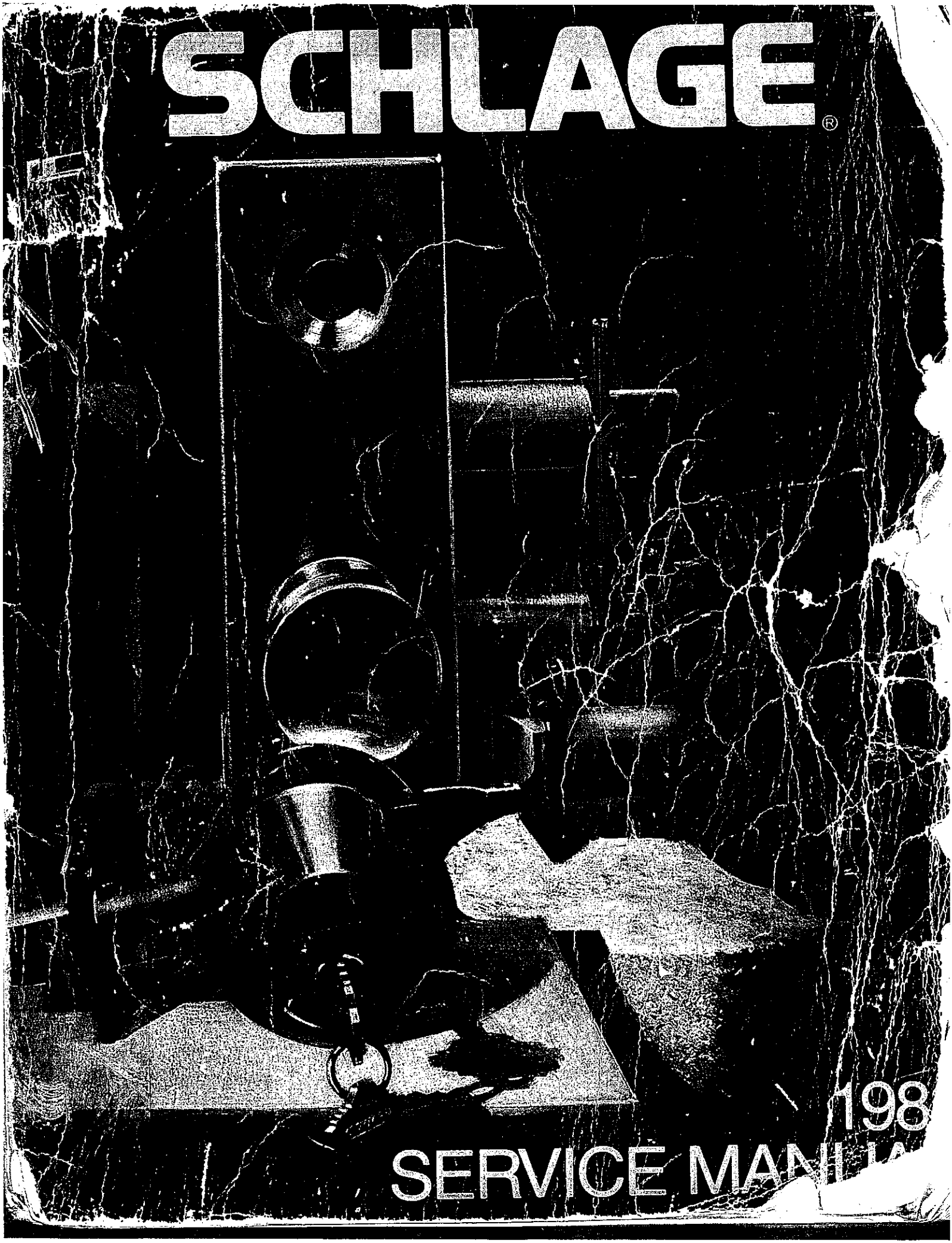
SCHLAGE®



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SERVICE MANUAL

NOTES for Service Manual 1981

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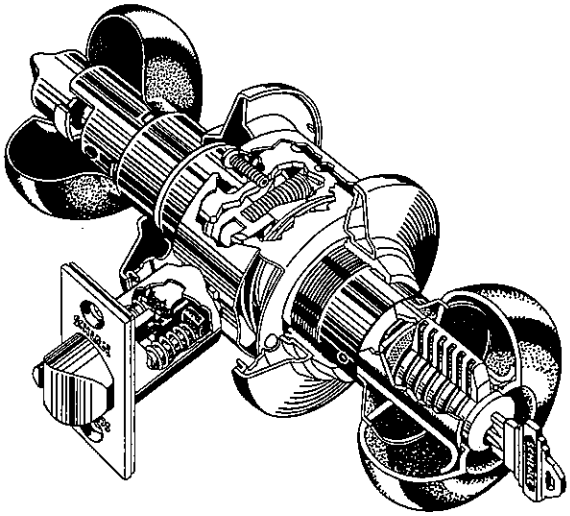
SCHLAGE®

SERVICE MANUAL

1981



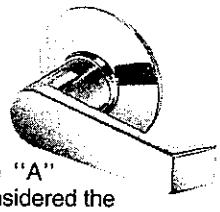
SCHLAGE

Part of worldwide Ingersoll-Rand

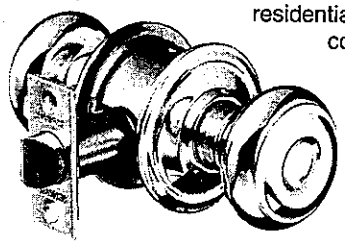
SCHLAGE®

The World's Most Respected Name in Locks!

A SERIES

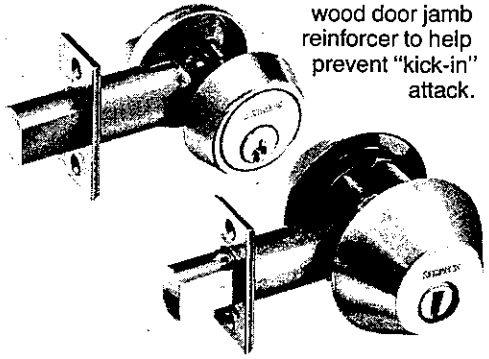


Since Schlage invented cylindrical locks in 1925, the "A" Series has been considered the "standard of excellence" in the industry. A wide variety of functions and finishes are offered in many different knob and lever designs. This series is ideal for quality residential and light commercial buildings.



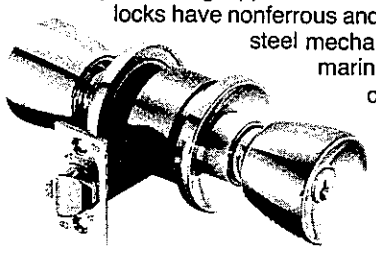
B SERIES

"B" Series deadbolt locks provide primary or auxiliary security locking. Schlage offers the standard duty B100, heavy duty B400 and our most secure deadbolt ever, the B500 Superbolt. All deadbolts feature 1" throw bolts with Schlage's exclusive wood door jamb reinforcer to help prevent "kick-in" attack.

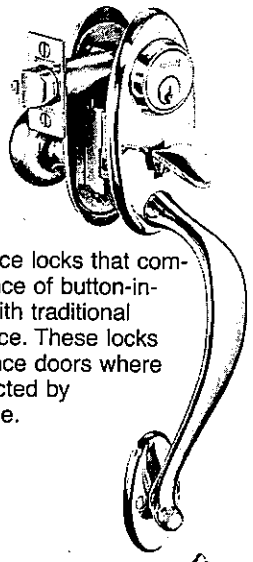


D SERIES

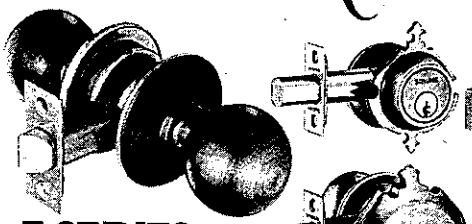
Schlage commercial quality "D" Series locks are specified when the highest quality mechanism obtainable is required. The "D" Lock is ideally suited for commercial, institutional and industrial use. There are many specialized functions to satisfy most unique locking applications. "C" Series locks have nonferrous and stainless steel mechanisms for marine climate conditions.



E SERIES

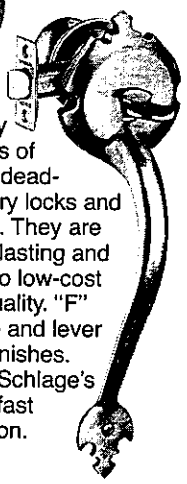


Grip handle entrance locks that combine the convenience of button-in-the-knob locking with traditional grip handle elegance. These locks are ideal for entrance doors where placement is restricted by the width of the stile.



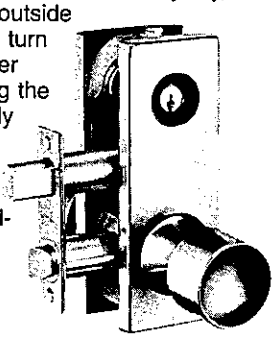
F SERIES

The Schlage standard duty residential "F" line consists of grip handles with 1" throw deadbolts, cylindrical keyed entry locks and matching interior latchsets. They are mechanically simple, long lasting and fill the need for moderate to low-cost locks without sacrificing quality. "F" locks are available in knob and lever designs in many popular finishes. They can be ordered with Schlage's unique "drive-in bolts" for fast economical door preparation.

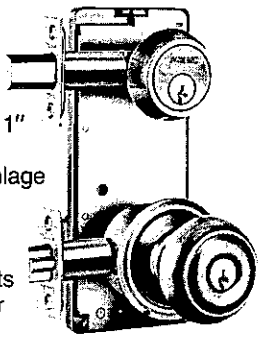


G SERIES

The Schlage "G" Series lock combines security and safety features specifically developed to help defeat the most common forms of forceable entry. They have a 1" deadbolt and ½" deadlatch, a drill resistant outside plate, recessed keyway, and free spinning outside knob. For safety, a turn of the knob in either direction or rotating the turn, simultaneously retracts both bolt and latch for immediate exit. This lock is recommended for use on any entrance where extra security and safety is desired.

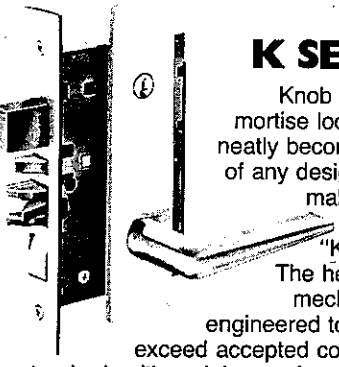


H SERIES



The interconnected "H" lock provides the security of a Schlage 1" throw deadbolt and convenience of a Schlage cylindrical lock. This lock was engineered so a turn of the knob simultaneously retracts both bolt and latch for emergency exit.
It is an ideal residential security entrance lock that can also be used in light commercial applications.

K SERIES



Knob and lever mortise locks which neatly become a part of any design theme make up the Schlage "K" Series. The heavy duty mechanism is engineered to meet or exceed accepted commercial standards with a minimum of moving parts to provide economy, reliability, and long life. A wide variety of functions are available in many unique designs and elegant finishes.

HANDCRAFTED HARDWARE

This unique hardware is produced in the time honored tradition of master metal craftsmen. These contemporary and traditional designs are functional works of art, handmade to provide dramatic emphasis to any door.

FOR CATALOG INFORMATION

SCHLAGE LOCK CO.
Marketing Services
P.O. Box 3324
San Francisco, CA 94119

SCHLAGE

Part of worldwide Ingersoll-Rand

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A Series

B Series

B Series (continued)

D Series

E Series

Index

F Series

G Series

H Series

H Series (continued)

K Series

Keying

Padlocks

Care and Maintenance

Finish Descriptions

All finishes are obtained by the careful processing of solid brass, bronze, or stainless steel. When required, a clear protective coating is applied and cured in a high temperature infrared oven.

As lock finishes in certain geographical areas are subjected to deteriorating climatic and other conditions, the rate and degree of change in some original finishes will vary widely.

***401 (SSB)** Iron Smooth, Blackened (Simulated Bower Barff) Surface of cast iron is polished and specially treated to provide rust and abrasion resistance. For interior use only. Not recommended for use on exterior doors or where humid conditions exist.

***402 (RRB)** Iron as Cast, Blackened (Simulated Bower Barff) Surface is "as cast" iron—not finished or sanded in any way. Cast iron is specially treated to provide rust and abrasion resistance. For interior use only. Not recommended for use on exterior doors or where humid conditions exist.

403 (ORB) Oil Rubbed as Cast Bronze
Surface is "as cast"—not sanded or finished in any way. Surface is oxidized and oil rubbed.

415 OIL RUBBED BRONZE DARK Oxidized Satin Bronze Oil Rubbed Dark

416 OIL RUBBED AS CAST BRONZE DARK Unfinished Oxidized Oil Rubbed Dark

423 AS CAST BRASS OR BRONZE Flat Black Coated

605 (3) BRIGHT BRASS, Clear Coated

606 (4) SATIN BRASS, Clear Coated

609 (5) ANTIQUE BRASS Satin Brass, Blackened, Satin Relieved, Clear Coated

610 (7) BRIGHT BRASS, BLACKENED Bright Relieved, Clear Coated

***611 (9)** BRIGHT BRONZE, Clear Coated

612 (10) SATIN BRONZE, Clear Coated

613 (10B) OIL RUBBED BRONZE
Oxidized Satin Bronze, Oil Rubbed, No Coating
Finish will highlight and also darken in use—has pleasing patina which constantly changes.

616 (11) ANTIQUE BRONZE Satin Bronze, Blackened, Satin Relieved, Clear Coated

620 (15A) OLD IRON BRUSHED Satin Nickel Plated, Blackened, Oxidized, Satin Relieved, Clear Coated

621 (17A) SIMULATED OLD IRON Nickel Plated, Blackened, Matte Relieved, Clear Coated

622 (19) SATIN BLACK Flat Black Coated

625 (26) BRIGHT CHROMIUM PLATED, No Coating

626 (26D) SATIN CHROMIUM PLATED, No Coating

***628 (28)** SATIN ALUMINUM, Clear Anodized, No Coating

629 (32) BRIGHT STAINLESS STEEL, No Coating
Mirror finished cast or wrought stainless steel non-magnetic 300 series.

630 (32D) SATIN STAINLESS STEEL, No Coating
Satin finished cast or wrought stainless steel non-magnetic 300 series.

***These finishes are discontinued and no longer available.**

Care and Cleaning of External Trim

Regular care and cleaning of knobs and levers, roses and escutcheons will help to maintain and extend the duration of the original appearance. Contact the factory for reconditioning or refinishing recommendations.

Finishes	Care
605, 606, 609, 610, 611, 612, 616, 620, 621	Lacquered or clear coated finishes should be wiped with a soft, damp cloth. A mild soap may be lightly used if very dirty. Particular care should be taken to avoid paint smears, thinners and strong cleaning agents as they will quickly destroy the protective coatings and subject the finishes to rapid oxidation and discoloration. Contact the factory for refinishing and recoating recommendations.
403, 415, 416, 613	Wipe with a little vegetable oil on a soft cloth. Too much oil may leave a residue to come off on the hands. Household detergents and mild abrasive powder may be used to restore the high metal color without seriously affecting the original compound of the metal. Then rub with a paste wax.
628	Wipe with a soft damp cloth only. Caustic and strong soaps should not be used as they will attack the anodized surface.
625, 626, 629, 630	Wipe with a soft damp cloth. A high grade chrome polish may be used according to directions to clean and restore the original shine or satin finish.
401, 402, 423, 622	Wipe with a soft, damp cloth only.

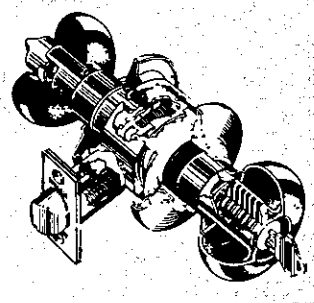
Lubrication

The rugged design and durability of the lock mechanisms seldom need servicing. During assembly, those points of contact which require lubrication for ease of operation are given an application of high quality petroleum base grease. A touch of graphite is applied to the pin tumbler plug during assembly of the cylinder unit. No further servicing should be required for an extended period except where the locks are subjected to extremely heavy traffic. Also, if located in particularly dusty or dirty areas, the original grease may become contaminated resulting in a slow or otherwise unsatisfactory operation. The case mechanism should then be cleaned in a noncorrosive petroleum solvent and relubricated. Graphite only should be applied to the cylinder unit by blowing a small quantity into the keyway.

Note: Precautionary measures according to solvent manufacturers instructions should always be followed.

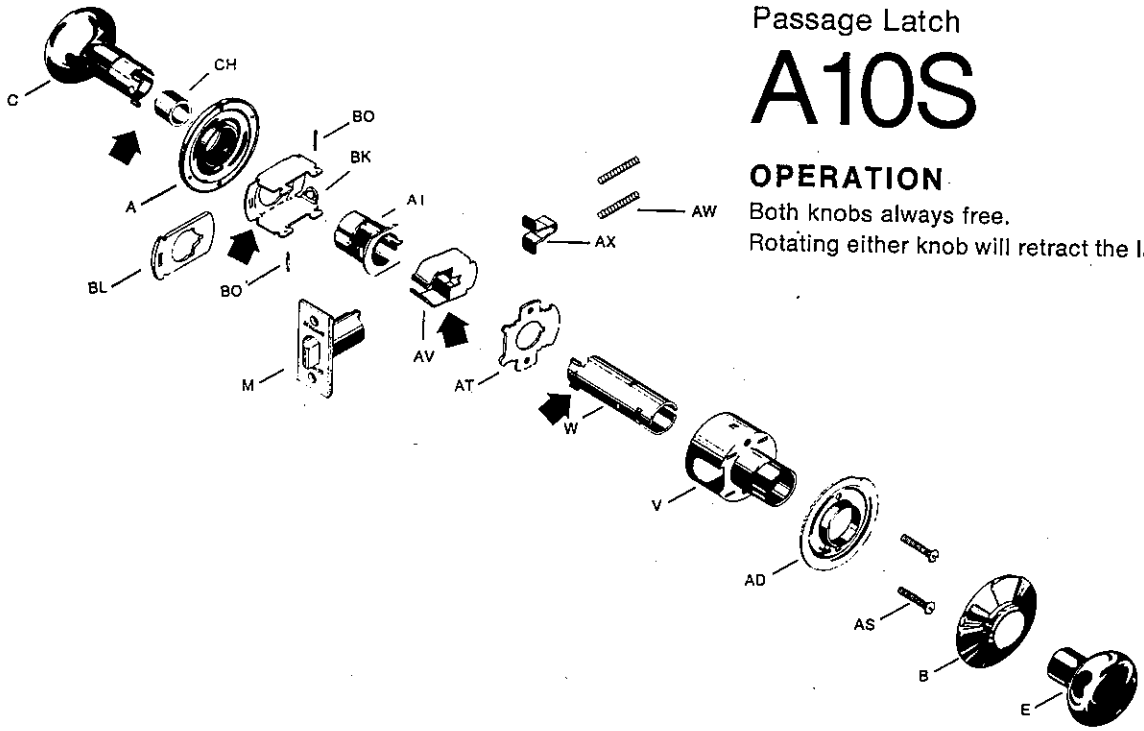
Index

Series Locks **A**



SCHLAGE General Information

- This manual will aid in identification and ordering of parts for the SCHLAGE "A" SERIES LOCK MODEL M45.
- SCHLAGE parts are manufactured to close tolerances and are interchangeable between functions using the same parts. This allows for on the spot function conversion in an emergency.
- Some "A" series locks have threaded inside housings to accommodate those designs which are furnished with a threaded inside rose (Crown, Hanover, Magnolia, Meteor, and all cast Handcrafted roses). When ordering a threaded housing only specify A201-680. When ordering a lock the design name determines the type of rose.
- For items not listed, or listed as discontinued in this technical manual, contact the factory for availability or allowable substitution.



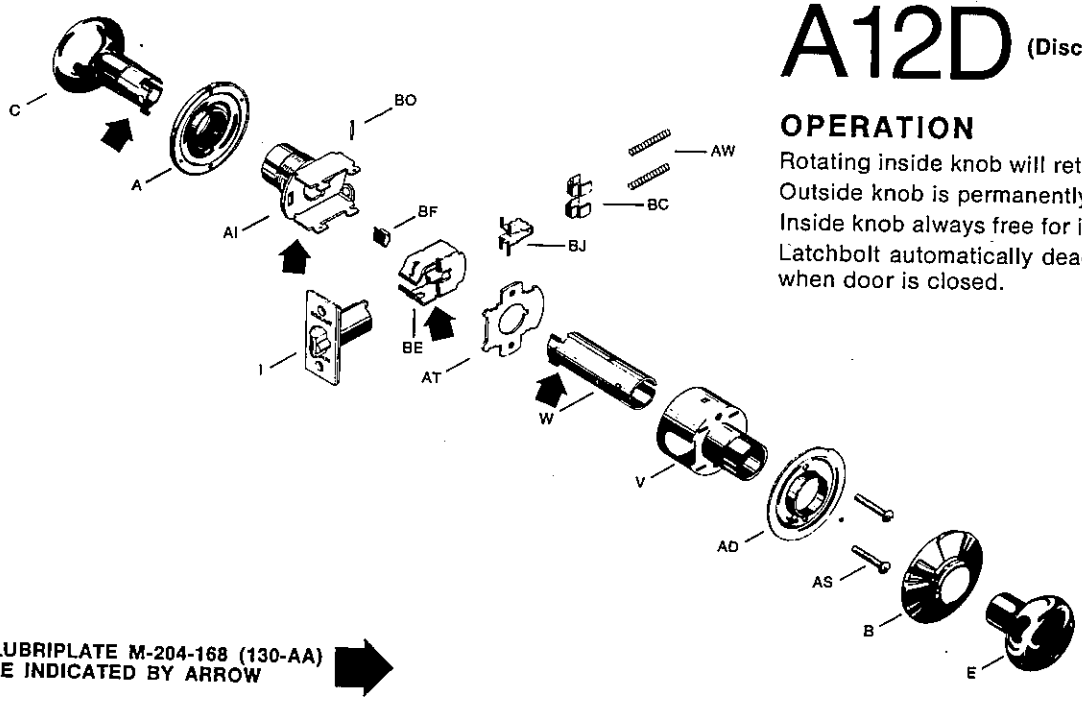
Passage Latch

A10S

OPERATION

Both knobs always free.
Rotating either knob will retract the latchbolt.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



Exit Lock

A12D (Discontinued)

OPERATION

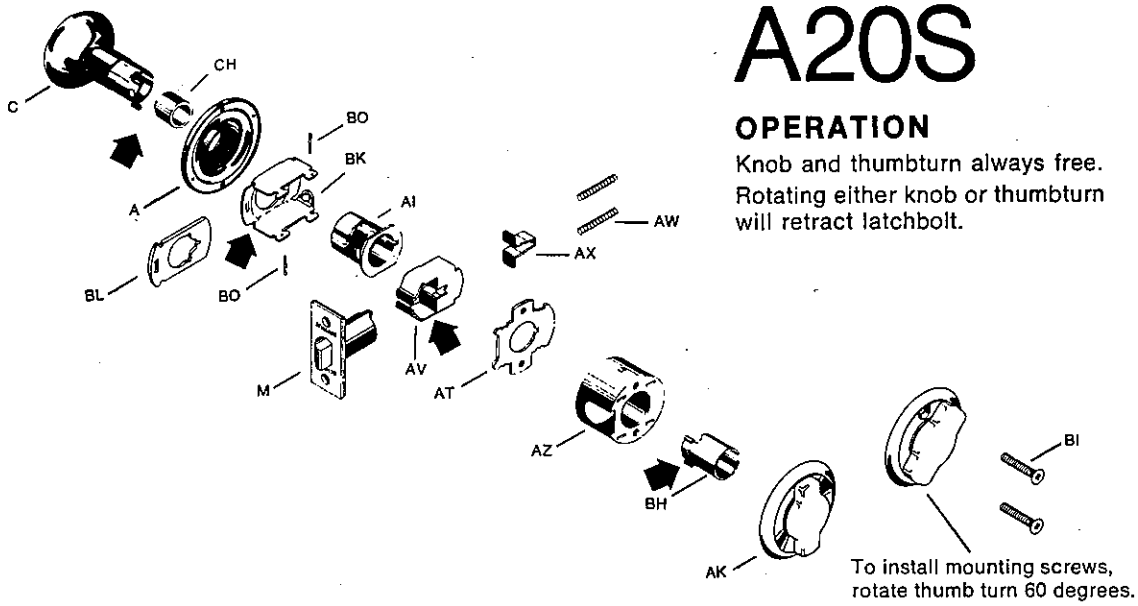
Rotating inside knob will retract latchbolt.
Outside knob is permanently fixed.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart

Closet Latch

A20S



OPERATION

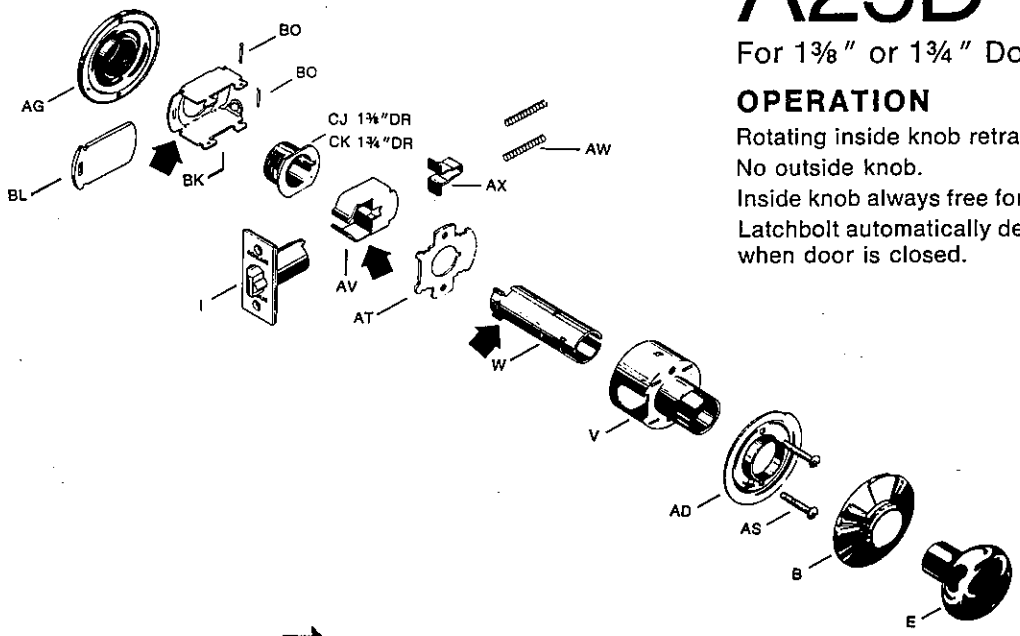
Knob and thumbturn always free.
Rotating either knob or thumbturn will retract latchbolt.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Exit Lock

A25D

For 1⅜" or 1¾" Door (Specify)



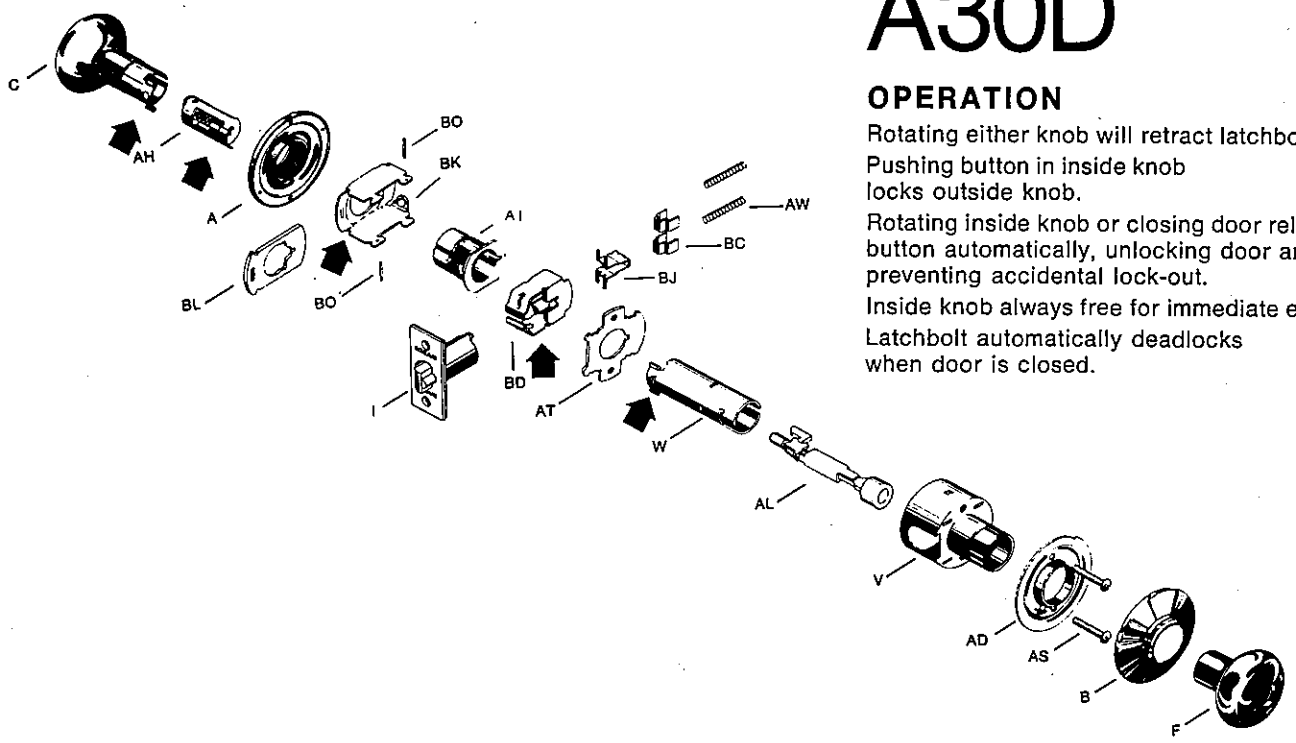
OPERATION

Rotating inside knob retracts latchbolt.
No outside knob.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

Patio Lock

A30D



OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob or closing door releases button automatically, unlocking door and preventing accidental lock-out.

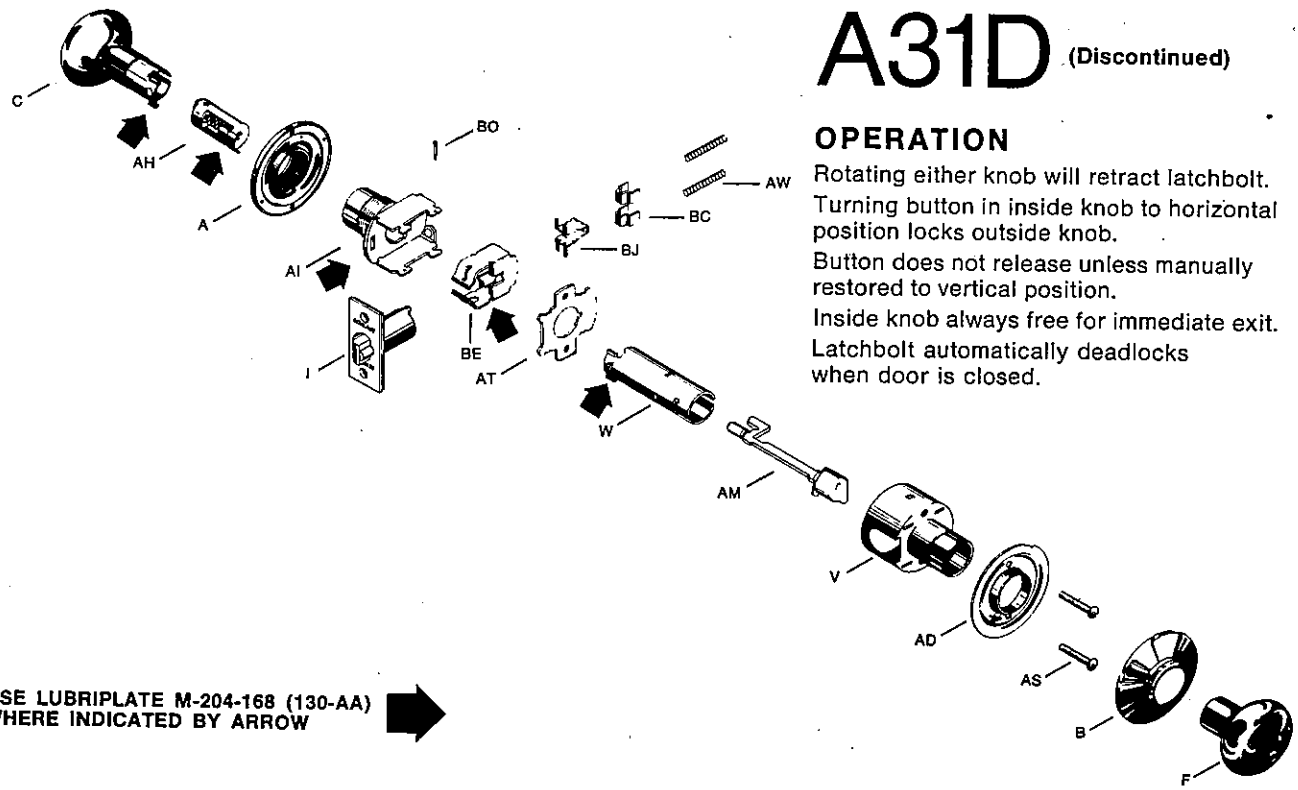
Inside knob always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Exit Lock

A31D (Discontinued)



OPERATION

Rotating either knob will retract latchbolt.

Turning button in inside knob to horizontal position locks outside knob.

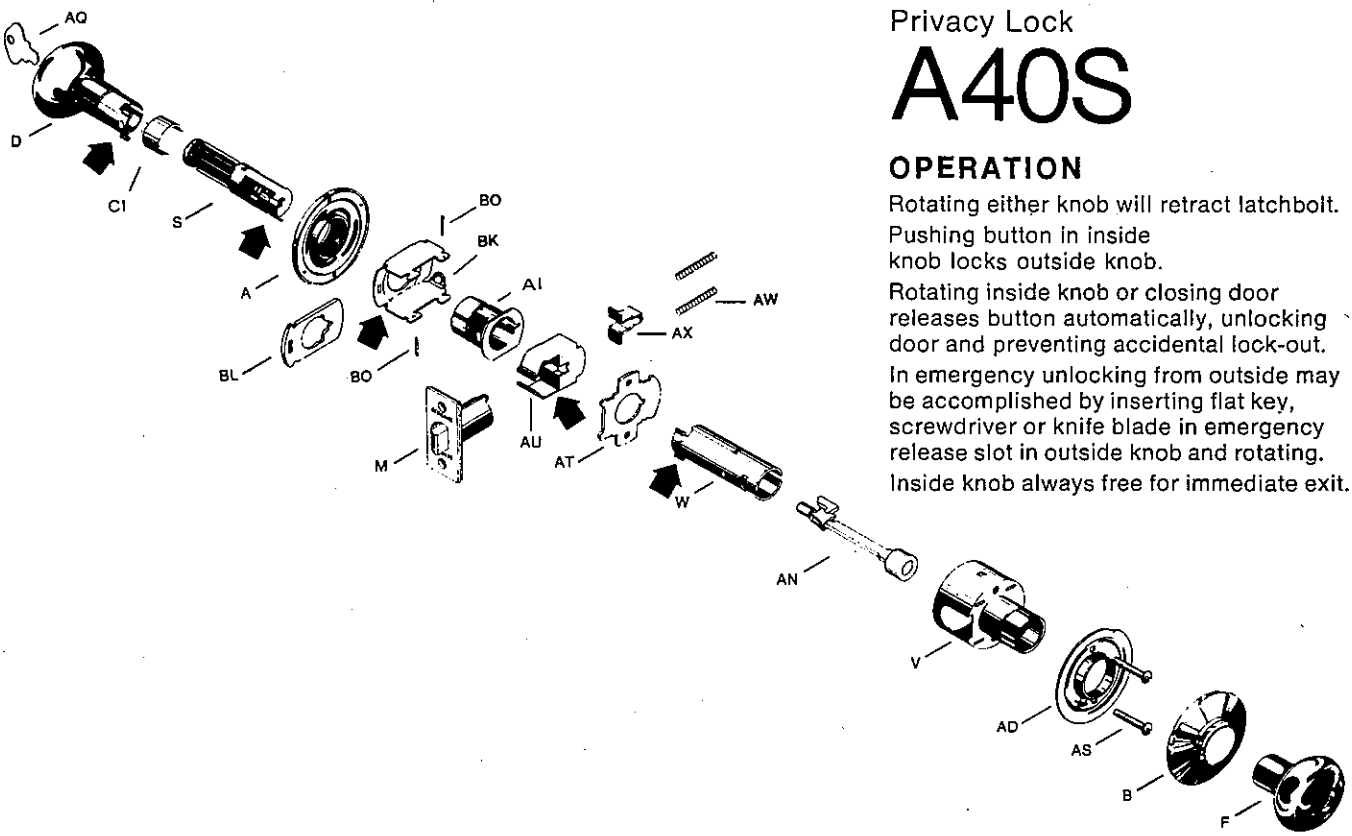
Button does not release unless manually restored to vertical position.

Inside knob always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Privacy Lock

A40S

OPERATION

Rotating either knob will retract latchbolt.

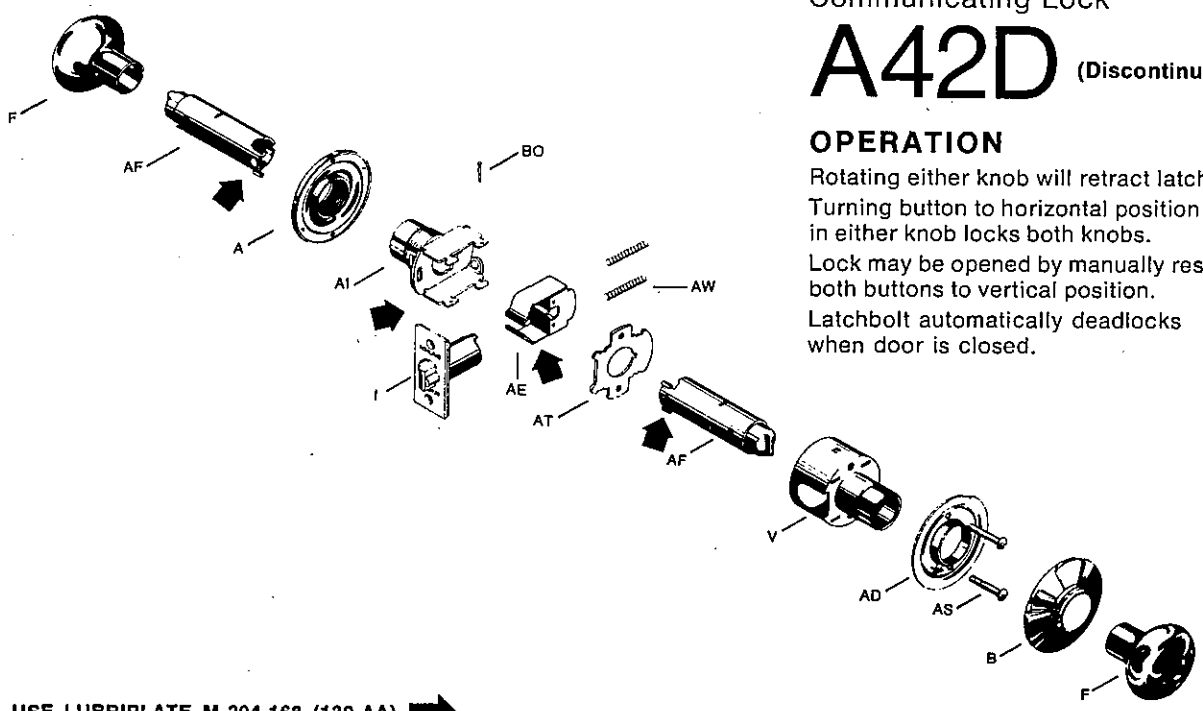
Pushing button in inside knob locks outside knob.

Rotating inside knob or closing door releases button automatically, unlocking door and preventing accidental lock-out.

In emergency unlocking from outside may be accomplished by inserting flat key, screwdriver or knife blade in emergency release slot in outside knob and rotating.

Inside knob always free for immediate exit.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



Communicating Lock

A42D (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.

Turning button to horizontal position in either knob locks both knobs.

Lock may be opened by manually restoring both buttons to vertical position.

Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

Communicating Lock

A43D

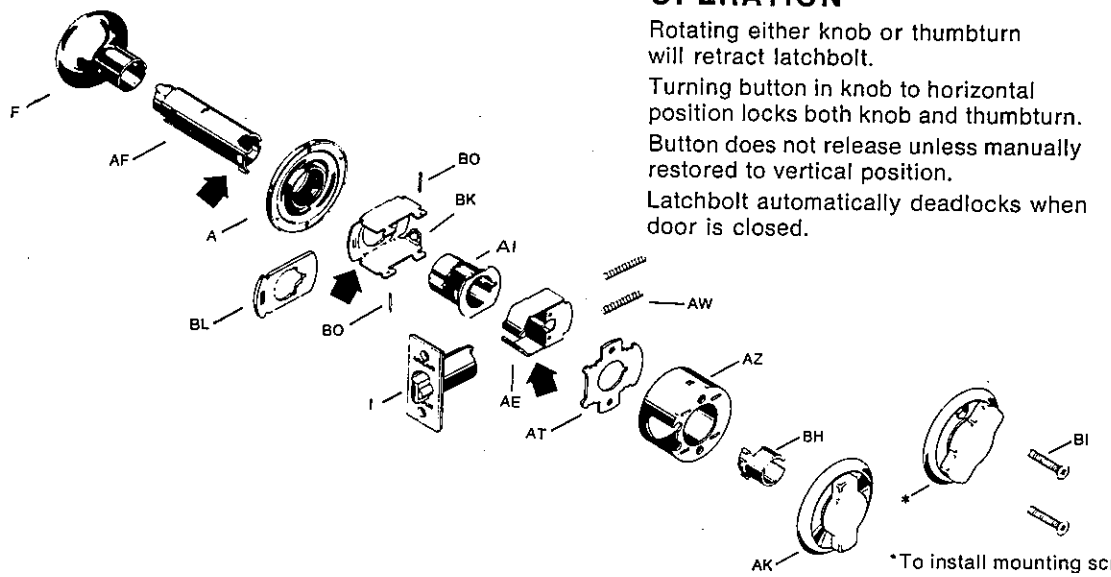
OPERATION

Rotating either knob or thumbturn will retract latchbolt.

Turning button in knob to horizontal position locks both knob and thumbturn.

Button does not release unless manually restored to vertical position.

Latchbolt automatically deadlocks when door is closed.



*To install mounting screws, rotate thumb turn 60 degrees.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Hospital Privacy Lock

A44S

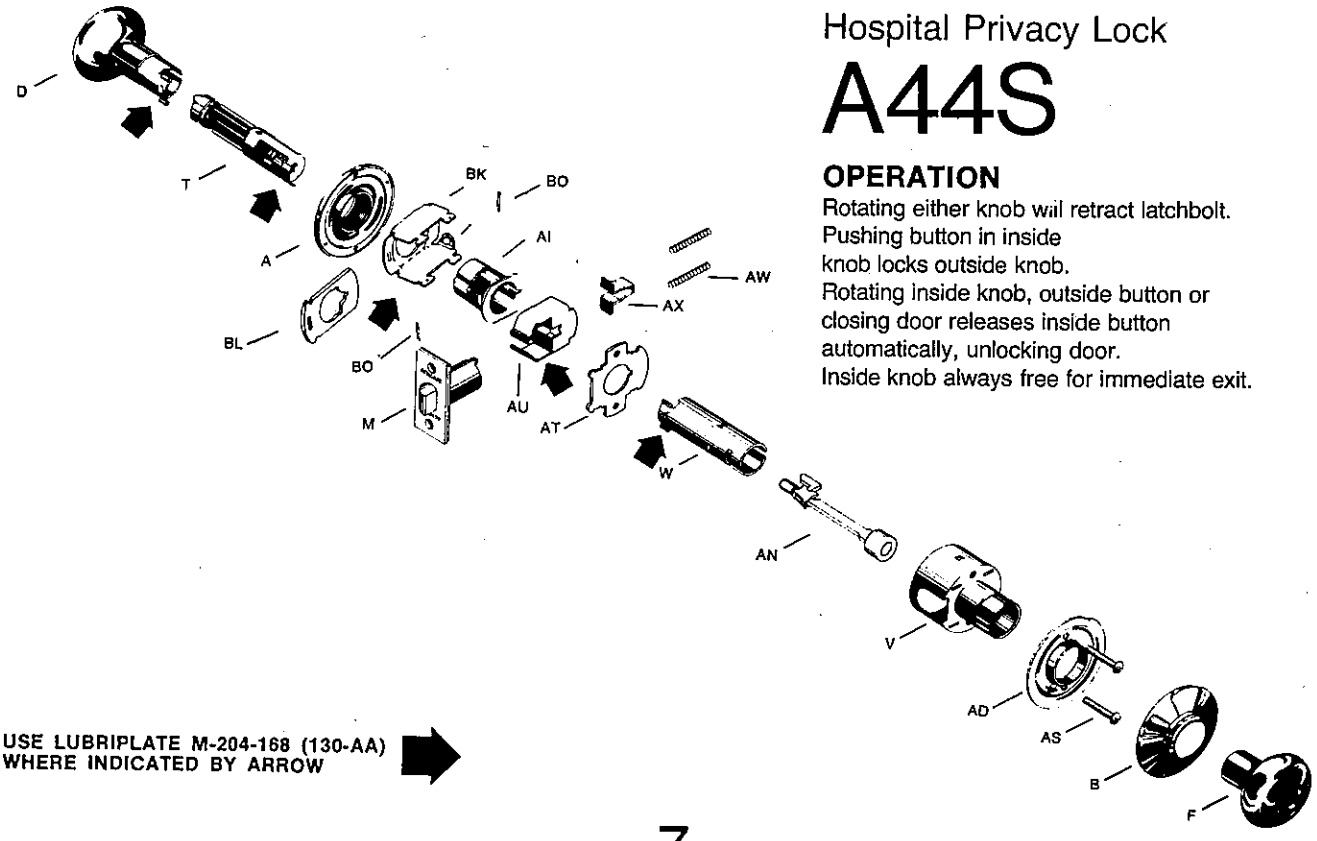
OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

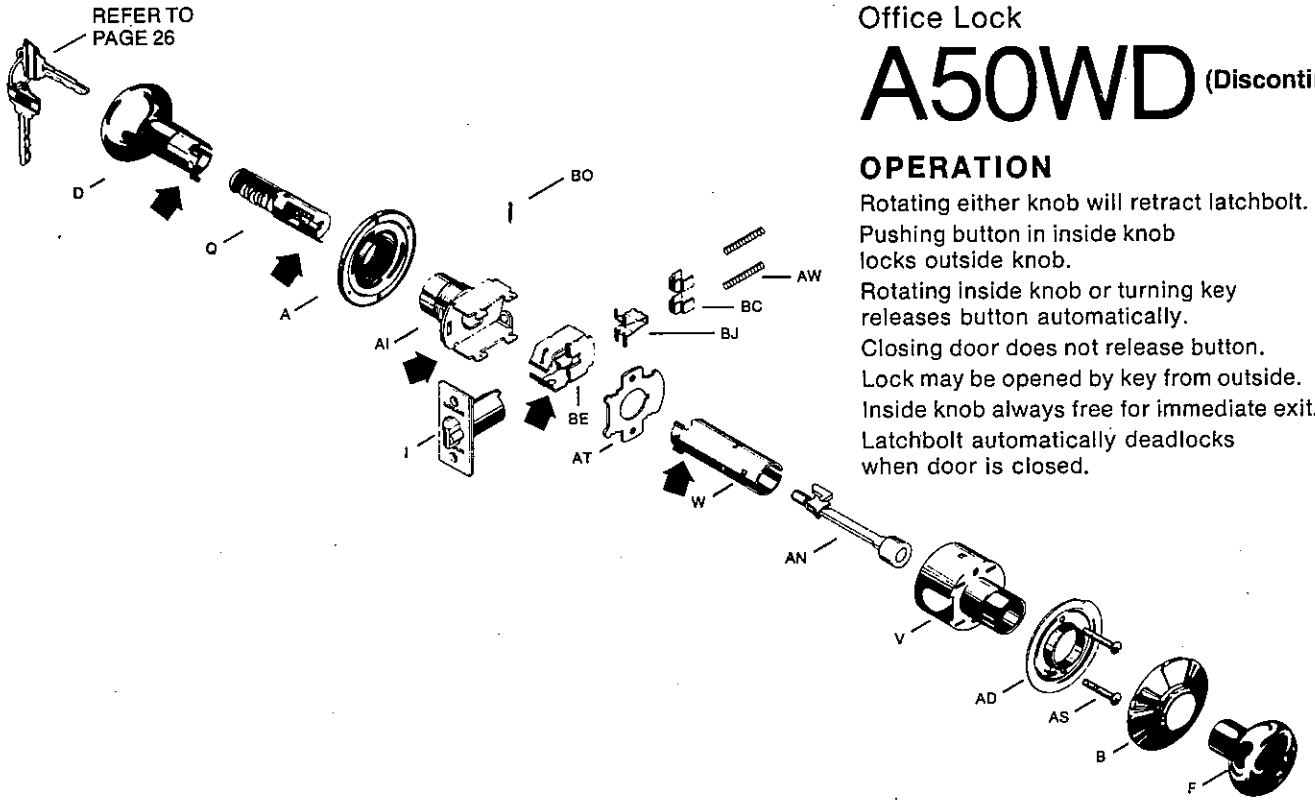
Rotating inside knob, outside button or closing door releases inside button automatically, unlocking door.

Inside knob always free for immediate exit.



USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



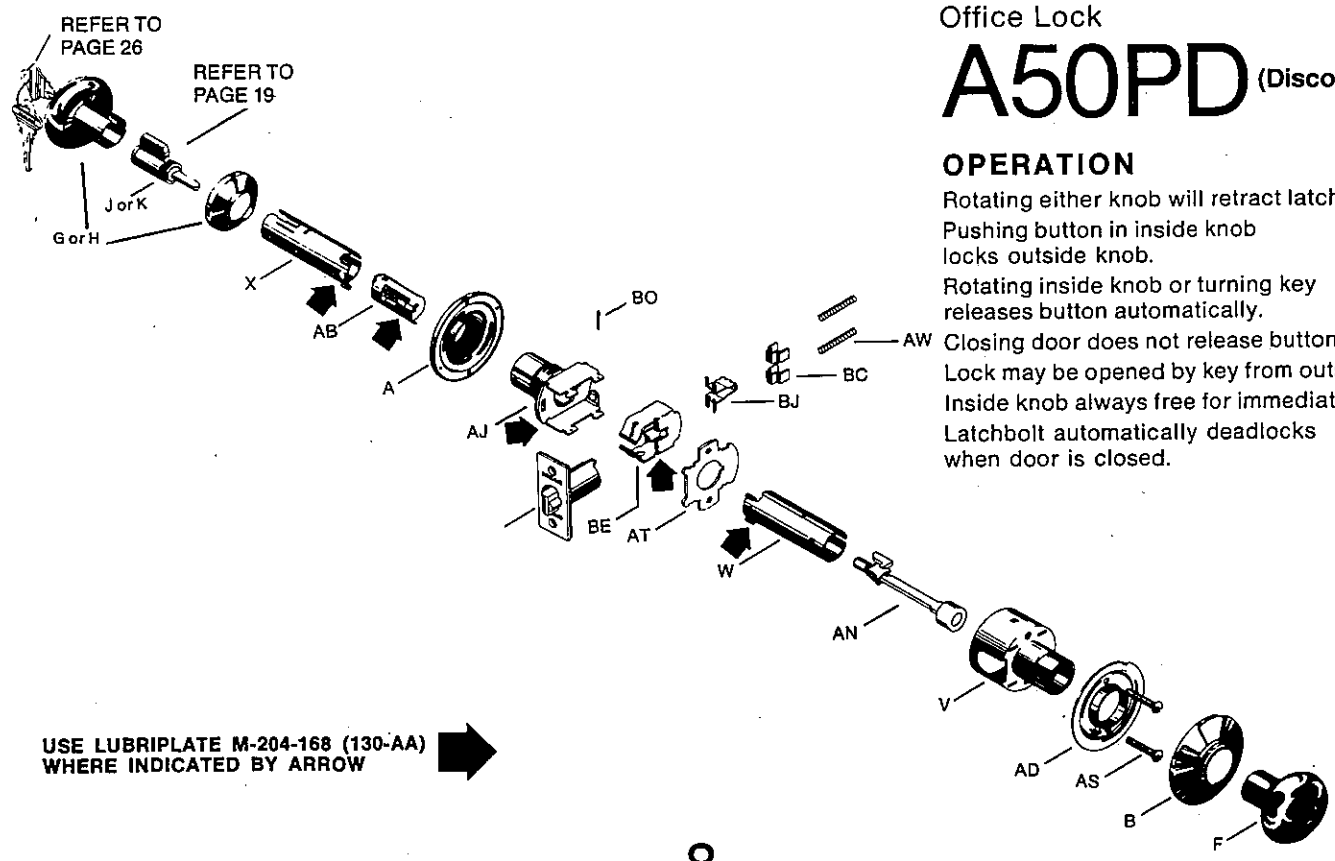
Office Lock

A50WD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



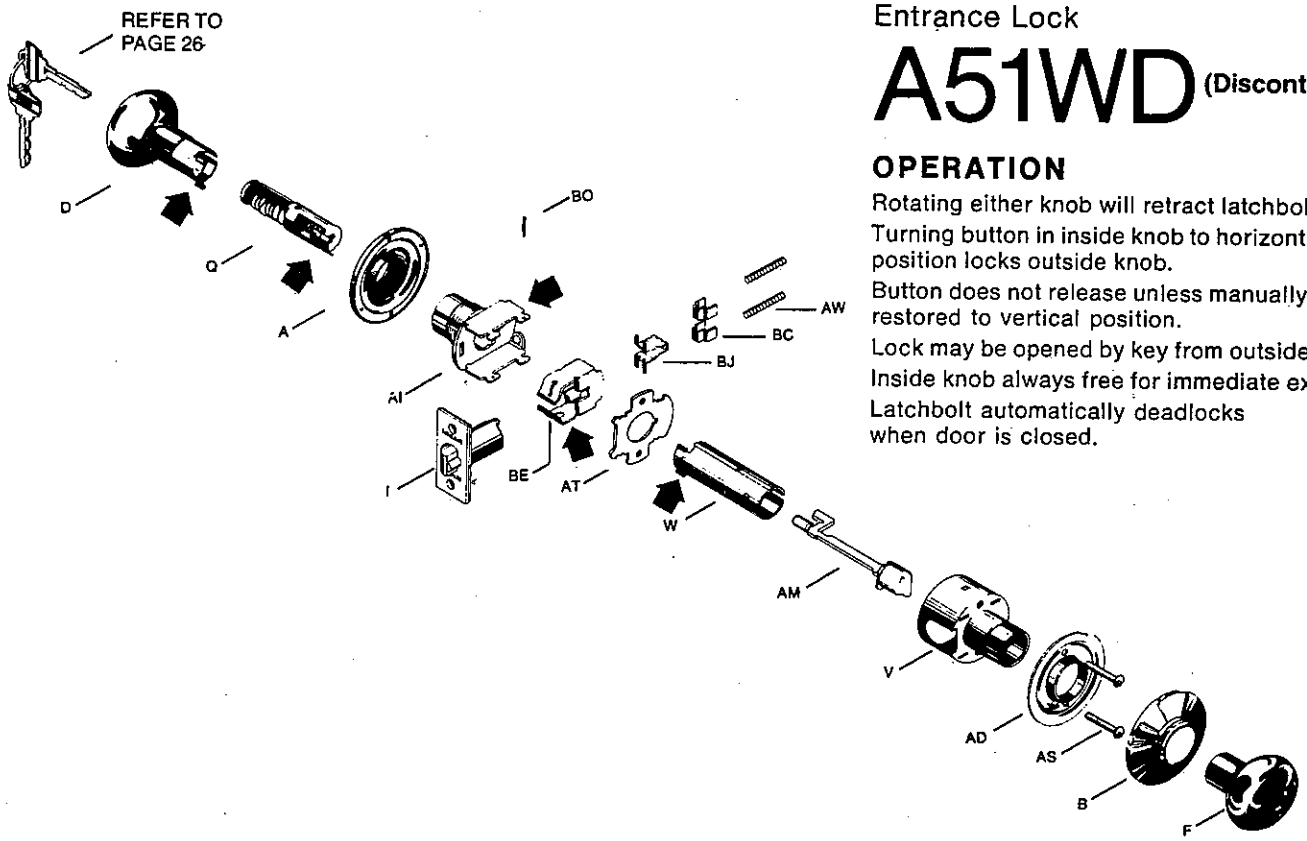
Office Lock

A50PD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW



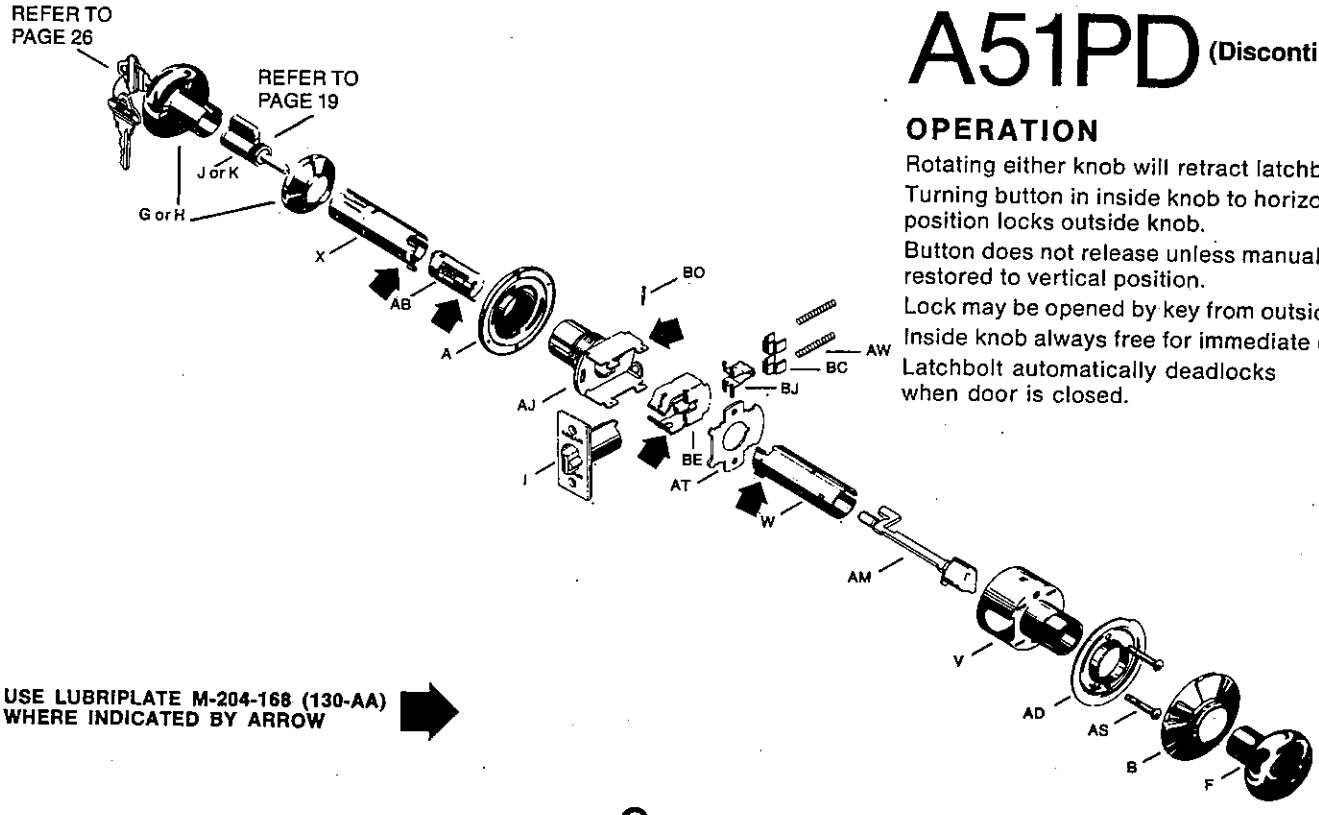
Entrance Lock

A51WD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.
Turning button in inside knob to horizontal position locks outside knob.
Button does not release unless manually restored to vertical position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



Entrance Lock

A51PD (Discontinued)

OPERATION

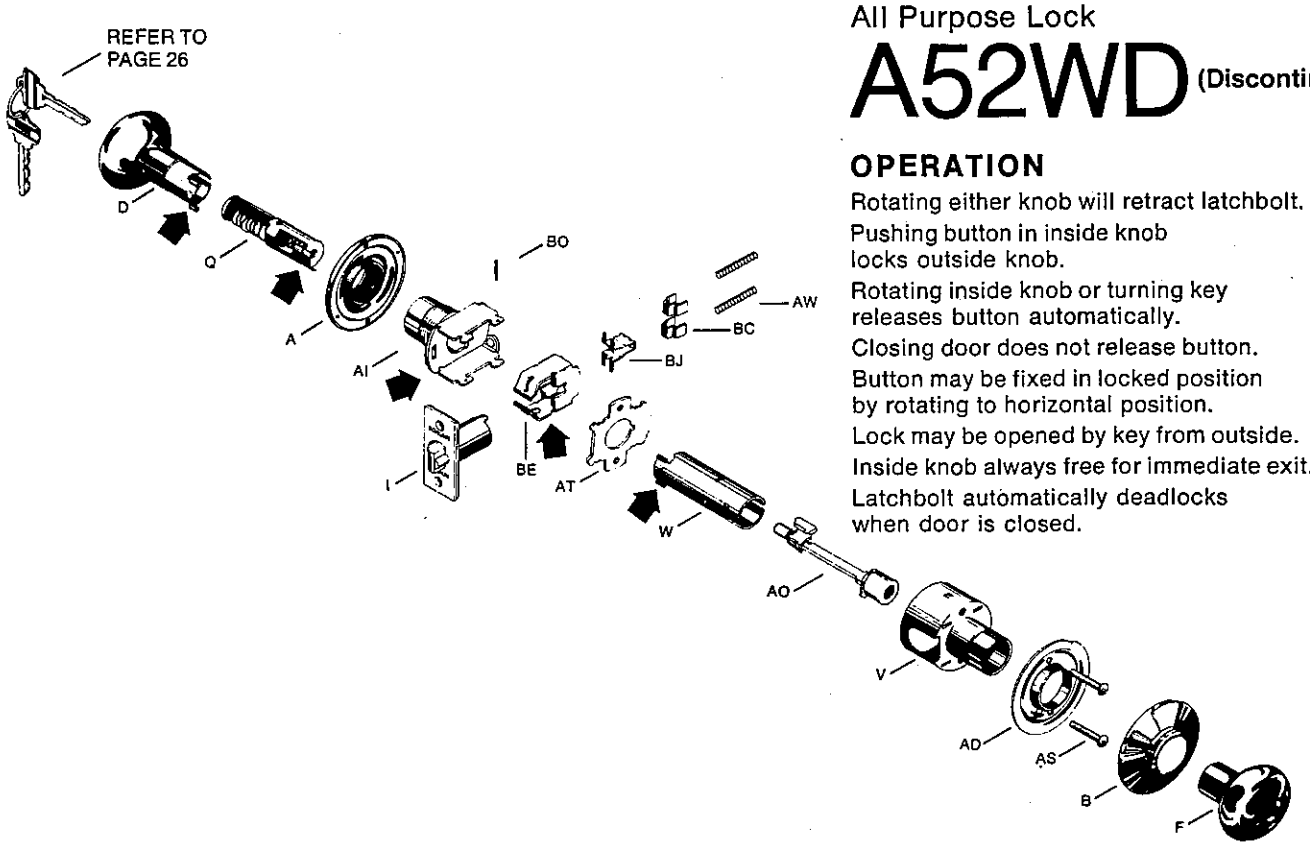
Rotating either knob will retract latchbolt.
Turning button in inside knob to horizontal position locks outside knob.
Button does not release unless manually restored to vertical position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart

All Purpose Lock

A52WD (Discontinued)



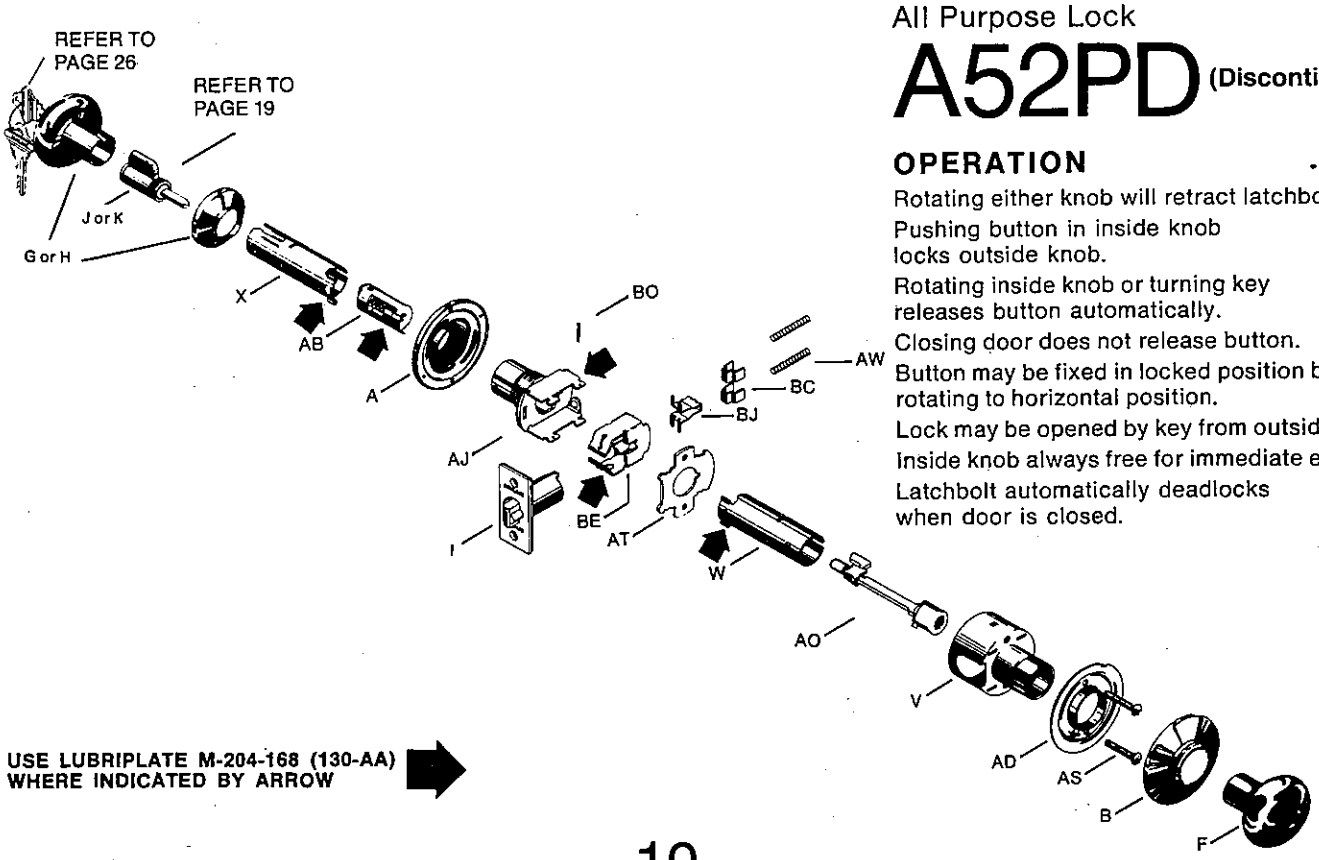
OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

All Purpose Lock

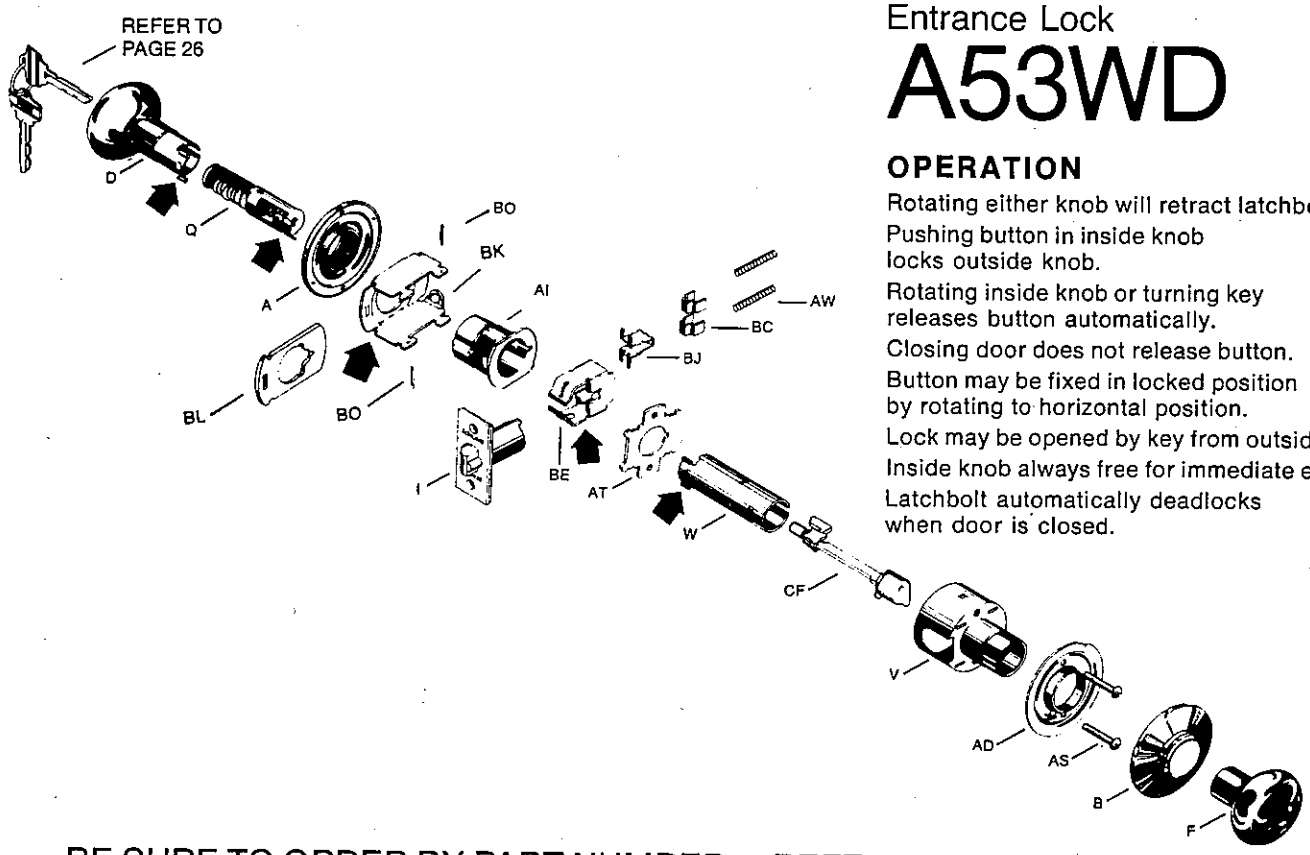
A52PD (Discontinued)



OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW



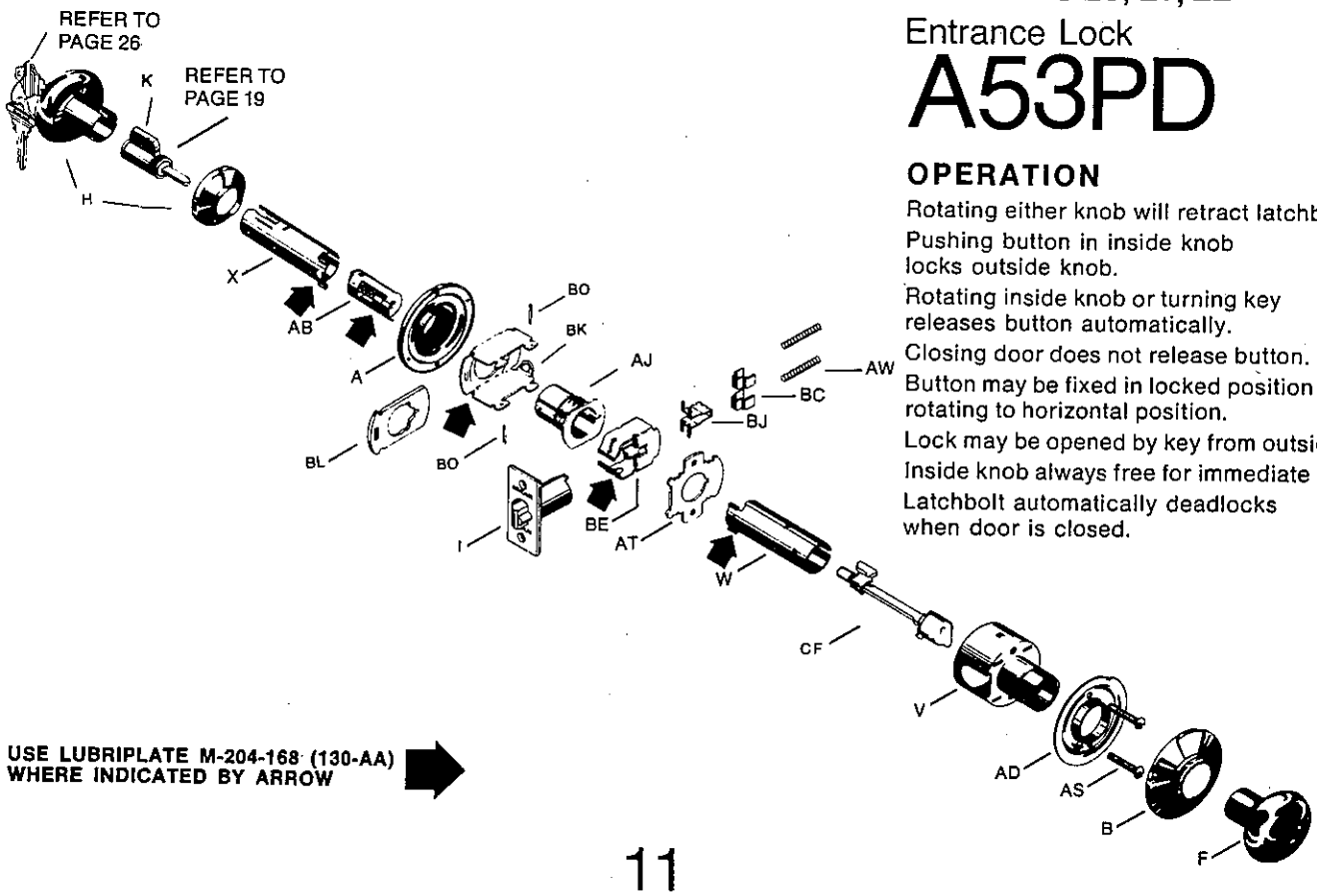
Entrance Lock

A53WD

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



Entrance Lock

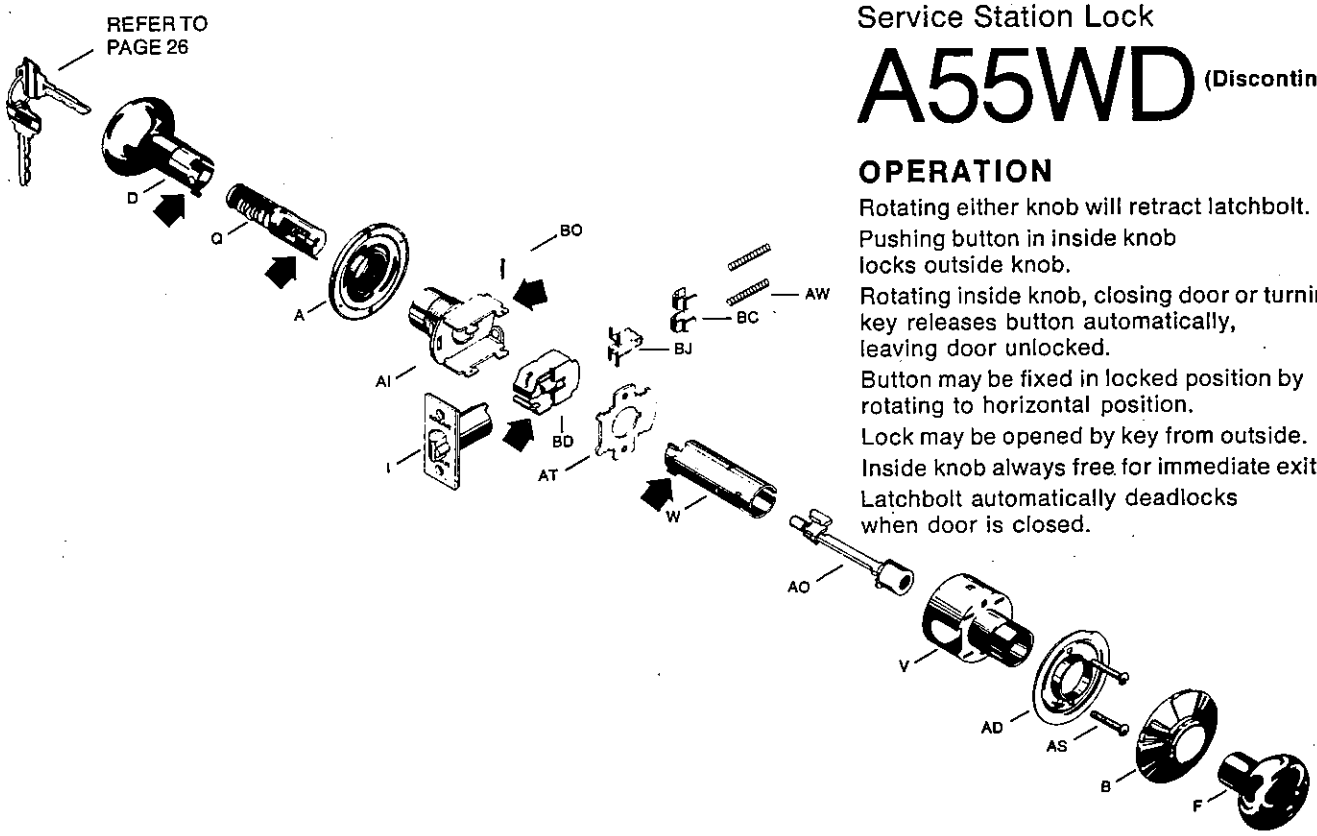
A53PD

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob or turning key releases button automatically.
Closing door does not release button.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



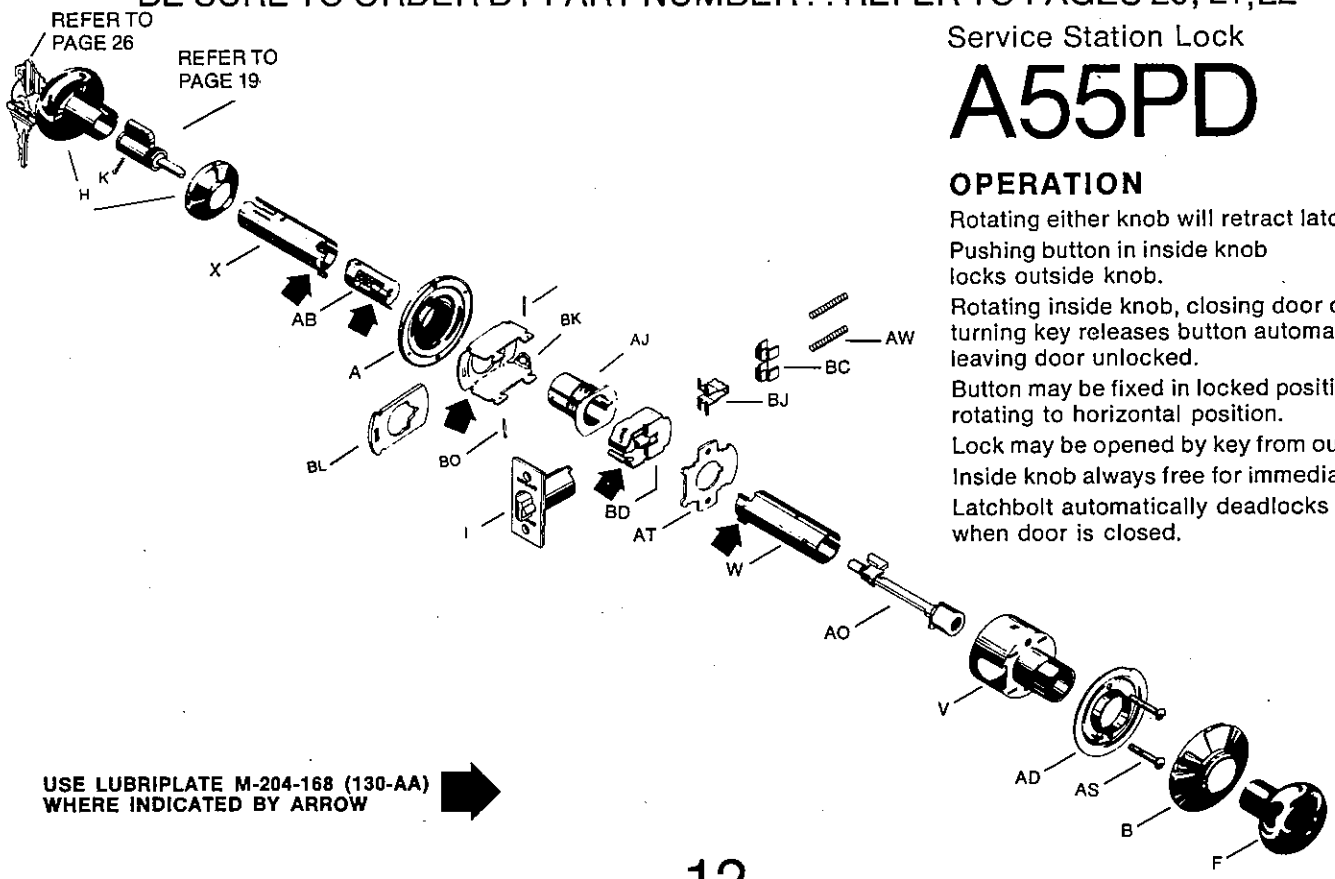
Service Station Lock

A55WD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob, closing door or turning key releases button automatically, leaving door unlocked.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



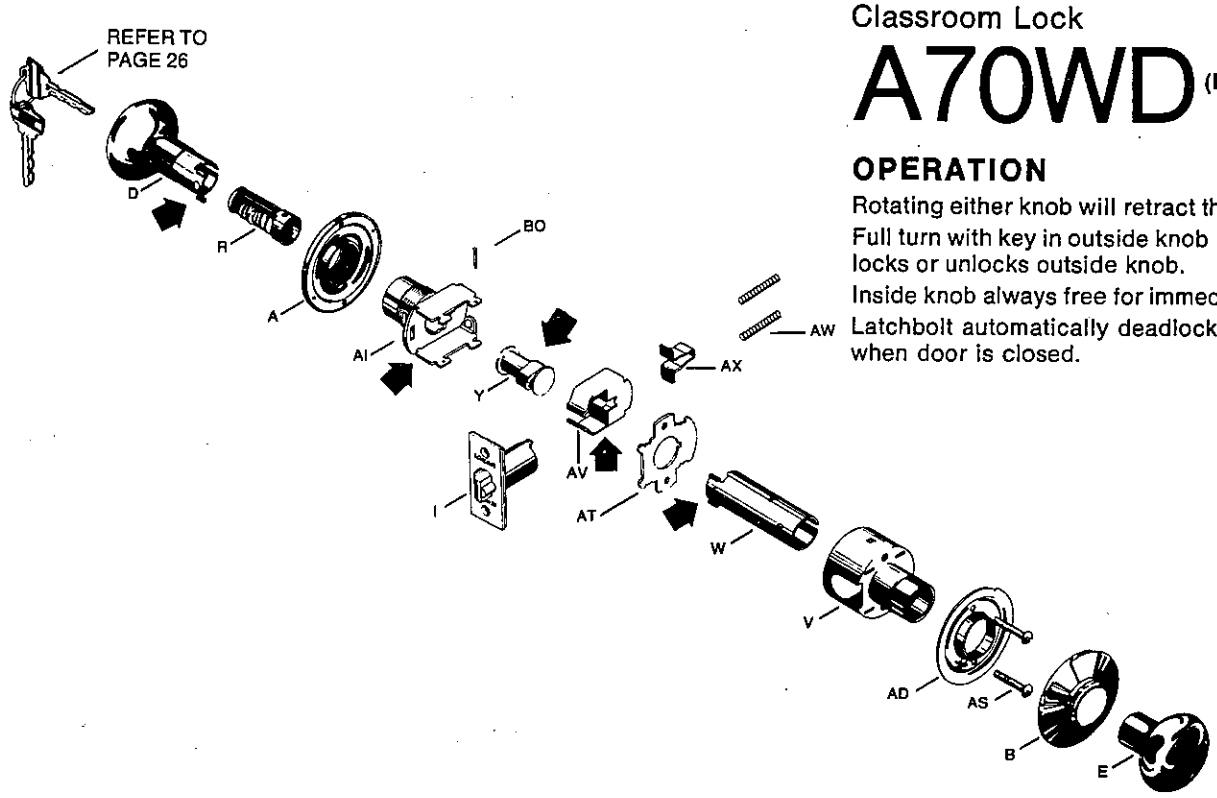
Service Station Lock

A55PD

OPERATION

Rotating either knob will retract latchbolt.
Pushing button in inside knob locks outside knob.
Rotating inside knob, closing door or turning key releases button automatically, leaving door unlocked.
Button may be fixed in locked position by rotating to horizontal position.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW



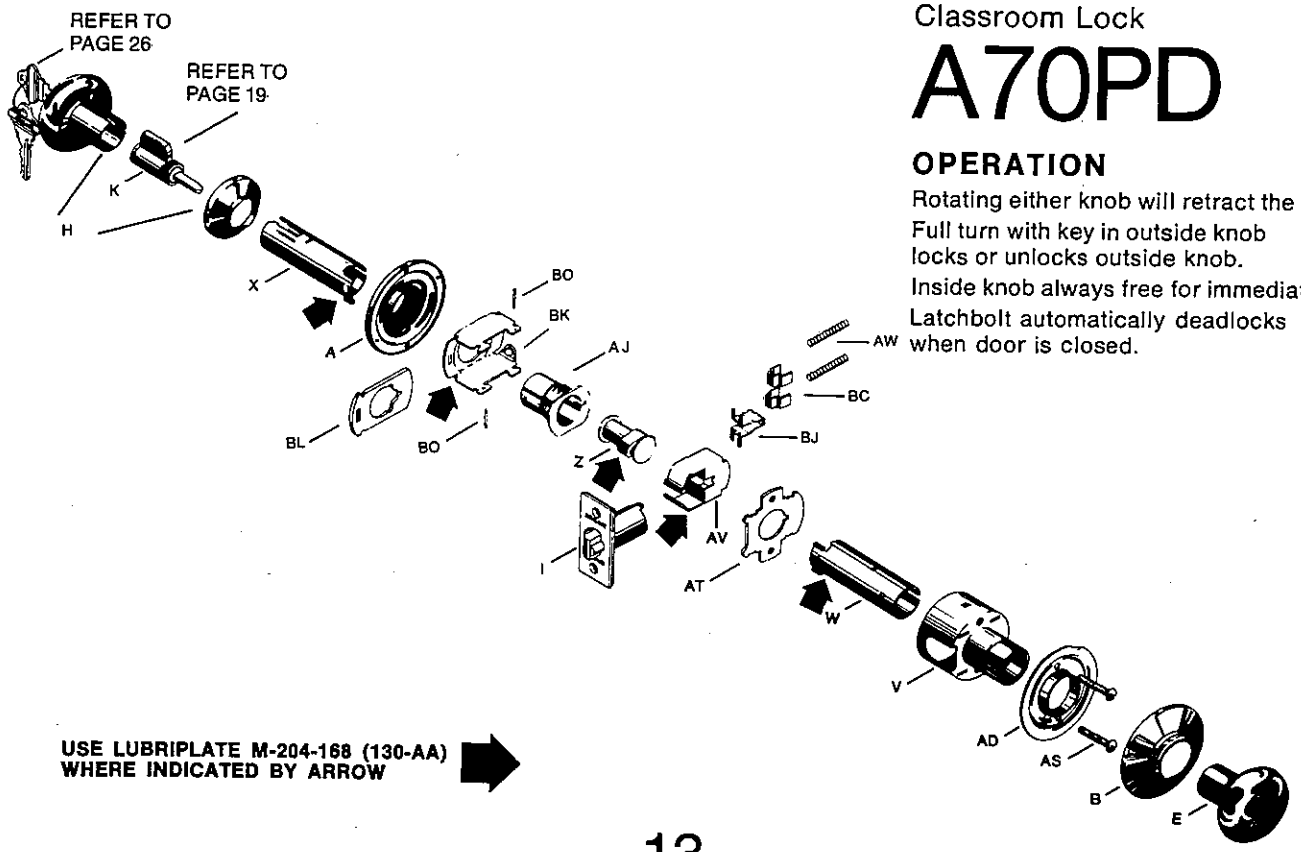
Classroom Lock

A70WD (Discontinued)

OPERATION

Rotating either knob will retract the latchbolt.
Full turn with key in outside knob locks or unlocks outside knob.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22



Classroom Lock

A70PD

OPERATION

Rotating either knob will retract the latchbolt.
Full turn with key in outside knob locks or unlocks outside knob.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart

Closet Lock—Thumbturn Inside

A71WD (Discontinued)

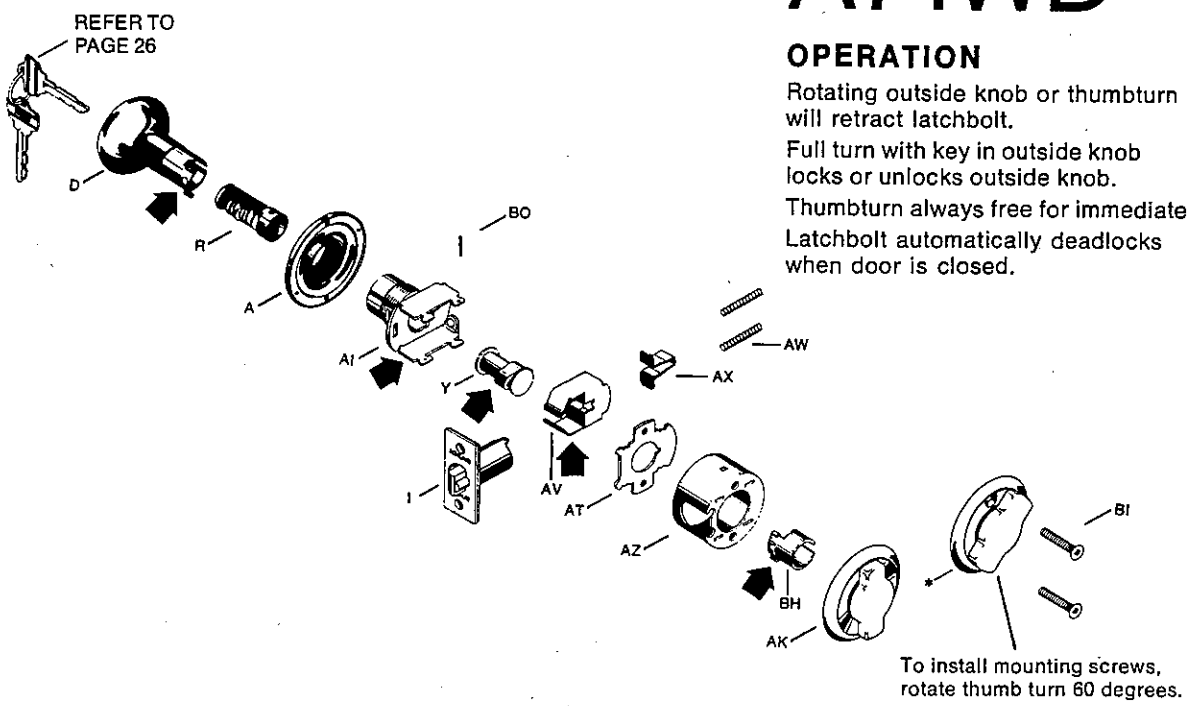
OPERATION

Rotating outside knob or thumbturn will retract latchbolt.

Full turn with key in outside knob locks or unlocks outside knob.

Thumbturn always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.



BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Closet Lock—Thumbturn Inside

A71PD (Discontinued)

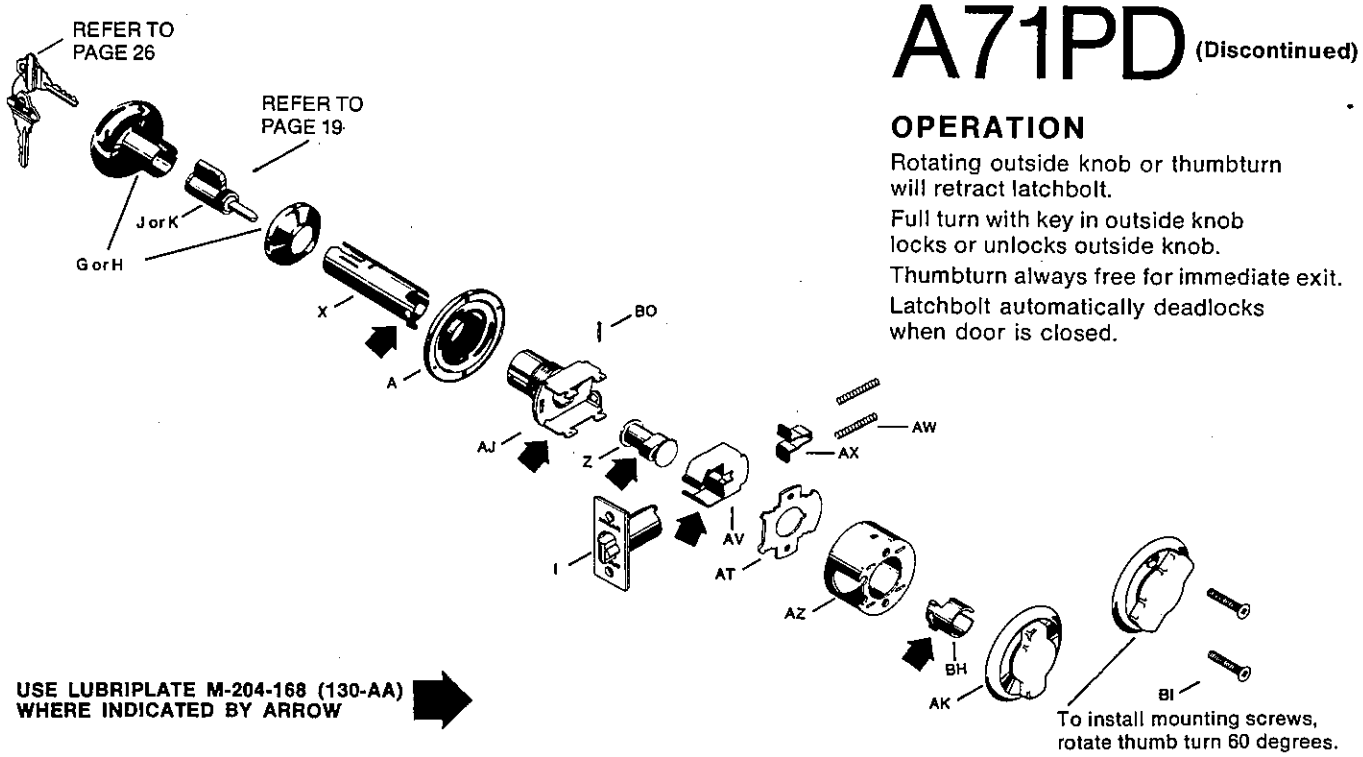
OPERATION

Rotating outside knob or thumbturn will retract latchbolt.

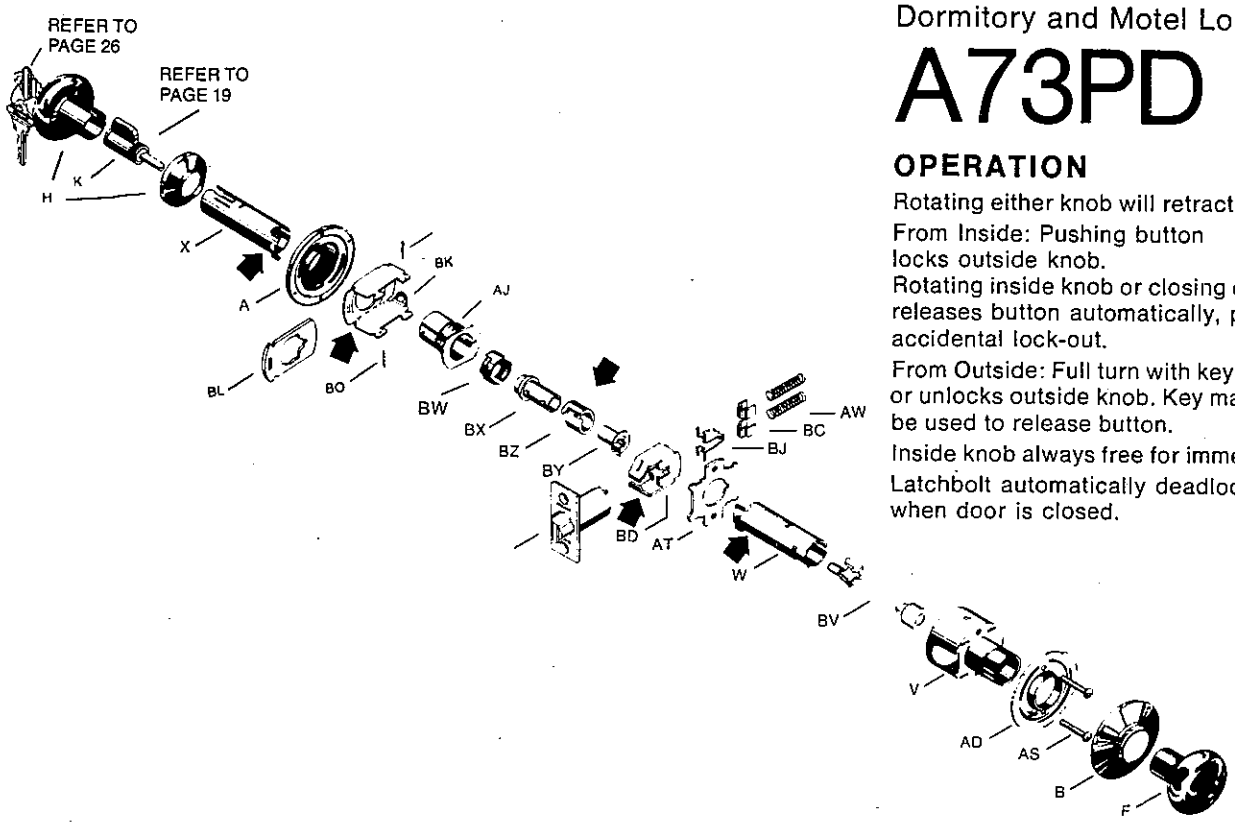
Full turn with key in outside knob locks or unlocks outside knob.

Thumbturn always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.



USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW



Dormitory and Motel Lock

A73PD

OPERATION

Rotating either knob will retract latchbolt.

From Inside: Pushing button locks outside knob.
Rotating inside knob or closing door releases button automatically, preventing accidental lock-out.

From Outside: Full turn with key locks or unlocks outside knob. Key may also be used to release button.

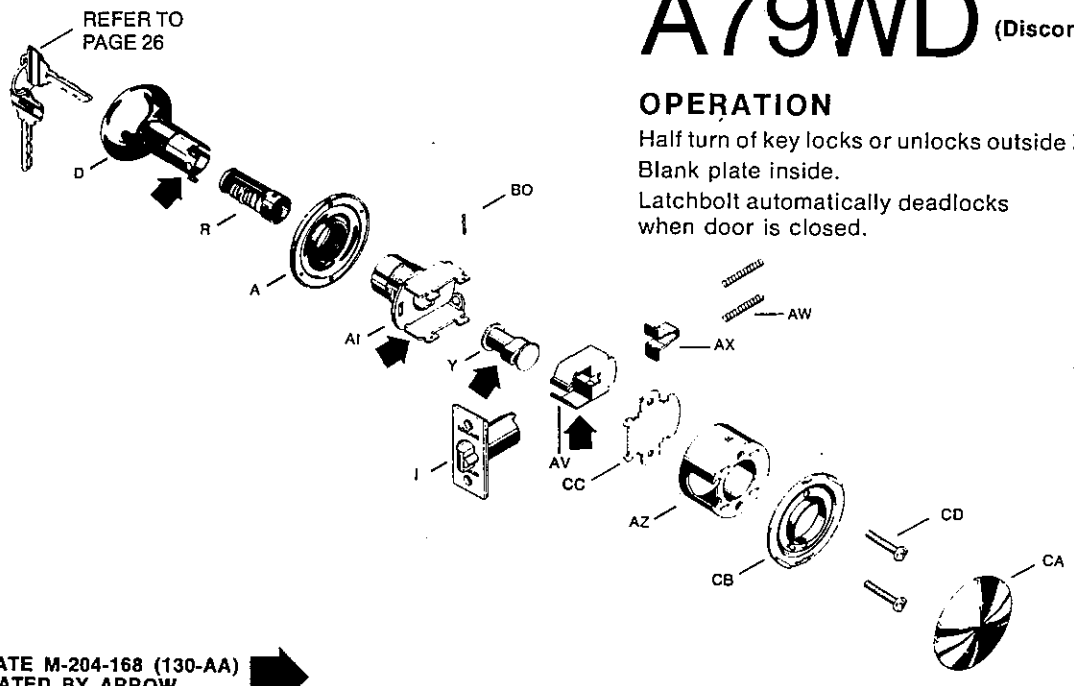
Inside knob always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Communicating Lock—Blank Plate Inside

A79WD **(Discontinued)**



OPERATION

Half turn of key locks or unlocks outside knob.

Blank plate inside.

Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

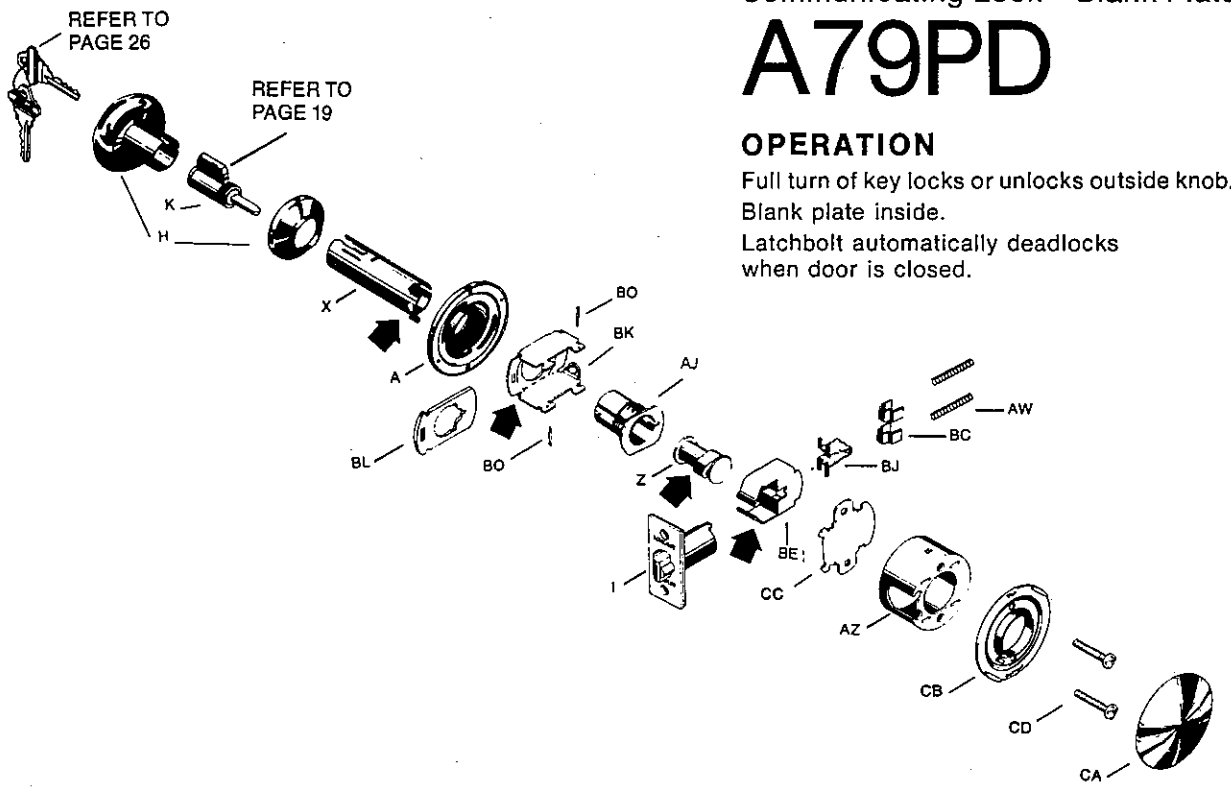
SCHLAGE Assembly Chart

Communicating Lock—Blank Plate Inside

A79PD

OPERATION

Full turn of key locks or unlocks outside knob.
Blank plate inside.
Latchbolt automatically deadlocks when door is closed.



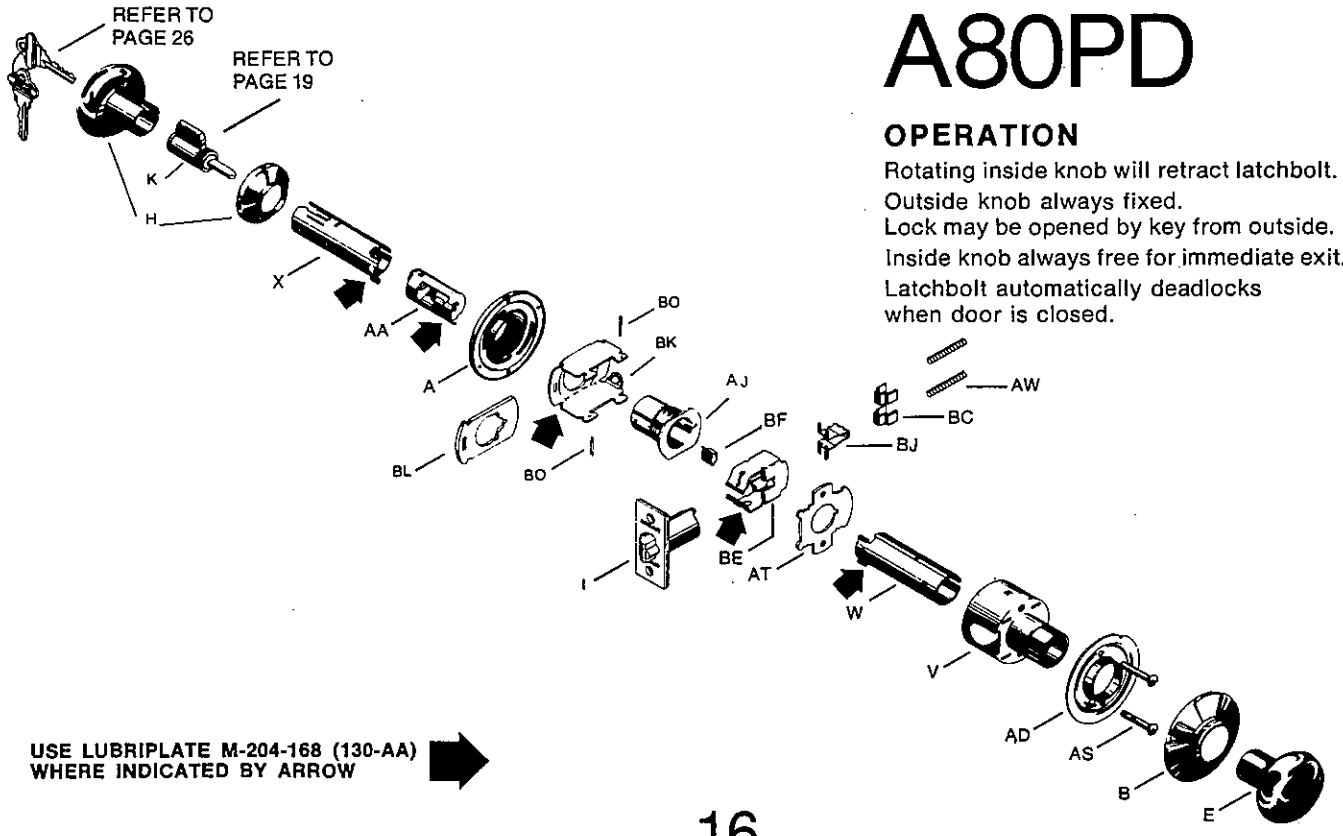
BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Storeroom Lock

A80PD

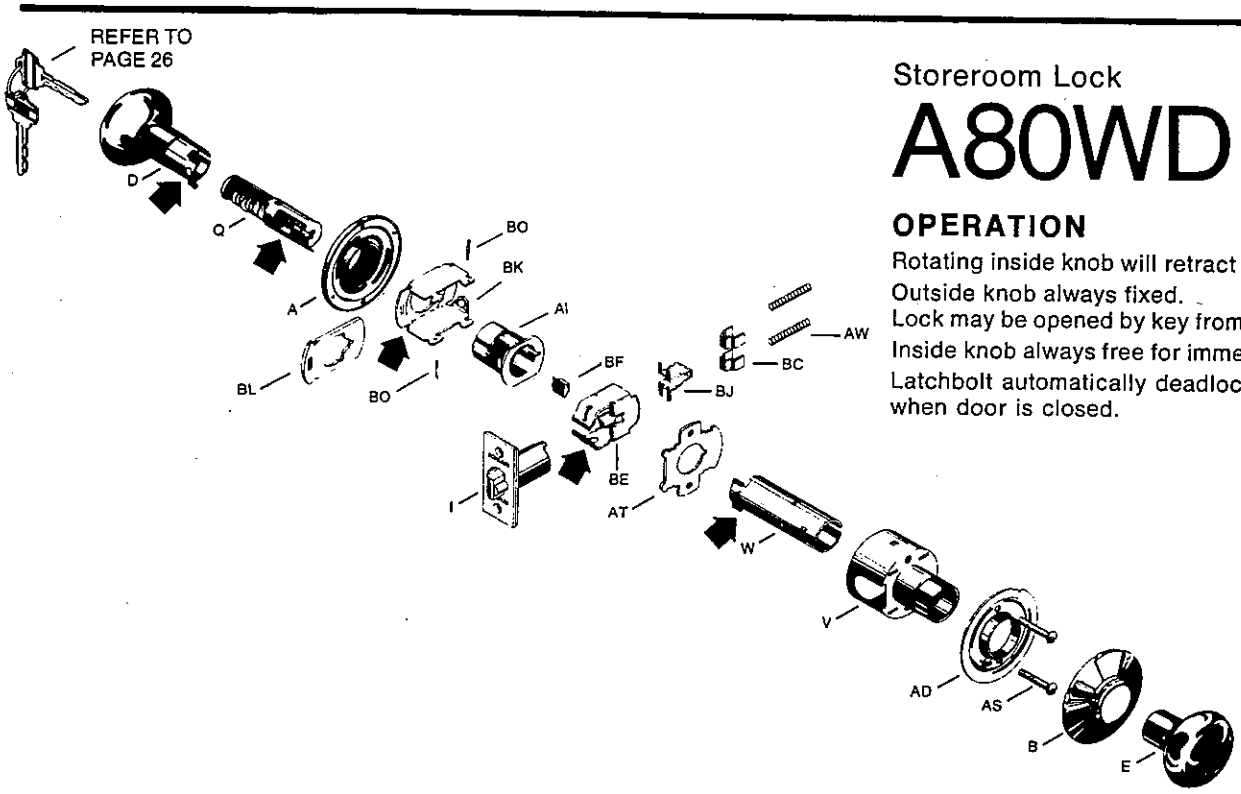
OPERATION

Rotating inside knob will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.



USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Storeroom Lock

A80WD

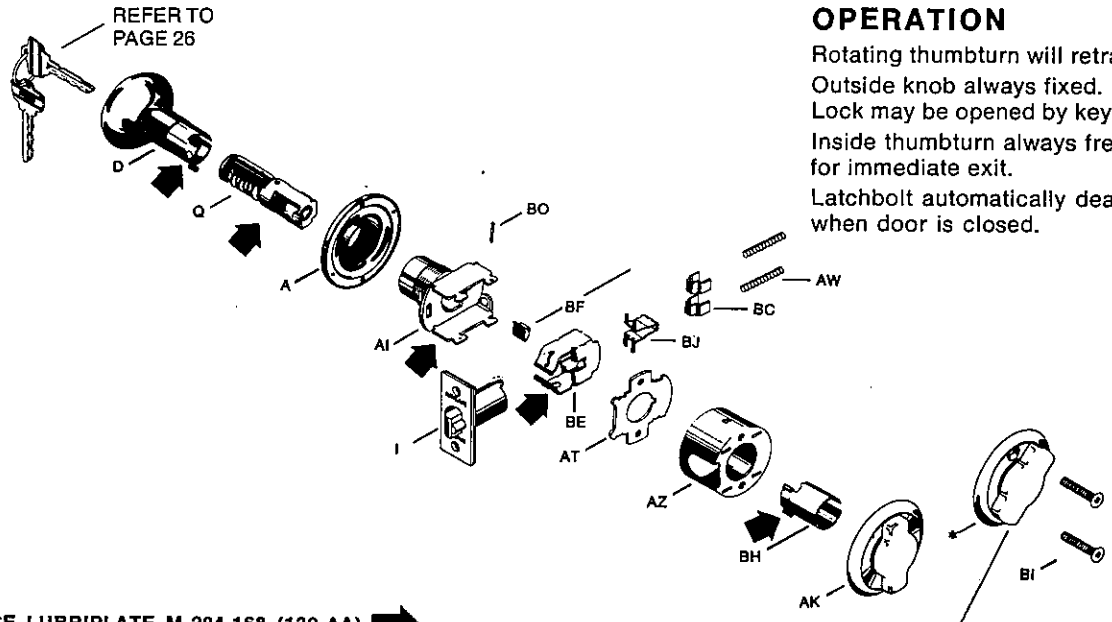
OPERATION

Rotating inside knob will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

BE SURE TO ORDER BY PART NUMBER . . REFER TO PAGES 20, 21, 22

Closet Lock—Thumbturn Inside

A81WD (Discontinued)



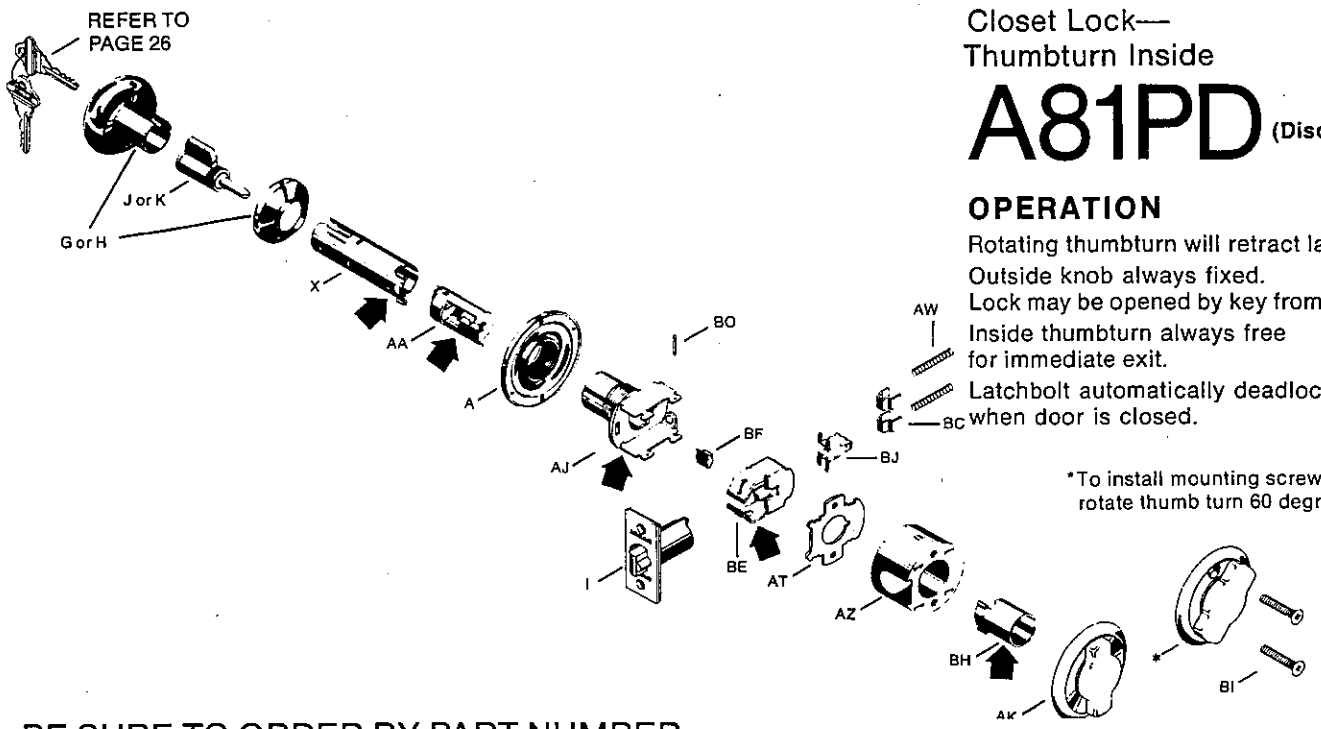
OPERATION

Rotating thumbturn will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside thumbturn always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

To install mounting screws, rotate thumb turn 60 degrees.

SCHLAGE Assembly Chart



Closet Lock—
Thumbturn Inside

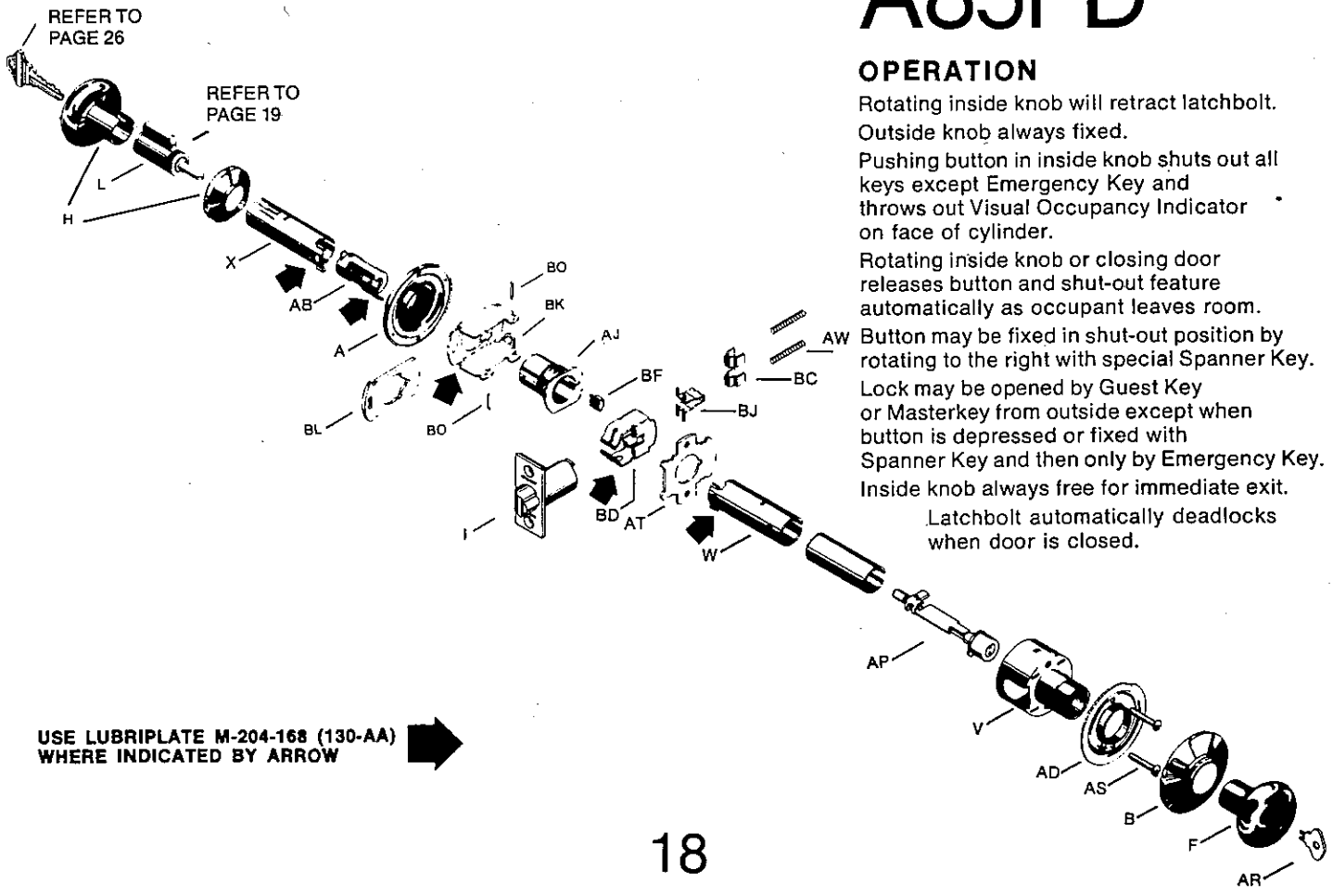
A81PD (Discontinued)

OPERATION

Rotating thumbturn will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside thumbturn always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

*To install mounting screws, rotate thumb turn 60 degrees.

BE SURE TO ORDER BY PART NUMBER—
REFER TO PAGES 20, 21, 22



Hotel-Motel Lock

A85PD

OPERATION

Rotating inside knob will retract latchbolt.
Outside knob always fixed.
Pushing button in inside knob shuts out all keys except Emergency Key and throws out Visual Occupancy Indicator on face of cylinder.
Rotating inside knob or closing door releases button and shut-out feature automatically as occupant leaves room.
Button may be fixed in shut-out position by rotating to the right with special Spanner Key.
Lock may be opened by Guest Key or Masterkey from outside except when button is depressed or fixed with Spanner Key and then only by Emergency Key.
Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.

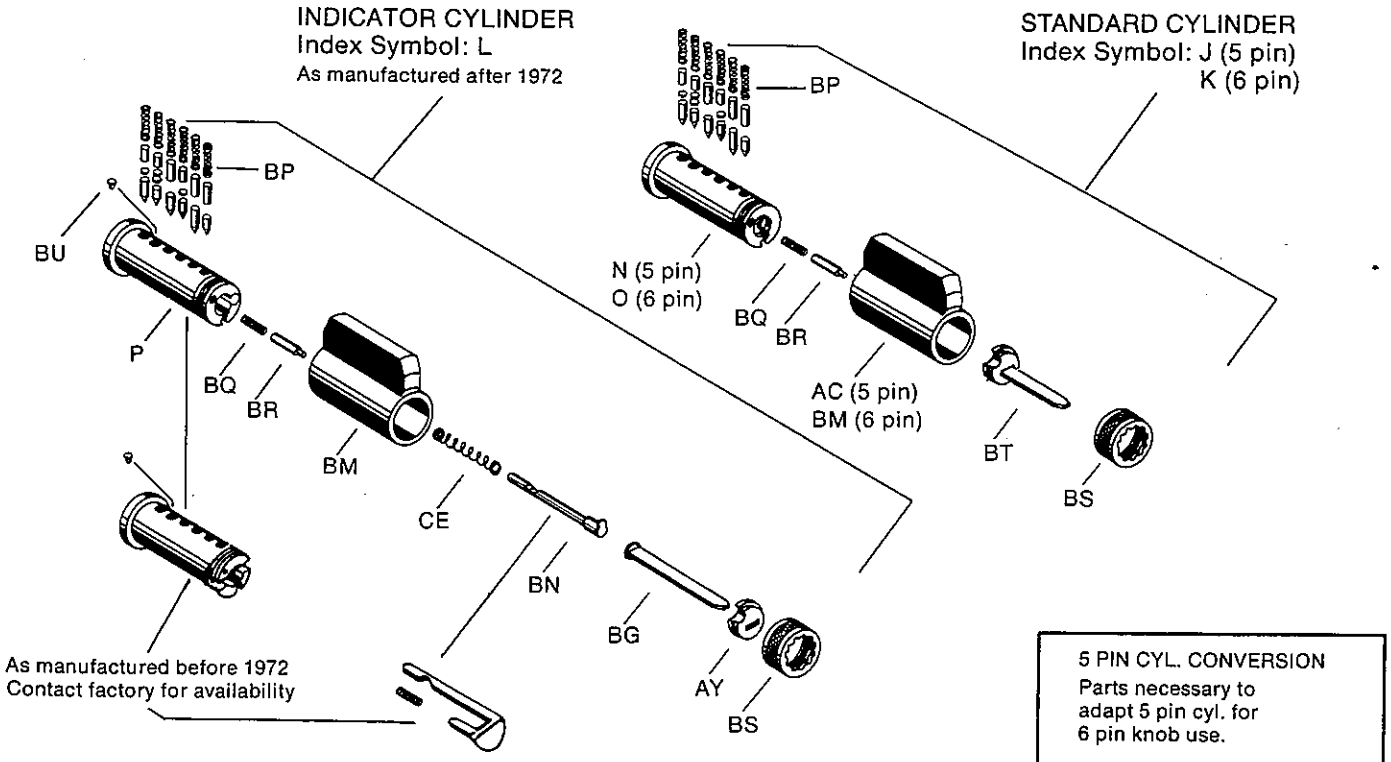
USE LUBRIPLATE M-204-168 (130-AA) WHERE INDICATED BY ARROW

"A" SERIES CYLINDER USAGE CHART

Index Symbol	Cyl. No.	#Pins	Door Range	Function	Design	Cyl Bar
J	21-001	5	1⅜"-1⅞"	All Except A85 & A73	All Except ORB, COM, PLA	A201-950
K	21-002	6	1⅜"-1⅞"	All Except A85	All Except ORB, COM, PLA	A201-950
L	21-003	6	1⅜"-1⅞"	A85 Only	All Except ORB, COM, PLA	A501-991
K	21-002 122	6	1⅜"-1⅞"	All Except A73 & A85	ORB, COM, PLA Only	A201-933
L	21-003 168	6	1⅜"-1⅞"	A85 Only	ORB, COM, PLA Only	A501-693
K	21-002 149	6	1⅜"-1⅞"	A73 Only	ORB, COM, PLA Only	A201-934

Cylinder Units

Complete cylinder units may be ordered. Use index symbol shown below to determine part number.

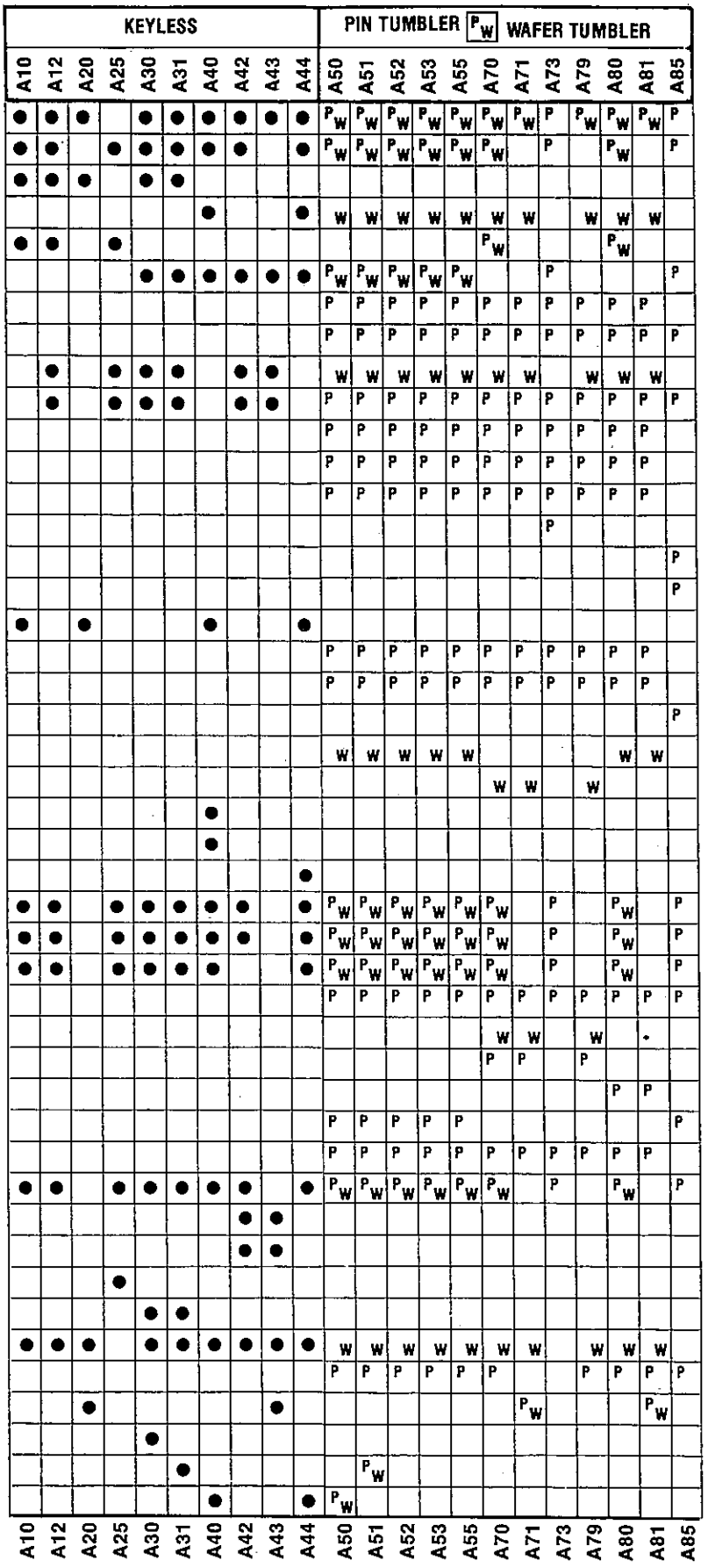


Use graphite or similar material for cylinder lubrication only.
Under no circumstances should any other type material be introduced into the cylinder.

5 PIN CYL. CONVERSION
Parts necessary to adapt 5 pin cyl. for 6 pin knob use.

Parts Index

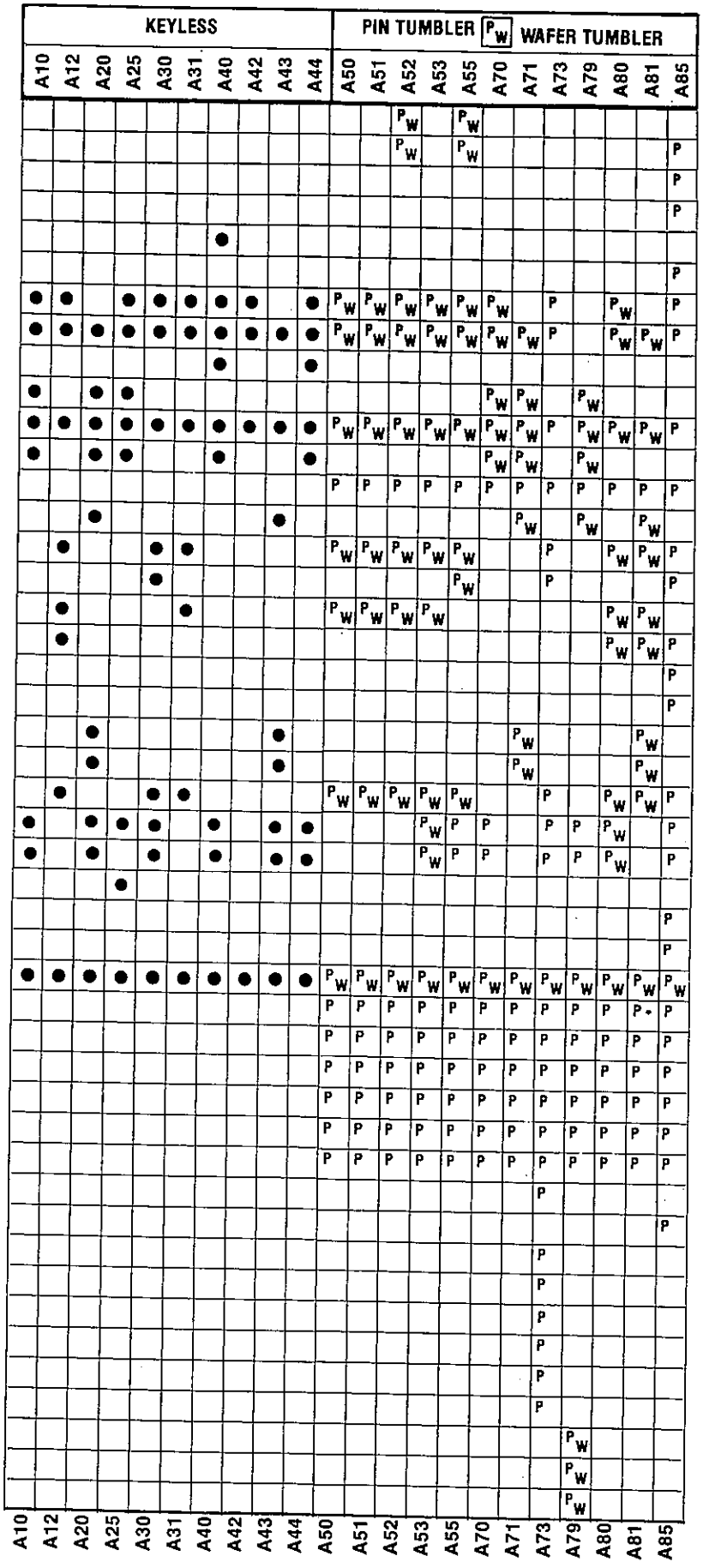
SYM.	NO.	DESCRIPTION
A	01-001	Rose, Outside (Design & Finish)
B	01-002	Rose, Inside (Design & Finish)
C	01-006	Knob, Out., Clo. (Design & Finish)
D	01-007	Knob, Out., Ope. (Design & Finish)
E	01-008	Knob, Ins., Clo. (Design & Finish)
F	01-009	Knob, Ins., Ope. (Design & Finish)
G	01-015	Knob & Sleeve, Cyl., 5 pin (Design & Finish)
H	01-018	Knob & Sleeve, Cyl., 6 pin (Design & Finish)
*I	11-036	Deadlatch Unit, 3/8" Throw (Finish)
	11-085	Deadlatch Unit, 1/2" Throw (Finish)
**J	21-001	Cyl. Unit, 5 Pin (Section & Finish)
K	21-002	Cyl. Unit, 6 Pin (Except Orbit & A85)
	21-002 122	Cyl. Unit, 6 Pin (For Orbit Except A73 & A85)
	21-002 149	Cyl. Unit, 6 Pin (A73 Orbit)
**L	21-003	Cyl. Unit, Ind. (Except A85 Orbit)
	21-003 168	Cyl. Unit, Ind. (Orbit A85) (Section & Finish)
*M	11-005	Springlatch Unit, 3/8" Throw (Finish)
N	33-005	Cyl. Plug, 5 Pin (Section & Finish)
0	33-006	Cyl. Plug, 6 Pin (Section & Finish)
**P	33-216	Cyl. Plug, Ind. (Section & Finish)
†*Q	21-004	Keyway & Cam (Finish)
R	21-005	Keyway Unit
S	21-006	Keyway Unit (Finish), Except Orbit Design
	21-018	Keyway Unit (Finish), Orbit Design
T	01-049	Keyway and Button Unit (Finish)
V	A201-334	Housing (Unthreaded) & Cap (Finish)
	A201-680	Housing (Threaded) & Cap (Finish)
W	A201-335	Spindle & Catch
X	A201-336	Spindle & Catch, Cylinder
Y	A201-349	Spiral Cam Unit
Z	A201-350	Spiral Cam Unit
AA	A201-370	Cam & Driver
AB	A201-371	Cam Unit
AC	A201-373	Cyl. Body, 5 Pin
AD	A201-377	Mounting Plate
AE	A201-421	Slide
AF	01-044	Spindle Unit & Plunger (Finish)
AG	A201-558	Rose, Outside (Finish)
AH	A201-560	Cam Unit
AI	A201-406	Hub & Cap (Finish)
AJ	A201-399	Hub & Cap (Finish)
AK	A201-688	Turn Unit (Finish)
AL	01-041	Plunger Unit (Finish)
AM	A301-136	Plunger Unit (Finish)
AN	01-043	Plunger Unit (Finish)



*See page 25 for additional latch & strike information
**Specify key section & door thickness
† Complete wafer keyway information included in Wafer Key Manual

Parts Index

SYM.	NO.	DESCRIPTION
AO	01-045 428	Plunger Unit (Finish) Orbit
	01-045 360	Plunger Unit (Finish) except Orbit
AP	01-046 431	Plunger Unit & Hammer (Finish) Orbit
	01-046 363	Plunger Unit & Hammer (Finish) except Orbit
AQ	35-250	Key, Emergency (Furnish when specified)
AR	35-251	Spanner Key
AS	A501-161	Screw, Mach., Mounting
AT	A501-305	Hub Plate, Inside
AU	A501-309	Slide, Restoring
AV	A501-310	Slide, Non-Restoring
AW	A501-311	Slide Spring (Knobs) C503-737 (Levers)
AX	A501-312	Slide Spring Seat
AY	C503-346	Cyl. Driver
AZ	A501-701	Housing
BC	A501-525	Spring Seat (2 each required)
BD	A501-526	Slide, Restoring
BE	A501-527	Slide, Non-Restoring
BF	A501-615	Spindle Wedge
BG	A501-991	Cyl. Bar for 21-003
	A501-693	Cyl. Bar for 21-003 168
BH	A501-633	Spindle
BI	A501-634	Screw, Mach., Mounting (Finish)
BJ	A501-645	Spring, Separator
BK	A501-900	Hub Frame
BL	A501-901	Hub Plate, Outside
	A501-874	Hub Plate, Outside
BM	A501-576	Cyl. Body, 6 Pin
**BN	C604-145	Cyl. Indicator
BO	C503-008	Cotter Pin, 2 each required
BP	C503-113	Cyl. Tumbler & Shut-out Spring
BQ	C503-115	Cyl. Cap Spring
BR	C503-116	Cyl. Cap Pin
BS	C503-118	Cyl. Cap
**BT	A201-950	Cyl. Bar & Driver for 21-001 & 21-002
	A201-933	Cyl. Bar & Driver for 21-002 122
	A201-934	Cyl. Bar & Driver for 21-002 149
BU	C603-195	Pin, Obstruction
BV	01-047 360	Plunger Unit (Finish) Orbit
	01-047 428	Plunger Unit (Finish) except Orbit
BW	A501-782	Hub Sleeve
BX	A201-774	Keyway Cam
BY	A501-775	Cam Plug
BZ	A501-776	Spiral Cam
CA	A501-766	Rose, Inside
CB	A501-767	Mounting Plate
CC	A501-768	Hub Plate, Inside



*See page 25 for additional latch & strike information

**Specify key section & door thickness

† Complete wafer keyway information included in Wafer Key Manual

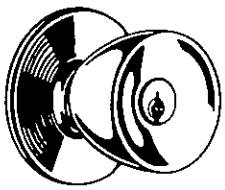
Parts Index

SYM.	NO.	DESCRIPTION
CD	A501-769	Mounting Screws, One Way
CE	C604-144	Cyl. Indicator Spring
CF	01-052 360	Plunger Unit (Finish) Except Orbit
	01-052 428	Plunger Unit (Finish) Orbit
CG	A501-710	Sleeve, Spindle
CH	G570-232	Plug for Levers Only
CI	A501-741	Lever Reinforcement Sleeve
CJ	A501-498	1⅜" Door
CK	A501-499	1¾" Door

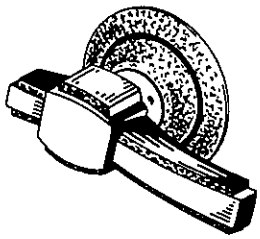
KEYLESS										PIN TUMBLER [P W] WAFER TUMBLER											
A10	A12	A20	A25	A30	A31	A40	A42	A43	A44	A50	A51	A52	A53	A55	A70	A71	A73	A79	A80	A81	A85
																		IP W			
																					P
													P W								
													P W								
																					P
●		●																			P
						●			●				P								
			●										P								
			●																		P

*See page 25 for additional latch & strike information
**Specify key section & door thickness
† Complete wafer keyway information included in Wafer Key Manual

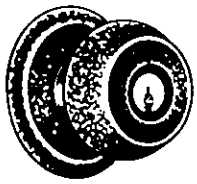
SCHLAGE A/Trim Designs



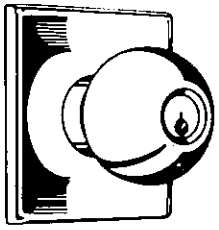
BELL



BRISTOL



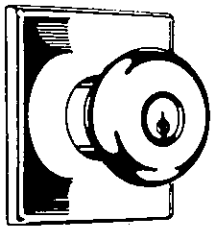
CLAREMONT



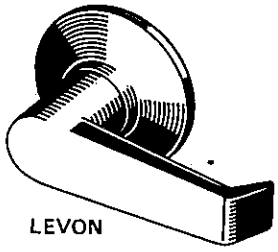
COMET

CROWN

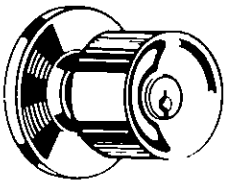
GEORGIAN



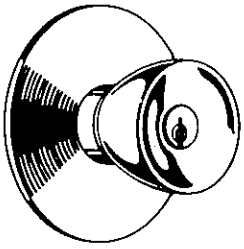
HANOVER



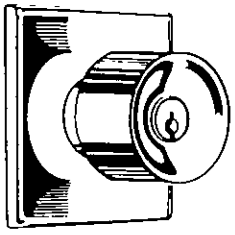
LEVON



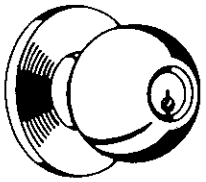
LUNA



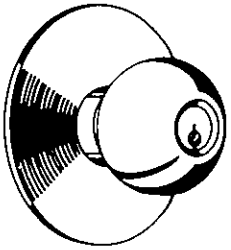
MAGNOLIA



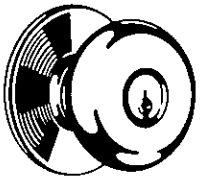
METEOR



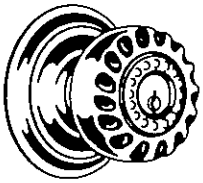
ORBIT



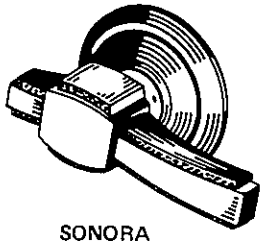
PLANET



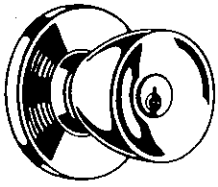
PLYMOUTH



PORTOLA



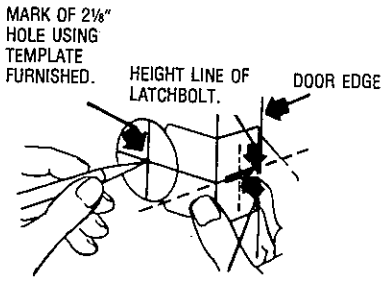
SONORA



TULIP

1 MARK DOOR

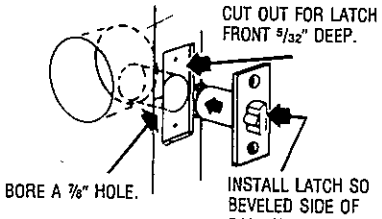
Mark height line of latchbolt on edge of door. Suggested height from floor 38".



MARK FOR CENTER OF LATCH HOLE ON HEIGHT LINE. MARK IN CENTER OF DOOR EDGE. DOORS OVER 1⅞" THICK, MARK HOLE ¾" FROM OUTSIDE FACE OF DOOR.

2 BORE TWO HOLES

BORE A 2⅛" HOLE FROM BOTH SIDES OF DOOR.

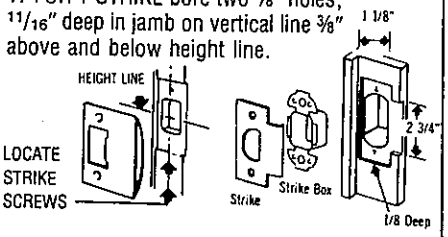


Tools: 2⅛" and ⅞" bits, hand brace or power drill (½" chuck), hammer, wood chisel, Phillips screwdriver. For easier preparation, check with dealer on availability of other installation tools.

3 INSTALL STRIKE

Mark vertical line and height line on jamb exactly opposite center point of latch hole.

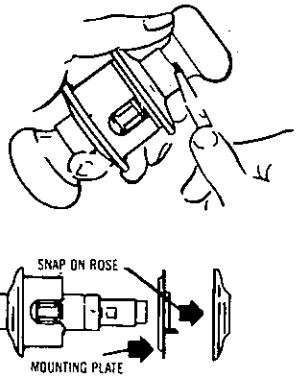
1. FOR T STRIKE bore two ⅞" holes, 11/16" deep in jamb on vertical line ⅜" above and below height line.



2. FOR FULL LIP STRIKE mark screw holes for strike so that screws lie on same vertical center line as latch screws. Cut out jamb providing for clearance of latch and strike tongue and install strike.

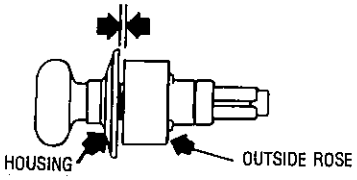
4 REMOVE INSIDE TRIM

Depress knob catch, slide knob off spindle and remove rose.

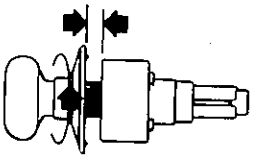


5 ADJUST ROSE

ROTATE ROSE 1/16" SHORT OF HOUSING FOR 1⅜" THICK DOOR.

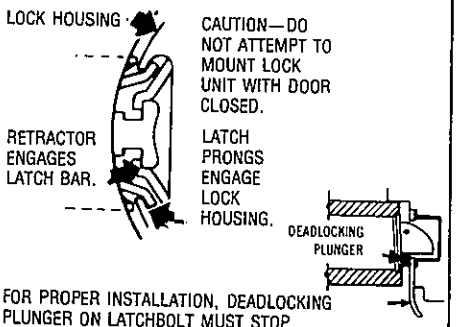


ROTATE OUT TO 3/16" FOR 1⅞" DOOR. THIS IS THE MAXIMUM ADJUSTMENT.



6 INTERLOCK UNITS

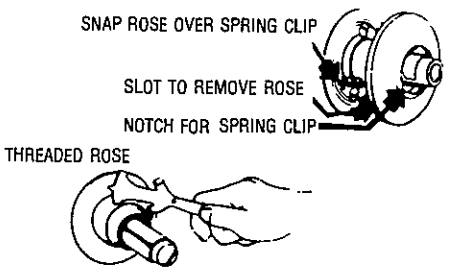
Latch unit must be in place before installing lock. Be sure lock housing engages with latch prongs and retractor interlocks with latch bar.



FOR PROPER INSTALLATION, DEADLOCKING PLUNGER ON LATCHBOLT MUST STOP AGAINST STRIKE, PREVENTING FORCING WHEN DOOR IS CLOSED.

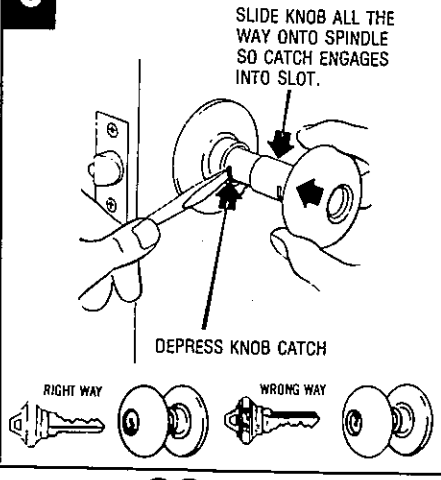
7 ATTACH TRIM

Slip mounting plate over spindle and fasten securely with two machine screws. Snap rose over spring clip on mounting plate.



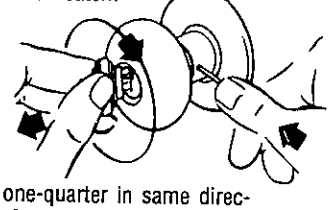
Slip rose over spindle and screw onto threaded hub. Turn clockwise and tighten with spanner wrench.

8 REPLACE KNOB



TO CHANGE LOCK HAND

With key in cylinder, insert small nail into hole in the outside hub cap. Exert pressure and turn key slowly until knob catch depresses; then pull off knob. Simply turn knob over and with key partly removed from cylinder, replace knob on spindle. Slide knob up to knob catch.



Turn key one-quarter in same direction as before, depress knob catch and push knob into position.

How to remove and replace cylinder knobs

on "A" Series Wafer Locks

TO REMOVE INSIDE KNOB:

1. Using screw-driver, depress catch through hole in shank of inside knob and remove inside knob from spindle.

TO REPLACE INSIDE KNOB:

1. Slide knob onto spindle up to knob catch.
2. Using screw-driver, depress catch on spindle and slide inside knob forward into position.

TO REMOVE OUTSIDE WAFER KNOB:

Using screw driver, depress catch through hole in shank of inside knob and remove inside knob from spindle.

2. With knob removed, position screw driver into small notch located on edge of inside rose and, with prying motion, snap off the inside rose.
3. Remove the two machine screws and inside mounting plate will slip off over the inside spindle. The lock will now slip out of the door.
4. The lock housing is attached to lock by small cotter pin or by twisted lugs. Remove cotter pin or straighten out the lugs. Lift housing above lugs, then rotate housing slightly in either direction to free friction lugs from hub plate. Then lift housing off completely.
5. With housing removed, the lock frame is now exposed. (When performing this operation, hold palms of hands carefully around lock to prevent springs from escaping from the retractor slide.) To remove hub plate, press forward with thumbs against frame tabs, push upward with index fingers against hub plate. This will disengage plate.
6. In order to free the plunger unit as you remove this assembly, it is necessary to push the slide all the way to the rear against the compression of the two slide springs and hold the slide down with the thumb. After the inside spindle, thrust plate, and plunger unit assembly have been removed, let the slide and two slide springs ease forward gradually, and remove them from the lock frame.
7. Turning and pulling outside knob simultaneously will remove outside knob from lock frame.
8. To remove wafer keyway from knob, push in on the face of the wafer keyway unit from the outside of knob until enough keyway protrudes at the spindle eared end to pull keyway out completely.

TO REPLACE OUTSIDE KNOB:

1. To replace outside knob reverse procedure employed to remove it.

on "A" Series Pin Tumbler Locks

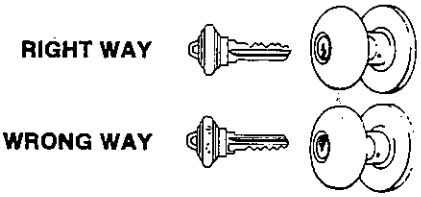
TO REMOVE OUTSIDE KNOB:

1. Insert key into cylinder.
2. Insert pointed end of Schlage spanner wrench or small nail into hole in the outside hub cap.
3. Exert pressure on spanner wrench or nail while slowly turning key in clock-wise direction until knob catch depresses. Then pull off knob.

TO REPLACE OUTSIDE KNOB:

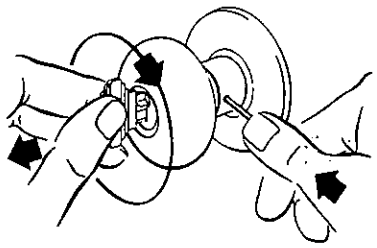
1. Insert key into cylinder.
2. Slide knob onto spindle up to knob catch.
3. Turn key one-quarter turn in clockwise direction.
4. Depress knob catch and push knob into position.

IMPORTANT

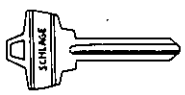


Cylinders in "A" locks are factory assembled in knobs for right or left hand doors as ordered. If necessary to change the hand of a lock so that cylinder will be right side up, see following instructions.

TO CHANGE LOCK HAND



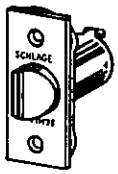
Insert small nail or similar tool into hole in the outside hubcap. Exert pressure and at the same time insert key and turn slowly in clockwise direction until knob catch depresses; then pull off knob. Simply turn knob over and with key partly removed from cylinder, replace knob on spindle. Slide knob onto spindle up to knob catch. Turn key one-quarter turn in same direction as before, depress knob catch, and push knob into position.

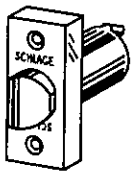


Wafer key locks do not have to be changed for right or left hand doors; factory assembled with non-removable exterior knobs.

SCHLAGE A/Latches & Strikes

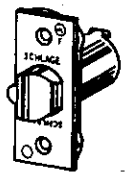
SPRINGLATCHES

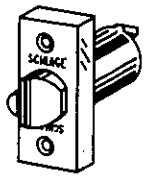

STANDARD

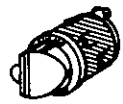

RABBETED


CIRCULAR

DEADLATCHES


STANDARD

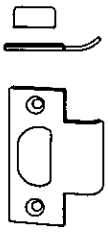

RABBETED


CIRCULAR

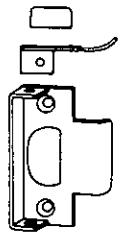
All "A" Series latches have adjustable faceplates for flat or beveled doors except circular and rabbeted latches with flat faceplates only.

Backset	Faceplate Description	⅜ Throw Springlatch	⅜ Throw Deadlatch	½ Throw Deadlatch
2⅜"	1" (Standard) ⅞" Housing	11-005	11-036	11-085
	1", ½" Rabbeted			11-087
	1", ¼" Rad. Rd. Corner	11-008	11-039	11-088
	1⅛"	11-010	11-041	11-089
	1", Circular, Drive-in	11-012	11-043	11-104
2¾"	1"	11-014	11-045	11-091
	1", ¼" Rad. Rd. Corner	11-017	11-048	11-092
	1⅛"	11-019	11-050	11-095
	1⅛", 1" Housing	11-020	11-051	11-096
	1⅛", ½" Rabbeted		11-053	11-094
	1", Circular, Drive-in	11-025	11-056	11-105
3¾"	1"	11-026	11-057	11-099
	1", ½" Rabbeted			11-101
	1", ½" Rad. Rd. Corner	11-029	11-060	----
	1⅛"	11-031	11-062	11-102
	1⅛", 1" Housing	11-032	11-063	11-103

STRIKES

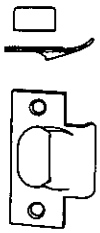


10-001
SQUARE CORNER (STANDARD)
SIZE: 2¾"×1⅛"×3/32" thick
LIPS: 1" (1⅛",) 1¼", 1½", 1¾", 2"



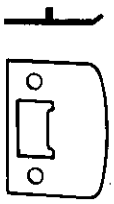
10-003
SQUARE CORNER ½" RABBETED
SIZE: 2¾"×1⅛"×3/32" thick
LIPS: 1", 1⅛", 1¼", 1½", 1¾", 2"
STRIKE SHIELD B502-048

10-004
ROUNDED CORNER ¼" RADIUS
SIZE: 2¾"×1⅛"×3/32" thick
LIPS: 1⅛" & 1¼"

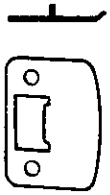


10-006
SQUARE CORNER RAISED LIP
SIZE: 2¾"×1⅛"×3/32" thick
LIP: 1¼"

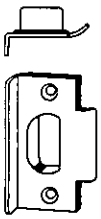
10-025
SQUARE CORNER FOR ANSI PREPARATION A115.2
SIZE: 4⅞"×1¼"×3/32" thick
LIPS: 1", 13/16", 1¼", 1⅜"



10-026
FULL LIP SQUARE CORNER
SIZE: 2¼" high
LIP: 1⅛"

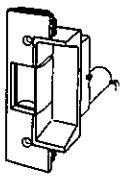


10-027
ROUNDED CORNER ¼" RADIUS
SIZE: 2¼" high
LIP: 1⅛"

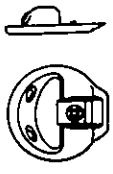


10-039
(1¾" Drs.) PROTECTED BACK
LIP: 1¼"

10-040
OPEN BACK
SIZE: 2¾"×1⅛"×⅛" thick
LIP: 1"



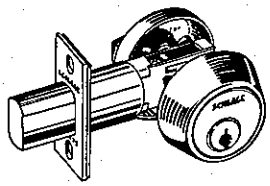
10-042
LATCH RELEASE, ELECTRIC
SIZE: 4⅞"×1¼"×3/32"
VOLTAGE: 24V-AC, 12V-DC
NOT DESIGNED FOR CONTINUOUS OR REVERSE ACTION

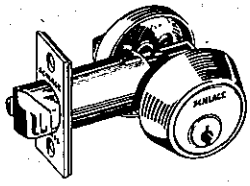


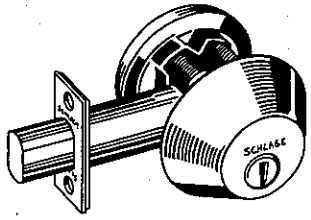
10-058
CIRCULAR ADJUSTABLE
SIZE: 1¾" diameter
LIP: 17/32" only

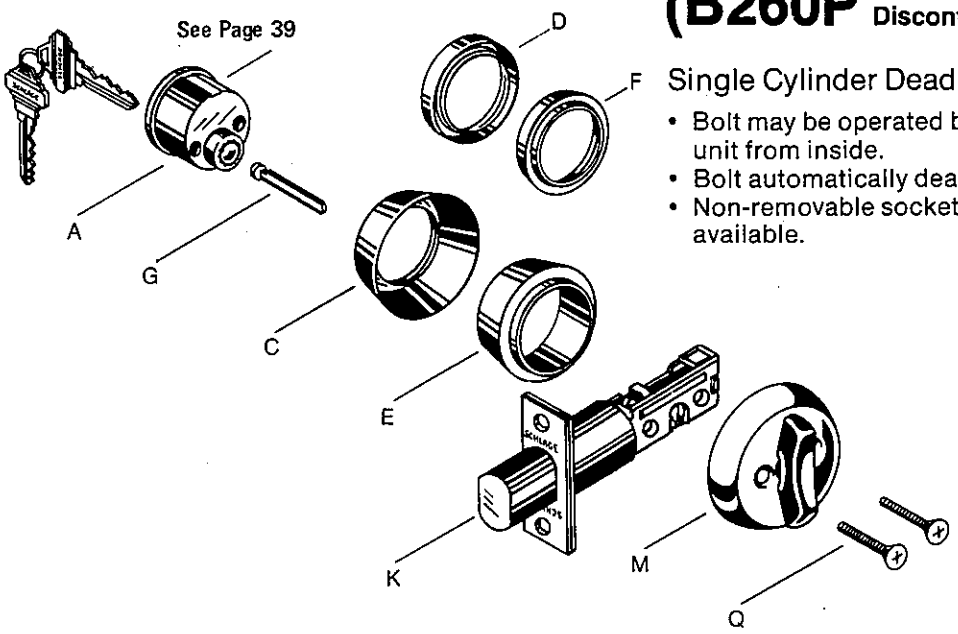
Index

Series Locks **B**







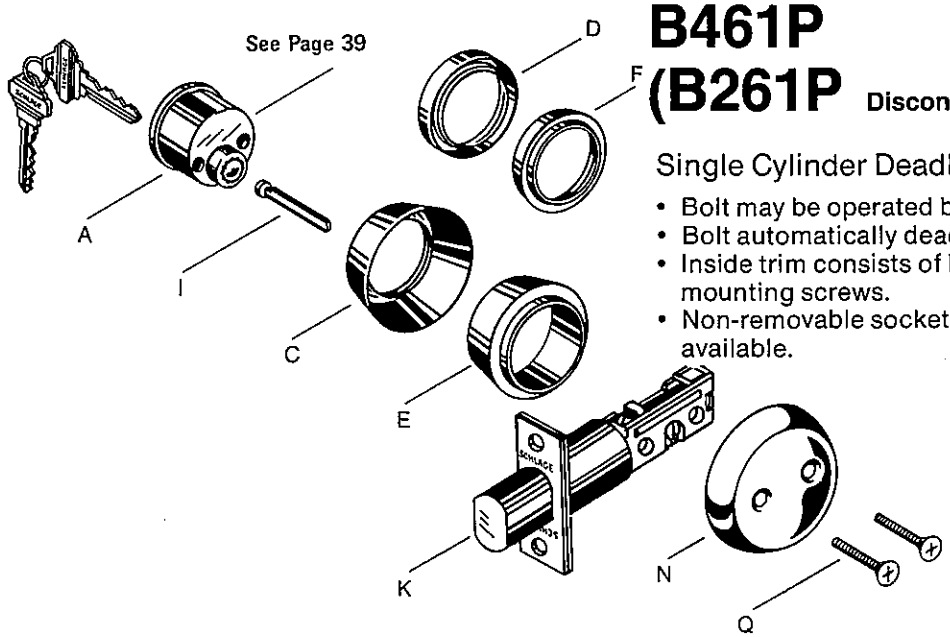


B160P, B460P (B260P Discontinued)

Single Cylinder Deadbolt

- Bolt may be operated by key from outside or by turn unit from inside.
- Bolt automatically deadlocks when fully thrown.
- Non-removable socket head mounting screws are available.

BE SURE TO ORDER BY PART NUMBER

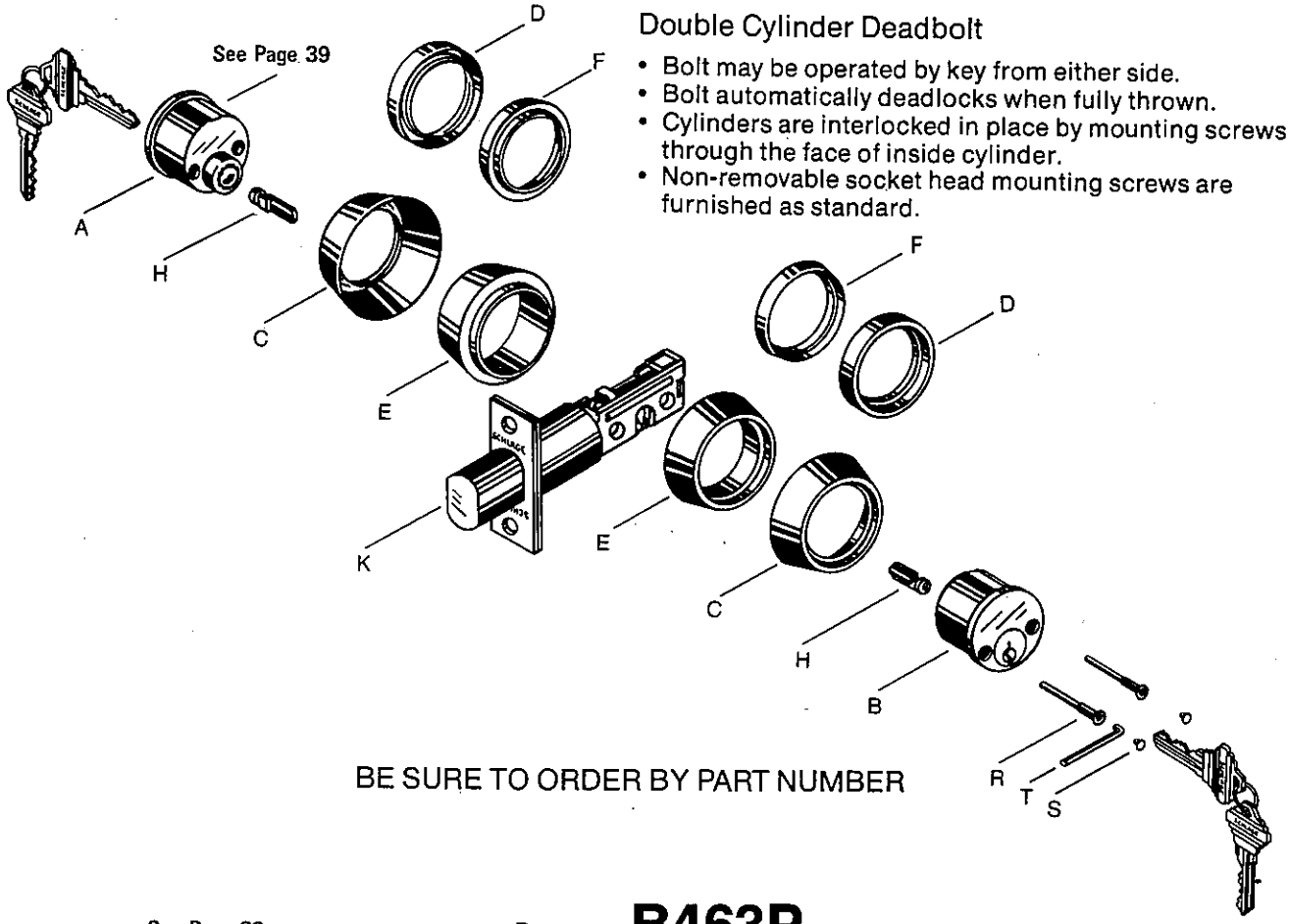


B461P (B261P Discontinued)

Single Cylinder Deadbolt—Blank Plate Inside

- Bolt may be operated by key from outside only.
- Bolt automatically deadlocks when fully thrown.
- Inside trim consists of blank escutcheon with standard mounting screws.
- Non-removable socket head mounting screws are available.

B162P, B462P (B262P Discontinued)

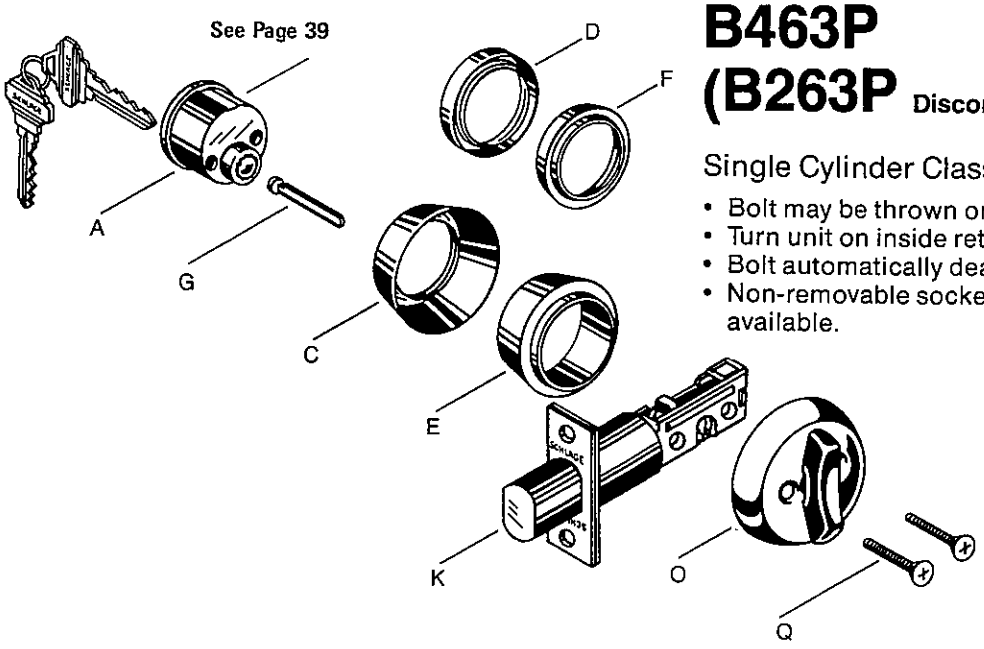


Double Cylinder Deadbolt

- Bolt may be operated by key from either side.
- Bolt automatically deadlocks when fully thrown.
- Cylinders are interlocked in place by mounting screws through the face of inside cylinder.
- Non-removable socket head mounting screws are furnished as standard.

BE SURE TO ORDER BY PART NUMBER

B463P (B263P Discontinued)



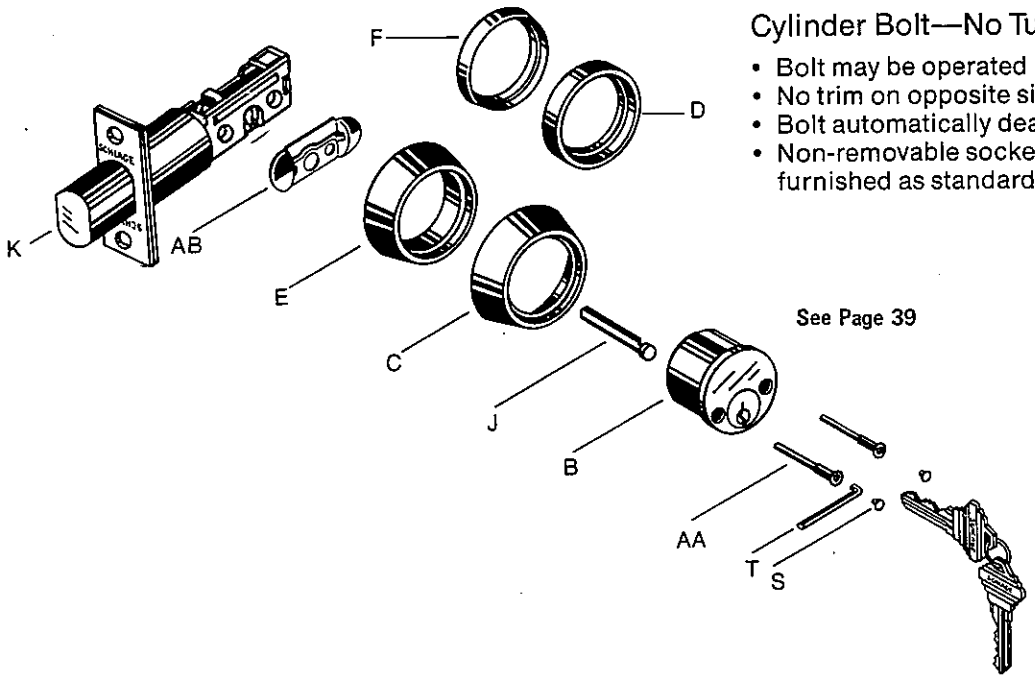
Single Cylinder Classroom Deadbolt

- Bolt may be thrown or retracted by key from outside.
- Turn unit on inside retracts bolt but will not throw it.
- Bolt automatically deadlocks when fully thrown.
- Non-removable socket head mounting screws are available.

B464P
(B264P Discontinued)

Cylinder Bolt—No Turn Unit

- Bolt may be operated by key from one side.
- No trim on opposite side.
- Bolt automatically deadlocks when fully thrown.
- Non-removable socket head mounting screws are furnished as standard.



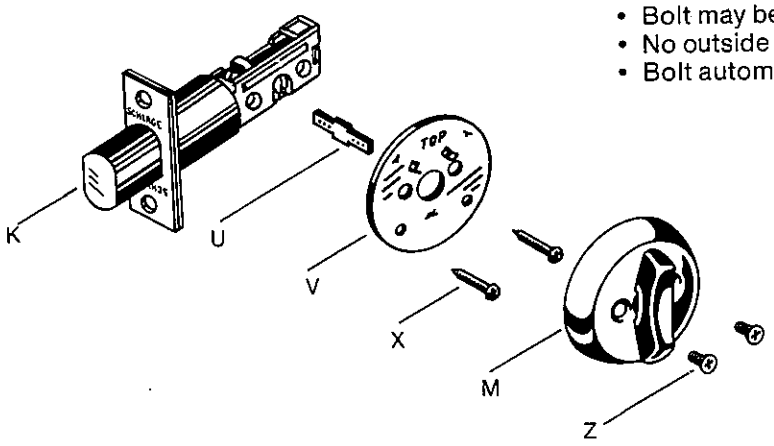
See Page 39

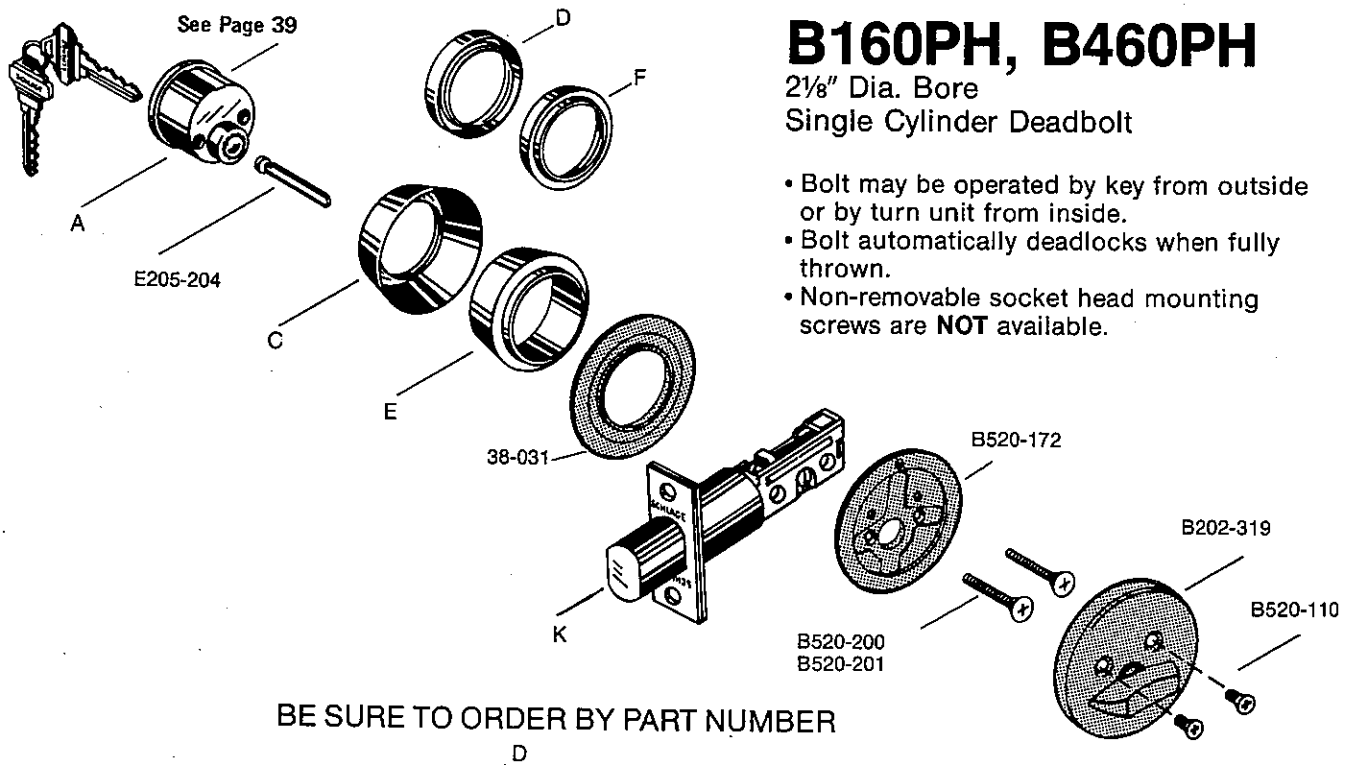
BE SURE TO ORDER BY PART NUMBER

B180, B480
(B280 Discontinued)

Turn Bolt—No Cylinder Unit

- Bolt may be operated by turn unit from inside only.
- No outside trim.
- Bolt automatically deadlocks when fully thrown.



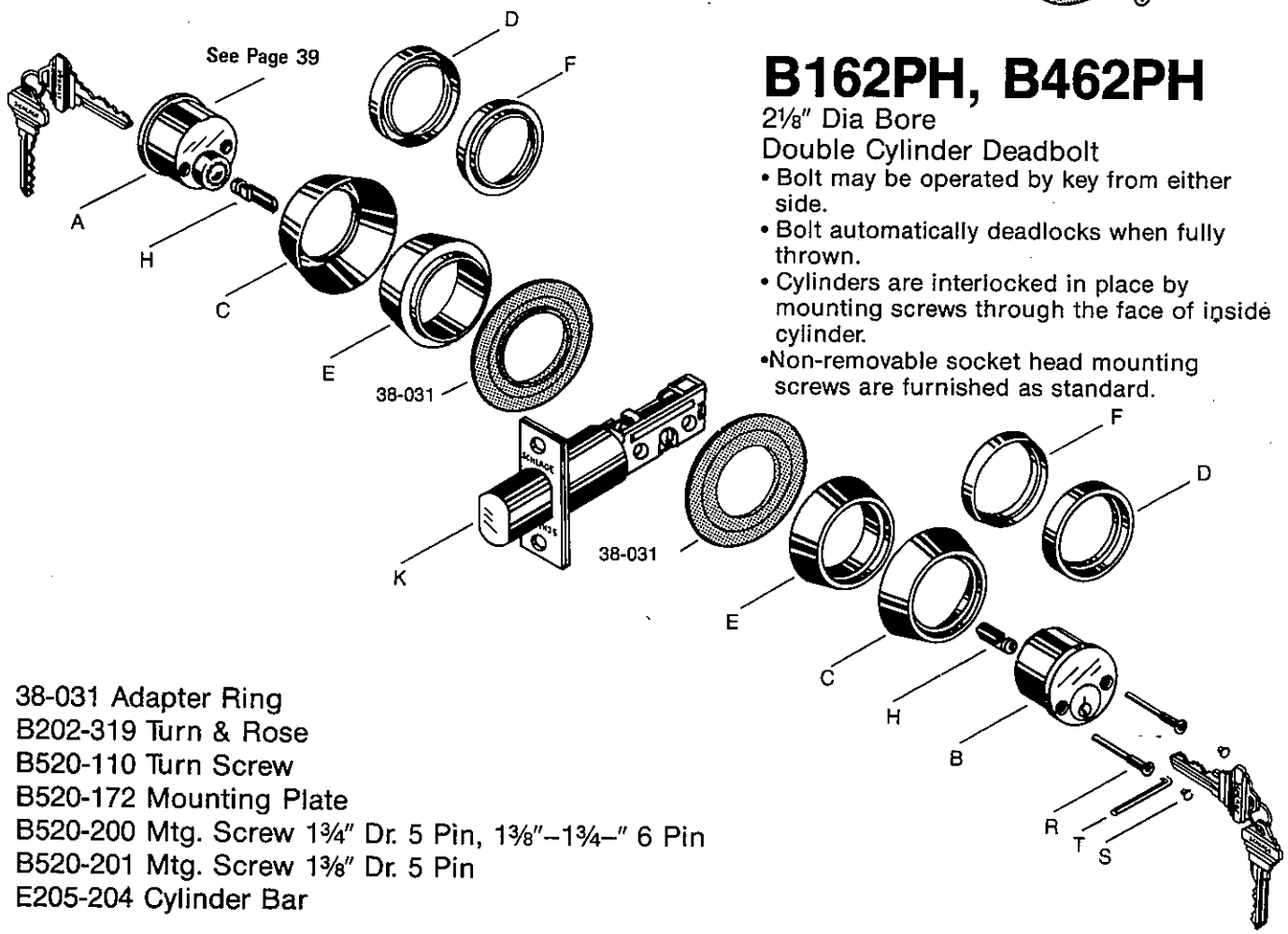


B160PH, B460PH

2⅛" Dia. Bore
Single Cylinder Deadbolt

- Bolt may be operated by key from outside or by turn unit from inside.
- Bolt automatically deadlocks when fully thrown.
- Non-removable socket head mounting screws are **NOT** available.

BE SURE TO ORDER BY PART NUMBER

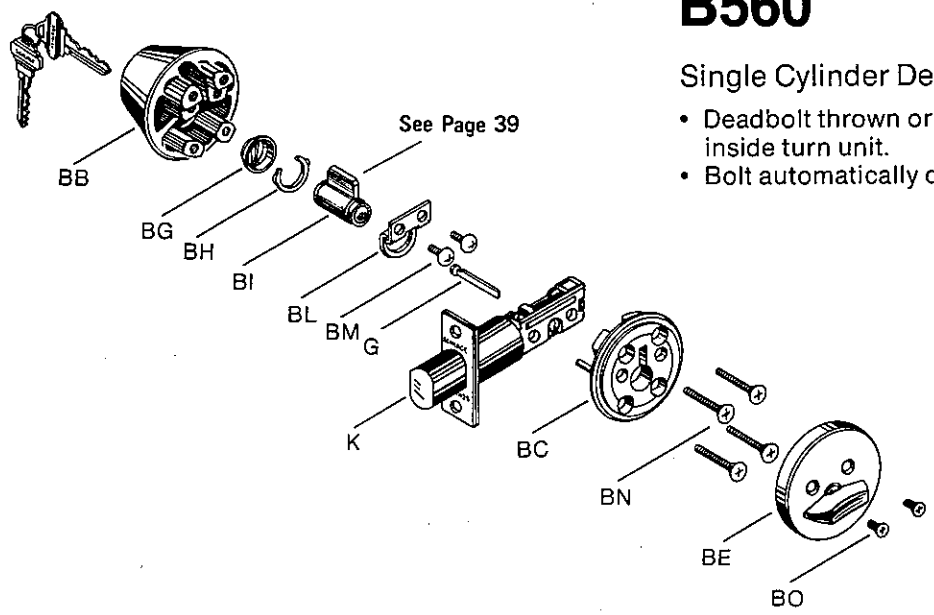


B162PH, B462PH

2⅛" Dia Bore
Double Cylinder Deadbolt

- Bolt may be operated by key from either side.
- Bolt automatically deadlocks when fully thrown.
- Cylinders are interlocked in place by mounting screws through the face of inside cylinder.
- Non-removable socket head mounting screws are furnished as standard.

38-031 Adapter Ring
B202-319 Turn & Rose
B520-110 Turn Screw
B520-172 Mounting Plate
B520-200 Mtg. Screw 1¾" Dr. 5 Pin, 1⅜"–1¾–" 6 Pin
B520-201 Mtg. Screw 1⅜" Dr. 5 Pin
E205-204 Cylinder Bar

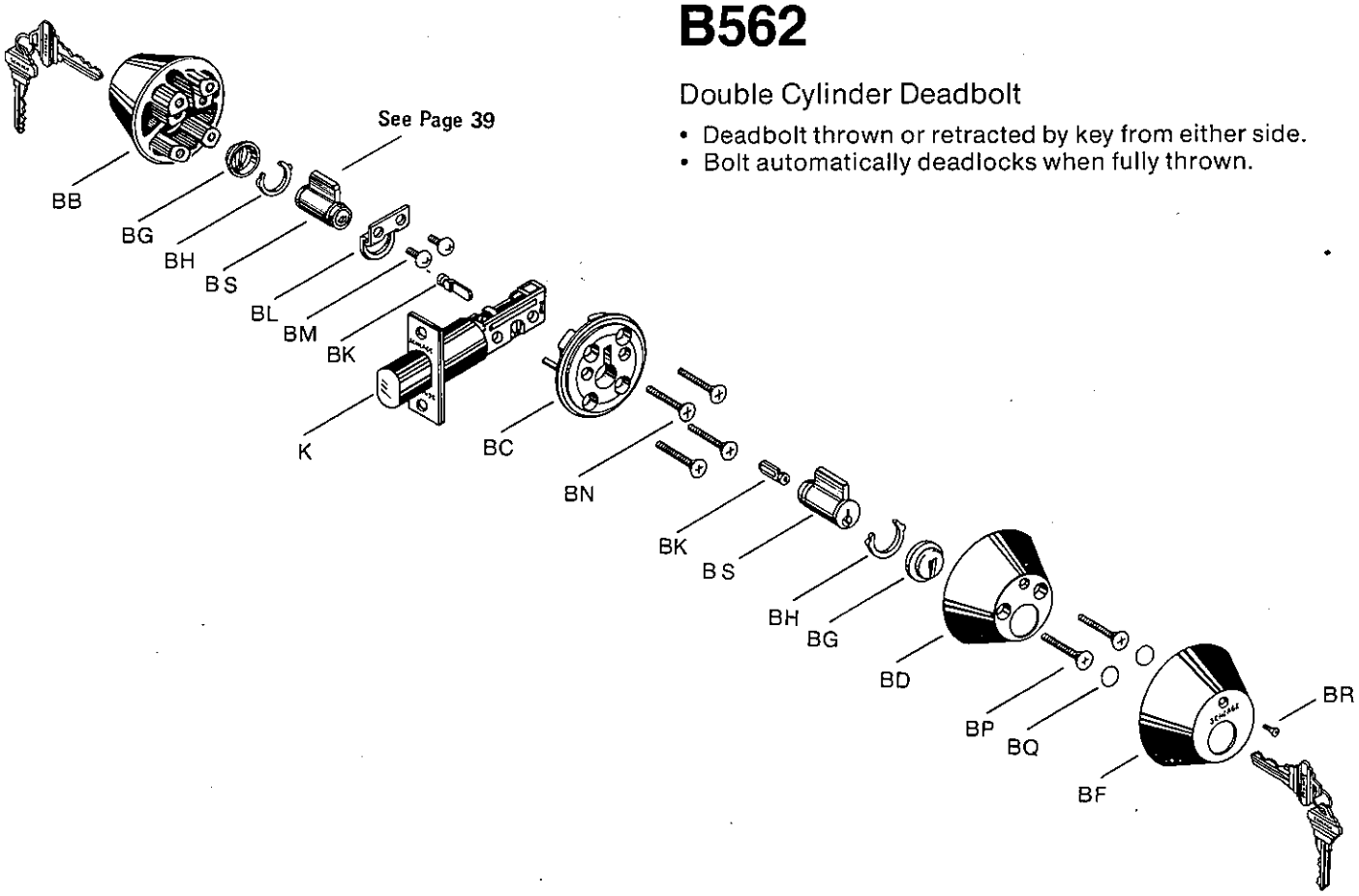


B560

Single Cylinder Deadbolt

- Deadbolt thrown or retracted by key from outside or by inside turn unit.
- Bolt automatically deadlocks when fully thrown.

BE SURE TO ORDER BY PART NUMBER



B562

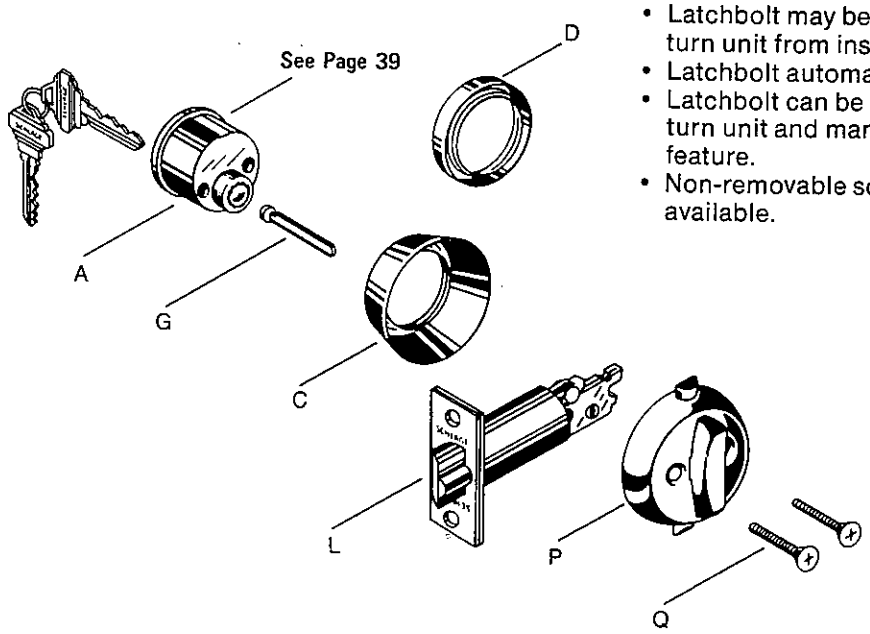
Double Cylinder Deadbolt

- Deadbolt thrown or retracted by key from either side.
- Bolt automatically deadlocks when fully thrown.

B250PD

Single Cylinder Night Deadlatch

- Latchbolt may be retracted by key from outside or by turn unit from inside.
- Latchbolt automatically deadlocks when door is closed.
- Latchbolt can be held in retracted position by rotating turn unit and manually engaging the hold-back feature.
- Non-removable socket head mounting screws are available.

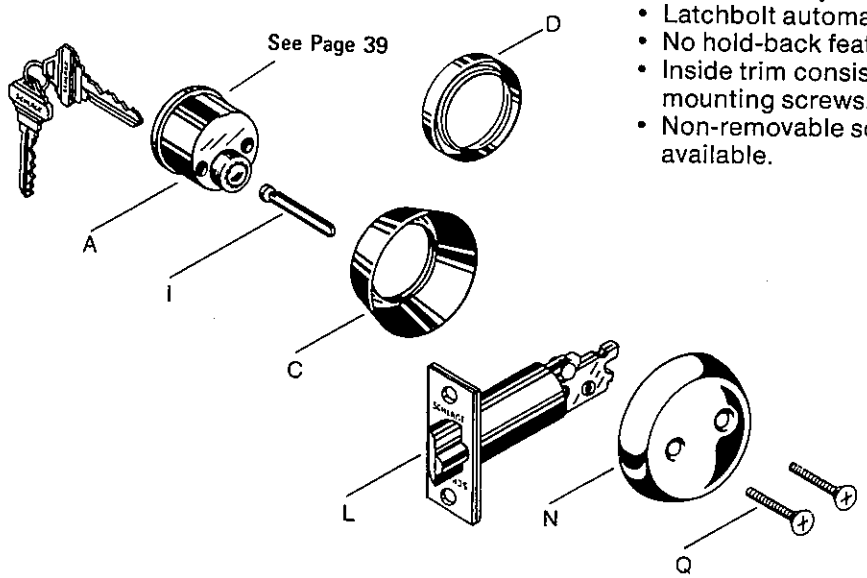


BE SURE TO ORDER BY PART NUMBER

B251PD (Discontinued)

Single Cylinder Deadlatch—Blank Plate Inside

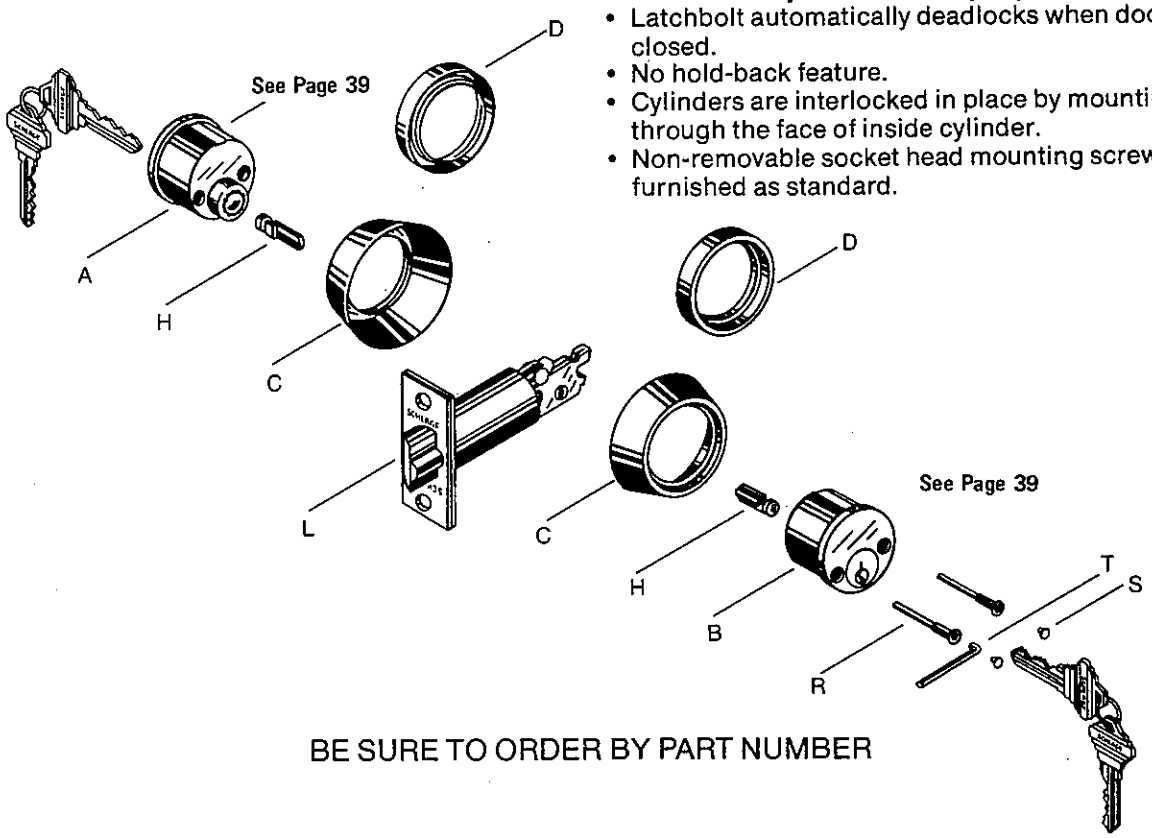
- Latchbolt may be retracted by key from outside only.
- Latchbolt automatically deadlocks when door is closed.
- No hold-back feature.
- Inside trim consists of blank escutcheon with standard mounting screws.
- Non-removable socket head mounting screws are available.



B252PD

Double Cylinder Deadlatch

- Latchbolt may be retracted by key from either side.
- Latchbolt automatically deadlocks when door is closed.
- No hold-back feature.
- Cylinders are interlocked in place by mounting screws through the face of inside cylinder.
- Non-removable socket head mounting screws are furnished as standard.

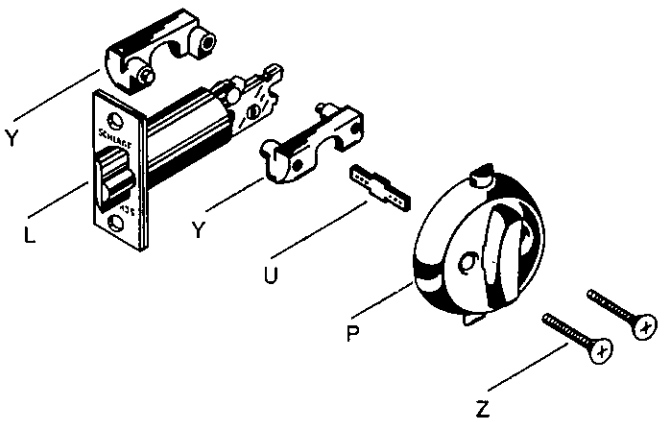


BE SURE TO ORDER BY PART NUMBER

B270D

Exit Latch—No Cylinder Unit

- Latchbolt may be retracted by turn unit from inside only.
- No outside trim.
- Latchbolt automatically deadlocks when door is closed.
- Latchbolt can be held in retracted position by rotating turn unit and manually engaging the hold back feature.



SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	FUNCTIONS											
			160 260 460	261 461	162 262 462	263 463	264 464	180 280 480	560	562	250	251	252	270
A	22-017	5 Pin Cylinder Unit, Outside	●	●	●	●					●	●	●	
	22-019	6 Pin Cylinder Unit, Outside	●	●	●	●					●	●	●	
B	22-018	5 Pin Cylinder Unit, Inside			●		●						●	
	22-020	6 Pin Cylinder Unit, Inside			●		●						●	
C	36-067	7/16" Trim Ring	●	●	●	●	●				●	●	●	
D	36-066	1/8" Trim Ring	●	●	●	●	●				●	●	●	
E	36-069	7/16" Security Insert, Std. B400 Series	●	●	●	●	●							
F	36-068	1/8" Security Insert, Std. B400 Series	●	●	●	●	●							
G	B520-067	Cyl. Bar, 5 or 6 Pin, 1 3/8" or 1 3/4" Dr.,Std.	●			●			●		●			
H	B202-370	Cyl. Bar, 5 Pin, 1 3/8" or 1 3/4" Dr.,			●								●	
		(2 Req.), Std.			●								●	
	B202-269	Cyl. Bar, 6 Pin, 1 3/8" Dr. (2 Req.)			●									
	B202-369	Cyl. Bar, 6 Pin, 1 3/4" Dr. (2 Req.)			●								●	
I	B202-267	Cyl. Bar, 5 or 6 Pin, 1 3/8" or 1 3/4" Dr.,Std.		●								●		
J	E205-204	Cyl. Bar, 5 Pin, 1 3/8" to 2 3/4" Dr., Std.					●							
	B202-269	Cyl. Bar, 6 Pin, 1 3/8" Dr.					●							
	E205-204	Cyl. Bar, 6 Pin, 1 3/4" Dr.					●							
K	12-185	Deadbolt, 1" Throw, 2 3/8" BS., B100 Std.	●		●			●						
	12-073	Deadbolt, 1" Throw, 2 3/8" BS.,												
		B400/B500 Std.	●	●	●	●	●	●	●	●				
	12-193	Deadbolt, 5/8" Throw, 2 3/8" BS.,B200 Std.	●	●	●	●	●	●						
L	12-100	Deadlatch, 9/16" Throw, 2 3/8" BS., Std.									●	●	●	●
M	B202-671	Rose & Turn, No Holdback	●					●						
N	B502-815	Blank Rose		●								●		
O	B202-322	Rose & Turn, One Way				●								
P	B202-672	Rose & Turn, With Holdback									●			●
Q	B520-086	Mtg. Screw, #10-32 x 2 1/4",												
		1 3/8"-1 3/4" Dr., 5 or 6 Pin (2 Req.)	●	●		●					●	●		
R	B520-092	Mtg. Screw, #10-32 x 2 1/2", 1 3/8"												
		or 1 3/4" Dr., 5 Pin (2 Req.)			●								●	
	B520-094	Mtg. Screw, #10-32 x 3", 1 3/8"												
		or 1 3/4" Dr., 6 Pin (2 Req.)			●								●	
			160 260 460	261 461	162 262 462	263 463	264 464	180 280 480	560	562	250	251	252	270

*Discontinued
B260, B261, B262, B263, B264, B280

SYM.	NO.	DESCRIPTION
S	B502-894	Drive Screw, (2 Req.)
T	B502-472	Wrench
U	B520-117	Bar Turn, 1⅜" or 1¾" Dr.
V	B502-409	Backplate
X	F506-359	Screw, Backplate, (2 Req.)
Y	B502-711	Support
Z	B502-821	Mtg. Screw, Wood Drs.
	B502-823	Mtg. Screw, Metal Drs.
AA	B520-090	Mtg. Screw, #10-32 x 1¾", 5 & 6 Pin
AB	B502-497	Anchor
BB	B202-317	Cylinder Housing & Trim, Outside
BC	B520-098	Mounting Plate
BD	B520-097	Cylinder Housing, Inside
BE	B202-319	Rose & Turn
BF	B520-101	Trim, Housing, Inside
BG	B520-103	Cylinder Guard
BH	B520-104	Cyl. Guard Retainer Clip
BI	22-002	Cylinder, 6 Pin, (No Cylinder Bar)
BK	B202-269	Cyl. Bar, 1⅝" to 2⅛" Dr., Std. (2 Req.)
BL	B520-102	Cyl. Retainer, Outside
BM	B520-108	Screw, Cylinder Retainer, (2 Req.)
BN	B520-107	Screw, Mtg. Plate (4 Req.)
BO	B520-110	Screw, Rose & Turn (2 Req.)
BP	A501-634	Screw, Cyl. Hsg., Inside (2 Req.)
BQ	B520-105	Plug, Cyl. Hsg. Screw (2 Req.)
BR	B520-111	Screw, Hsg. Trim, Inside (1 Req.)
BS	22-043	Cylinder, 6 pin (No Cylinder Bar)

FUNCTIONS											
160 260 460	261 461	162 262 462	263 463	264 464	180 280 480	560	562	250	251	252	270
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160 260 460	261 461	162 262 462	263 463	264 464	180 280 480	560	562	250	251	252	270

*Discontinued
B260, B261, B262, B263, B264, B280

Mounting Screw & Cylinder Bar Guide

5 Pin Cylinder

FUNCTION	DOOR THICKNESS	SCREW(S) No.	Length	Des.	CYLINDER BAR No.	Length
B160P	1⅜", 1½", 1¾"	B520-086	2¼"	Mtg.	B520-067	2"
B160P	2", 2½"	B520-087	2⅝"	Mtg.	B520-067	2"
B162P	1⅜", 1¾"	B520-092	2½"	Mtg.	B202-370	9/16"
B162P	2½"	B520-092	2½"	Mtg.	B202-453	⅝"
B162P	1½", 1⅝", 2", 2¼", 2¾"	B520-093	2¾"	Mtg.	B202-269	13/16"
B180	1⅜", 1½", 1¾"	B502-823	½"	Mtg.	B520-117	1 13/16"
		F506-359	¾"	Back Plate		
B180	2", 2¼"	B502-823	½"	Mtg.	B520-118	2⅛"
		B506-359	¾"	Back Plate		
B250PD	same as B160P	Same as B160P			same as B160P	
B251PD	1⅜", 1½", 1¾"	B520-086	2¼"	Mtg.	B202-267	13/16"
B251PD	2", 2¼", 2½"	B520-087	2⅝"	Mtg.	B202-267	13/16"
B252PD	same as B162P	same as B162P			same as B162P	
*B260P	same as B160P	same as B160P			same as B160P	
*B261P	same as B251PD	same as B251PD			same as B251PD	
*B262P	same as B162P	same as B162P			same as B162P	
*B263P	same as B160P	same as B160P			same as B160P	
*B264P	same as B464P	same as B464P			same as B464P	
B270D	1⅜", 1¾"	B502-821	1"	Mtg. Wood		
		B502-823	½"	Mtg. Metal	B520-117	1 13/16"
		B506-359	¾"	Back Plate		
B270D	2", 2¼"	same as above			B520-118	2⅛"
*B280	same as B180	same as B180			same as B180	
B460P	same as B160P	same as B160P			same as B160P	
B461P	same as B251PD	same as B251PD			same as B251PD	
B462P	same as B162P	same as B162P			same as B162P	
B463P	same as B160P	same as B160P			same as B160P	
B464P	1⅜", 2¾"	B520-090	1¾"	Mtg.	E205-204	3"
B480	same as B180	same as B180			same as B180	

6 Pin Cylinder

B160P	1⅜", 1½", 1¾"	B520-086	2¼"	Mtg.	B520-067	2"
B160P	1⅞", 2", 2¼", 2¾"	B520-087	2⅝"	Mtg.	B520-067	2"
B160P	2½"	B520-087	2⅝"	Mtg.	E205-204	3"
B162P	1⅜"	B520-094	3"	Mtg.	B202-269	13/16"
B162P	1½"	B520-093	2¾"	Mtg.	B202-370	9/16"
B162P	1¾"	B520-094	3"	Mtg.	B202-369	11/16"
B162P	2"	B520-093	2¾"	Mtg.	B202-370	9/16"
B162P	2¼", 2½"	B520-094	3"	Mtg.	B202-269	13/16"
B162P	2¾"	B520-093	2¾"	Mtg.	B202-370	9/16"
B162P	3"	B520-094	3"	Mtg.	B202-369	11/16"
B250PD	same as B160P	same as B160P			same as B160P	
B251PD	1⅜", 1½", 1¾"	B520-086	2¼"	Mtg.	B202-267	13/16"
B251PD	1⅞", 2", 2¼", 2½", 2¾"	B520-087	2⅝"	Mtg.	B202-267	13/16"

*Discontinued

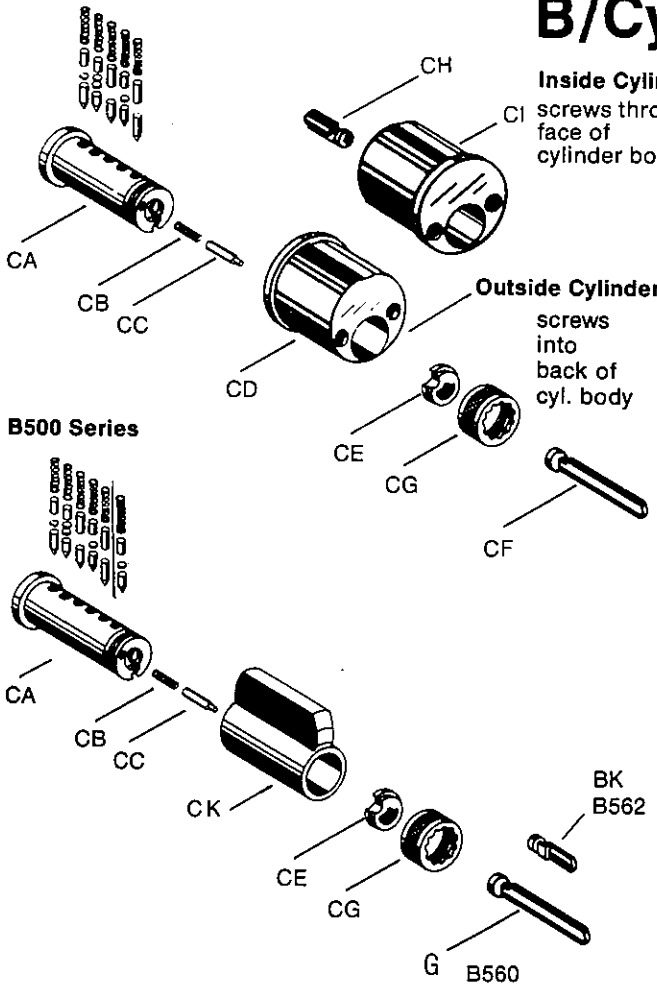
Mounting Screw & Cylinder Bar Guide

6 Pin Cylinder

FUNCTION	DOOR THICKNESS	SCREW(S) No.	Length	Des.	CYLINDER BAR No.	Length
B252PD	same as B162P	same as B162P			same as B162P	
*B260P	same as B160P	same as B160P			same as B160P	
*B261P	same as B251PD	same as B251PD			same as B251PD	
*B262P	same as B162P	same as B162P			same as B162P	
*B263P	same as B160P	same as B160P			same as B160P	
B460P	same as B160P	same as B160P			same as B160P	
B461P	same as B251PD	same as B251PD			same as B251PD	
B462P	same as B162P	same as B162P			same as B162P	
B463P	same as B160P	same as B160P			same as B160P	
B464P	1⅜", 2", 2½"	B520-091	2"	Mtg.	B202-269	13/16"
B464P	1¾"	B520-090	1¾"	Mtg.	E205-204	3"
*B264P	same as B464P	same as B464P			same as B464P	
B560P	1⅝", 1¾", 1⅞", 2", 2⅛"	B520-107	2"	Mtg. Plate	B520-067	2"
		B520-110	⅜"	Turn		
B562P	1⅝", 1¾", 1⅞", 2", 2⅛"	B520-107	2"	Mtg. Plate	B202-269	13/16"
		A501-634	1⅛"	Cyl. Hsg.		
*Discontinued		B520-111	5/16"	Trim		

B100/B200/B400 Series

B/Cylinders

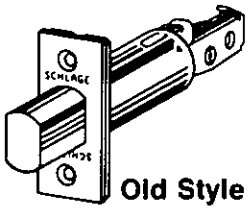


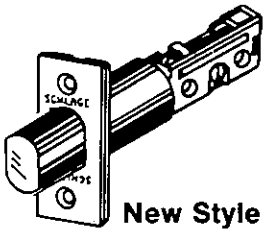
Inside Cylinder screws through face of cylinder body

Outside Cylinder screws into back of cyl. body

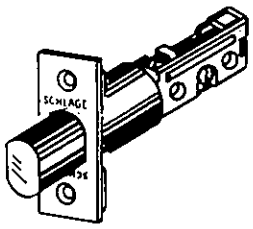
CA	33-005	Cylinder plug, 5 pin (std. B100,—B200, B400)
	33-006	Cylinder plug, 6 pin (std. B560,—B562)
CB	C503-115	Cylinder cap spring
CC	C503-116	Cylinder cap pin
CD	B202-811	Cylinder body, 5 pin std.
	B202-813	Cylinder body, 6 pin
CE	B502-165	Cylinder driver
G	B520-067	Cylinder bar, 6 pin 1⅝"—2⅛" dr.
CG	C503-118	Cylinder cap
BK	B202-269	Cylinder bar, 6 pin 1⅜" or 1¾" dr.
CI	B202-812	Cylinder body, 5 pin
	B202-814	Cylinder body, 6 pin
CK	A501-576	Cylinder body, 6 pin (B560, B562)

Deadbolts, Deadlatches

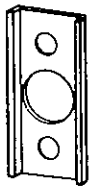




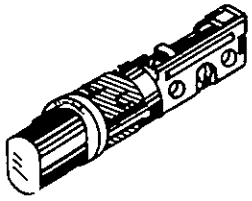
Standard B400/B500 Series
12-073



Standard B100 Series
12-185



Latch Front Adapter
A501-878



Drive-In Circular Front
12-186

Deadbolts

Square adjustable 1⅛" faceplate unless otherwise indicated

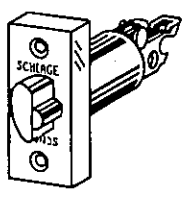
Backset	Bolt Throw	Housing Diameter	Faceplate Description	Part No.	B100 Series ⅞" Hsg., 1" Throw Standard	B400 Series 1" Hsg., 1" Throw Standard	B500 Series 1" Hsg., 1" Throw Standard
1¾"	9/16"	1"	1⅛"	12-175	•	•	—
	9/16"	1"	Flat, ½" Rabbeted	12-176	•	•	—
2⅜"	1"	⅞"	1", Standard B100	12-185	•	—	—
	1"	1"	Flat, Circular (Drive-in)	12-186	•	•	•
	1"	⅞"	1", ¼" Rad Rd. Corner	12-189	•	—	—
	1"	1"	1⅛", B100 Bolt Conversion	*12-191	•	—	—
	1"	1"	Standard B400 & B500	12-073	—	•	•
	1"	1"	Flat, ½" Rabbeted	12-075	—	•	•
2¾"	1"	⅞"	1"	12-187	•	—	—
	1"	1"	Flat, Circular (Drive-in)	12-188	•	•	•
	1"	⅞"	1", ¼" Rad. Rd. Corner	12-190	•	—	—
	1"	1"	1⅛", B100 Bolt Conversion	*12-192	•	—	—
	1"	1"	1⅛"	12-076	—	•	•
	1"	1"	Flat, ½" Rabbeted	12-078	—	•	•
3¾"	1"	1"	1⅛"	12-079	—	•	•
5"	1"	1"	1⅛"	12-082	—	•	•

*Includes A501-878 latch front adapter & G506-815 housing sleeve

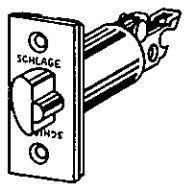
Deadlatches

Square adjustable 1⅛" faceplate unless otherwise indicated

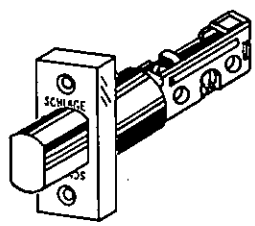
					B200 Series
2⅜"	9/16"	1"	1⅛", Standard	12-100	•
	9/16"	1"	Flat, ½" Rabbeted	12-102	•
2¾"	9/16"	1"	1⅛"	12-103	•
	9/16"	1"	Flat, ½" Rabbeted	12-105	•



Rabbeted Front Deadlatch
12-102

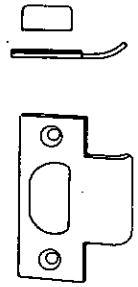


Standard B200
12-100 Deadlatch

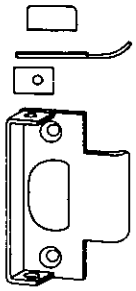


Rabbeted Front Deadbolt
12-075

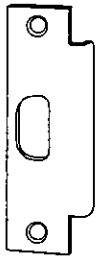
Strikes



Standard
for Deadlatches
10-001



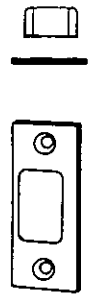
Rabbeted
for Deadlatches
10-003



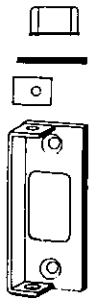
ANSI
for Deadlatches
10-025

Strikes

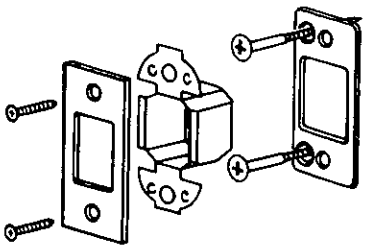
Description	Lip Length	Number
Box, Standard, Latches	1⅛″	10-001
Special Lip	1″ or 1¼″	10-001
Special Lip	1½″, 1¾″ or 2″	10-001
½″ Rabbeted -	1⅛″	10-003
¼″ Radius Rounded Corner	1⅛″	10-004
Raised Lip ¼″	1⅛″	10-006
ANSI, 1¾″ Doors, 1¼″×4⅞″	$1^3/_{16}$″	10-025
ANSI, Special Lip	1″, 1¼″ or 1⅜″	10-025
Box, Standard, All Deadbolts	—	10-055
½″ Rabbeted, Deadbolts	—	10-057
Circular Adj., 1¾″ Diameter		10-058
ANSI, Special 1¼″×4⅞″	$1^3/_{16}$″	10-087
Circular, All Deadbolts		10-064
Strike Reinforcer, All Deadbolts		37-016



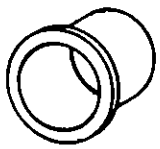
Standard
for Deadbolts
10-055



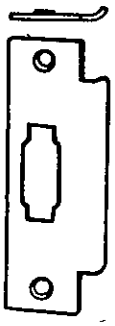
Rabbeted
for Deadbolts
10-057



Strike
Reinforcer
37-016



Circular
All Deadbolts
10-064



ANSI
for Deadbolts
10-087

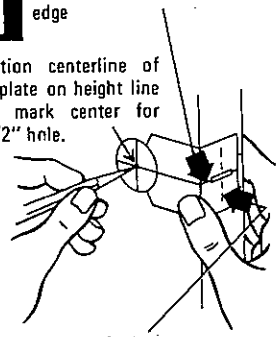
SCHLAGE B/Installation Instructions

For B160P, B250PD, B251PD, B260P, B261P, B263P, B450PD, B451PD, B460P, B461P & B463P Single cylinder locks

1 MARK DOOR

Mark height line on door edge

Position centerline of template on height line and mark center for 1 1/2" hole.

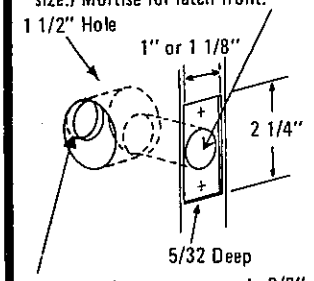


Mark center of door thickness on height line for latch hole.

2 BORE TWO HOLES

Bore 1 1/2" hole from both sides of door

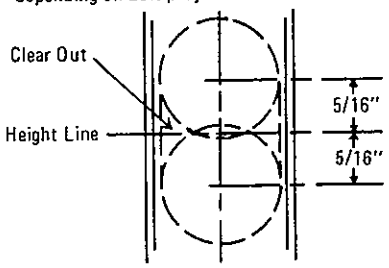
Bore 7/8" or 1" hole into door edge. (Check latch for proper size.) Mortise for latch front.



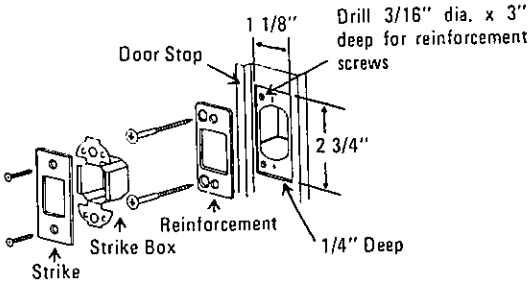
Latch hole must extend 3/8" beyond 1 1/2" hole.

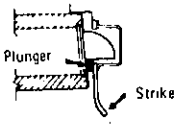
3 INSTALL STRIKE & REINFORCEMENT

Mark jamb exactly opposite center of latch hole. Bore two 1" holes 5/16" above and below height line to a depth of 11/16" or 1 1/8" depending on bolt projection.



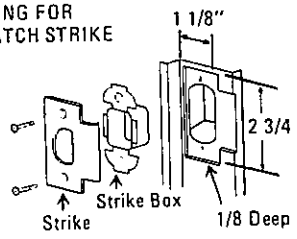
MORTISING FOR DEADBOLT STRIKE





NOTE: Plunger must not enter strike opening.

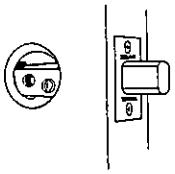
MORTISING FOR DEADLATCH STRIKE

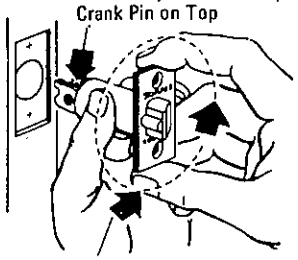


4 INSERT LATCH

DEADBOLT

Throw bolt then insert latch in door. If resistance is met while inserting do not exert pressure on bolt. Press firmly on latch faceplate.

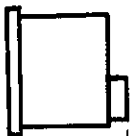




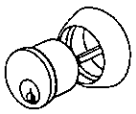
Swivel latch front to suit swing of door.

5 SELECT RINGS

Select proper cylinder rings to adjust for door thickness. Determine type of lock furnished by diagram below.



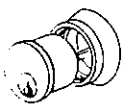
5 Pin Lock



Use large ring

1 3/4" doors

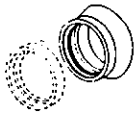
6 Pin Lock



Use both rings

Use both rings

1 3/8" doors

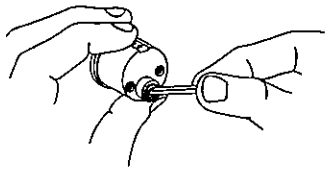


Use two small rings and large ring.
Additional small ring furnished only when 6 pin lock for 1 3/8" door is specified.

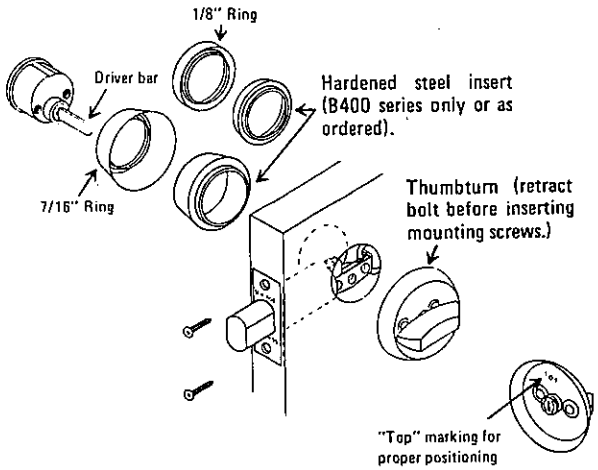
NOTE: Where hardened steel inserts are furnished they must be kept inside the trim rings.

6 INSERT CYLINDER AND TRIM

With key removed, insert cylinder into rings, driver bar into latch and slide thumbturn over driver bar.



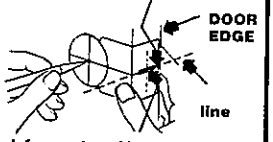
Engage driver bar to cylinder by holding bar flat, and inserting by tipping into cylinder opening, then rotating bar to vertical position.



FOR B560 SINGLE CYLINDER LOCK AND B562 DOUBLE CYLINDER LOCK

1 MARK DOOR

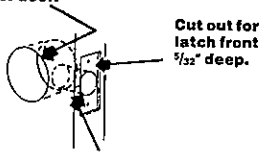
Mark for 2 1/8" hole using template furnished.



Mark for center of latch hole on height line. Mark in center of door edge.

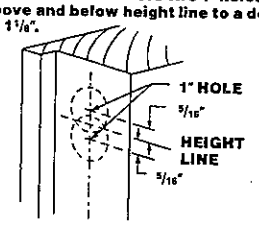
2 BORE TWO HOLES

Bore a 2 1/8" hole from both sides of door.

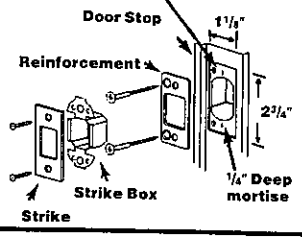


3 INSTALL STRIKE & REINFORCEMENT

Mark jamb exactly opposite center line of latch hole. Bore two 1" holes 5/16" above and below height line to a depth of 1 1/8".

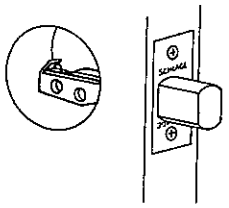


Drill 3/16" dia. x 3" deep for reinforcement screws.



4 INSERT DEADBOLT

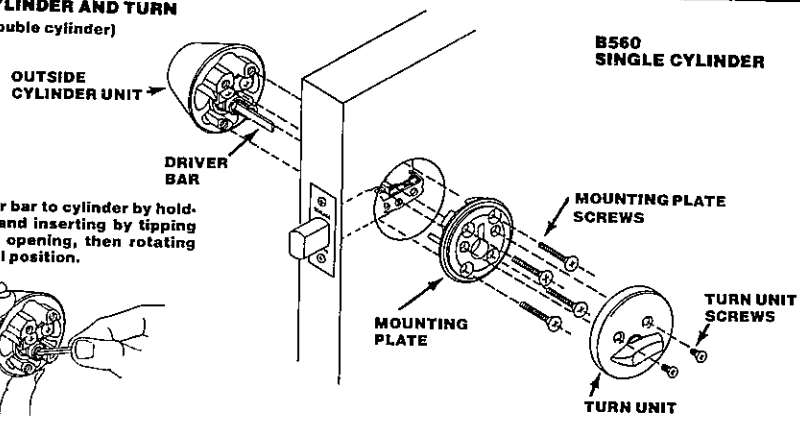
With bolt thrown, insert latch in door as shown and fasten with screws. Press firmly on latch faceplate if resistance is met.



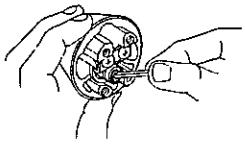
5 INSTALL CYLINDER AND TURN

(See 5A for double cylinder)

B560 SINGLE CYLINDER

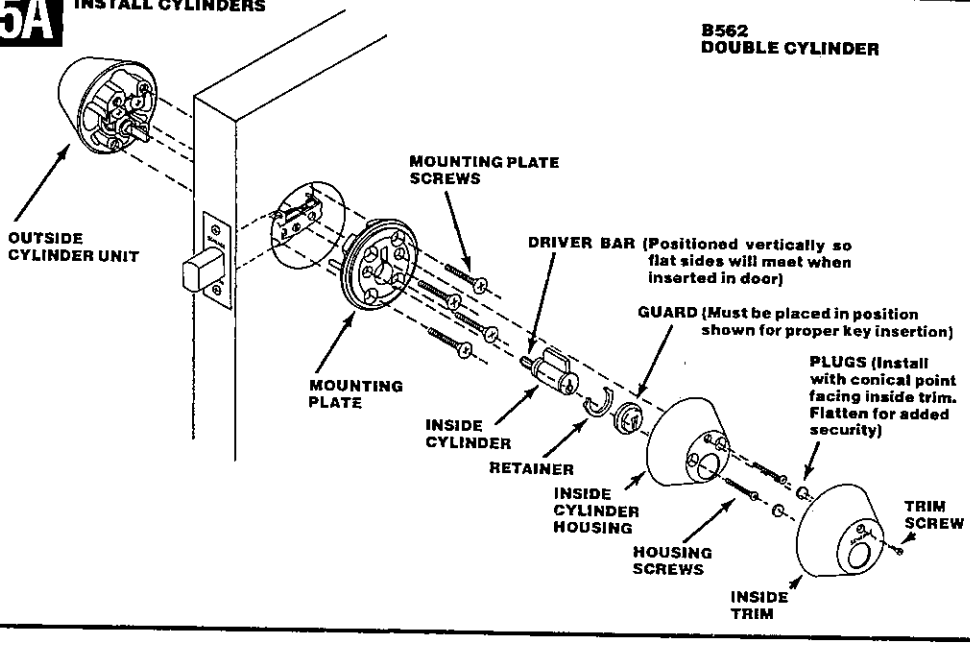


Engage driver bar to cylinder by holding bar flat, and inserting by tipping into cylinder opening, then rotating bar to vertical position.



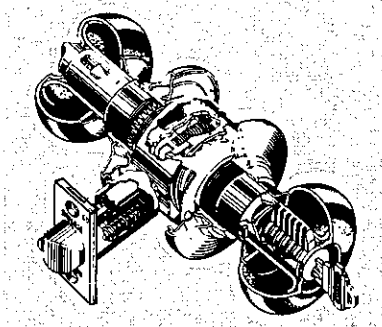
5A INSTALL CYLINDERS

B562 DOUBLE CYLINDER



Index

Series Locks **D**

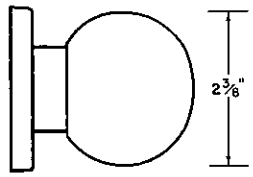


MISCELLANEOUS INFORMATION

For items not listed or listed as discontinued in this Technical Manual contact the factory for availability or allowable substitutions.

Parts listed in this manual are for standard "D" locks for 1⅜" to 2" thick doors.

Locks are automatically shipped with 1⅛" lip strikes for 1⅜" to 1⅞" thick doors. SPECIFY DOOR THICKNESS FOR STRIKES AND LOCK PARTS FOR DOOR THICKNESS OTHER THAN THOSE SHOWN.

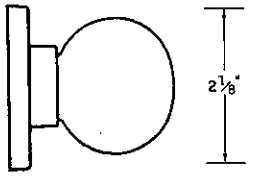


BALL • GLOBE • SPHERE
One piece knob no separate knob sleeve.

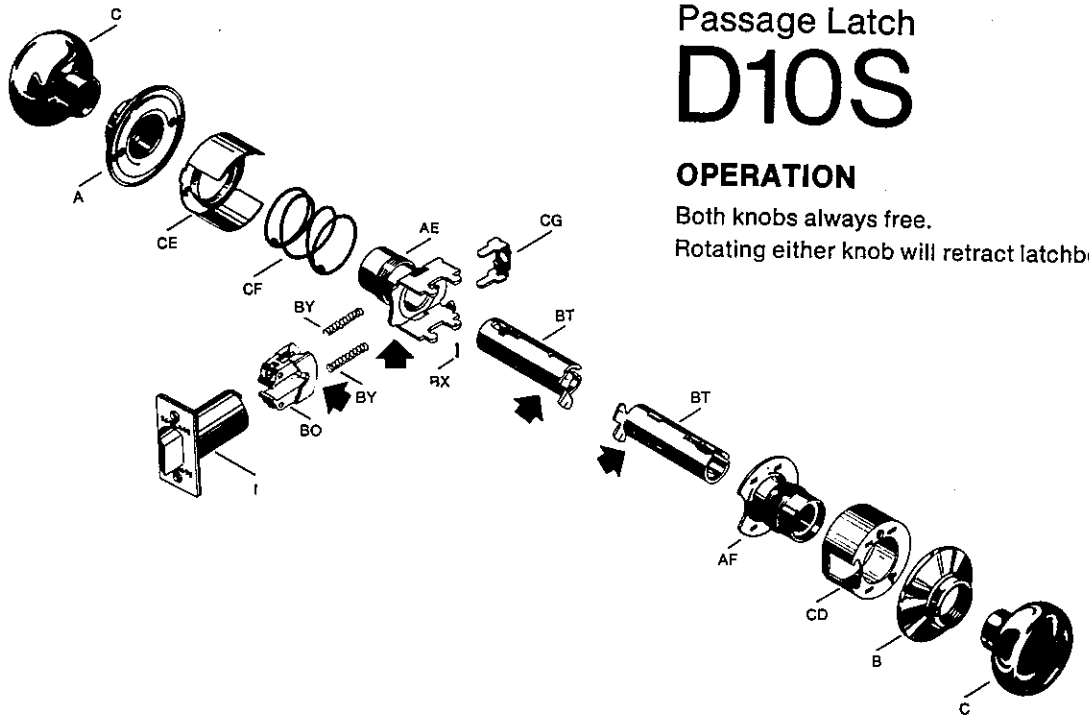
BALL, GLOBE, SPHERE AND TREND DESIGNS

Require parts that are standard for these designs only, i.e. Spindles, Plungers, and longer Cylinder Bars.

When ordering parts, Design and Door Thickness must be specified.



ORBIT • COMET • PLANET
Uses standard "D" chassis parts.



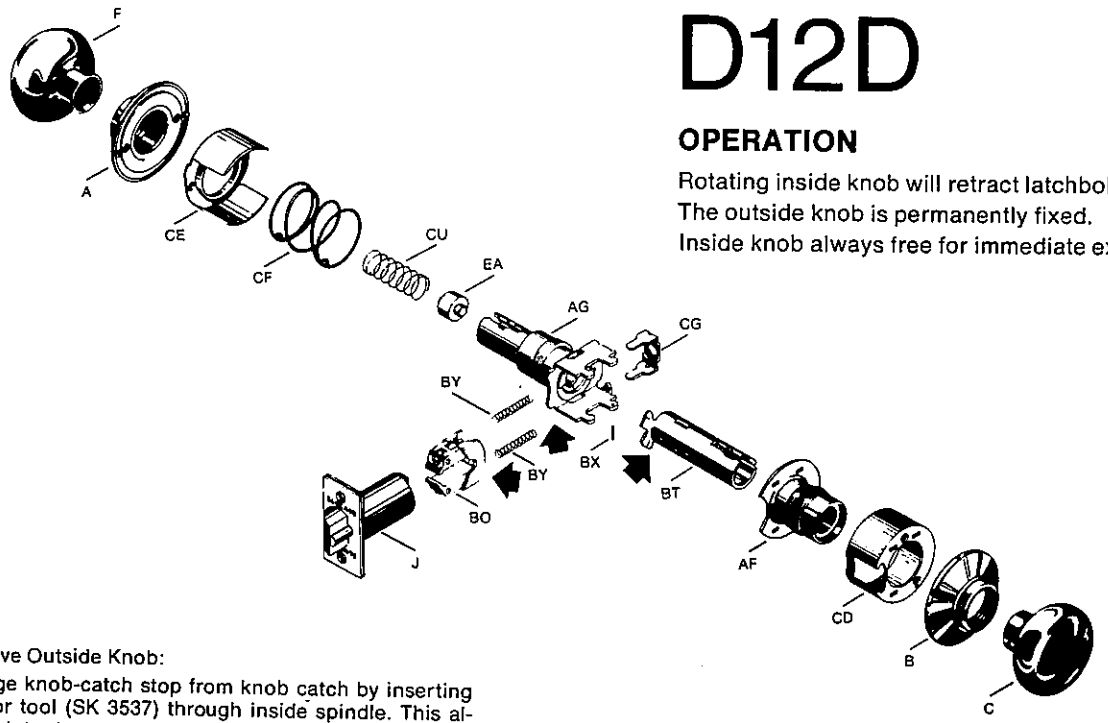
Passage Latch

D10S

OPERATION

Both knobs always free.
Rotating either knob will retract latchbolt.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



Exit Lock

D12D

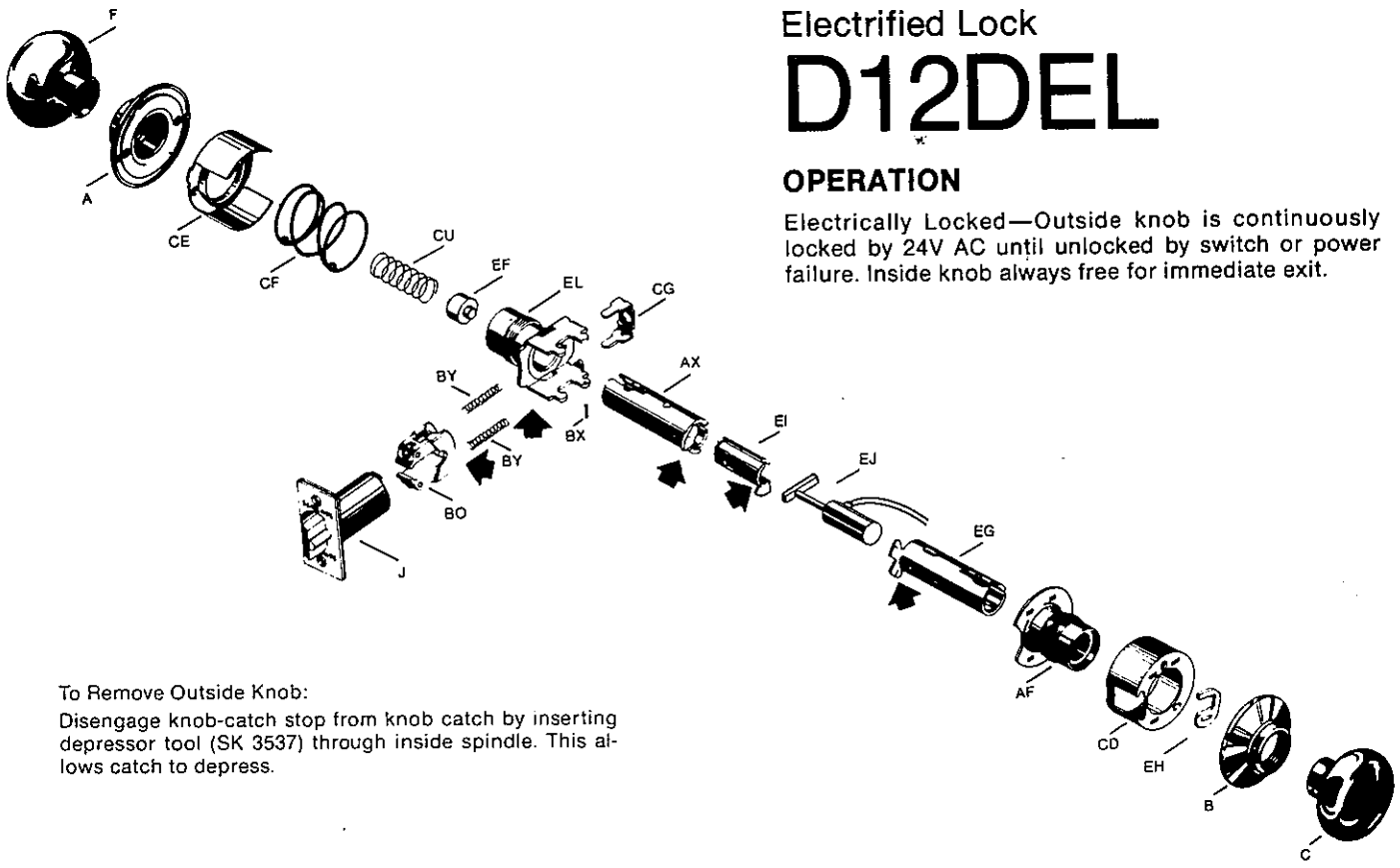
OPERATION

Rotating inside knob will retract latchbolt.
The outside knob is permanently fixed.
Inside knob always free for immediate exit.

To Remove Outside Knob:
Disengage knob-catch stop from knob catch by inserting depressor tool (SK 3537) through inside spindle. This allows catch to depress.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Electrified Lock

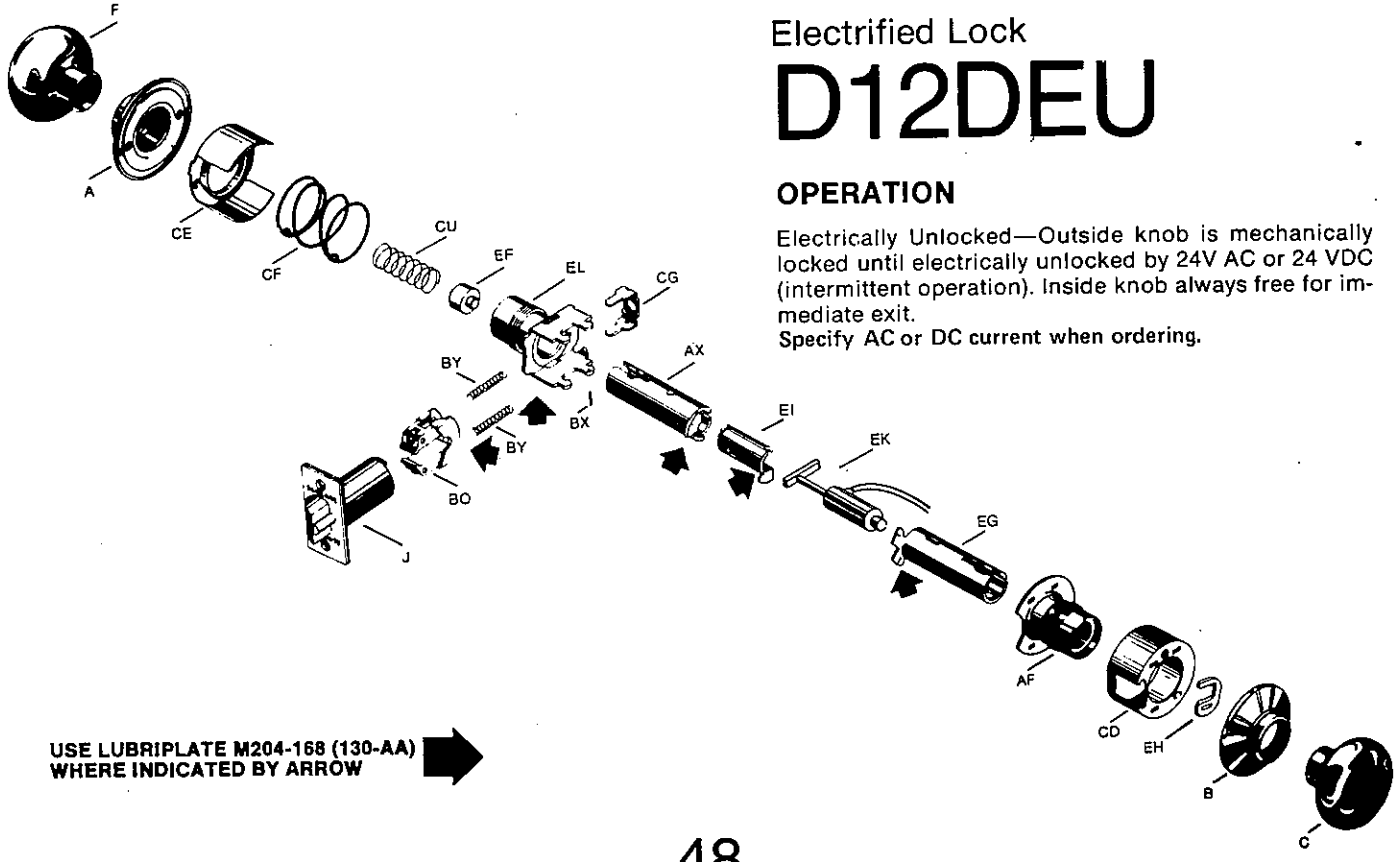
D12DEL

OPERATION

Electrically Locked—Outside knob is continuously locked by 24V AC until unlocked by switch or power failure. Inside knob always free for immediate exit.

To Remove Outside Knob:
Disengage knob-catch stop from knob catch by inserting depressor tool (SK 3537) through inside spindle. This allows catch to depress.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



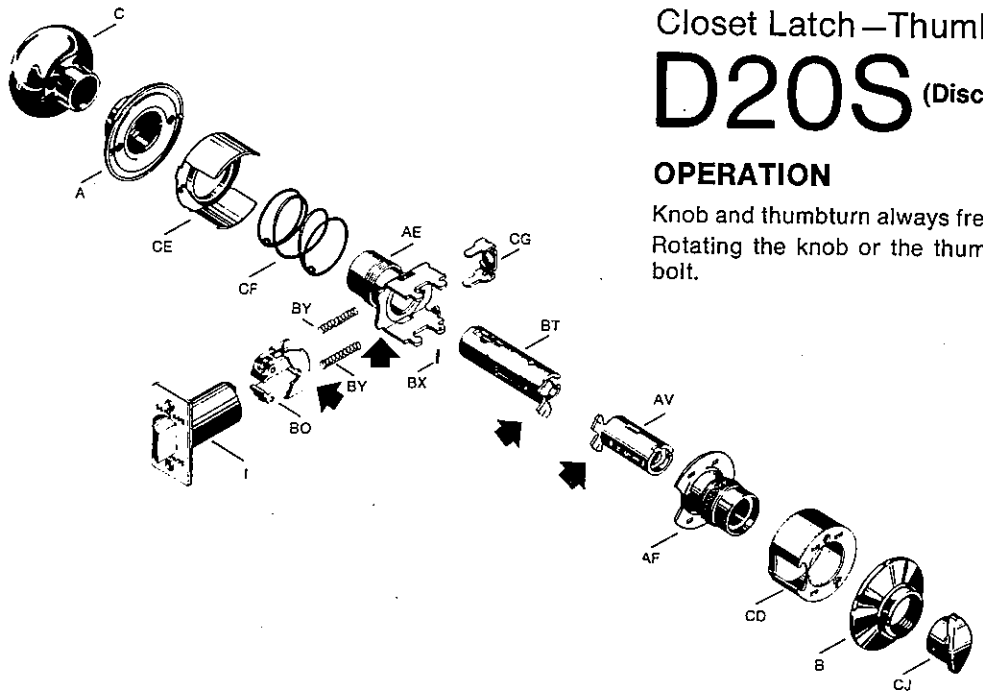
Electrified Lock

D12DEU

OPERATION

Electrically Unlocked—Outside knob is mechanically locked until electrically unlocked by 24V AC or 24 VDC (intermittent operation). Inside knob always free for immediate exit.
Specify AC or DC current when ordering.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW



Closet Latch—Thumbturn Inside

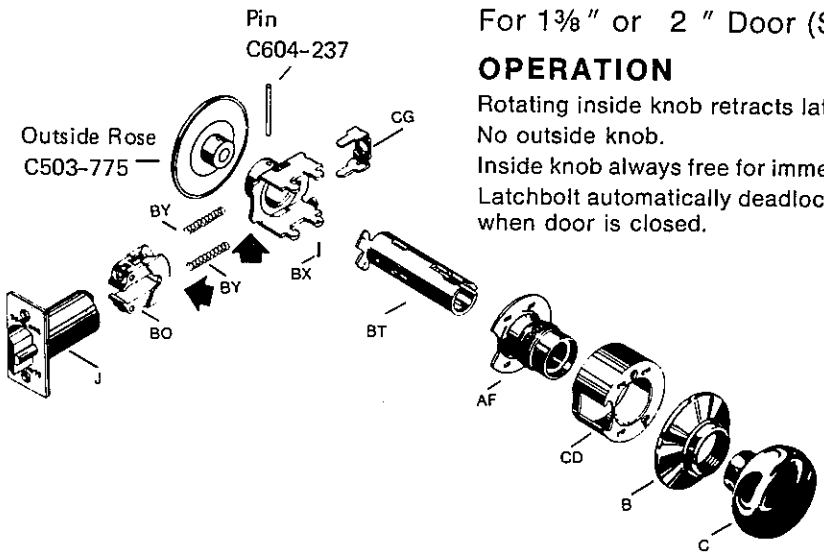
D20S (Discontinued)

OPERATION

Knob and thumbturn always free.

Rotating the knob or the thumbturn will retract latchbolt.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



Exit Lock

D25D

For 1⅜" or 2" Door (Specify)

OPERATION

Rotating inside knob retracts latchbolt.

No outside knob.

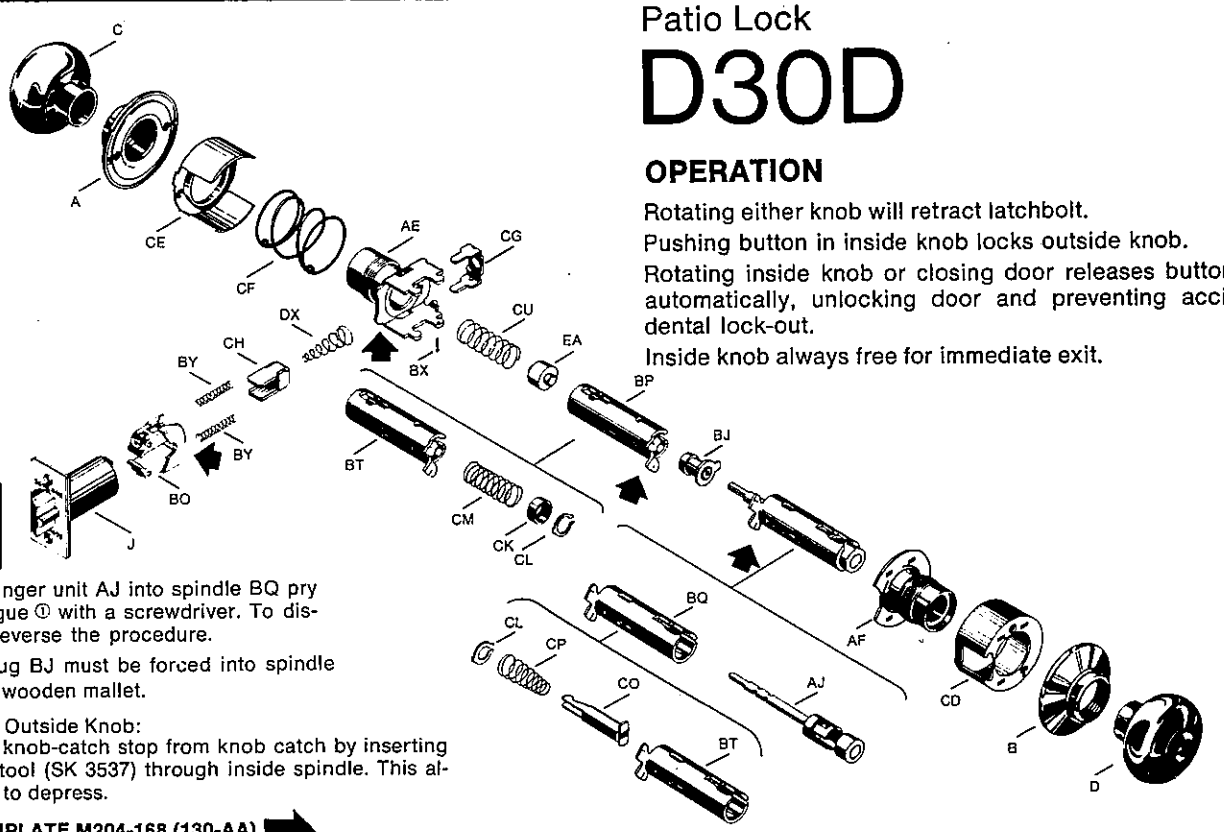
Inside knob always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

Patio Lock

D30D



OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob or closing door releases button automatically, unlocking door and preventing accidental lock-out.

Inside knob always free for immediate exit.

To lock plunger unit AJ into spindle BQ pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BJ must be forced into spindle BP with a wooden mallet.

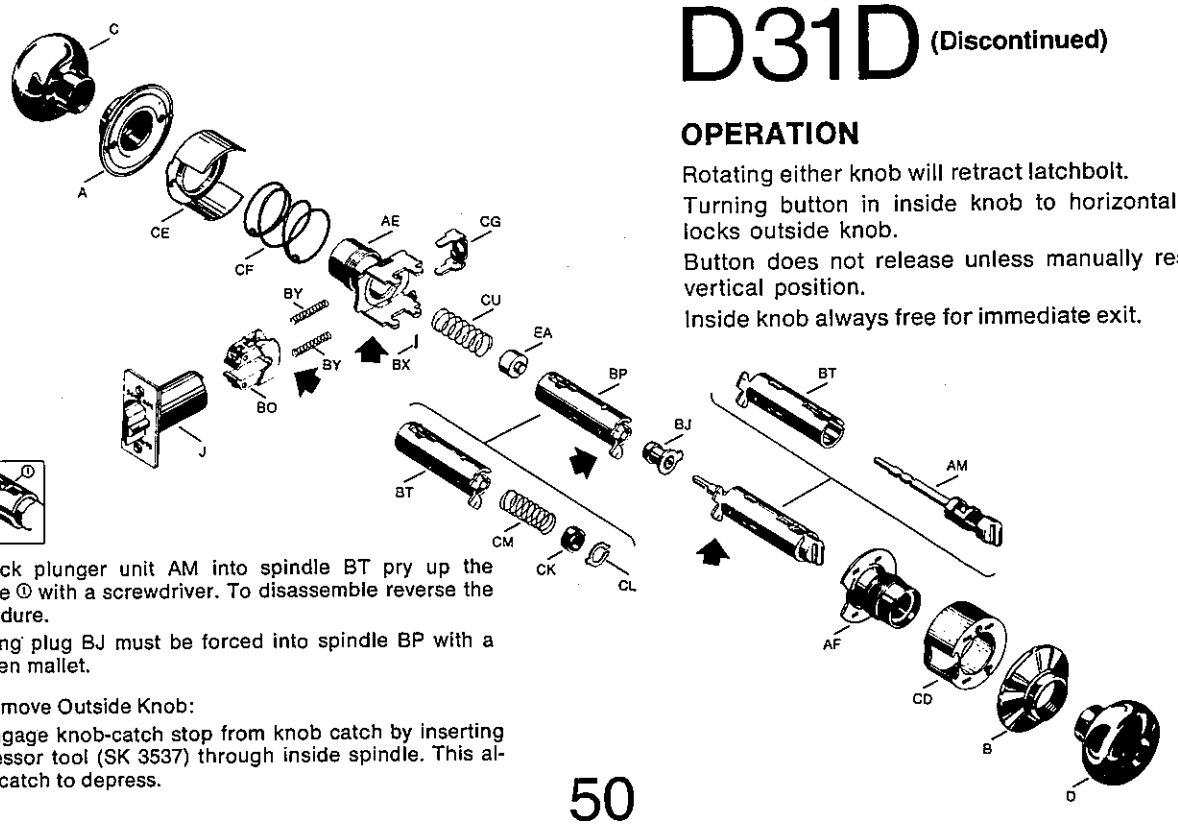
To Remove Outside Knob:
Disengage knob-catch stop from knob catch by inserting depressor tool (SK 3537) through inside spindle. This allows catch to depress.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66

Exit Lock

D31D (Discontinued)



OPERATION

Rotating either knob will retract latchbolt.

Turning button in inside knob to horizontal position locks outside knob.

Button does not release unless manually restored to vertical position.

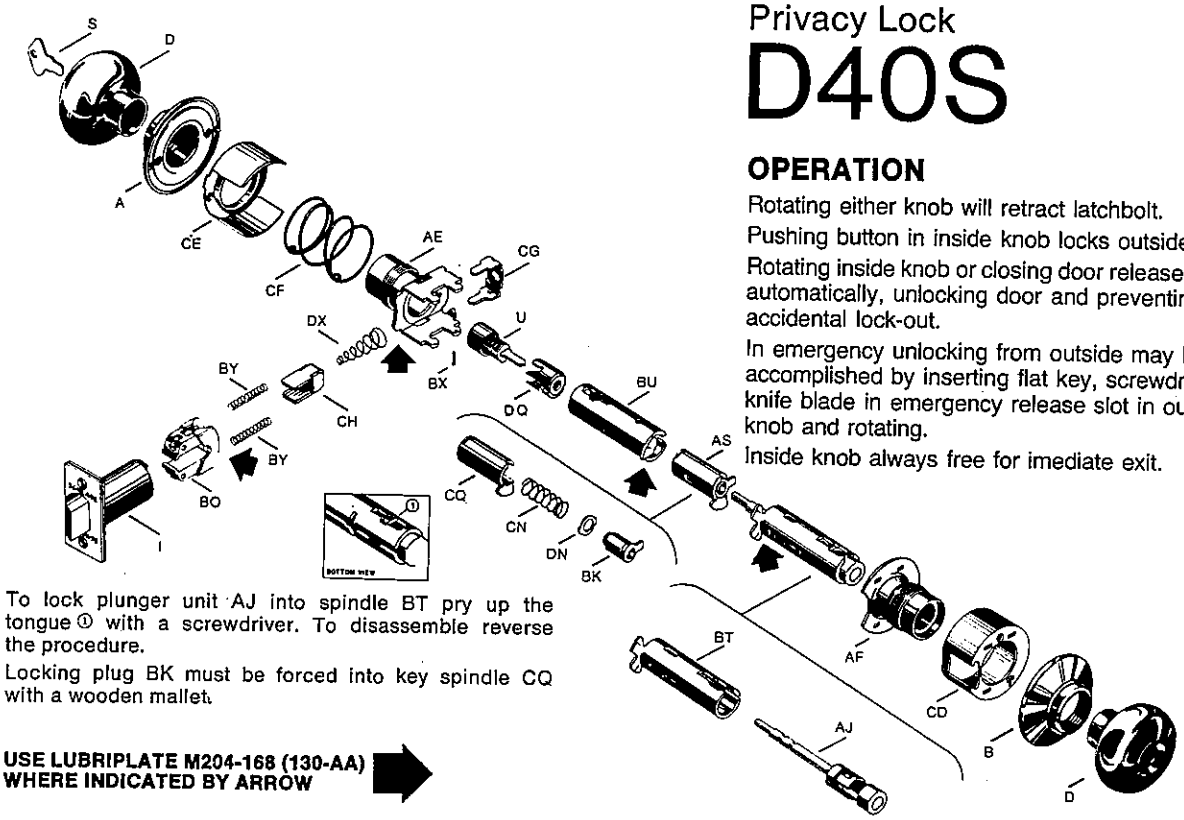
Inside knob always free for immediate exit.

To lock plunger unit AM into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BJ must be forced into spindle BP with a wooden mallet.

To Remove Outside Knob:

Disengage knob-catch stop from knob catch by inserting depressor tool (SK 3537) through inside spindle. This allows catch to depress.



Privacy Lock
D40S

OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob or closing door releases button automatically, unlocking door and preventing accidental lock-out.

In emergency unlocking from outside may be accomplished by inserting flat key, screwdriver or knife blade in emergency release slot in outside knob and rotating.

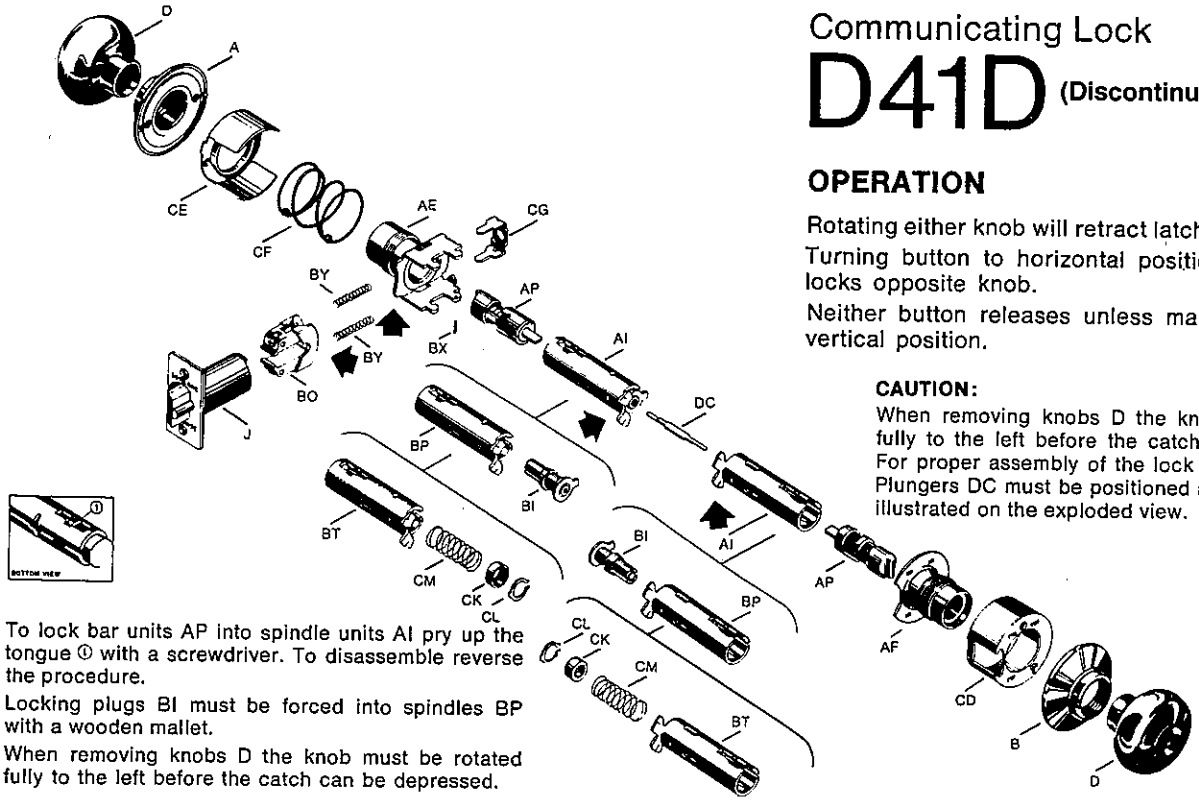
Inside knob always free for imediate exit.

To lock plunger unit AJ into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64 , 65 , 66



Communicating Lock
D41D (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.

Turning button to horizontal position in either knob locks opposite knob.

Neither button releases unless manually restored to vertical position.

CAUTION:
When removing knobs D the knob must be rotated fully to the left before the catch can be depressed. For proper assembly of the lock the long tongues of Plungers DC must be positioned at opposite ends, as illustrated on the exploded view.

To lock bar units AP into spindle units AI pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plugs BI must be forced into spindles BP with a wooden mallet.

When removing knobs D the knob must be rotated fully to the left before the catch can be depressed.

SCHLAGE Assembly Chart

Hospital Privacy Lock

D44S

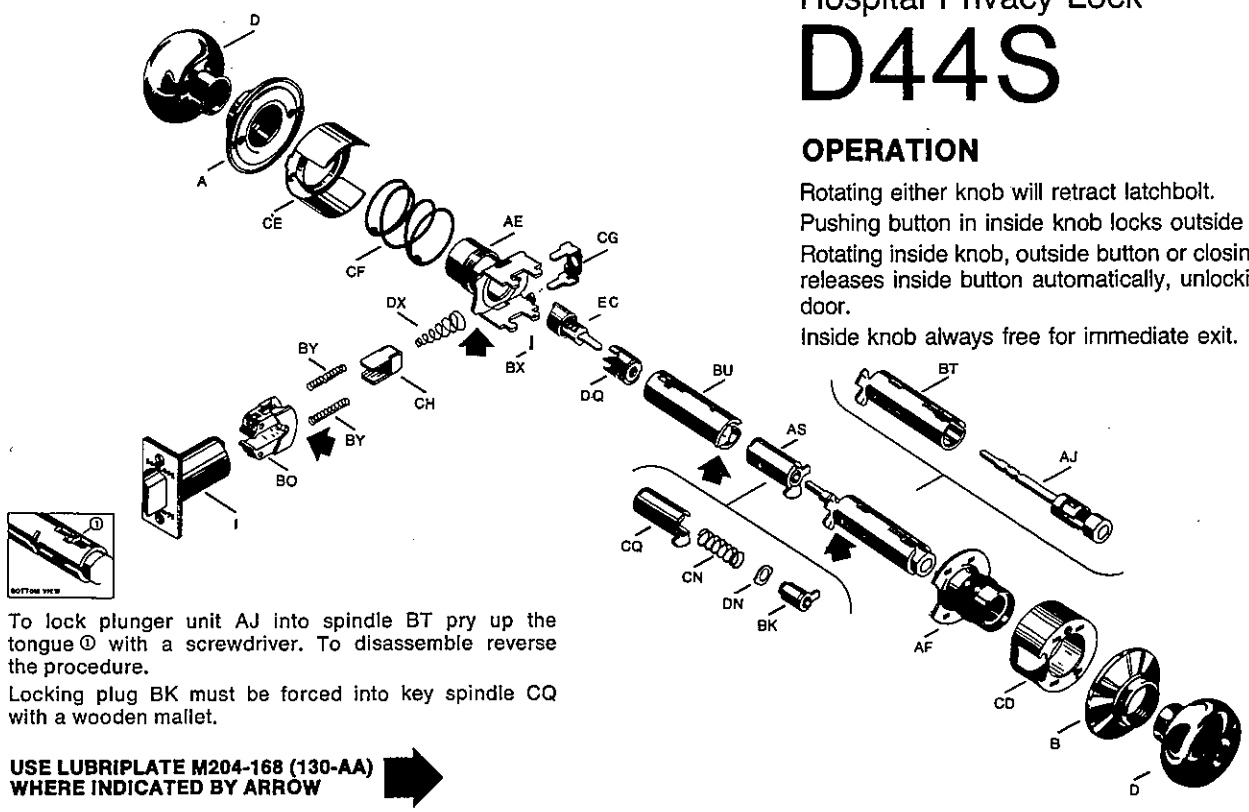
OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob, outside button or closing door releases inside button automatically, unlocking door.

Inside knob always free for immediate exit.



To lock plunger unit AJ into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66

Office Lock

D50PD **(Discontinued)**

OPERATION

Rotating either knob will retract latchbolt.

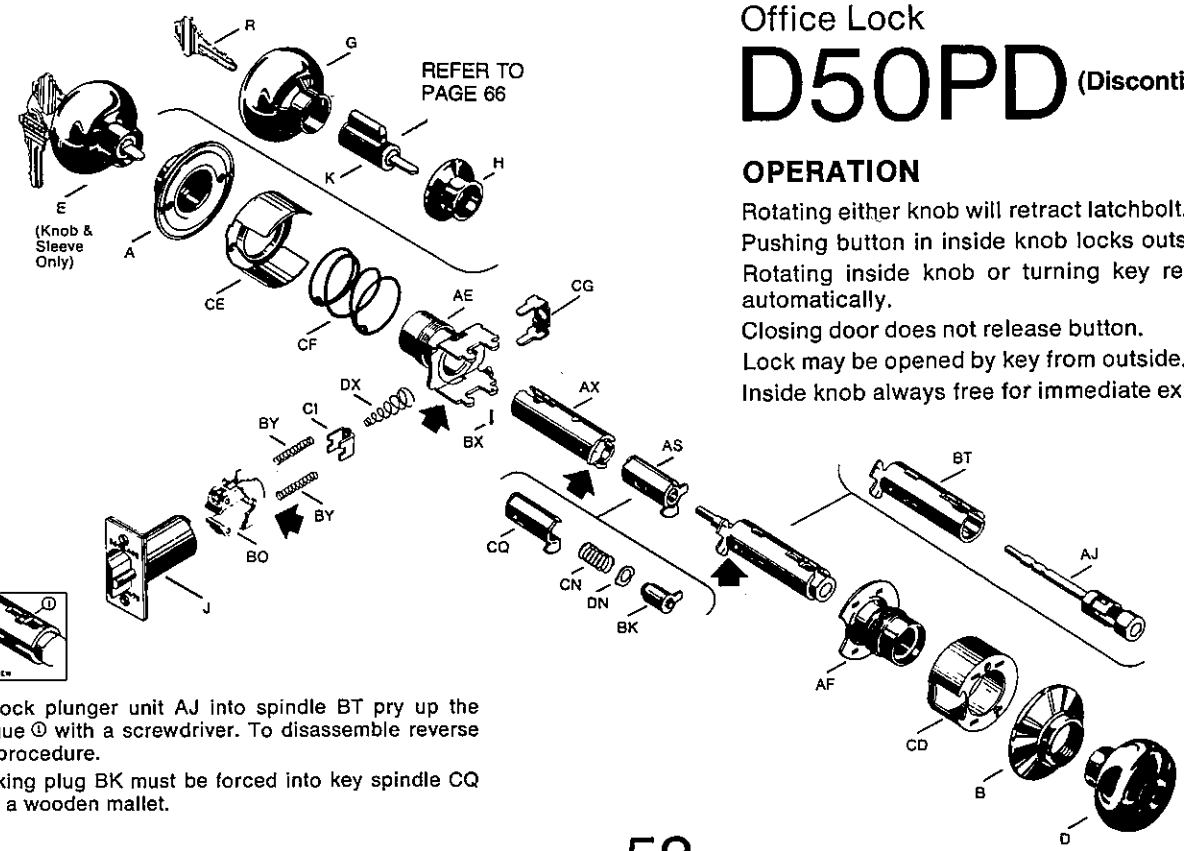
Pushing button in inside knob locks outside knob.

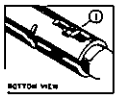
Rotating inside knob or turning key releases button automatically.

Closing door does not release button.

Lock may be opened by key from outside.

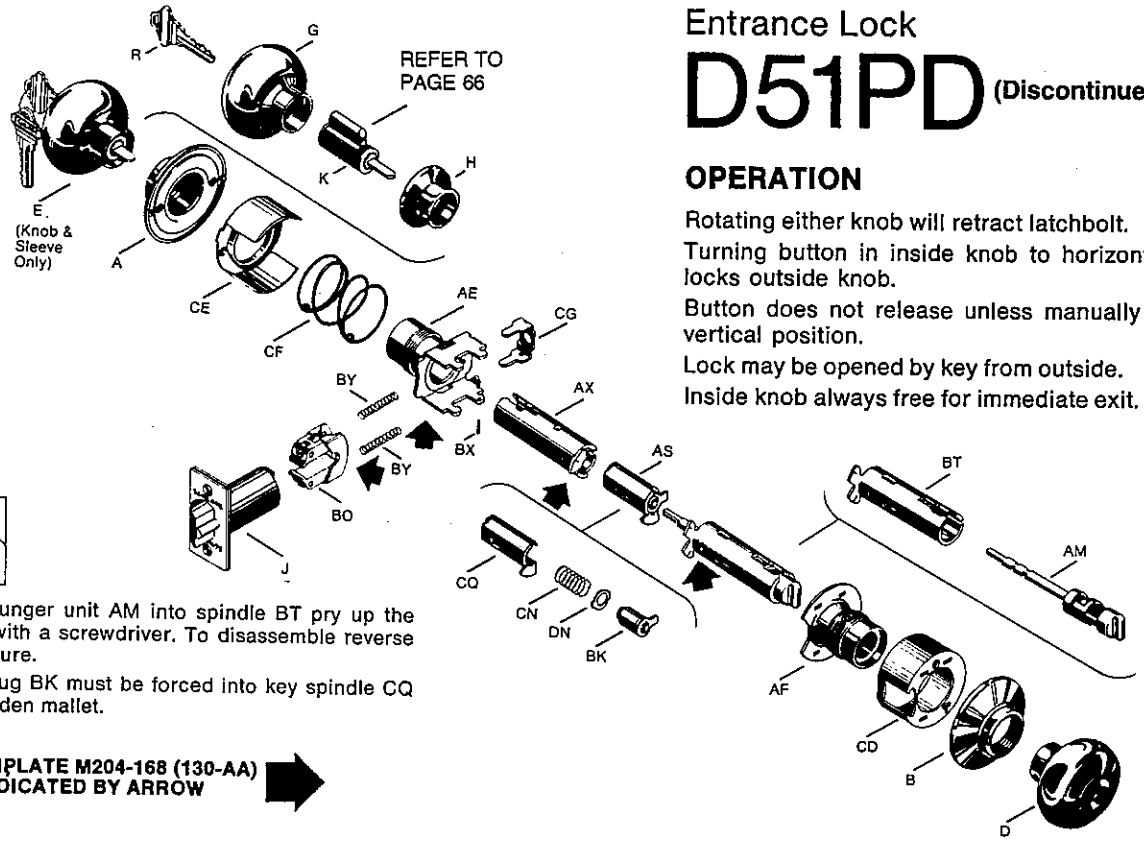
Inside knob always free for immediate exit.





To lock plunger unit AJ into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.



Entrance Lock

D51PD (Discontinued)

OPERATION

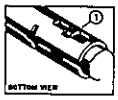
Rotating either knob will retract latchbolt.

Turning button in inside knob to horizontal position locks outside knob.

Button does not release unless manually restored to vertical position.

Lock may be opened by key from outside.

Inside knob always free for immediate exit.

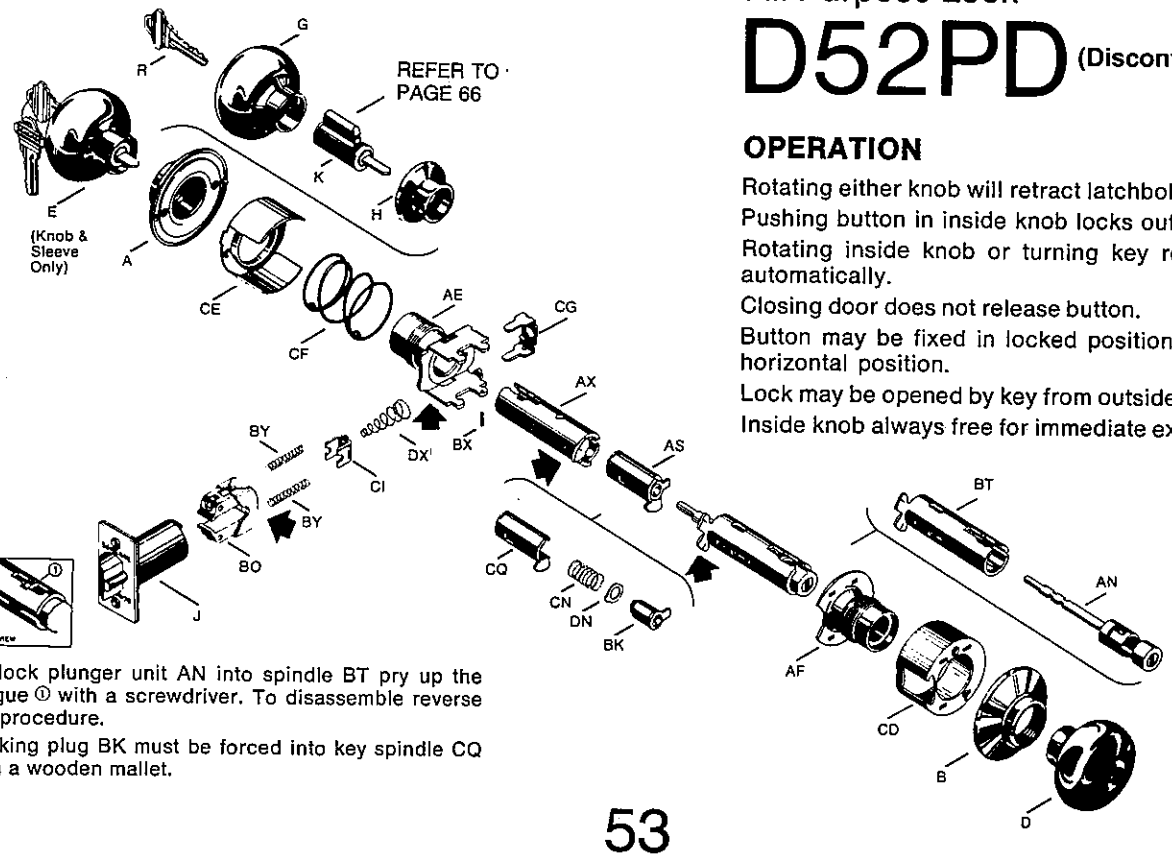


To lock plunger unit AM into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



All-Purpose Lock

D52PD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

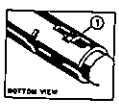
Rotating inside knob or turning key releases button automatically.

Closing door does not release button.

Button may be fixed in locked position by rotating to horizontal position.

Lock may be opened by key from outside.

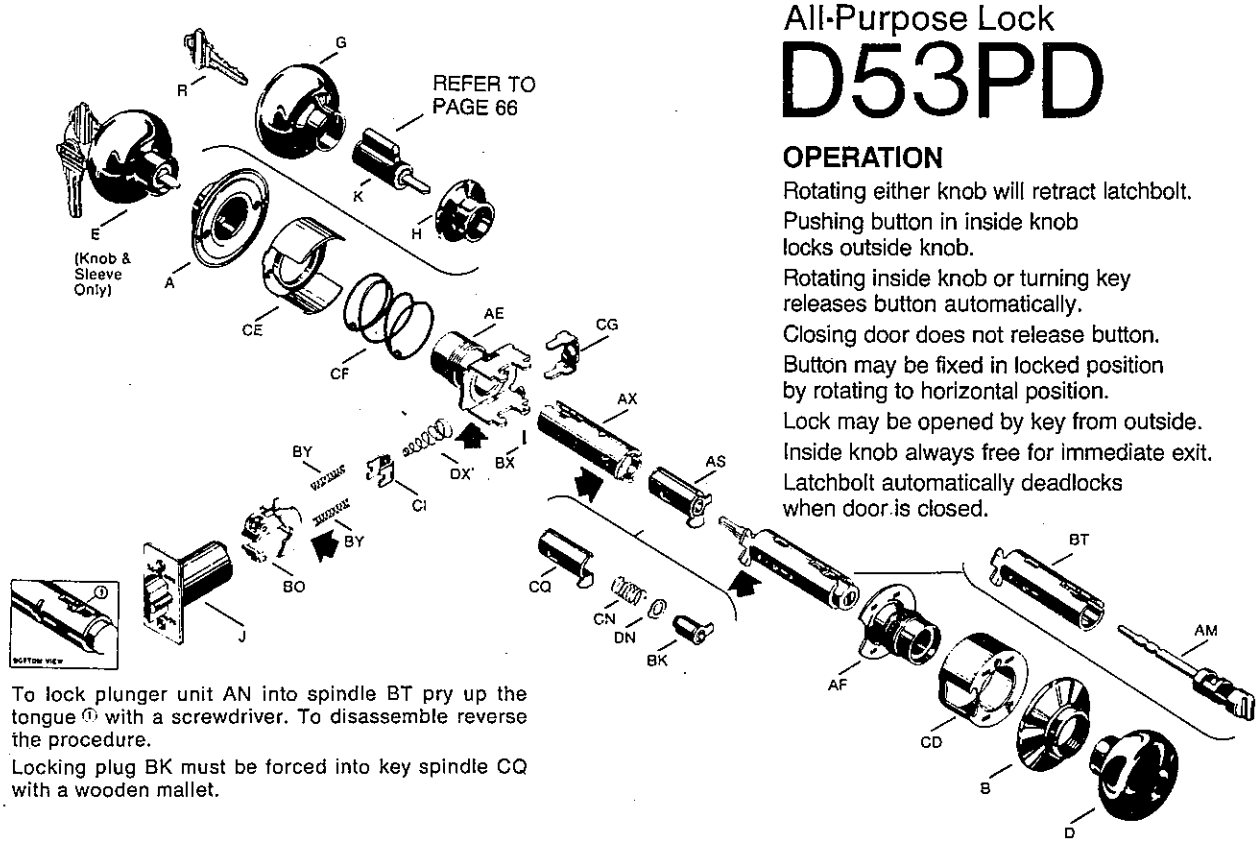
Inside knob always free for immediate exit.



To lock plunger unit AN into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

SCHLAGE Assembly Chart



All-Purpose Lock

D53PD

OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob or turning key releases button automatically.

Closing door does not release button.

Button may be fixed in locked position by rotating to horizontal position.

Lock may be opened by key from outside.

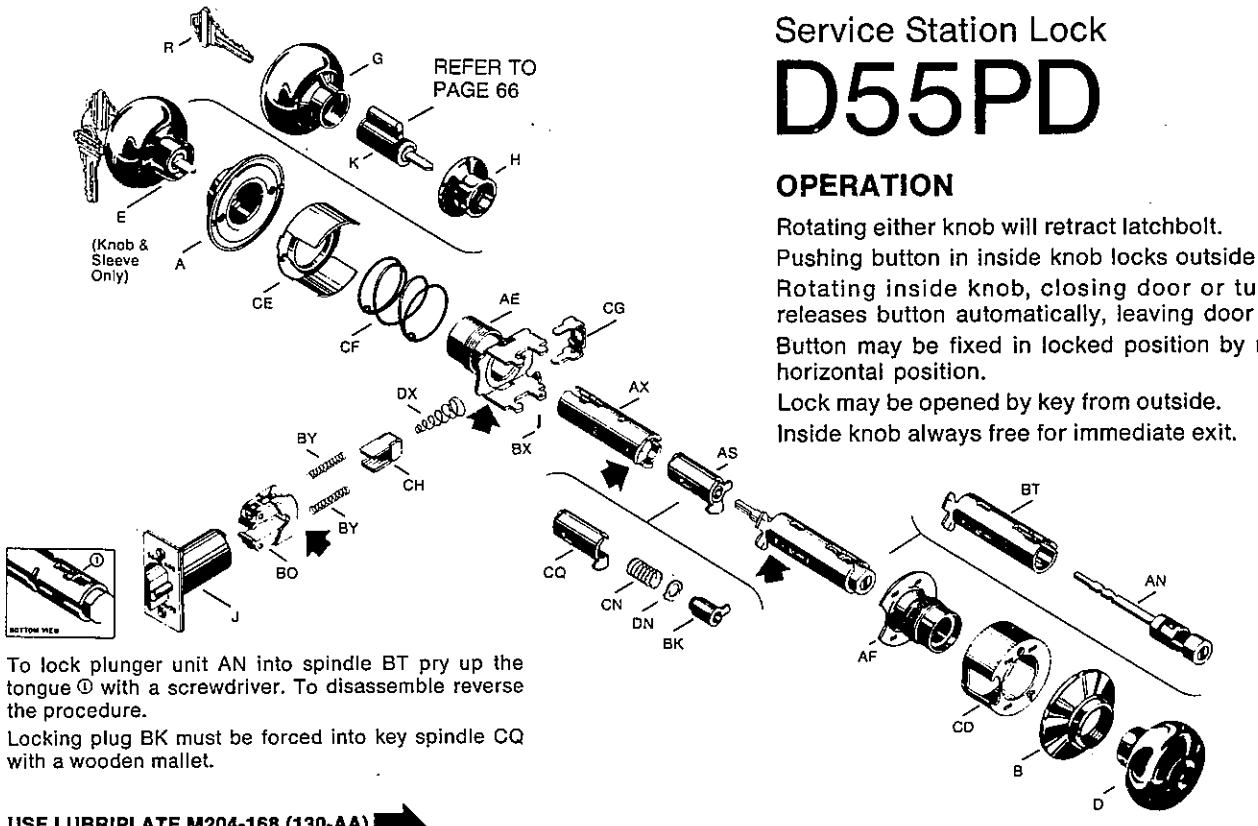
Inside knob always free for immediate exit.

Latchbolt automatically deadlocks when door is closed.

To lock plunger unit AN into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



Service Station Lock

D55PD

OPERATION

Rotating either knob will retract latchbolt.

Pushing button in inside knob locks outside knob.

Rotating inside knob, closing door or turning key releases button automatically, leaving door unlocked.

Button may be fixed in locked position by rotating to horizontal position.

Lock may be opened by key from outside.

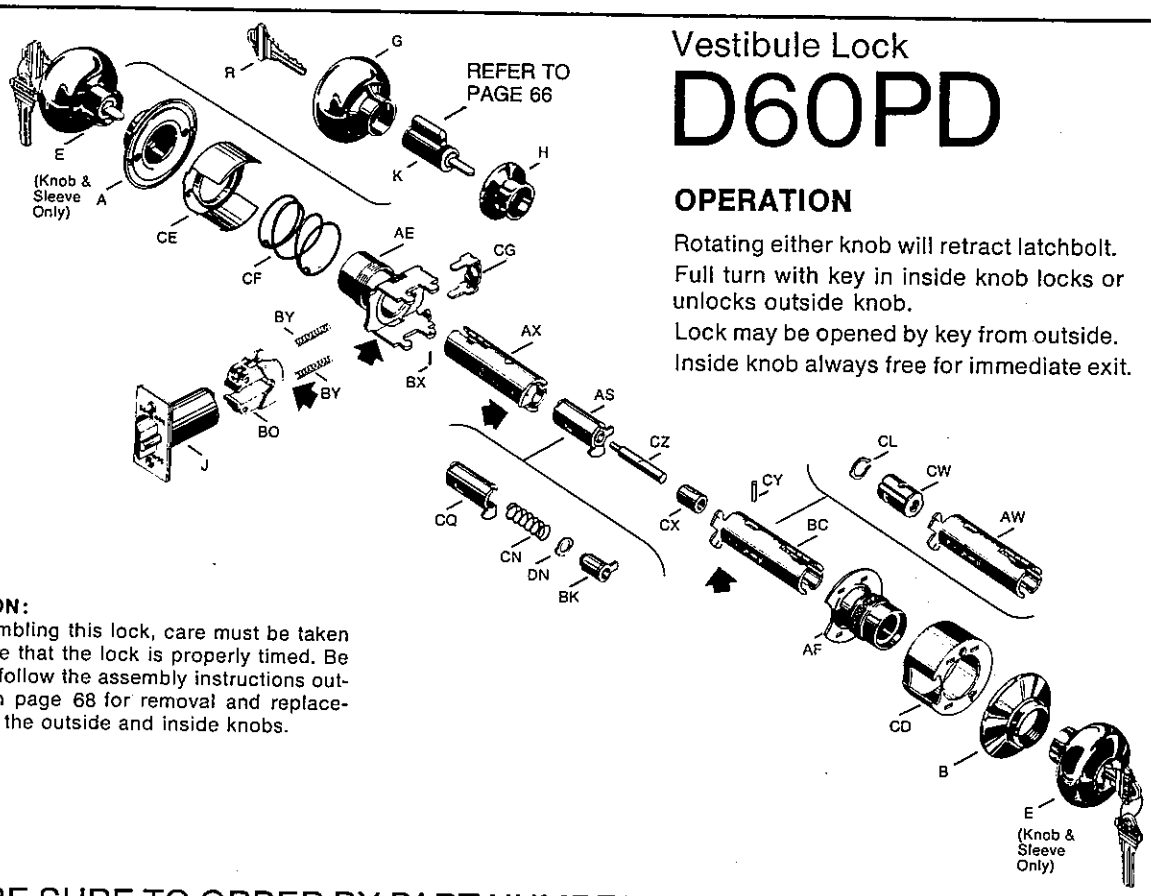
Inside knob always free for immediate exit.

To lock plunger unit AN into spindle BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

Locking plug BK must be forced into key spindle CQ with a wooden mallet.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



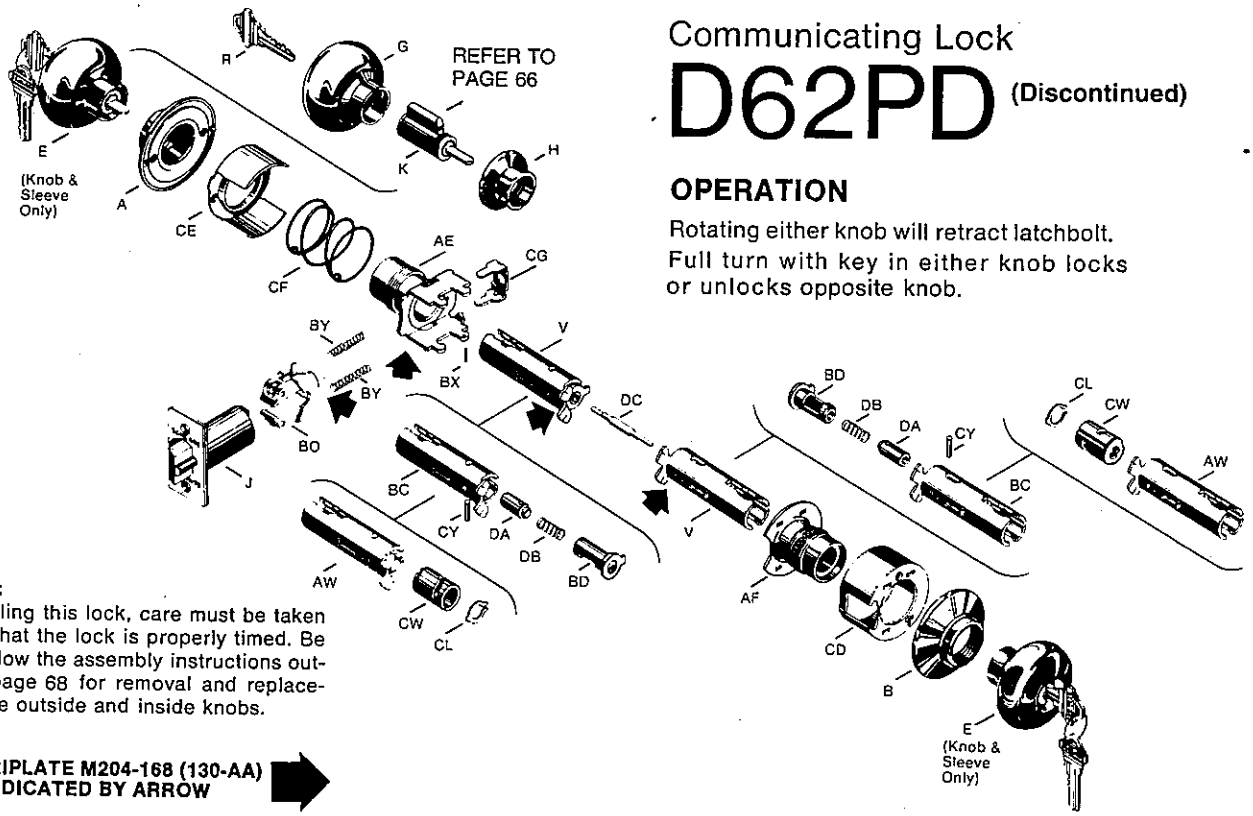
Vestibule Lock
D60PD

OPERATION

Rotating either knob will retract latchbolt.
Full turn with key in inside knob locks or unlocks outside knob.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside and inside knobs.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64 , 65; 66



Communicating Lock
D62PD (Discontinued)

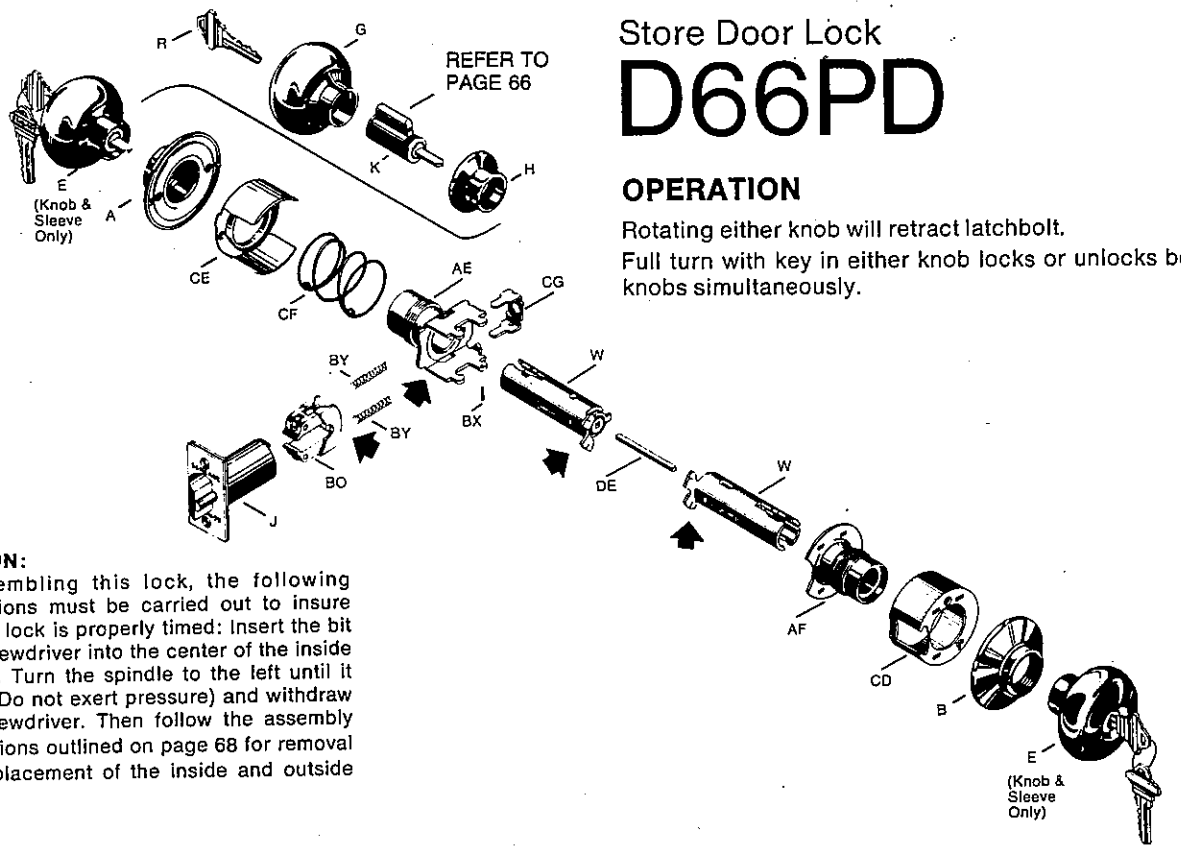
OPERATION

Rotating either knob will retract latchbolt.
Full turn with key in either knob locks or unlocks opposite knob.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside and inside knobs.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Store Door Lock

D66PD

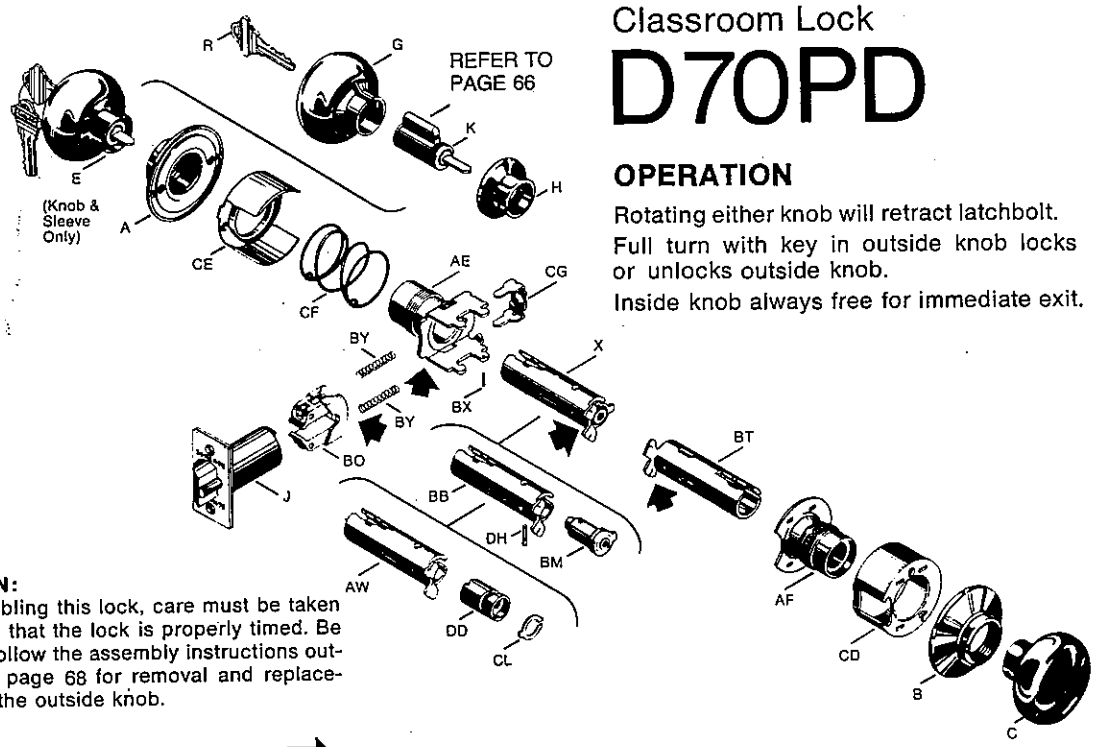
OPERATION

Rotating either knob will retract latchbolt.

Full turn with key in either knob locks or unlocks both knobs simultaneously.

CAUTION:
In assembling this lock, the following instructions must be carried out to insure that the lock is properly timed: Insert the bit of a screwdriver into the center of the inside spindle. Turn the spindle to the left until it stops. (Do not exert pressure) and withdraw the screwdriver. Then follow the assembly instructions outlined on page 68 for removal and replacement of the inside and outside knobs.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



Classroom Lock

D70PD

OPERATION

Rotating either knob will retract latchbolt.

Full turn with key in outside knob locks or unlocks outside knob.

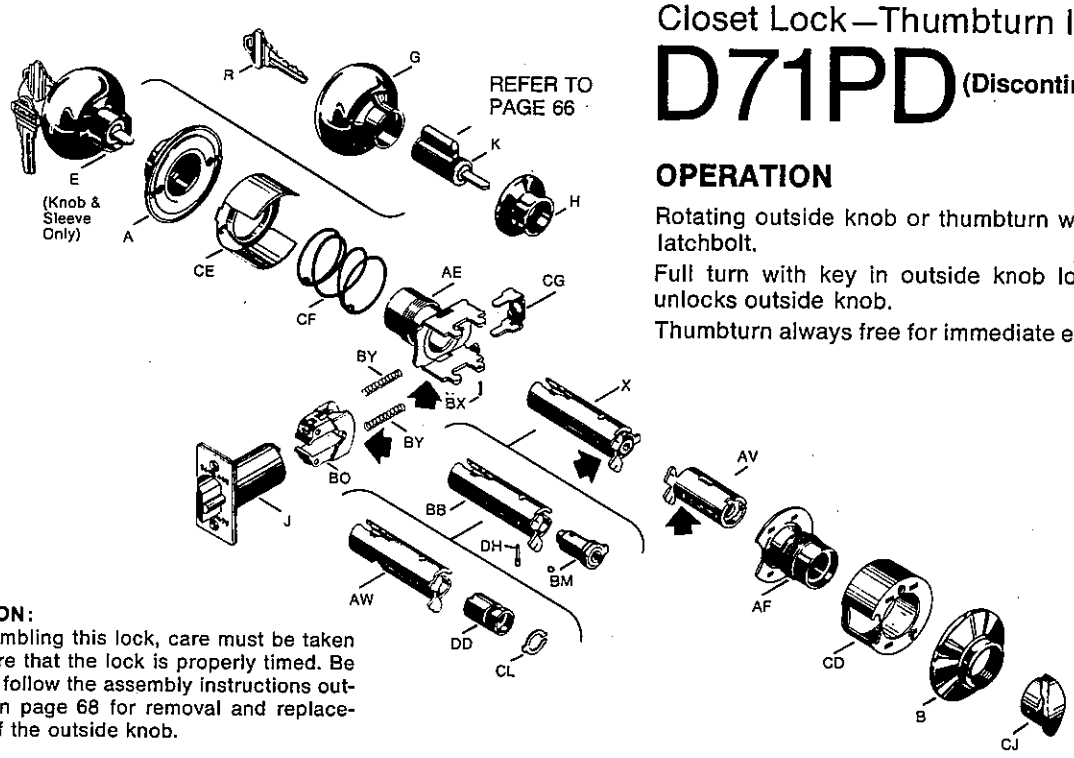
Inside knob always free for immediate exit.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

Closet Lock—Thumbturn Inside

D71PD (Discontinued)



OPERATION

Rotating outside knob or thumbturn will retract latchbolt.

Full turn with key in outside knob locks or unlocks outside knob.

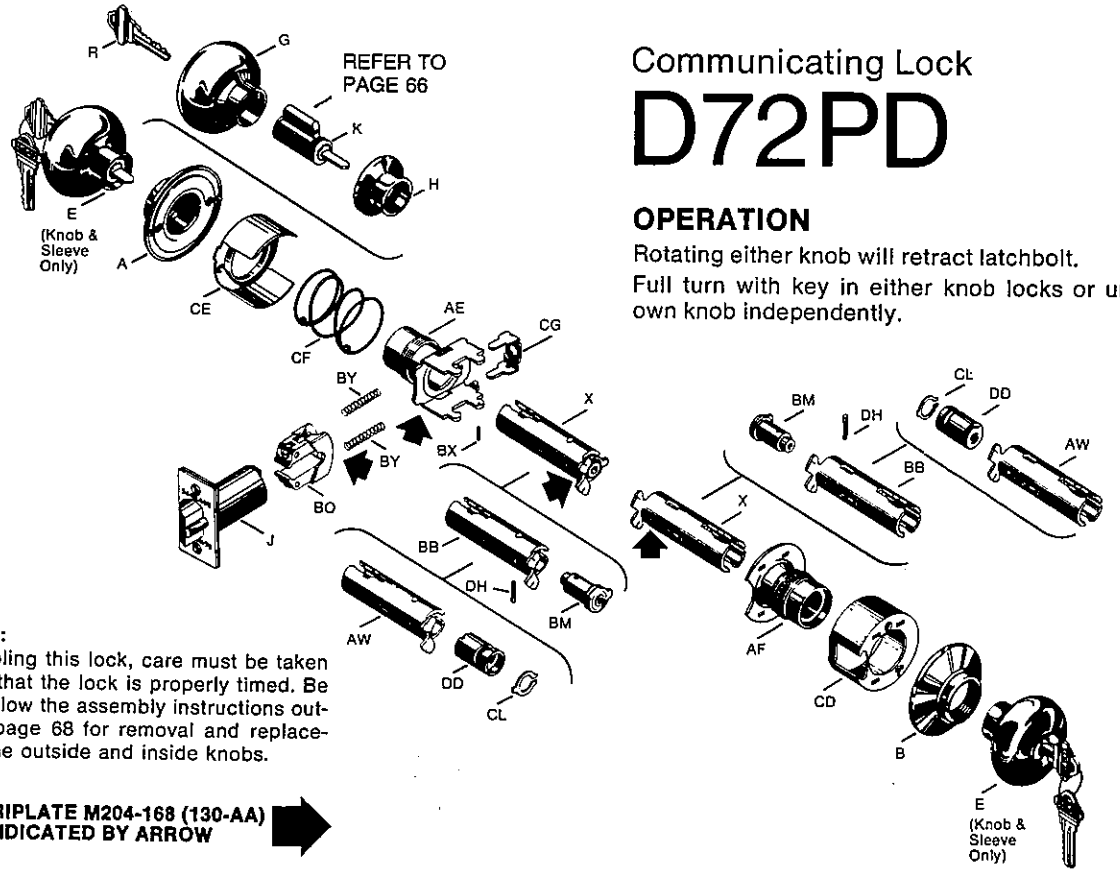
Thumbturn always free for immediate exit.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66

Communicating Lock

D72PD



OPERATION

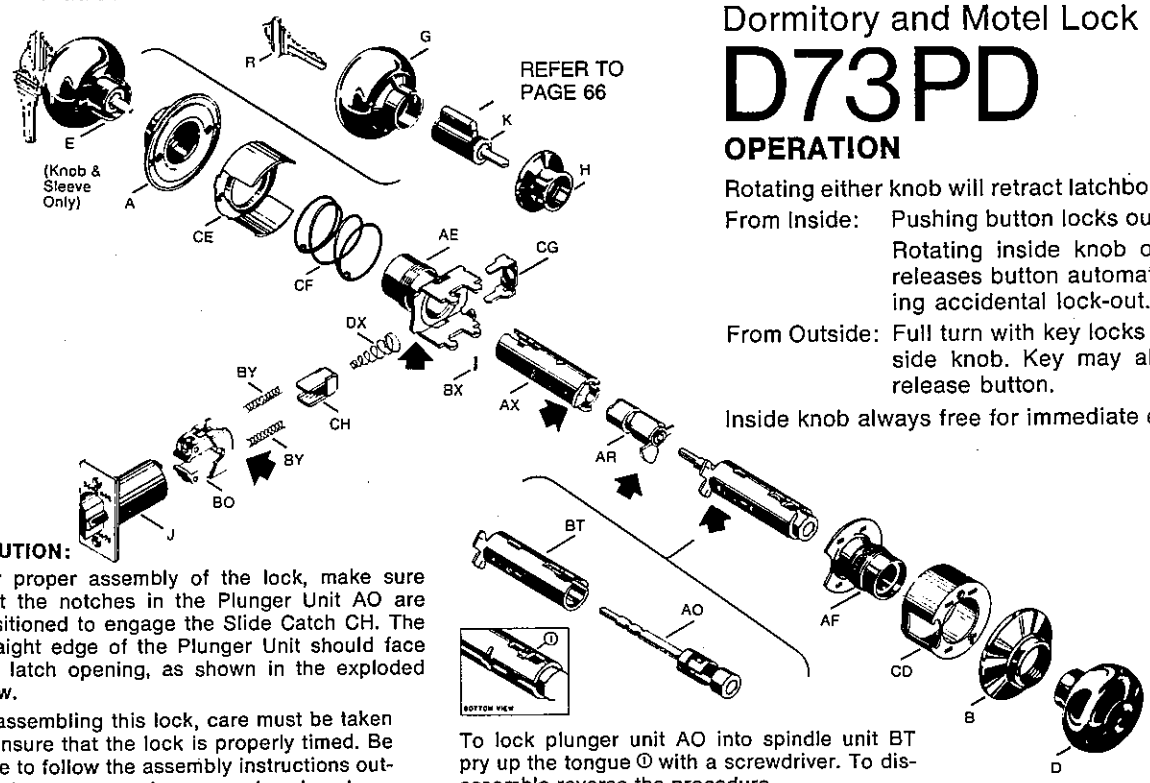
Rotating either knob will retract latchbolt.

Full turn with key in either knob locks or unlocks its own knob independently.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside and inside knobs.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Dormitory and Motel Lock

D73PD

OPERATION

Rotating either knob will retract latchbolt.

From Inside: Pushing button locks outside knob.
Rotating inside knob or closing door releases button automatically, preventing accidental lock-out.

From Outside: Full turn with key locks or unlocks outside knob. Key may also be used to release button.

Inside knob always free for immediate exit.

CAUTION:
For proper assembly of the lock, make sure that the notches in the Plunger Unit AO are positioned to engage the Slide Catch CH. The straight edge of the Plunger Unit should face the latch opening, as shown in the exploded view.

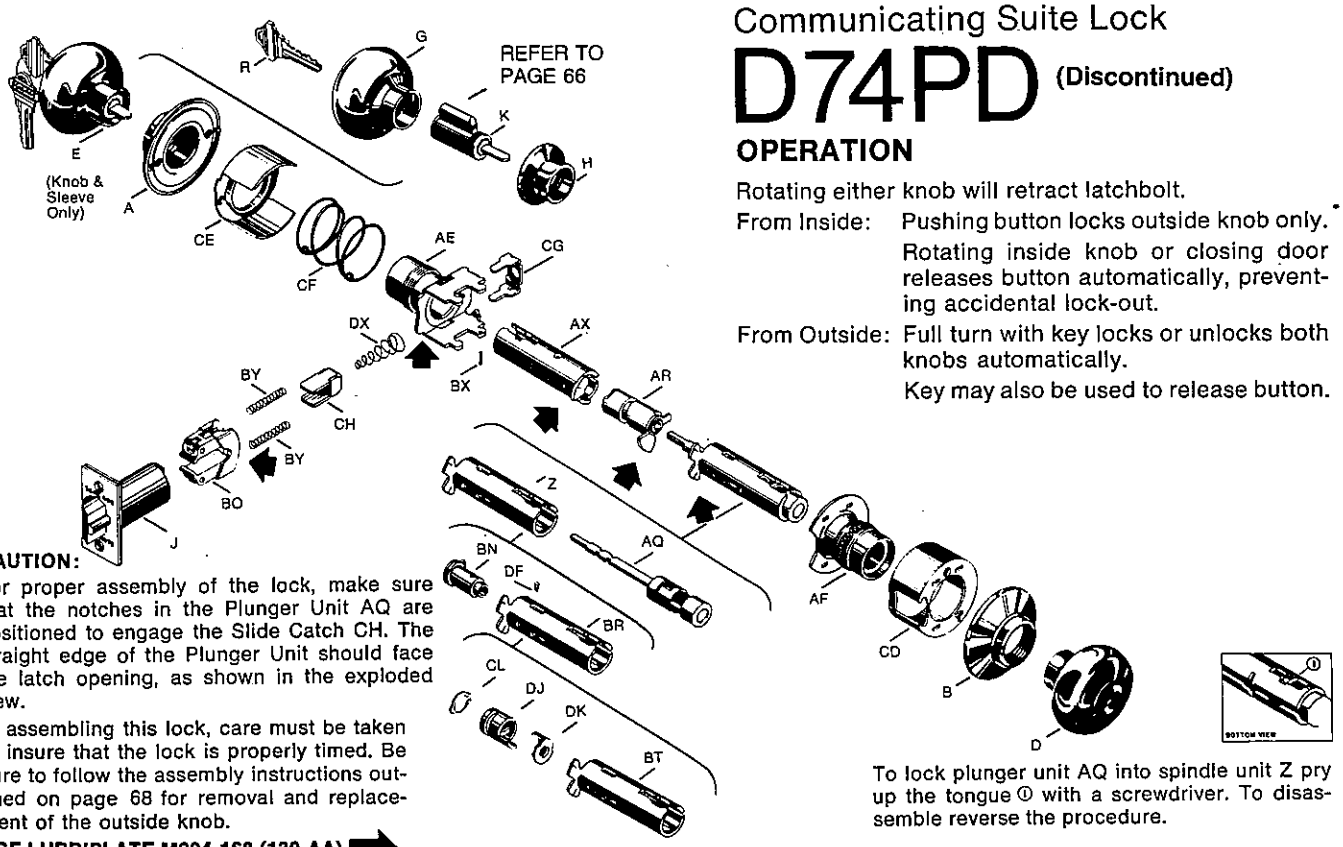
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

To lock plunger unit AO into spindle unit BT pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64,65,66

Communicating Suite Lock

D74PD **(Discontinued)**



OPERATION

Rotating either knob will retract latchbolt.

From Inside: Pushing button locks outside knob only.
Rotating inside knob or closing door releases button automatically, preventing accidental lock-out.

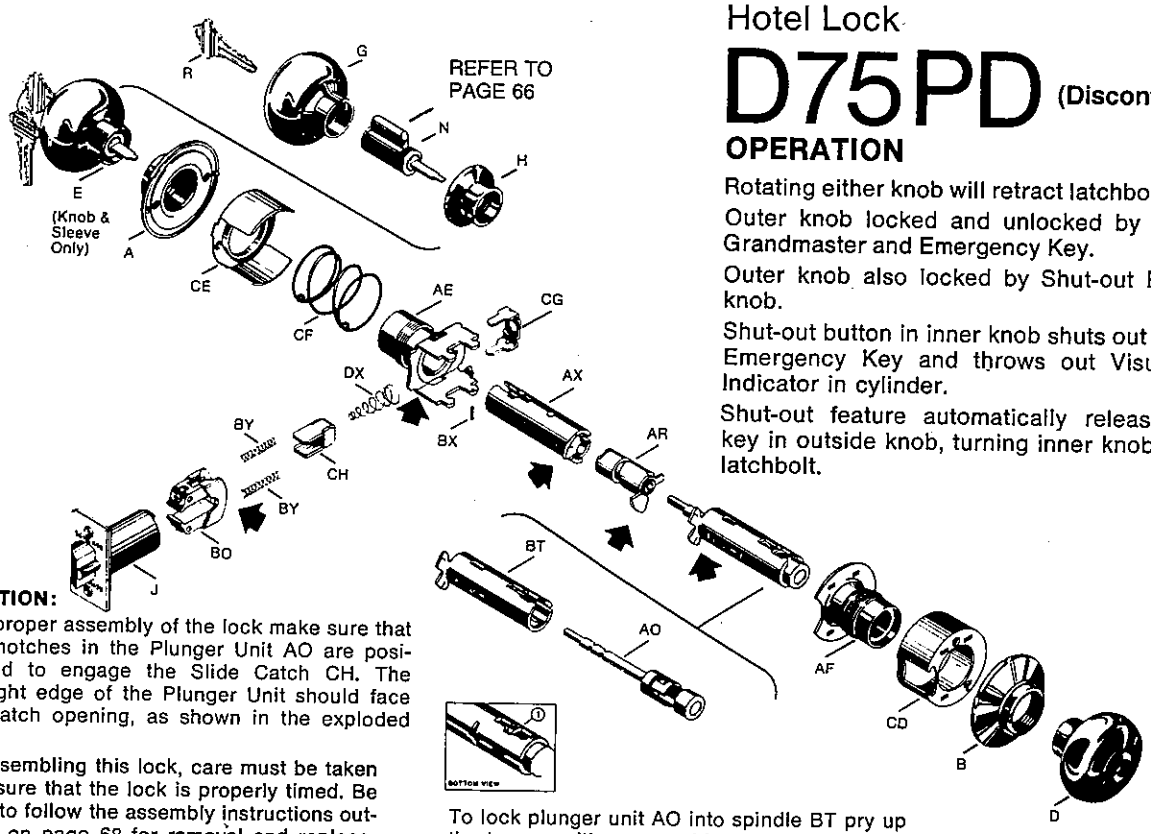
From Outside: Full turn with key locks or unlocks both knobs automatically.
Key may also be used to release button.

CAUTION:
For proper assembly of the lock, make sure that the notches in the Plunger Unit AQ are positioned to engage the Slide Catch CH. The straight edge of the Plunger Unit should face the latch opening, as shown in the exploded view.

In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

To lock plunger unit AQ into spindle unit Z pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.



Hotel Lock

D75PD (Discontinued)

OPERATION

Rotating either knob will retract latchbolt.

Outer knob locked and unlocked by Guest, Master, Grandmaster and Emergency Key.

Outer knob also locked by Shut-out Button in inner knob.

Shut-out button in inner knob shuts out all keys except Emergency Key and throws out Visual Occupancy Indicator in cylinder.

Shut-out feature automatically released by turning key in outside knob, turning inner knob or depressing latchbolt.

CAUTION:
For proper assembly of the lock make sure that the notches in the Plunger Unit AO are positioned to engage the Slide Catch CH. The straight edge of the Plunger Unit should face the latch opening, as shown in the exploded view.

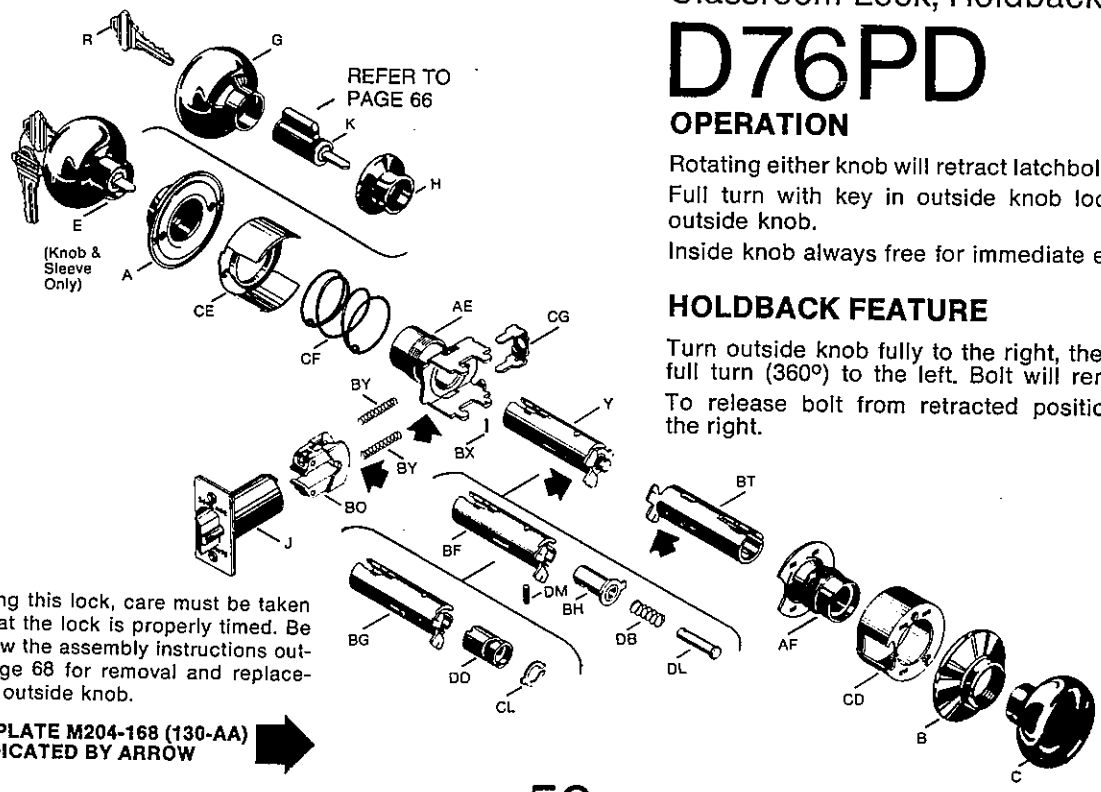
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

To lock plunger unit AO into spindle BT pry up the tongue with a screwdriver. To disassemble reverse the procedure.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64,65 ,66

Classroom Lock, Holdback Feature

D76PD



OPERATION

Rotating either knob will retract latchbolt.

Full turn with key in outside knob locks or unlocks outside knob.

Inside knob always free for immediate exit.

HOLDBACK FEATURE

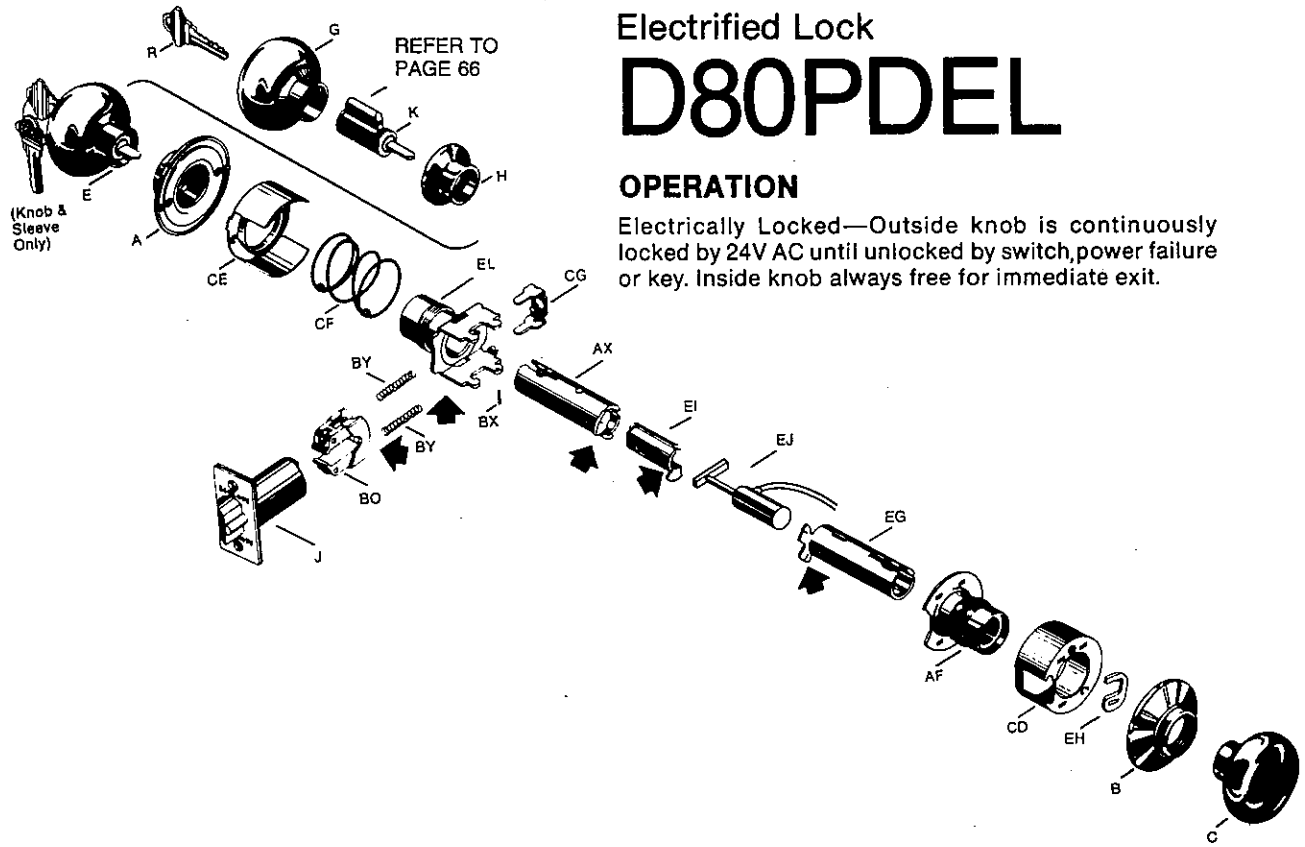
Turn outside knob fully to the right, then turn key one full turn (360°) to the left. Bolt will remain retracted.

To release bolt from retracted position turn key to the right.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



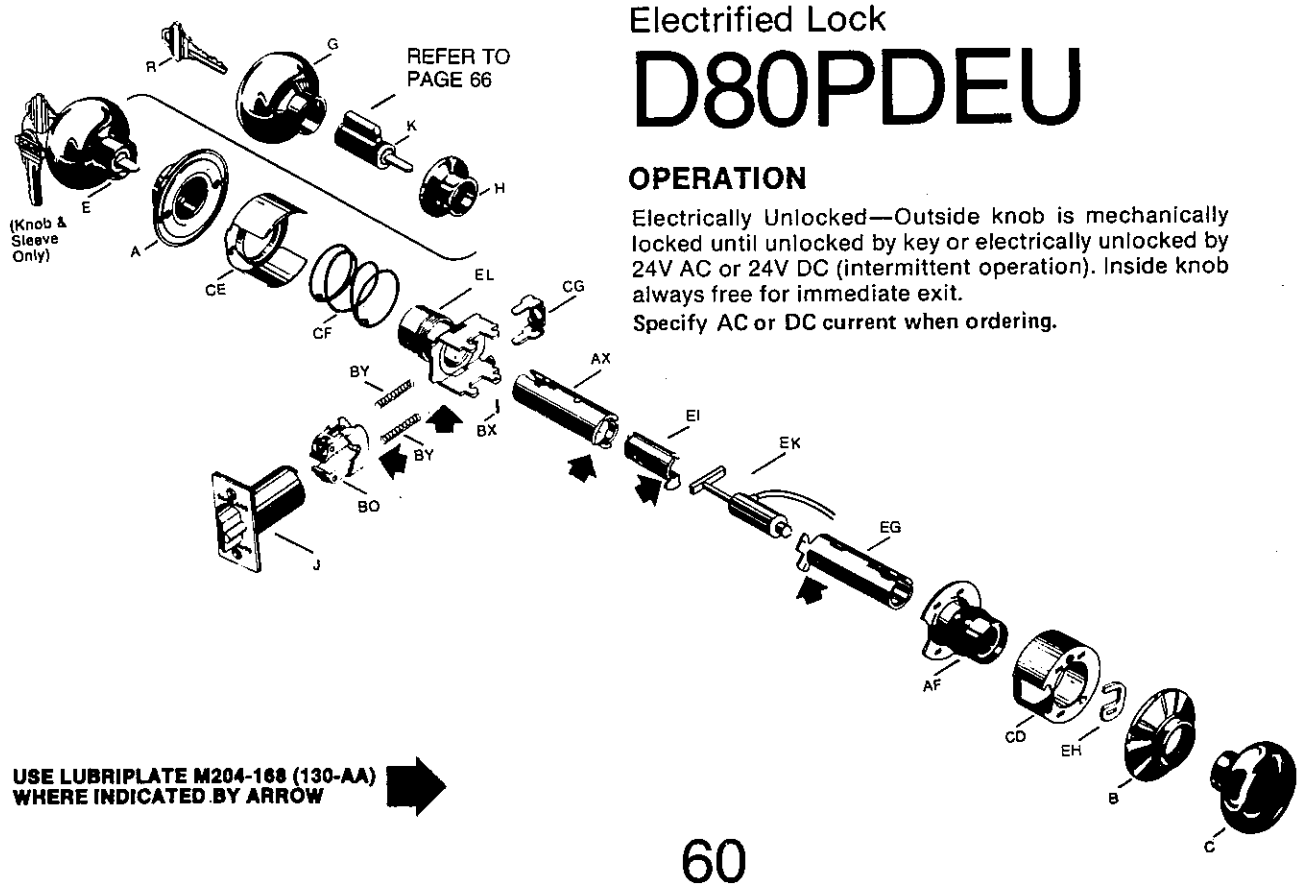
Electrified Lock

D80PDEL

OPERATION

Electrically Locked—Outside knob is continuously locked by 24V AC until unlocked by switch,power failure or key. Inside knob always free for immediate exit.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64 , 65 , 66



Electrified Lock

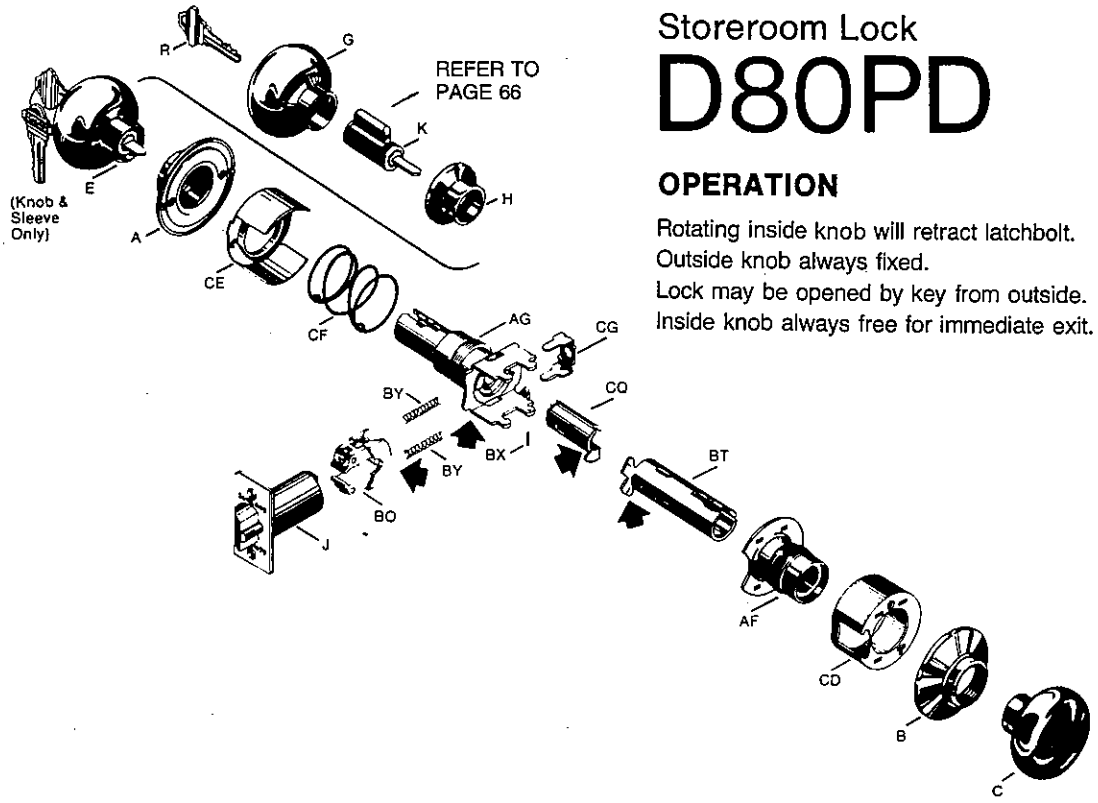
D80PDEU

OPERATION

Electrically Unlocked—Outside knob is mechanically locked until unlocked by key or electrically unlocked by 24V AC or 24V DC (intermittent operation). Inside knob always free for immediate exit.

Specify AC or DC current when ordering.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW



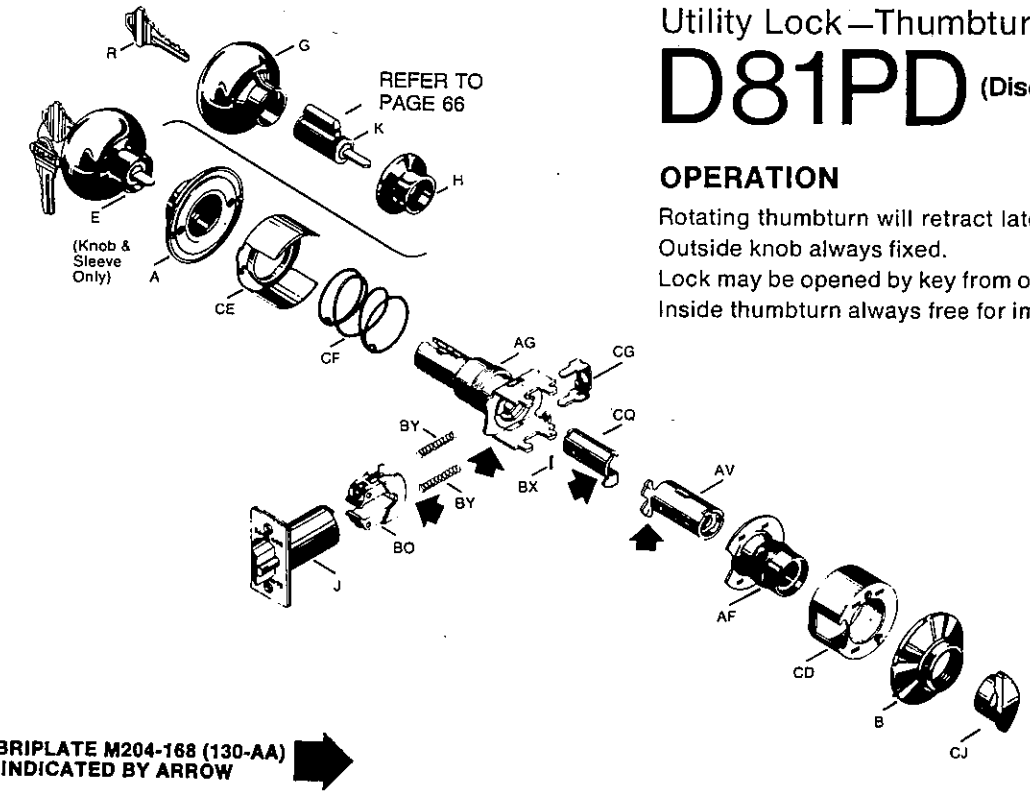
Storeroom Lock

D80PD

OPERATION

Rotating inside knob will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside knob always free for immediate exit.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64, 65, 66



Utility Lock—Thumbturn Inside

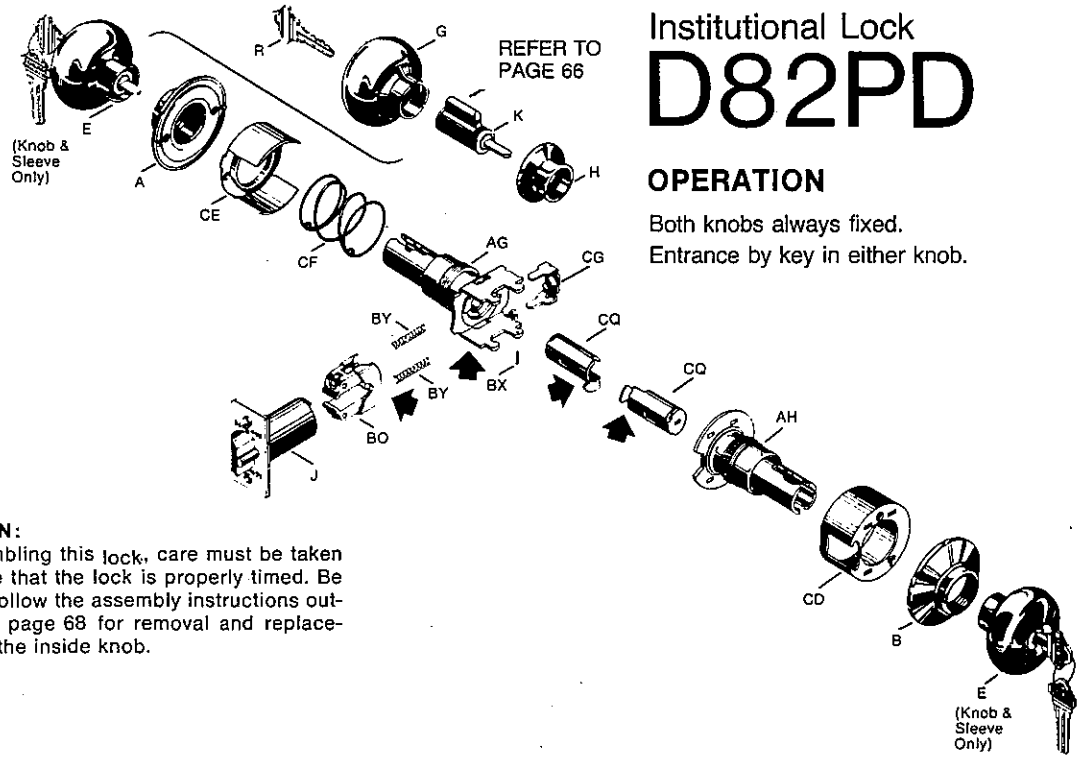
D81PD **(Discontinued)**

OPERATION

Rotating thumbturn will retract latchbolt.
Outside knob always fixed.
Lock may be opened by key from outside.
Inside thumbturn always free for immediate exit.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Assembly Chart



Institutional Lock

D82PD

OPERATION

Both knobs always fixed.
Entrance by key in either knob.

CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the inside knob.

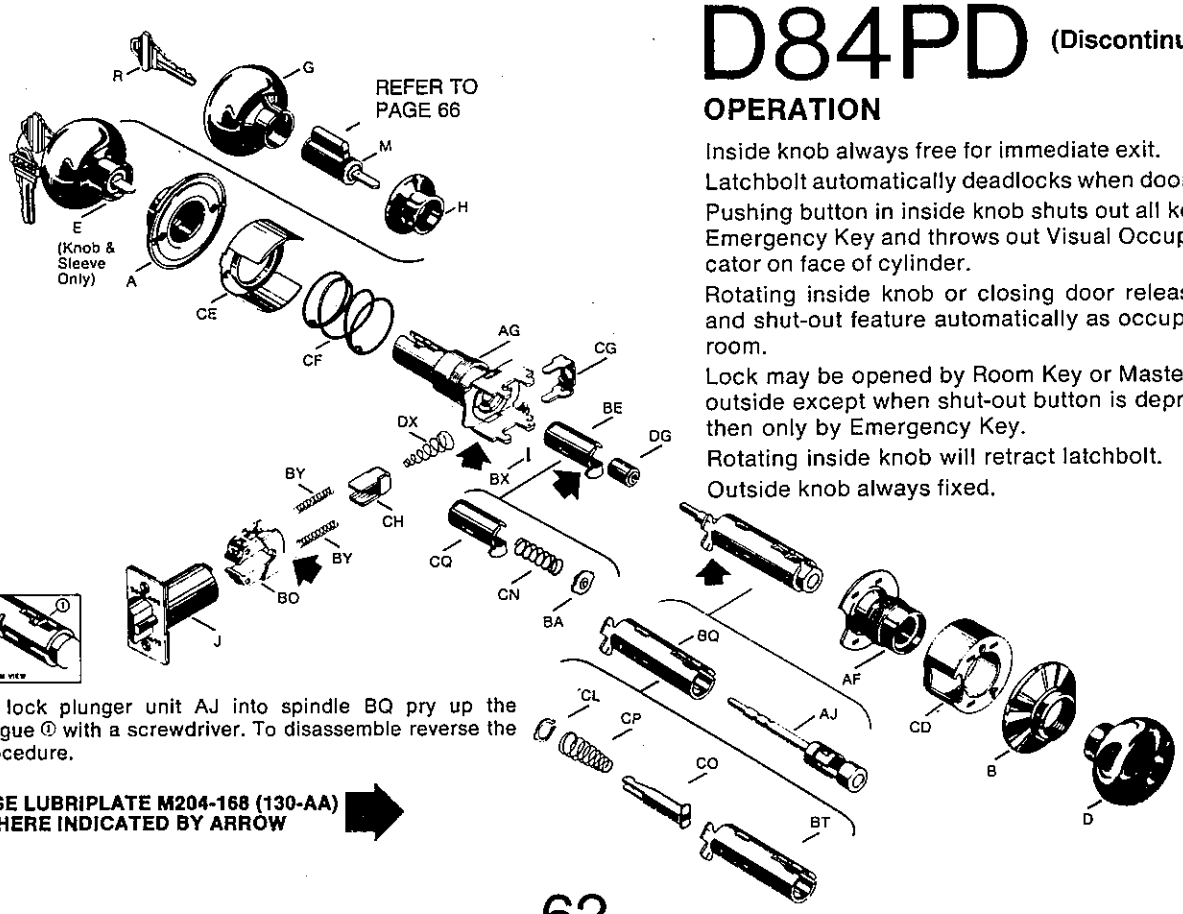
BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64 , 65 , 66

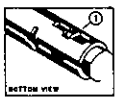
Apartment House Lock

D84PD (Discontinued)

OPERATION

Inside knob always free for immediate exit.
Latchbolt automatically deadlocks when door is closed.
Pushing button in inside knob shuts out all keys except Emergency Key and throws out Visual Occupancy Indicator on face of cylinder.
Rotating inside knob or closing door releases button and shut-out feature automatically as occupant leaves room.
Lock may be opened by Room Key or Master Key from outside except when shut-out button is depressed and then only by Emergency Key.
Rotating inside knob will retract latchbolt.
Outside knob always fixed.





To lock plunger unit AJ into spindle BQ pry up the tongue ① with a screwdriver. To disassemble reverse the procedure.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

Hotel-Motel Lock

D85PD

OPERATION

Rotating inside knob will retract latchbolt.

Outside knob always fixed.

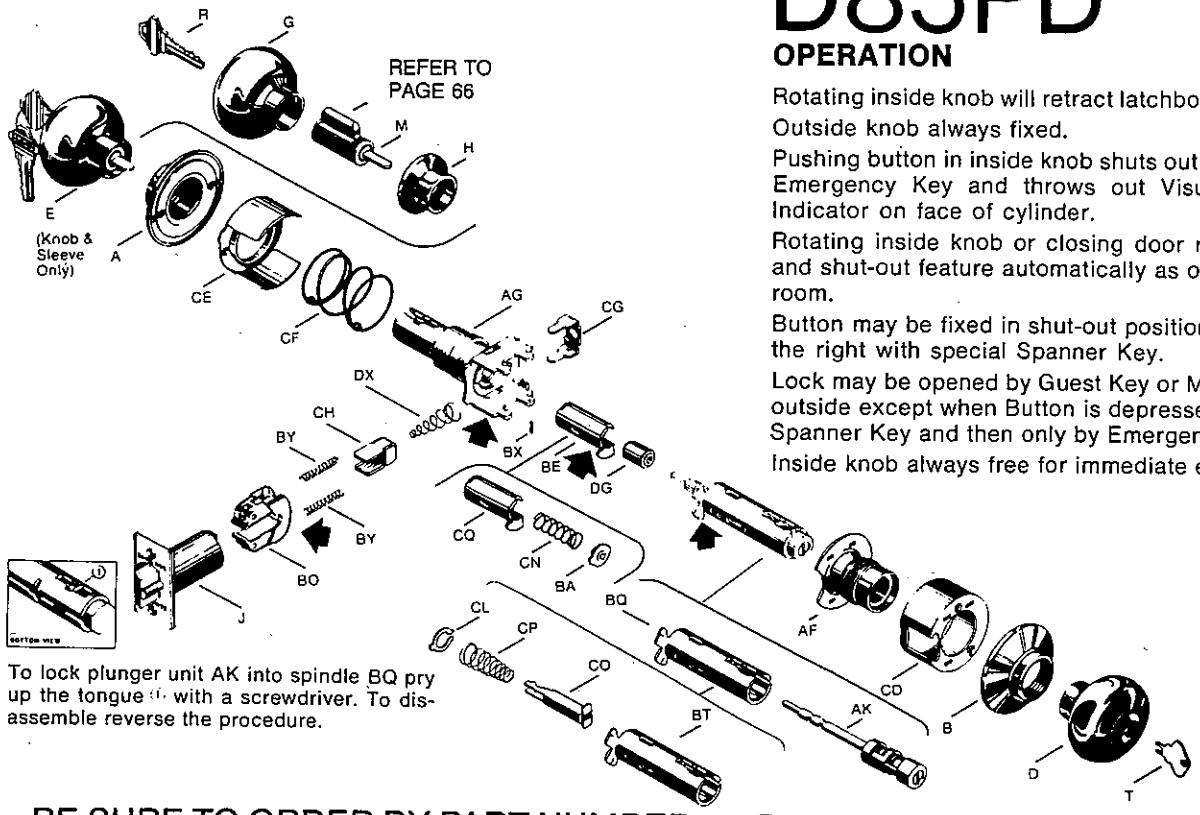
Pushing button in inside knob shuts out all keys except Emergency Key and throws out Visual Occupancy Indicator on face of cylinder.

Rotating inside knob or closing door releases button and shut-out feature automatically as occupant leaves room.

Button may be fixed in shut-out position by rotating to the right with special Spanner Key.

Lock may be opened by Guest Key or Master Key from outside except when Button is depressed or fixed with Spanner Key and then only by Emergency Key.

Inside knob always free for immediate exit.



To lock plunger unit AK into spindle BQ pry up the tongue (D) with a screwdriver. To disassemble reverse the procedure.

BE SURE TO ORDER BY PART NUMBER . . . REFER TO PAGES 64 , 65 , 66

Entrance Lock

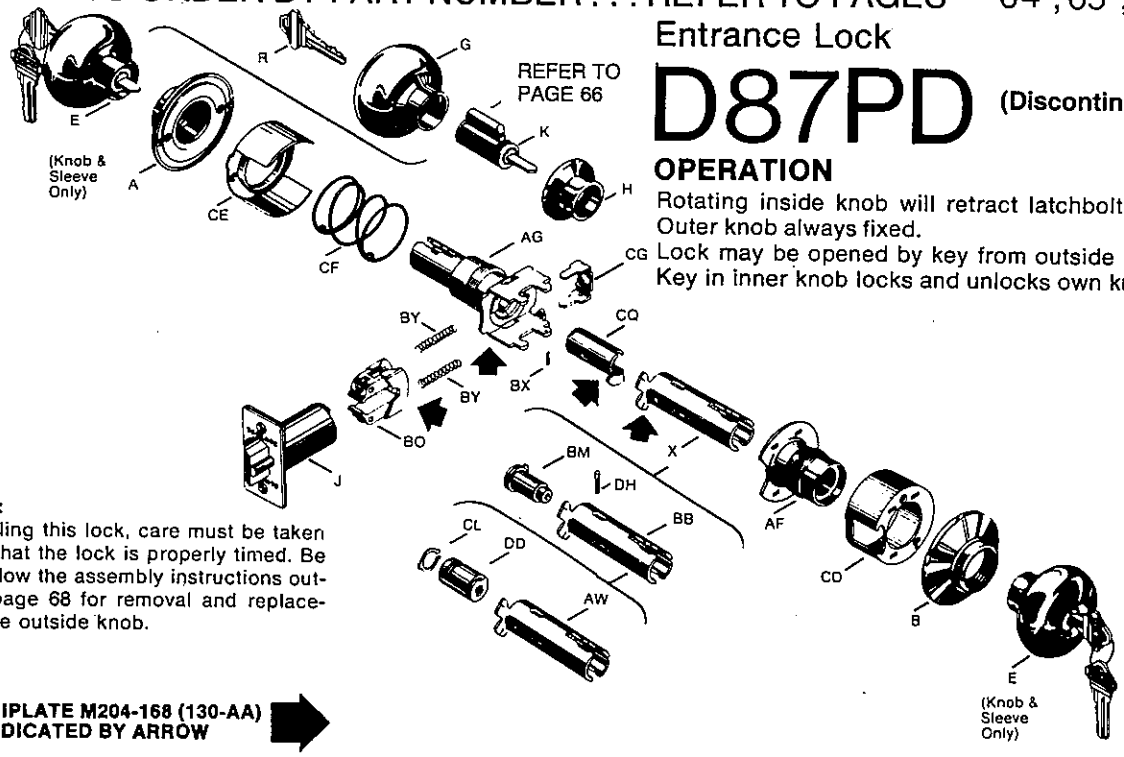
D87PD (Discontinued)

OPERATION

Rotating inside knob will retract latchbolt.

Outer knob always fixed.

Lock may be opened by key from outside at all times. Key in inner knob locks and unlocks own knob.



CAUTION:
In assembling this lock, care must be taken to insure that the lock is properly timed. Be sure to follow the assembly instructions outlined on page 68 for removal and replacement of the outside knob.

USE LUBRIPLATE M204-168 (130-AA) WHERE INDICATED BY ARROW

SCHLAGE Parts Index

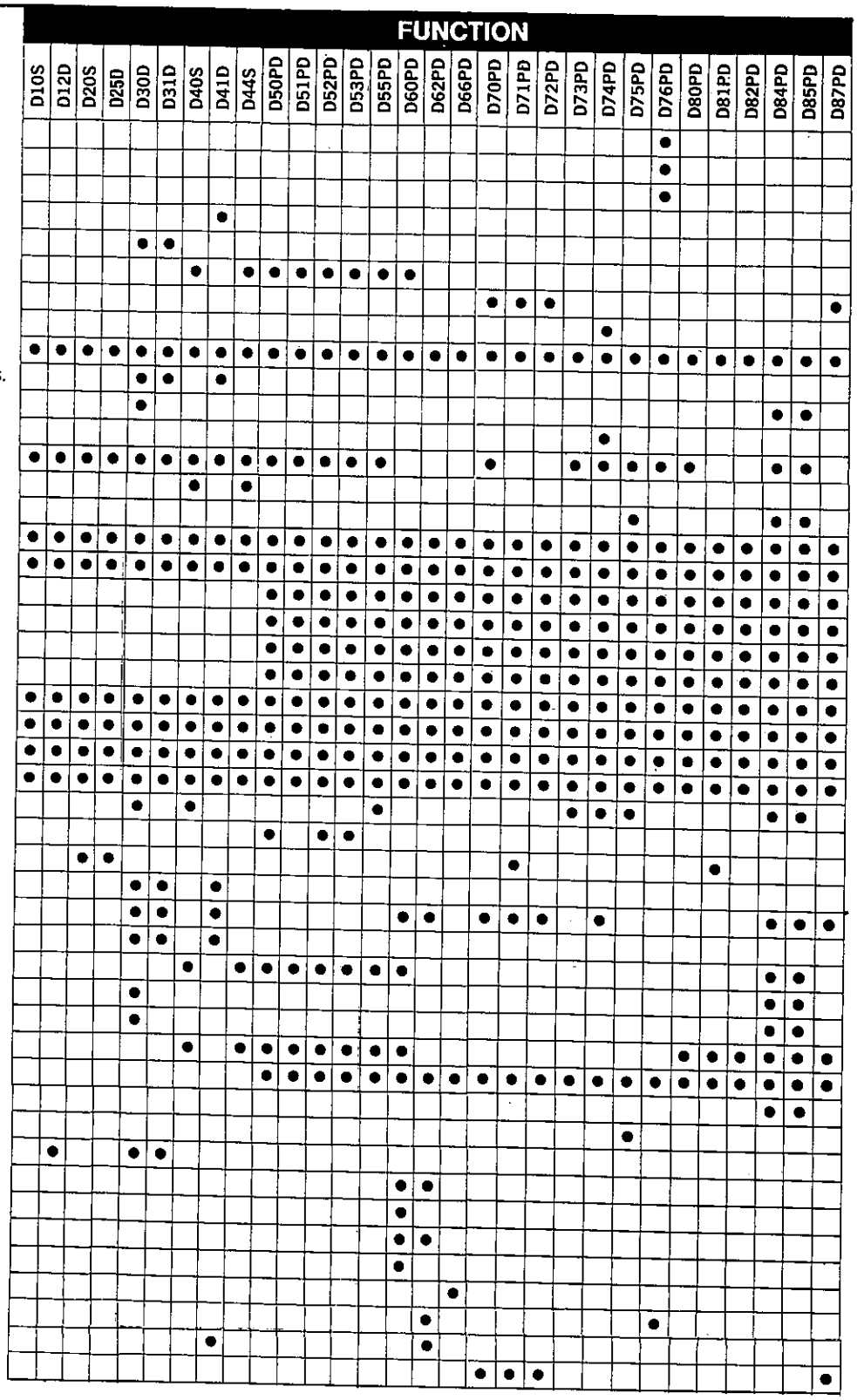
WHEN ORDERING PARTS
FOR BALL, GLOBE, SPHERE OR TREND DESIGN
SEE BOX ON PAGE 46 .

SYM.	NO.	DESCRIPTION	FUNCTION																												
			D10S	D12D	D20S	D25D	D30D	D31D	D40S	D41D	D44S	D50PD	D51PD	D52PD	D53PD	D55PD	D60PD	D62PD	D66PD	D70PD	D71PD	D72PD	D73PD	D74PD	D75PD	D76PD	D80PD	D81PD	D82PD	D84PD	D85PD	D87PD
A	04-001	Rose, Out. (Design & Finish)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
B	04-002	Rose, Ins. (Design & Finish)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	04-006	Knob, Clo. (Design & Finish)	●	●	●	●	●	●												●						●	●					
D	04-007	Knob, But. (Design & Finish)					●	●	●	●	●	●	●	●	●	●							●	●	●					●	●	
E	04-008	Knob, Cyl. (Design & Finish)										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
F	04-009	Knob, Clo. (Design & Finish)		●																												
G	04-013	Knob, Cyl. (Design & Finish)										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	04-014	Knob Sleeve (Design & Finish)										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
I	14-003	Springlatch Unit, Bev. (Finish)	●		●	●			●		●																					
J	14-021	Deadlatch Unit, Bev. (Finish)		●			●	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	23-001	Cyl. Unit (Section & Finish)										●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●			●
M	23-003	Cyl. Unit (Section & Finish)																												●	●	
N	23-004	Cyl. Unit (Section & Finish)																							●							
P	33-006	Cyl. Plug (Section & Finish)										●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●			●
**Q	33-216	Cyl. Plug (Section & Finish)																							●					●	●	
R	35-101	Key, 6 Pin (Section)										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S	35-250	Emergency Key							●																							
T	35-251	Spanner Key																													●	
U	04-021,170	Button & Bar Unit (Finish)							●																							
V	C100-056	Spindle Unit, Out. & Ins.																●														
W	C100-059	Spindle Unit, Out. & Ins.																	●													
X	C100-062	Spindle Unit																		●	●	●										●
Y	C100-255	Spindle & Plug, Out.																								●						
Z	C101-519	Spindle Unit, Ins.																						●								
AE	C102-522	Hub & Cap, Out. (Finish)	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
AF	C102-524	Hub & Cap, Ins. (Finish)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●
AG	C102-570	Hub & Cap, Out. (Finish)		●																							●	●	●	●	●	●
AH	C102-572	Hub & Cap, Ins. (Finish)																											●			
AL	C102-614	Spindle Unit, Out. & Ins.								●																						
AJ	04-020-443	Plunger Unit (Finish)					●		●		●	●																		●		
AK	04-026-443	Plunger Unit (Finish)																													●	
AM	C102-623	Plunger Unit (Finish)						●					●																			
AN	04-024 443	Plunger Unit (Finish)												●	●	●																
AQ	04-025 443	Plunger Unit (Finish)																					●		●							
AP	C102-629	Bar Unit (Finish)								●																						
AQ	C102-829	Plunger Unit (Finish)																						●								
AR	C102-837	Locking Plug, Out.																					●	●	●							
AS	C102-840	Key Spindle							●			●	●	●	●	●	●															
AT	A501-576	Cylinder Body										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AV	C203-365	Spindle & Catch, Ins.			●	●															●								●			
AW	C203-367	Spindle & Catch, Out.															●	●		●	●	●										●
AX	C203-374	Spindle & Catch, Out.										●	●	●	●	●	●							●	●	●						
BA	C203-389	Spring Seat																												●	●	
BB	C203-390	Spindle & Key Cam, Out.																		●	●	●										●
BC	C203-391	Spindle & Key Cam															●	●														
BD	C203-393	Locking Plug																●														
BE	C203-411	Key Spindle																												●	●	

** Specify Key Section

Parts Index **SCHLAGE**

SYM.	NO.	DESCRIPTION
BF	C203-491	Spindle & Cam, Out.
BG	C203-492	Spindle & Catch, Out.
BH	C203-493	Locking Plug
BI	C203-630	Locking Plug & Spacer
BJ	C203-631	Locking Plug
BK	C203-632	Locking Plug
BM	C203-733	Locking Plug
BN	C203-735	Locking Plug, Ins.
BO	C203-000	Slide & Rollers
BP	C203-857	Spindle & Washer, Out. & Ins.
BQ	C203-858	Spindle & Hammer, Ins.
BR	C203-860	Spindle & Key Cam, Ins.
BT	C203-916	Spindle & Catch
BU	C203-917	Spindle & Catch, Out.
**BV	C604-145	Cylinder Indicator
BX	C503-008	Cotter Pin
BY	C503-019	Slide Spring (Two Req'd)
BZ	C503-113	Cyl. Tumbler Spring
CA	C503-115	Cyl. Cap Spring
CB	C503-116	Cyl. Cap Pin
CC	C503-118	Cyl. Cap
CD	C503-306	Housing
CE	C503-307	Anchor
CF	C503-308	Anchor Spring
CG	C503-314	Slide Spring Seat
CH	C503-315	Slide Catch
CI	C503-316	Slide Catch (Non-Restor.)
CJ	C503-321	Turn Knob (Finish)
CK	C503-323	Spindle Spring Seat
CL	C503-324	Spindle Washer
CM	C503-327	Locking Plug Spring
CN	C503-331	Plunger Spring
CO	C503-334	Plunger Hammer
CP	C503-335	Plunger Hammer Spring
CQ	C503-339	Key Spindle
CR	C503-346	Cyl. Driver
*CS	C604-106	Cyl. Bar (D84 & 85)
	C604-108	Cyl. Bar (D75)
CU	C503-353	Plunger Catch Spring
CW	C503-359	Key Cam
CX	C503-360	Key Cam Rider
CY	503-361	Key Cam Pin
CZ	C503-362	Plunger
DA	C503-363	Key Cam Rider
DB	C503-364	Plunger Swivel Spring
DC	C503-366	Plunger (Two Req'd)
DD	C503-368	Key Cam, Out.



*Specify Door Thickness
**Specify Key Section

SCHLAGE Parts Index

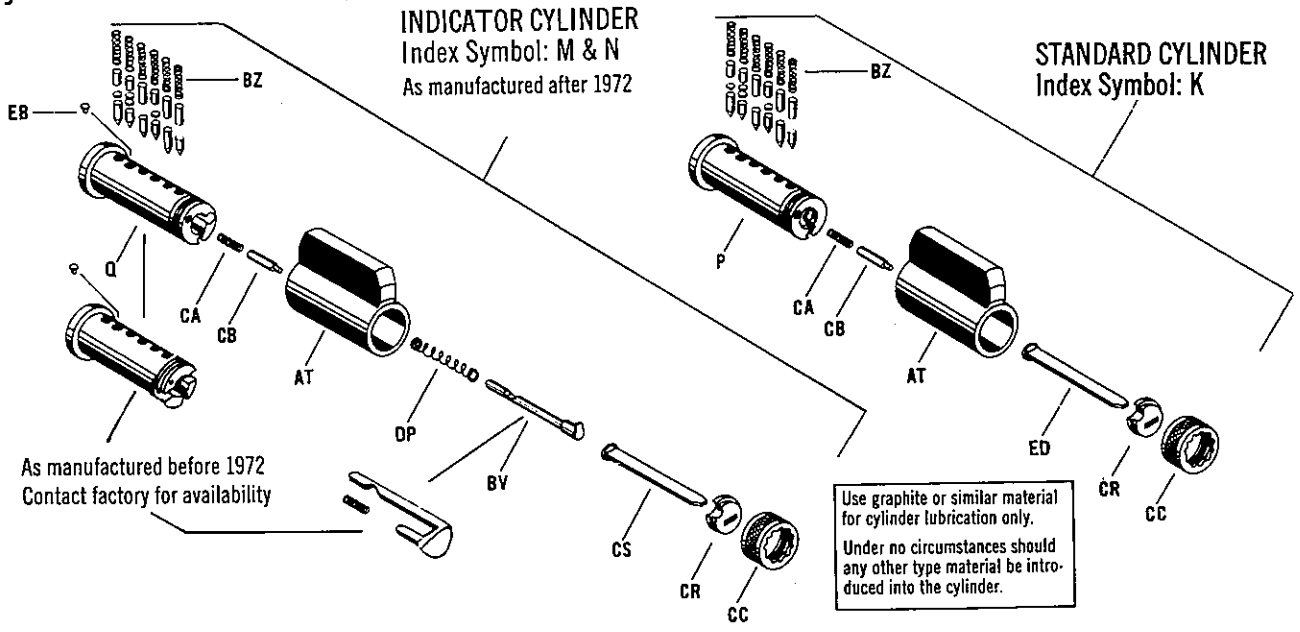
WHEN ORDERING PARTS
FOR BALL, GLOBE, SPHERE OR TREND DESIGN
SEE BOX ON PAGE 46 .

SYM.	NO.	DESCRIPTION	FUNCTION																												
			D10S	D12D	D20S	D25D	D30D	D31D	D40S	D41D	D44S	D50PD	D51PD	D52PD	D53PD	D55PD	D60PD	D62PD	D66PD	D70PD	D71PD	D72PD	D73PD	D74PD	D75PD	D76PD	D80PD	D81PD	D82PD	D84PD	D85PD	D87PD
DE	C503-371	Plunger																	●					●								
DF	C503-374	Key Cam Pin																						●								
DG	C203-376	Plunger Bushing																												●	●	
DH	C503-400	Key Cam Pin																		●	●	●										●
DJ	C503-502	Locking Cam																						●								
DK	C503-503	Key Cam																						●								
DL	C503-508	Key Cam Rider, Out.																								●						
DM	C503-509	Key Cam Pin																								●						
DN	C503-577	Spring Seat							●		●	●	●	●		●	●															
DP	C604-144	Cyl. Ind. Spring																							●					●	●	
DQ	C503-965	Plunger Sleeve, Out.							●		●																					
DX	G505-747	Catch Spring			●	●			●		●	●		●		●								●	●	●				●	●	
EA	C603-580	Knob Catch Stop		●		●	●	●																								
EB	C603-195	Pin, Obstruction, Keyway																								●				●	●	
EC	04-022-171	Button & Bar Unit									●																					
*ED	C503-347	Cyl-Bar										●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●			●
EF	XC10-686	Stop, Latch, Knob(EL-EU)		*																							●					
EG	XC10-684	Inside Spindle(EL-EU)		*																							●					
EH	XC10-687	Retainer, Solenoid (EL-EU)		*																							●					
EI	XC10-683	Key Spindle (EL-EU)		*																							●					
EJ	XC10-681	Solenoid & Plunger(EL)		*																							●					
EK	XC10-682	Solenoid & Plunger(EU)		*																							●					
EL	XC10-685	Hub & Frame (EL-EU)		*																							●					

* Parts for electrified locks (EL & EU) only.

Cylinder Units

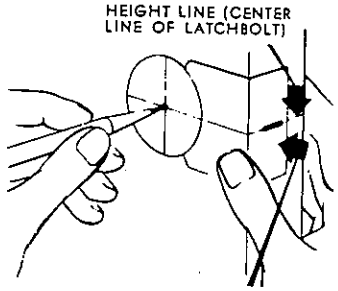
Complete cylinder units may be ordered. Use index symbol shown below to determine part number.



SCHLAGE D/Installation Instructions

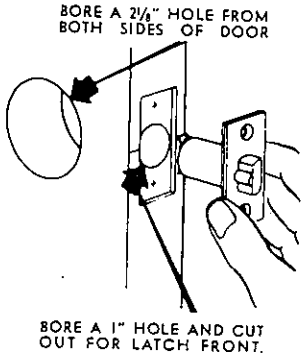
1 MARK DOOR

Mark height line (center line of latchbolt) on edge of door. Suggested height from floor 38". Mark center point of door thickness. Position center line of template on height line. Hold in place and mark center point for 2⅛" hole.



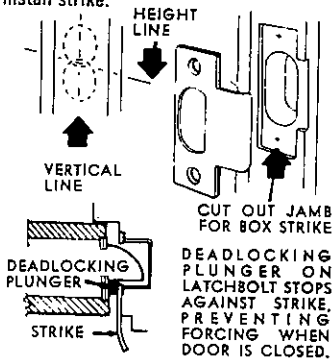
2 BORE TWO HOLES

Bore a 2⅛" hole at point marked through template. Bore a 1" hole straight into edge of door at center point on height line. Cut out for latch front and install latchbolt.



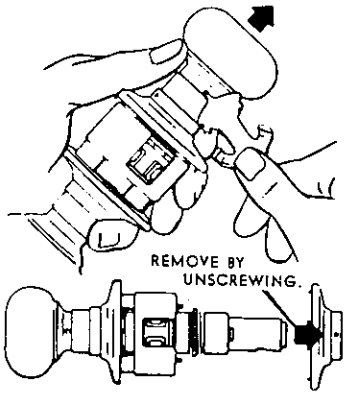
3 INSTALL STRIKE

Mark vertical line and height line on jamb exactly opposite center point of latch hole. Bore two 1" holes 11/16" deep in jamb on vertical line 5/16" above and below height line. Clean out hole and install strike.



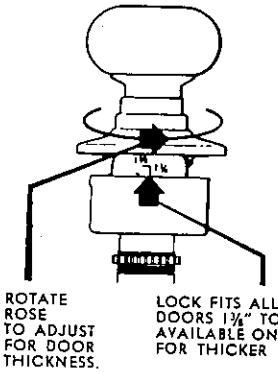
4 REMOVE INSIDE TRIM

Insert pointed end of spanner wrench through hole in knob sleeve on side facing latch retractor. Depress knob catch and slide knob off spindle.



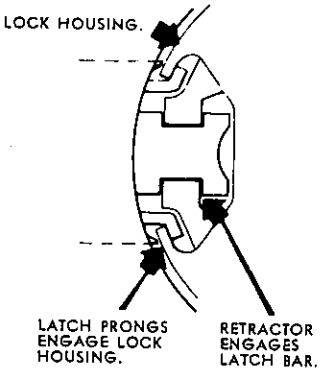
5 ADJUST ROSE

Adjust lock to fit door thickness by rotating outside rose until correct door thickness appears above edge of housing and it is engaged with ratchet.



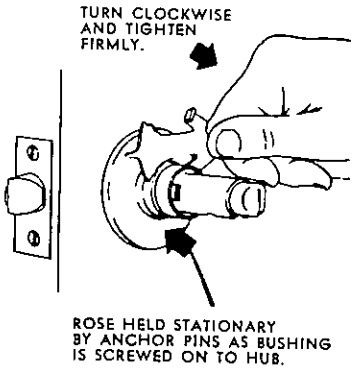
6 INTERLOCK UNITS

Latch unit must be in place before installing lock. Engage lock housing with latch prongs and lock retractor with latch bar.



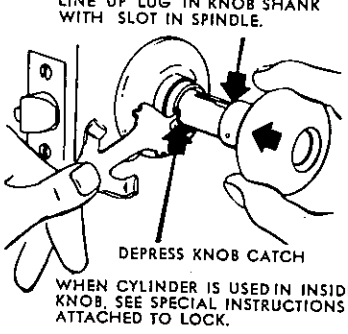
7 ATTACH TRIM

Slip inside rose over spindle and screw on to threads. Tighten firmly with spanner wrench.



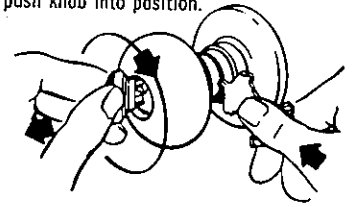
8 REPLACE KNOB

Slide knob on spindle. Depress knob catch and push knob into position. Pull knob to test fastening of catch. When properly installed, both knobs should operate freely.



TO CHANGE LOCK HAND

Insert pointed end of Spanner Wrench through hole in the outside knob sleeve on side facing latchbolt. Push Spanner Wrench and at the same time turn key slowly until knob catch depresses; then pull off knob. Turn knob over and with key partly removed from cylinder, replace knob and slide onto spindle up to knob catch. Turn key one-quarter turn to right, depress knob catch, and push knob into position.



For removing cylinder knob refer to page 68 & 69.

SCHLAGE How to remove and replace cylinder knobs

FOR OUTSIDE KNOBS—"D" 62*, 66*, 70, 71, 72*, 73, 74, 75 and 76 FUNCTIONS

To Remove Knob:

1. Insert key into cylinder and turn to left as far as it will go without retracting latchbolt.
2. Insert pointed end of Schlage spanner wrench through hole in the knob-sleeve on side facing latch retractor or latchbolt.
3. While exerting pressure with spanner wrench, turn the key (but not the knob) very slightly to right until point of spanner wrench goes in all the way. Then knob can be pulled off.

To Replace Knob:

1. With key partly removed from cylinder and keyhole in upright position, slide knob onto spindle, until it stops against knob catch.
2. Insert key all the way into cylinder and turn it to the left as far as it will go without retracting latchbolt. (If key is not in proper position, leave key as is, remove entire knob from spindle and repeat instructions 1 and 2.)
3. Using spanner wrench, exert pressure against knob catch and turn key slightly to right until knob catch can be depressed.
4. With knob catch depressed slide knob further along spindle until it is engaged by the knob catch.
5. Remove key and pull knob to make sure knob catch is fully engaged.
6. When knob is properly installed, the key can be inserted, and after one complete turn to the right can be withdrawn.

*See below for removal and replacement of inside knobs for 62, 66 and 72 functions.

FOR INSIDE KNOBS—"D" 60, 62, 66, 72 and 87 FUNCTIONS

To Remove Knob:

1. Insert key into cylinder and turn to left as far as it will go without retracting latchbolt.
2. Insert pointed end of Schlage spanner wrench through hole in the knob-sleeve on side facing latch retractor.
3. While exerting pressure with spanner wrench, turn the key (but not the knob) very slightly to right until point of spanner wrench goes in all the way. Then knob can be pulled off.

To Replace Knob:

1. With key partly removed from cylinder and keyhole in upright position, slide knob onto spindle.
2. When knob stops, insert key to its normal position and turn the key (but not the knob) very slightly to right until knob catch can be depressed flush with spindle.
3. Using pointed end of spanner wrench, hold knob-catch depressed and slide knob into its normal position and remove key.
4. Pull knob to make sure knob-catch has engaged.
5. When knob is properly installed, the key can be inserted, and after one complete turn to the right, can be withdrawn.

FOR INSIDE KNOB—"D" 82 FUNCTION

To Remove Knob:

1. Insert pointed end of Schlage spanner wrench through hole in the knob-sleeve on side facing latch retractor.
2. While exerting pressure with spanner wrench, turn key to right until point of spanner wrench goes in all the way. Then knob can be pulled off.

To Replace Knob:

1. With key partly removed from cylinder and keyhole in upright position, slide knob onto spindle.
2. When knob stops, insert key to normal position and turn to right as far as it will go.
3. Using pointed end of Schlage spanner wrench, hold knob-catch depressed and slide knob into its normal position.
4. Pull knob to make sure knob-catch has engaged.

FOR ALL OTHER KEY LOCKS

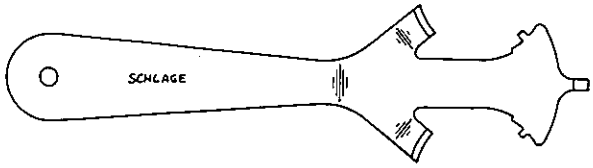
To Remove Knob:

1. Insert pointed end of spanner wrench into hole in outside knob sleeve on side facing latchbolt.
2. Exert pressure and at same time turn key slowly until knob catch depresses; then pull off knob.

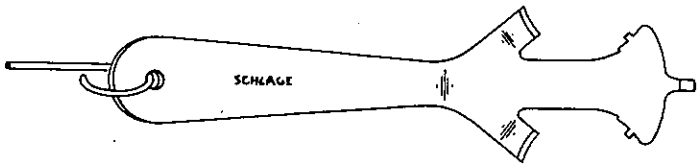
To Replace Knob:

1. Slide knob, with cylinder in position, onto spindle up to knob catch.
2. Turn key one quarter turn in same direction as before.
3. Depress knob catch and push knob into position.

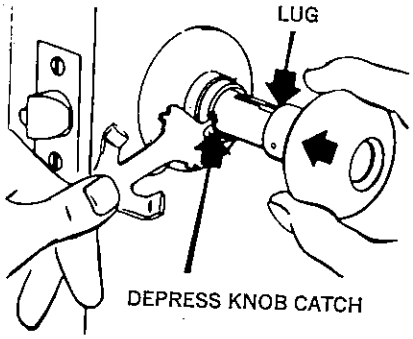
SCHLAGE How to remove and replace cylinder knobs



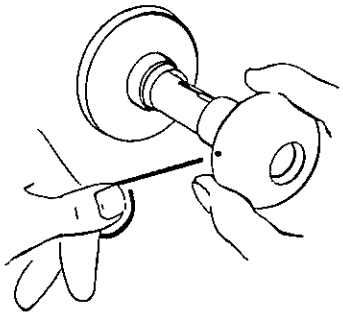
M504-310 SPANNER WRENCH
For Knobs except Ball, Globe, Sphere and Trend designs.



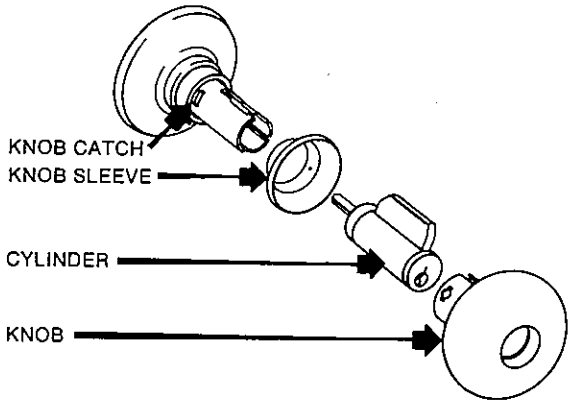
M204-179 SPANNER WRENCH & PIN
For Knobs including Ball, Globe, Sphere and Trend designs.



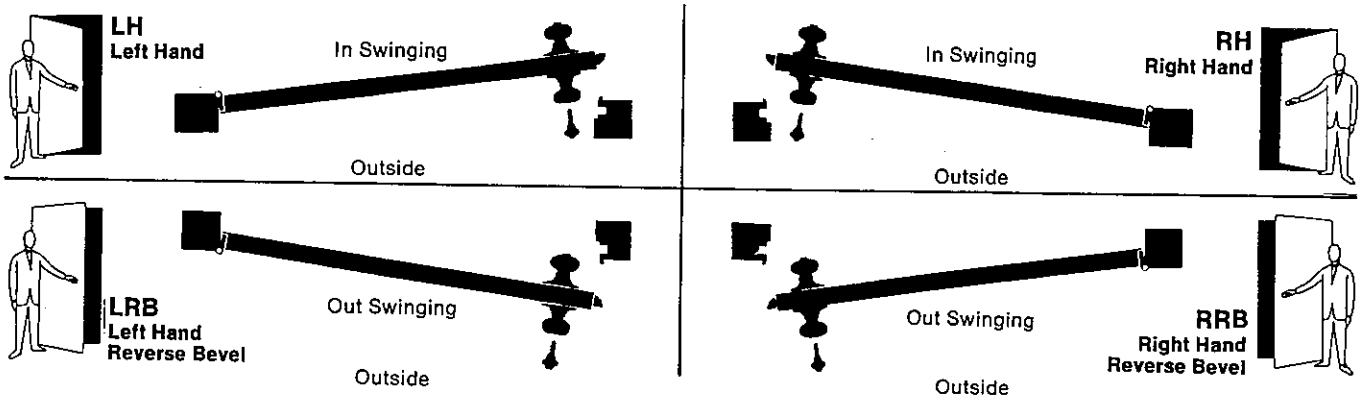
Before sliding Knob on spindle, line up lug in Knob shank with slot in spindle.



Shows use of Wrench Pin
For removing Ball, Globe & Sphere Knobs.

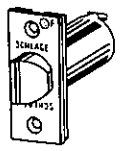


Hand of Door Determination



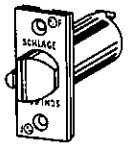
SCHLAGE D/Latches & Strikes

SPRINGLATCH

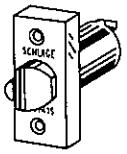


STANDARD

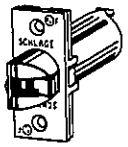
DEADLATCHES



STANDARD



RABBETED

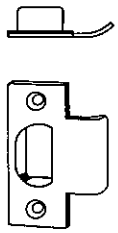


FIRE DOOR

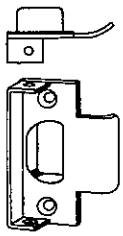
All 'D' Series latches have adjustable faceplates for flat or beveled edge doors except for the ½" rabbeted which has a flat faceplate only.

Backset	Faceplate Description	½ Throw Springlatch	½ Throw Deadlatch	¾ Throw Deadlatch
2⅜"	1⅛"	14-001	14-047	
2¾"	1⅛" (Standard)		14-019	
	1⅛", ½" Rabbeted, Flat		14-024	
	1⅛", Fire Door			14-042
3¾"	1⅛"	14-010	14-028	

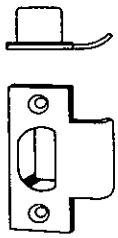
ALL STRIKE BOXES ARE FURNISHED DETACHED



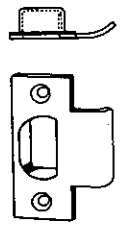
10-013
SQUARE CORNER
(Standard 1⅜" to 1⅞" Doors)
SIZE: 2¾" × 1⅛" × ⅛" thick
LIPS: 1⅛" and 1½"



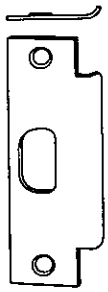
10-015
½" RABBETED STRIKE
SIZE: 2¾" × 1⅛" × ⅛" thick
LIPS: 1⅛" and 1½"



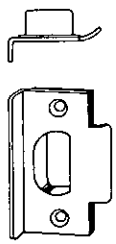
10-016
DEEP BOX STRIKE
FOR FIRE DOOR LATCHBOLT
SIZE: 2¾" × 1⅛" × ⅛" thick
LIPS: 1⅛" and 1½"



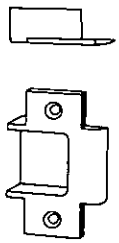
10-019
MARINE STRIKE
(For use on ships.)
SIZE: 2¾" × 1⅛" × ⅛" thick
LIPS: 1⅛" and 1½"



10-025
STRIKE FOR ANSI PREPARATION A115.2
SIZE: 4⅞" × 1¼" × 3/32 thick
LIPS: 13/16", 1¼ or 1⅜"

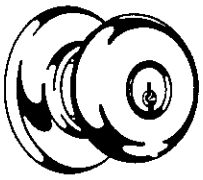


10-039
PROTECTED STRIKE
SIZE: 2¾" × 17/16" × ⅛" thick
LIP: 1¼"

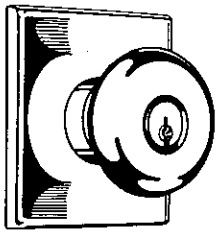


10-040
CAST OPEN BACK STRIKE
SIZE: 2¾" × 1⅛" × ⅛" thick
LIP: 1" (For 1¾" thick doors)

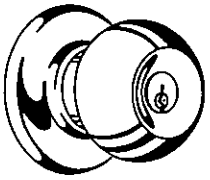
SCHLAGE D/Heavy Duty Designs



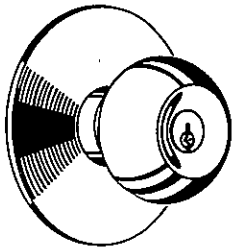
PLYMOUTH



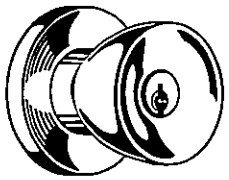
HANOVER



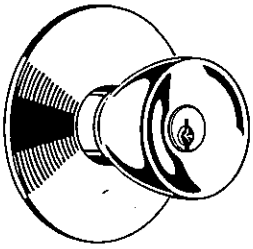
JANUS
(Discontinued)



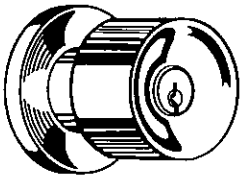
VISTA
(Discontinued)



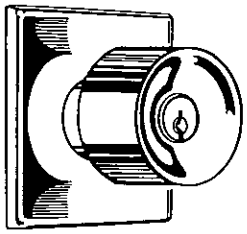
TULIP



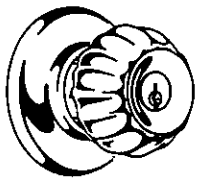
MAGNOLIA



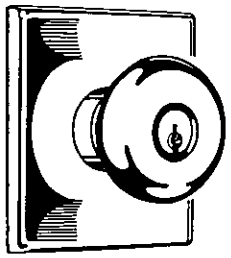
LUNA



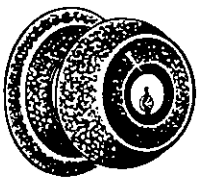
METEOR



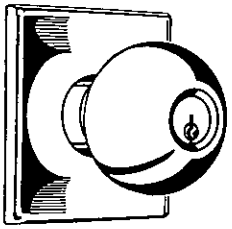
LOTUS
(Discontinued)



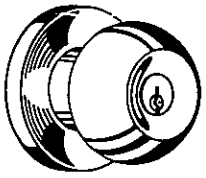
MONARCH
(Discontinued)



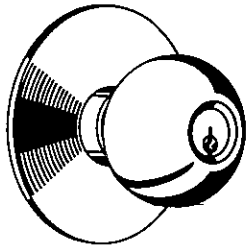
CLAREMONT
(Discontinued)



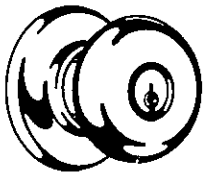
GLOBE/COMET
See Page 46



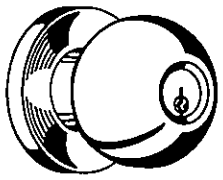
SATURN
(Discontinued)



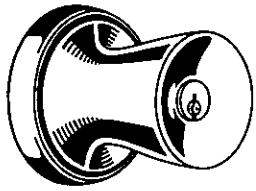
SPHERE/PLANET
See Page 46



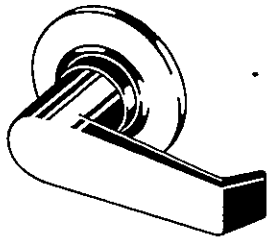
CAMBRIDGE



BALL/ORBIT
See Page 46



TREND
(Discontinued)
See Page 46



LEVON

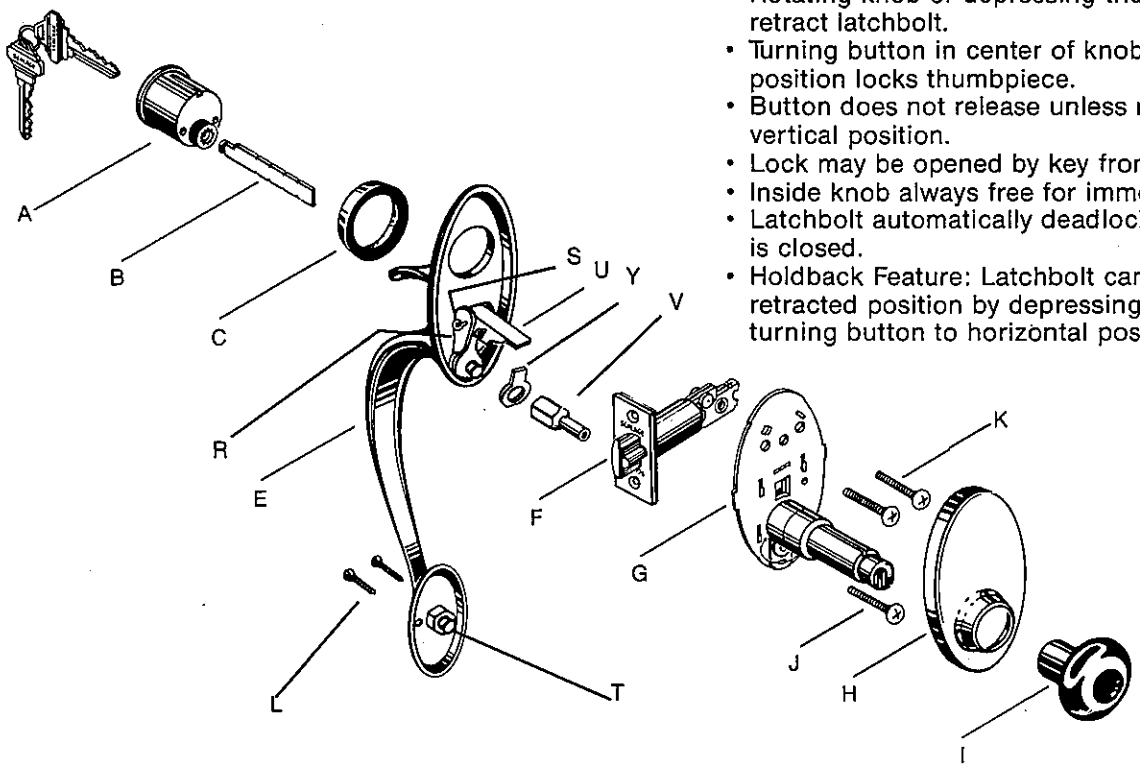
Index

Series Locks **E**

E51PD

Entrance Lock

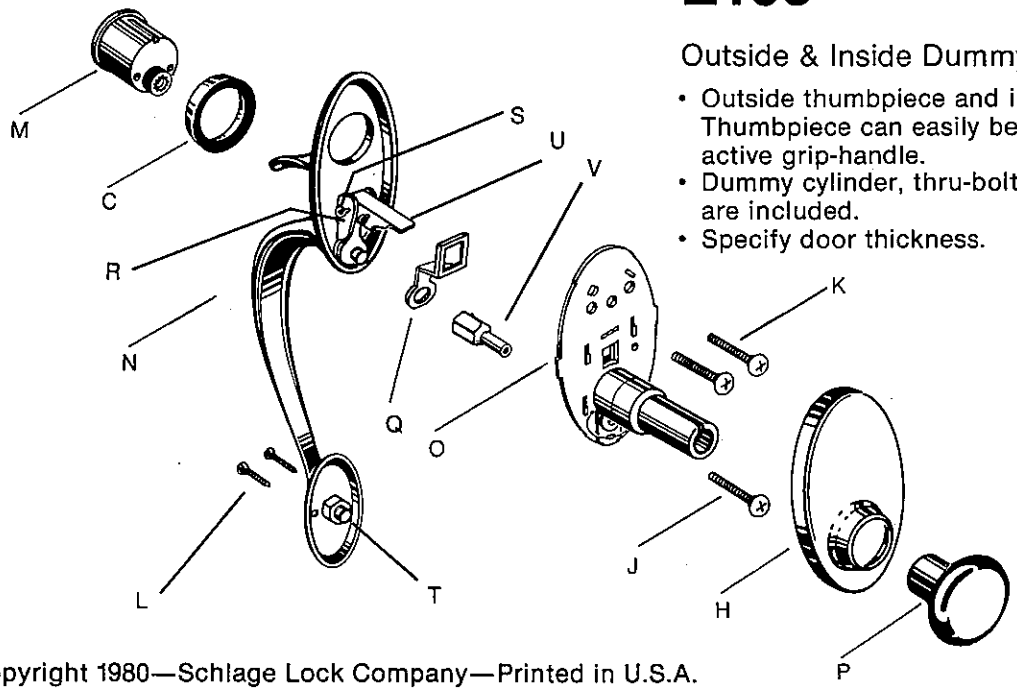
- Rotating knob or depressing thumbpiece will retract latchbolt.
- Turning button in center of knob to horizontal position locks thumbpiece.
- Button does not release unless manually restored to vertical position.
- Lock may be opened by key from outside.
- Inside knob always free for immediate exit.
- Latchbolt automatically deadlocks when door is closed.
- Holdback Feature: Latchbolt can also be locked in retracted position by depressing thumbpiece and turning button to horizontal position.



E193

Outside & Inside Dummy Trim

- Outside thumbpiece and inside knob are fixed. Thumbpiece can easily be converted to use as active grip-handle.
- Dummy cylinder, thru-bolts and wood screws are included.
- Specify door thickness.



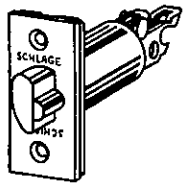
SYM.	NO.	DESCRIPTION	FUNCTIONS E51	E193
A	22-017	Cylinder Unit, 5 Pin (Less bar)	●	
	22-019	Cylinder Unit, 6 Pin (Less bar)	●	
B	E205-204	Cylinder Bar, 1¾" to 2¼" Doors	●	
C	36-074	Cylinder Trim Ring, 5/16"	●	●
D	36-075	Trim Ring Spacer 5/32"	●	
E	05-001	Handle & Thumbpiece	●	
F	12-100	Deadlatch, 9/16" Throw, 2⅜" BS	●	
	12-103	Deadlatch, 9/16" Throw, 2¾" BS	●	
G	05-014	Chassis & Plunger	●	
H	05-009	Rose, Inside	●	●
I	05-012	Knob or Lever, Inside Open	●	
J	A501-161	Screw, Post (1 req.)	●	●
K	A501-162	Screw, Cyl., 5 Pin 1¾" to 2¼" Drs. (2 req.)	●	●
	E505-317	Screw, Cyl., 6 Pin 2" to 2¼" Drs. (2 req.)	●	●
*L	B202-821	Screw, Handle (2 req.) Qty. varies by design	●	●
M	25-007	Dummy Cylinder		●
N	05-010	Handle & Thumbpiece		●
O	E205-192	Plate & Spring		●
P	05-011	Knob or Lever, Inside Closed		●
Q	E505-000	Thumbpiece Stop		●
R	E505-024	Thumbpiece Hinge	●	●
S	E505-026	Cotter Pin 2 ea.	●	●
T	E505-028	Hex Nut	●	●
U	E505-216	Thumpiece Shoe	●	●
V	E505-217	Top Nut	●	●
W	E505-332	Slide Spring (Knob) 2 ea.	●	
X	B502-504	Slide Spring (Lever) 2 ea.	●	
Y	E505-329	Hinge Washer	●	
			E51	E193

Specify Design & Finish When Required

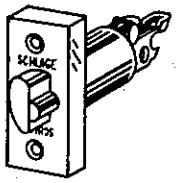
*For most designs, except as follows:

E505-124 For Majorca, Naco, Rio, Sussex, Weymouth	1 ea.
F506-356 For Parthenon	2 ea.
B502-120 For Salem	2 ea.

Deadlatches , Strikes



Standard E Series
12-100 or 12-103

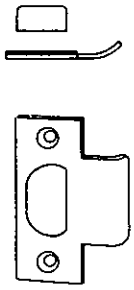


Rabbeted Deadlatch
12-102 or 12-105

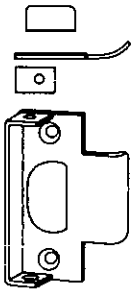
Deadlatches

Square adjustable 1⅛" faceplate unless otherwise indicated

2⅜"	9/16"	1"	1⅛", Standard	12-100
	9/16"	1"	Flat, ½" Rabbeted	12-102
2¾"	9/16"	1"	1⅛"	12-103
	9/16"	1"	Flat, ½" Rabbeted	12-105



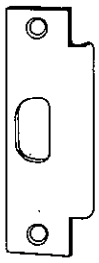
Standard
for Deadlatches
10-001



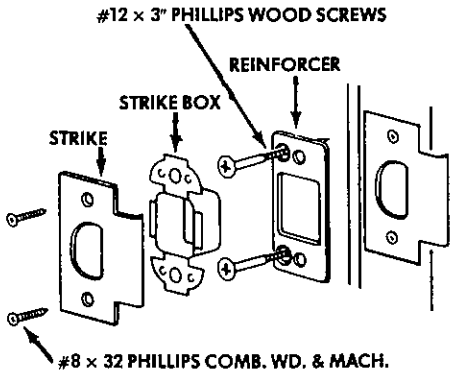
Rabbeted
for Deadlatches
10-003

Strikes

Description	Lip Length	Number
Box, Standard, Latches	1⅛"	10-001
Special Lip	1" or 1¼"	10-001
Special Lip	1½", 1¾" or 2"	10-001
½" Rabbeted	1⅛"	10-003
¼" Radius Rounded Corner	1⅛"	10-004
Raised Lip ¼"	1⅛"	10-006
ANSI, 1¾" Doors, 1¼ × 4⅞"	1 3/16"	10-006
ANSI, Special Lip	1", 1¼" or 1⅜"	10-025
Circular Adj., 1¾" Diameter	1⅛"	10-058



ANSI
for Deadlatches
10-025



Strike
Wood Frame
Reinforcement 37-016

Mounting Screw & Cylinder Bar Guide

5 Pin Cylinder

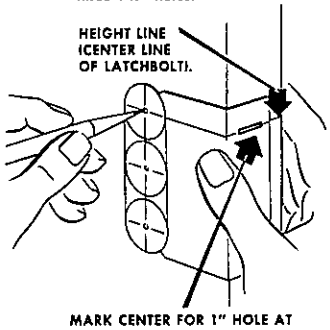
FUNCTION	DOOR THICKNESS	SCREW(S) No.	SCREW(S) Length	SCREW(S) Des.	CYLINDER BAR No.	CYLINDER BAR Length
E51PD GROUP I DESIGNS Avon Castile Chilton Francesca Madrid Murchison Naco Oliver Pompeii Valencia Viceroy Weymouth	1¾," 1⅞"	A501-162 A501-161	2-1/16" 1-⅛"	Cyl. Post	E205-204	3"
	2," 2⅛"	E505-317 A501-161	2-5/16" 1-⅛"	Cyl. Post	E205-204	3"
	2¼"	A501-163 A501-161	2-½" 1-⅛"	Cyl. Post	E205-204	3"
E51PD GROUP II DESIGNS Bowman Dorchester Kenwood Majorca Salem Waverly	1¾," 1⅞"	A501-162 A501-162	2-1/16" 2-⅛"	Cyl. Post	E205-204	3"
	2," 2⅛," 2¼"	A501-163 A501-161	2-½" 1⅛"	Cyl. Post	E205-204	3"
E51PD GROUP III DESIGNS Cavalier Parthenon Plymouth Rio Sussex	1¾," 1⅞," 2," 2⅛," 2¼"	E505-317 A501-161	2-5/16" 1-⅛"	Cyl. Post	E205-204	3"

6 Pin Cylinder

E51PD Group I & Group II Designs	1¾," 1⅞"	A501-162 A501-161	2-1/16" 1-⅛"	Cyl. Post	E205-204	3"
	2," 2⅛," 2¼"	E505-317 A501-161	2-5/16" 1-⅛"	Cyl. Post	E205-204	3"
E51PD Group III Designs	1¾," 1⅞," 2," 2⅛," 2¼"	E505-317 A501-161	2-5/16" 1-⅛"	Cyl. Post	E205-204	3"

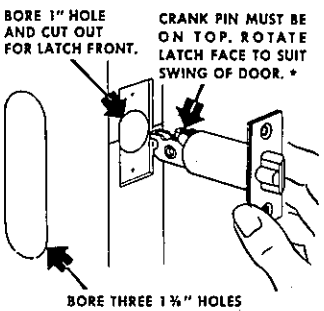
1 MARK DOOR

Mark height line (center line of latchbolt) on edge of door. Suggested height from floor 40½". Mark center point of door thickness in height line. Position top center line of template on height line. Hold in place and mark center points for three 1⅜" holes.



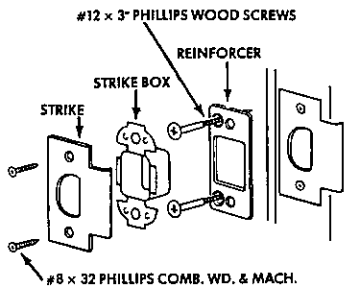
2 BORE HOLES

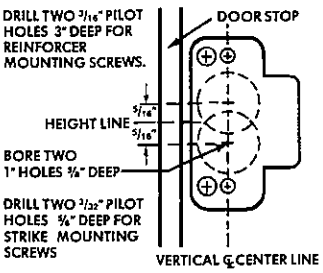
Bore three 1⅜" holes at points marked through template and cut out excess wood. Bore a 1" hole straight into edge of door at center point on height line. Cut out for latch front. Insert latchbolt unit (crank-pin must be on top) and fasten with screws.

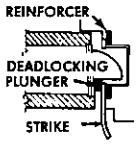


3 INSTALL STRIKE BOX & WOOD FRAME REINFORCER

Mark vertical ℄ center line and height line on jamb exactly opposite center point of latch hole. Place reinforcer on jamb and mark drill points for mounting screw pilot holes. Align and trace around strike plate for mortise guidelines.



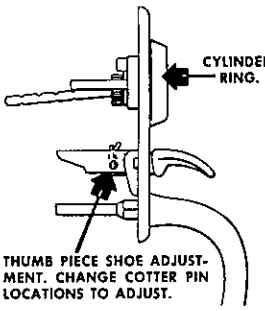




DEADLOCKING PLUNGER ON LATCHBOLT STOPS AGAINST STRIKE, PREVENTING FORCING WHEN DOOR IS CLOSED.

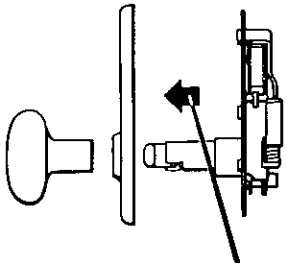
4 ADJUST

"E" Locks are adjustable for doors 1⅜" to 2¼" thick. Available from factory for thicker or thinner doors. Check thumb piece shoe for proper door thickness setting. To adjust, remove cotter pins and reassemble in holes corresponding to door thickness. Slip cylinder through cylinder ring and insert into grip handle.



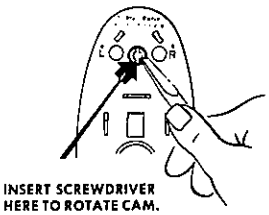
5 REMOVE INSIDE TRIM

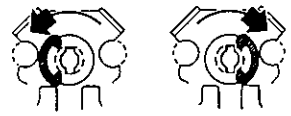
Use screwdriver to depress knob catch in slot underneath and near base of knob, and slide knob off spindle. Remove escutcheon from inside mechanism. (See operation 8.)



6 SET REVERSING CAM

"E" locks are reversible. To reverse operating cam insert screwdriver in bar slot and rotate cam (right or left as required) to same side of lock unit as latchbolt.

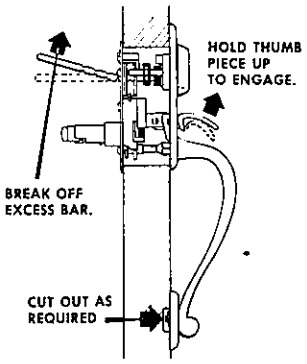




7 INSTALL MECHANISM

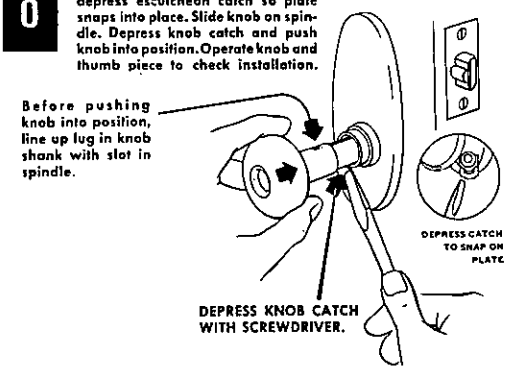
Slide inside and outside units together as illustrated. Fasten plate with 3 machine screws. Break off excess bar by bending sideways.

MAKE SURE REMAINING BAR DOES NOT EXTEND BEYOND THE MOUNTING SCREW HEADS

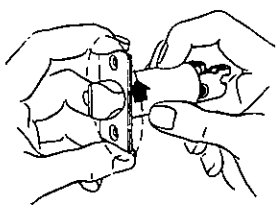


8 ATTACH TRIM

Put on inside escutcheon plate and depress escutcheon catch so plate snaps into place. Slide knob on spindle. Depress knob catch and push knob into position. Operate knob and thumb piece to check installation.



TURN LATCHBOLT IN DIRECTION OF LEAST RESISTANCE—DO NOT FORCE



*To adjust: Hold latch with Crank Pin on top as shown in illustration above and rotate the face plate to suit swing of door. This reversible latch unit has a self-adjusting face plate which permits it to be installed on either flat or bevel edge doors.

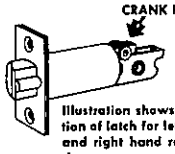


Illustration shows correct position of latch for left hand doors and right hand reverse swing doors.

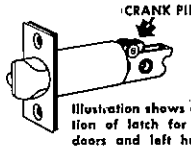
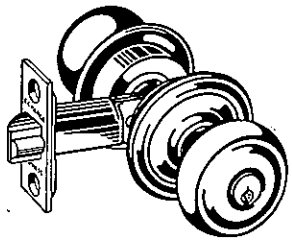
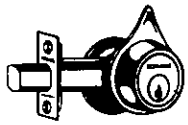


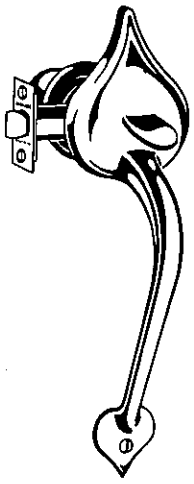
Illustration shows correct position of latch for right hand doors and left hand reverse swing doors.

Index

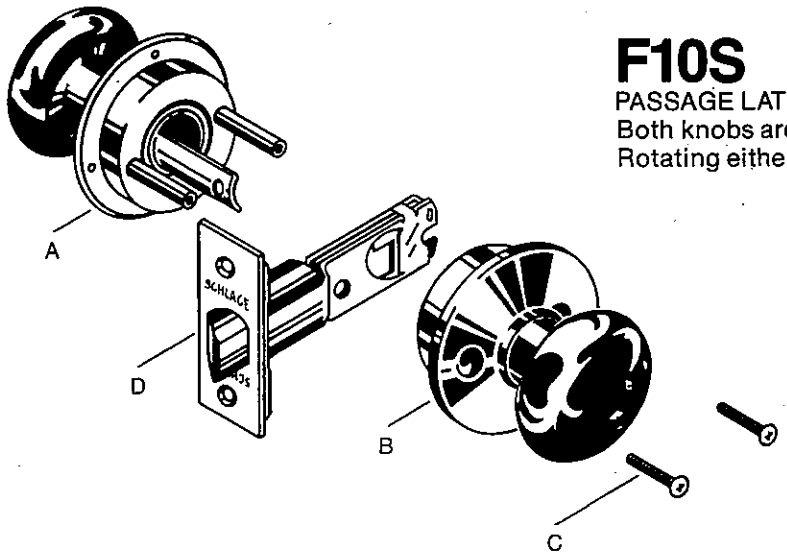


Series Locks **F**



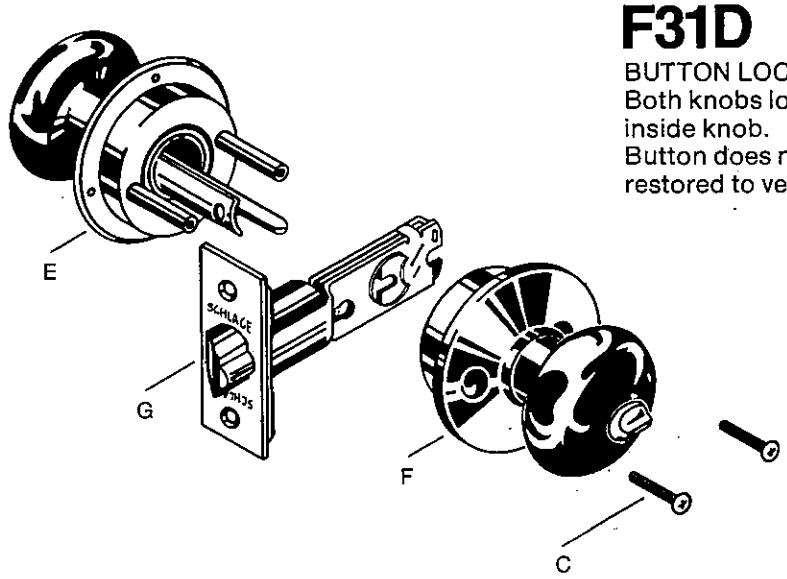


SCHLAGE Assembly Chart



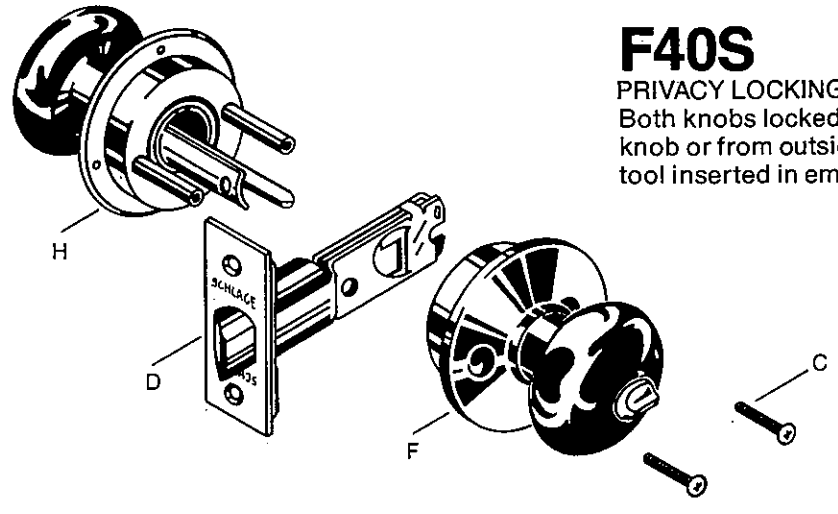
F10S

PASSAGE LATCH
Both knobs are always free.
Rotating either knob will retract latchbolt.



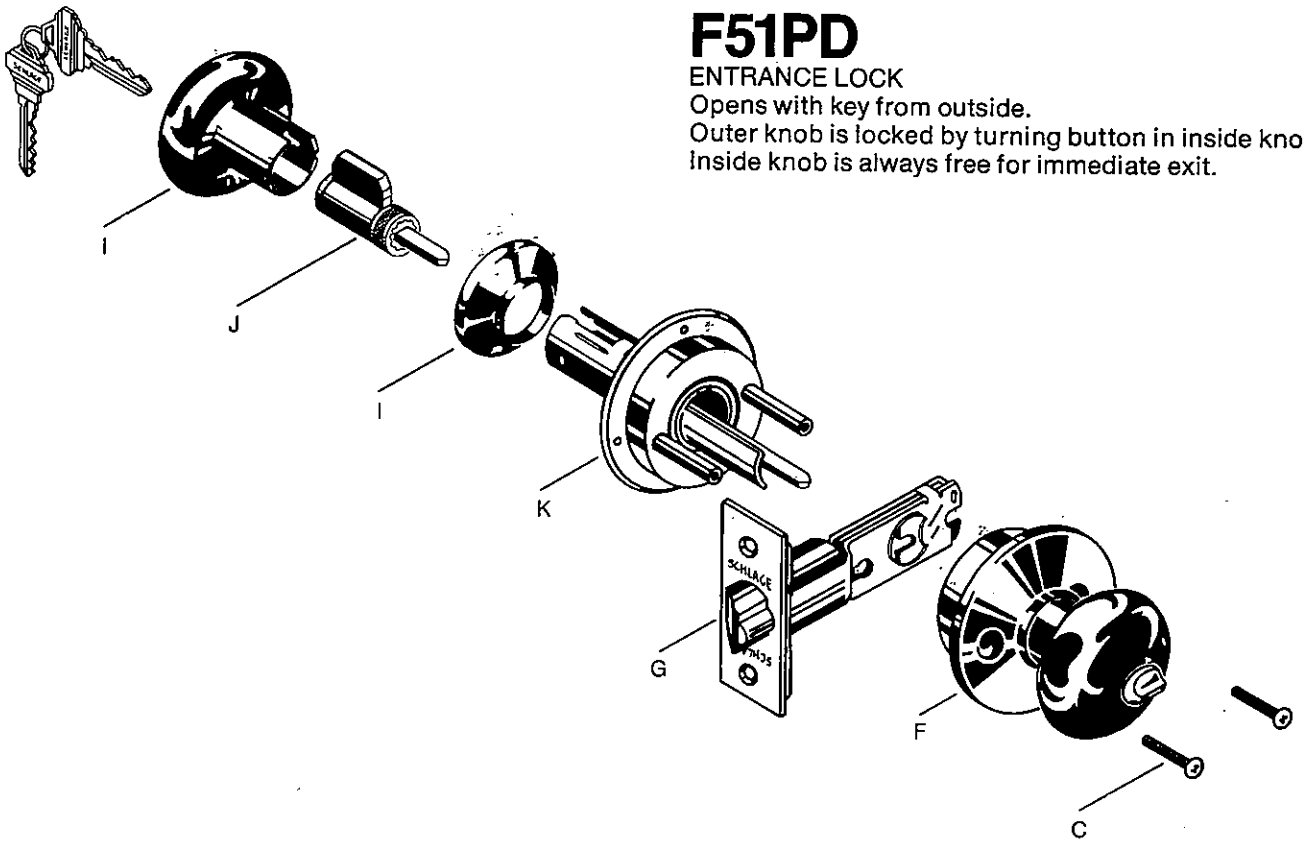
F31D

BUTTON LOCK
Both knobs locked or unlocked by turn-button in inside knob.
Button does not release unless manually restored to vertical position.



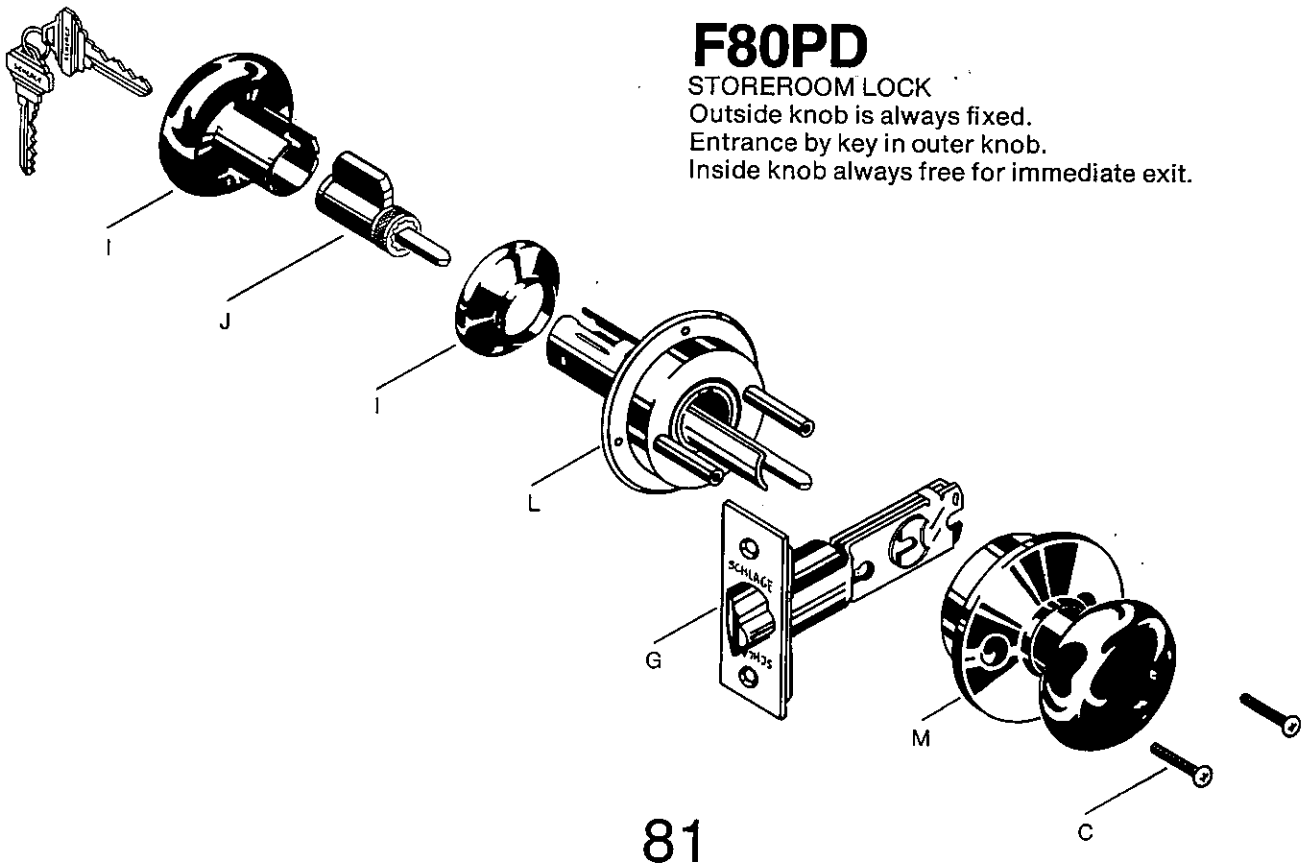
F40S

PRIVACY LOCKING LATCH
Both knobs locked or unlocked by turn-button in inside knob or from outside by screwdriver, nail file or similar tool inserted in emergency keyway.



F51PD

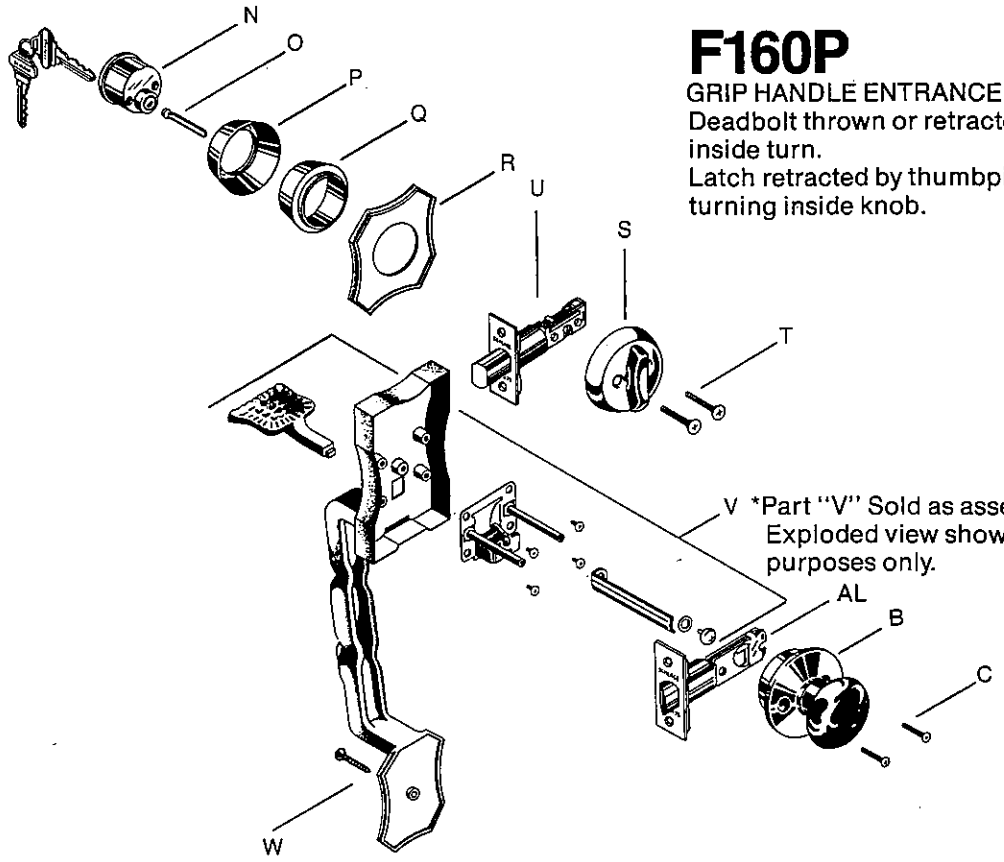
ENTRANCE LOCK
Opens with key from outside.
Outer knob is locked by turning button in inside knob.
Inside knob is always free for immediate exit.



F80PD

STOREROOM LOCK
Outside knob is always fixed.
Entrance by key in outer knob.
Inside knob always free for immediate exit.

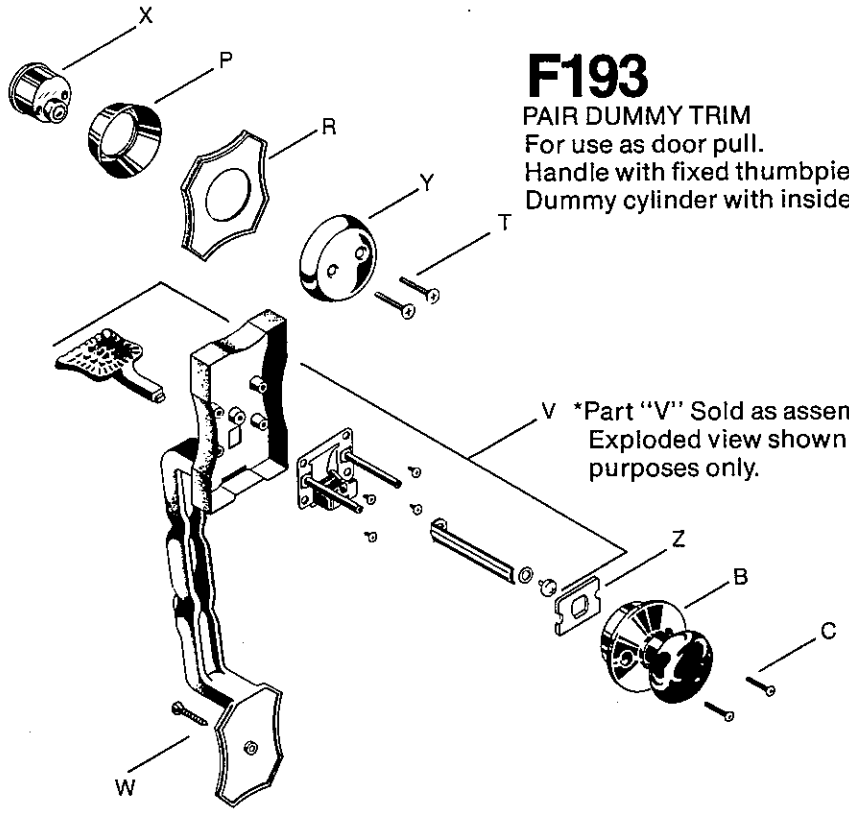
SCHLAGE Assembly Chart



F160P

GRIP HANDLE ENTRANCE LOCK WITH DEADBOLT
Deadbolt thrown or retracted by key from outside or by inside turn.
Latch retracted by thumbpiece from outside, or by turning inside knob.

V *Part "V" Sold as assembled unit only. Exploded view shown for assembly/disassembly purposes only.



F193

PAIR DUMMY TRIM
For use as door pull.
Handle with fixed thumbpiece and inside knob.
Dummy cylinder with inside plate.

V *Part "V" Sold as assembled unit only. Exploded view shown for assembly/disassembly purposes only.

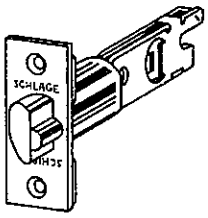
SYM.	NO.	DESCRIPTION	FUNCTIONS						
			F10	F31	F40	F51	F80	F160	F193
C	F506-199	Mounting Screw, (2 req.)	●	●	●	●	●	●	●
D	16-001	Springlatch 2⅜" BS	●		●				
G	16-019	Deadlatch, Std. 2⅜" BS		●		●	●		
J	29-001	Cylinder 5 Pin, 1⅜" to 1¾" Drs.				●	●		
N	22-017	Cylinder 5 Pin 1¾" to 2" Drs.						●	
	22-019	Cylinder 6 Pin 1¾" to 2" Drs.						●	
O	B520-067	Cyl. Bar 5 or 6 Pin 1¾" to 2" Drs.						●	
P	36-067	Cyl. Trim Ring, ⅞"						●	●
Q	36-069	Steel Insert, Trim Ring, ⅞"						●	
R	06-020	Cyl. Rose, Outside						●	●
S	B202-671	Rose & Turn, Inside						●	
T	B520-086	Cyl. Mounting Screws, 1¾" Dr.						●	●
	B520-087	Cyl. Mounting Screws, 2" Dr.						●	●
U	12-185	Deadbolt, 1" Throw, Std. 2⅜" BS						●	
W	B502-821	Screw, Handle						●	●
X	25-007	Dummy Cylinder Unit							●
Y	B502-815	Blank Rose, Inside							●
Z	F506-189	Dummy Stop							●
AL	16-023	Springlatch, 2⅜" BS						●	

Knobs and Levers

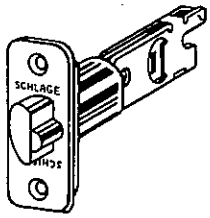
FUNCTION	SYM.	OUTSIDE	SYM.	INSIDE
F10S	A	06-025 Knob & Rose	B	06-014 Knob & Rose
	A	06-025 Lever & Rose	B	06-037 Lever & Rose
For Lever & Knob	A	06-025 Lever & Rose	B	06-037 Knob & Rose
F31D	E	06-026 Knob & Rose	F	06-022 Knob & Rose
		Lever Not Available	F	06-038 Lever & Rose
F40S	H	06-027 Knob & Rose	F	06-015 Knob & Rose
	H	06-027 Lever & Rose	F	06-038 Lever & Rose
For Lever & Knob	H	06-027 Lever & Rose	F	06-038 Knob & Rose
F51PD	I	06-019 Knob & Sleeve	F	06-022 Knob & Rose
	K	06-021 Spindle & Rose	F	06-015 Lever & Rose
		Lever Not Available		
F80PD	I	06-019 Knob & Sleeve	M	06-023 Knob & Rose
	L	06-024 Spindle & Rose	M	06-014 Lever & Rose
		Lever Not Available		
F160P and F193	V	06-016 Handle & Thumbpiece	B	06-014 Knob & Rose
			B	06-037 Lever & Rose

Specify Design & Finish When Required

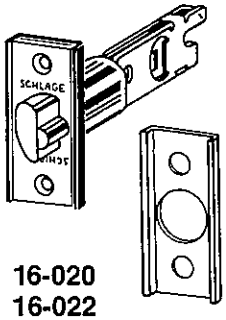
Deadlatches , Springlatches



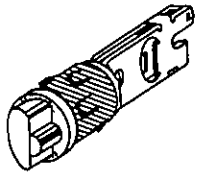
16-019
16-021



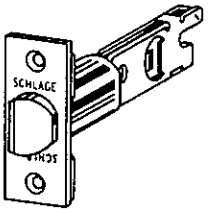
16-027
16-028



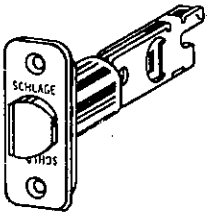
16-020
16-022
with 38-025 latch front filler



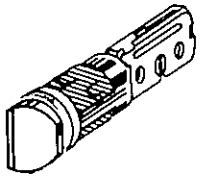
16-029
16-030



16-001
16-005
16-023
16-025



16-002
16-006



16-004
16-008
16-024
16-026

Deadlatches

Adj. face., ⅞" housing unless otherwise noted

Backset	Faceplate	Number
2⅜"	1" Square Corner Standard	16-019
½" Throw	1⅛" Square Corner	16-020
	1" ¼" Rad. Rd. Corner	16-027
	1" Circular Drive-in, 1" Hsg.	16-029
2¾"	1" Square Corner	16-021
½" Throw	1⅛" Square Corner	16-022
	1" ¼" Rad. Rd. Corner	16-028
	1" Circular Drive-in, 1" Hsg.	16-030

Springlatches, F10-F40

Adj. face., ⅞" housing unless otherwise noted

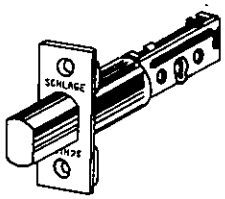
Backset	Faceplate	Number
2⅜"	1" Square Corner Standard	16-001
⅜" Throw	1" ¼" Rad. Rd. Corner	16-002
	1" Circular Drive-in, 1" Hsg.	16-004
2¾"	1" Square Corner	16-005
⅜" Throw	1" ¼" Rad. Rd. Corner	16-006
	1" Circular Drive-in, 1" Hsg.	16-008

Springlatches, F160

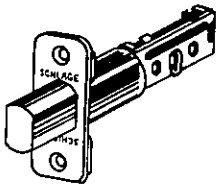
Adj. face., ⅞" housing unless otherwise noted

Backset	Faceplate	Number
2⅜"	1" Square Corner Standard	16-023
⅜" Throw	1" Circular Drive-in, 1" Hsg.	16-024
	1" ¼" Rad. Rd. Corner	16-037
2¾"	1" Square Corner	16-025
⅜" Throw	1" Circular Drive-in, 1" Hsg.	16-026
	1" ¼" Rad. Rd. Corner	16-038

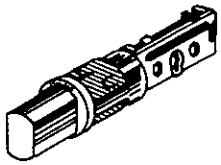
Deadbolts, Strikes



12-185
12-187



12-189
12-190



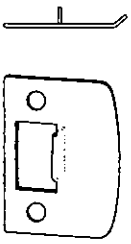
12-186
12-188

Deadbolts, F160

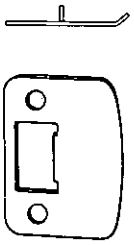
Backset	Bolt Throw	Faceplate	Number
2⅜″	1″	1″ ⅞″ Housing	12-185
	1″	1″ Circular Drive-in, 1″ Hsg.	12-186
	1″	1″ ¼″ Radius Rounded Corner	12-189
2¾″	1″	1″ ⅞″ Housing	12-187
	1″	1″ Circular Drive-in, 1″ Hsg.	12-188
	1″	1″ ¼″ Radius Rounded Corner	12-190

Strikes

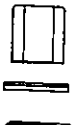
Description	Lip Length	Number
"T" Strike Sq. Corner	1⅛″	10-001
Special Lip	1″ or 1¼″	10-001
Special Lip	1½″ 1¾″ or 2″	10-001
ANSI, 1¾″ Doors, 1¼ × 4⅞″	1³⁄₁₆″	10-025
Full Lip, No Box, Sq. Corner	1⅛″	10-026
Full Lip, No Box, ¼″ Radius Rounded Corner	1⅛″	10-027
Box, Standard, All Deadbolts	---	10-055
Circular Adj., 1¾″ Diameter	1⅛″	10-058



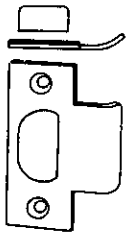
Standard
for Latches
10-026



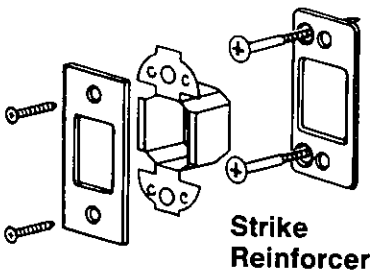
¼″ Radius
Rounded Corner
10-027



Standard
for Deadbolts
10-055



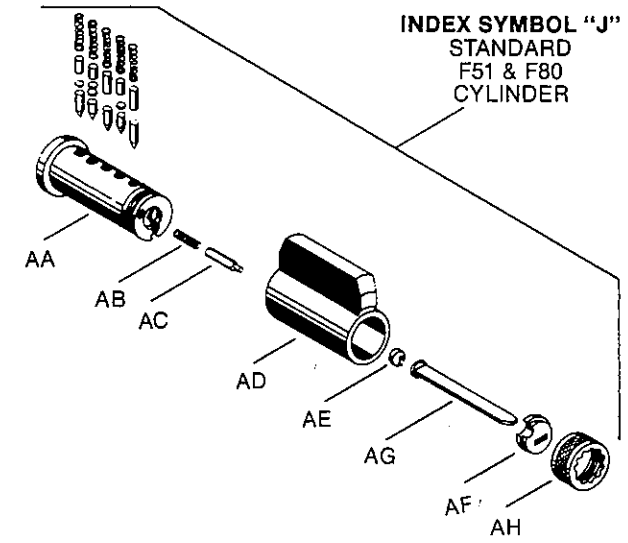
10-001
"T" Strike
Sq. Corner

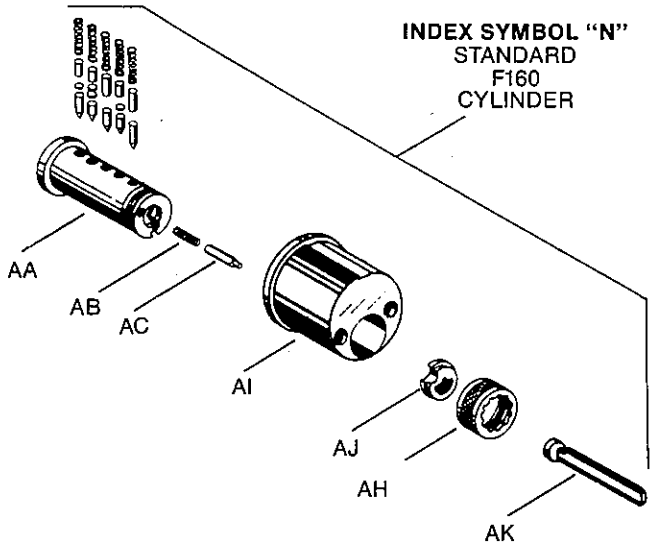


Strike
Reinforcer
37-016

Cylinder Units

Complete cylinder units may be ordered. Use index symbol shown below to determine part number.





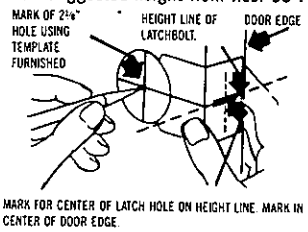
AA	33-005	Cylinder plug, 5 pin
AB	C503-115	Cylinder cap spring
AC	C503-116	Cylinder cap pin
AD	A501-459	Cylinder body, 5 pin
AE	C603-098	Cylinder disc
AF	C503-346	Cylinder driver
AG	C503-347	Cylinder bar
AH	C503-118	Cylinder cap
AI	B202-811	Cylinder body & faceplate, 5 pin
AJ	B502-165	Cylinder driver
AK	B520-067	Cylinder bar 5 pin

SCHLAGE F/Installation Instructions

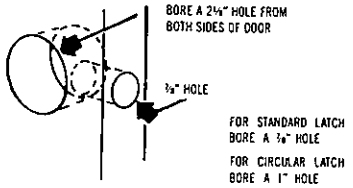
FOR NEW LOCK INSTALLATION: Follow Steps 1 through 4 to prepare door and frame. **Doors thicker than 1⅞" require special locks.**
TO REPLACE AN EXISTING LOCK:
Use cardboard marking template and latchbolt to check sizes of existing holes. Enlarge if necessary with wood rasp or similar tool. Use existing strike when possible. Be sure to check for proper latchbolt operation.

1 MARK DOOR

Mark height line of latchbolt on edge of door. Suggested height from floor 38".



2 BORE TWO HOLES

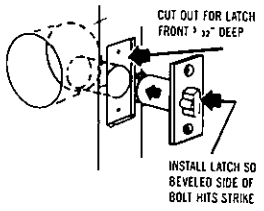


Tools: 2⅛", 1" or ⅞" bits, hand brace or power drill (½" chuck), hammer, wood chisel, Phillips screwdriver. For easier preparation, check with dealer on availability of other installation tools.

3 INSTALL LATCH

Follow 3A for standard latch and 3B for circular latch installation.

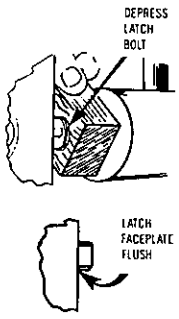
3A: STANDARD LATCH



3B: CIRCULAR LATCH

Insert latch partially into 1" diameter latch bolt hole. Line up beveled face of latch bolt with edge of jamb. Push latch into hole as far as it will go.

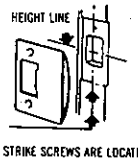
Place wooden block against bolt. Apply enough force to depress bolt. Tap block with mallet to drive latch into hole. Surface of latch faceplate should be flush with edge of door.



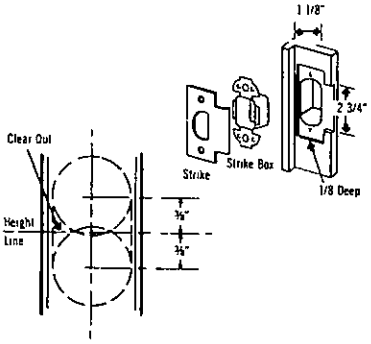
4 INSTALL STRIKE

Mark vertical line and height line on frame exactly opposite center point of latch hole.

Step 1.
FOR FULL LIP STRIKE mark screw holes for strike so that screws lie on same vertical center line as latch screws. Cut out frame providing for clearance of latch bolt and strike tongue and install strike.

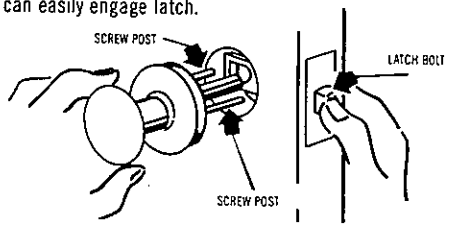


Step 2.
FOR T STRIKE bore two ⅞" holes, 11/16" deep in frame on vertical line ⅜" above and below height line.



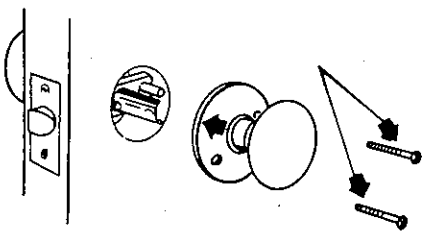
5 ATTACH OUTSIDE KNOB

Latch unit must be in place before installing lock. Insert lock mechanism from outside of door, partially depressing latchbolt so that screw posts and spindle tongue can easily engage latch.



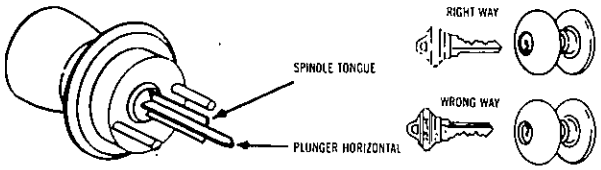
6 ATTACH INSIDE KNOB

Slip on inside mechanism and fit screw posts and spindle into the appropriate openings. Secure with machine screws. Operate both knobs; also check installation for proper functioning of lock.



7 TO CHANGE LOCK HAND ON F51PD

If necessary to change the hand of the F51PD lock so cylinder will be correctly located as shown below, position plunger horizontally to lock outside knob. Then rotate spindle tongue to opposite side.



REKEYING INFORMATION:

TO REMOVE KNOB:

1. Insert key into cylinder
2. Rotate key quarter turn in clockwise direction
3. Locate appropriate hole on hub of outside knob and use a pointed tool to depress knob catch. Then pull knob off.

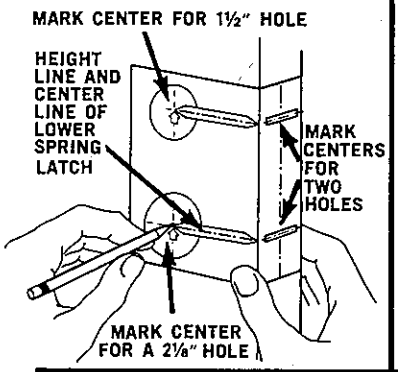
TO REPLACE KNOB:

1. Insert key into cylinder
2. Slide knob onto spindle up to knob catch
3. Turn key quarter turn in clockwise direction
4. Depress knob catch and push knob into position

SCHLAGE F/Installation Instructions

1 MARK DOOR

Mark height line on edge of door. Suggested height from floor is 38". Mark center point of door thickness. Position template with center line for lower latch hole on height line. Mark centers as shown below.

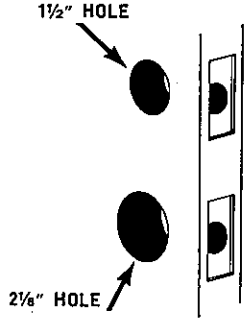


2 BORE FOUR HOLES

Bore a 1½" hole and a 2⅛" hole from both sides of door.

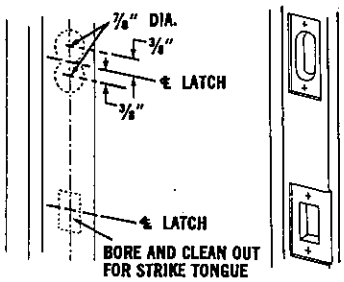
STANDARD LATCHES
Bore two holes into edge of door and mortise for latch front as shown below. (See template)

CIRCULAR LATCHES
Bore two 1" holes into edge of door and see supplementary sheet (P507-996).



3 INSTALL STRIKES-

—on jamb exactly opposite center points of latch holes. Locate centers, bore and clear out holes for strike box. Mortise jamb for strike fronts and install strikes.

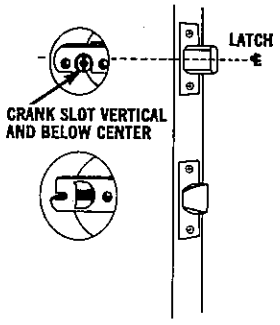


STRIKE SCREWS MUST BE ON SAME VERTICAL CENTER LINE AS LATCH SCREWS

4 INSTALL LATCH UNITS

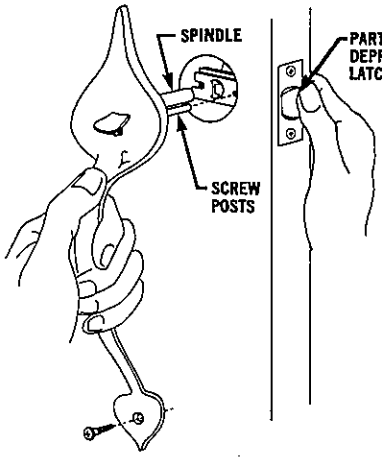
Throw bolt so crank slot is vertical. Insert deadbolt unit into door with crank below center.

NOTE: Do not hit or exert pressure on bolt when inserting latch unit. If resistance is met press firmly on latch faceplate. Install spring latch below deadbolt. Spring latches are reversible. Install to suit swing of door.

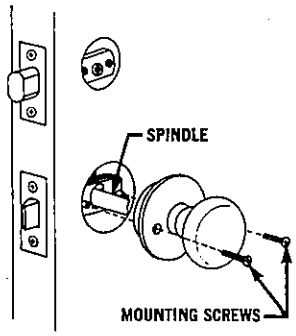


5 INSTALL GRIP HANDLE UNIT

Insert outside grip handle unit by partially depressing spring latch and installing spindle and screw posts into spring latch unit.

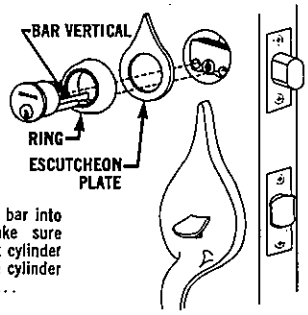


Check proper operation of lock by trying thumb piece on outside trim.



Install inside trim so screw holes line up with screw posts and slides over spindle of outside trim. Insert mounting screws and tighten securely. Install wood screw at bottom of outside grip handle.

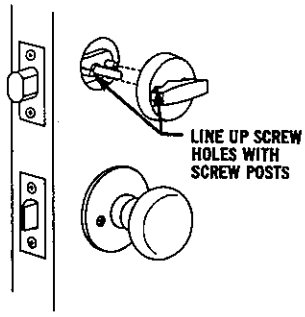
6 INSERT CYLINDER



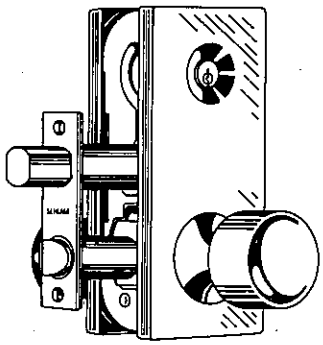
With key removed place cylinder driver bar into cylinder and position vertically. Make sure Schlage trademark is upright and insert cylinder thru ring and escutcheon plate. Engage cylinder bar and screw posts into deadbolt unit...

7 ATTACH THUMBTURN

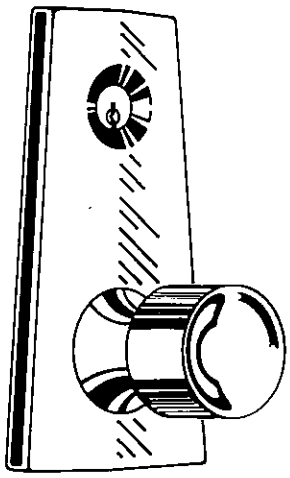
Stamp on back of thumbturn unit identifies top position. Line up mounting screws with screw posts. Slide thumbturn unit over cylinder bar. Retract bolt before inserting mounting screws and tighten.



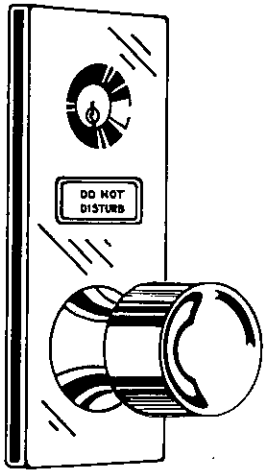
Index



Series Locks **G**



TRAPEZOID ROSE DESIGNS
MANUFACTURED PRIOR TO 1971



RECTANGULAR ROSE DESIGNS
MANUFACTURED FROM 1971

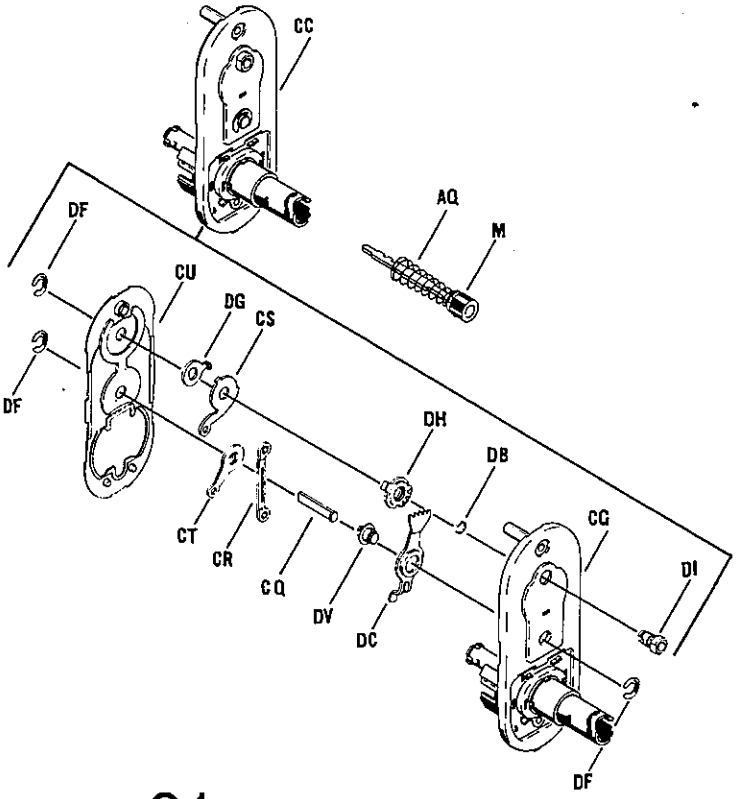
ALL PARTS ARE INTERCHANGEABLE FOR BOTH ROSE DESIGNS.

PARTS AND ASSEMBLY STANDARD BEFORE JANUARY 1977

All "G" series locks manufactured prior to January 1977 will assemble component CC as indicated on this page.

Part CU was modified in 1977 and has caused a change in assembly (and disassembly) of parts DF, CU, and DI. The change is apparent in part CU where the upper plate has been stamped to receive part DF.

Throughout this manual, all changed parts have been indicated with a circle. ◯ Please refer to the Index for an indication of the year the change was made.



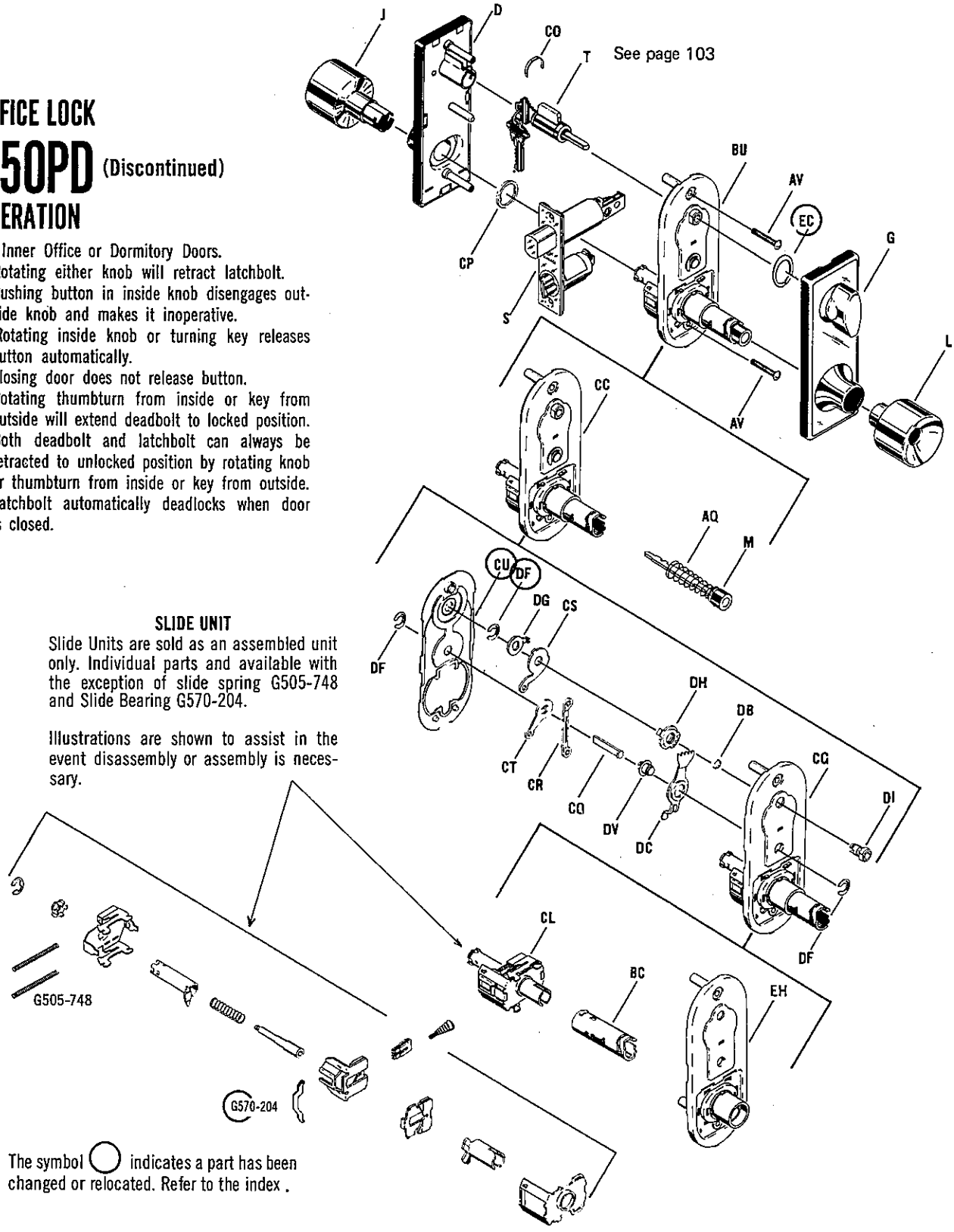
OFFICE LOCK

G50PD (Discontinued)

OPERATION

For Inner Office or Dormitory Doors.

- Rotating either knob will retract latchbolt.
- Pushing button in inside knob disengages outside knob and makes it inoperative.
- Rotating inside knob or turning key releases button automatically.
- Closing door does not release button.
- Rotating thumbturn from inside or key from outside will extend deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted to unlocked position by rotating knob or thumbturn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.

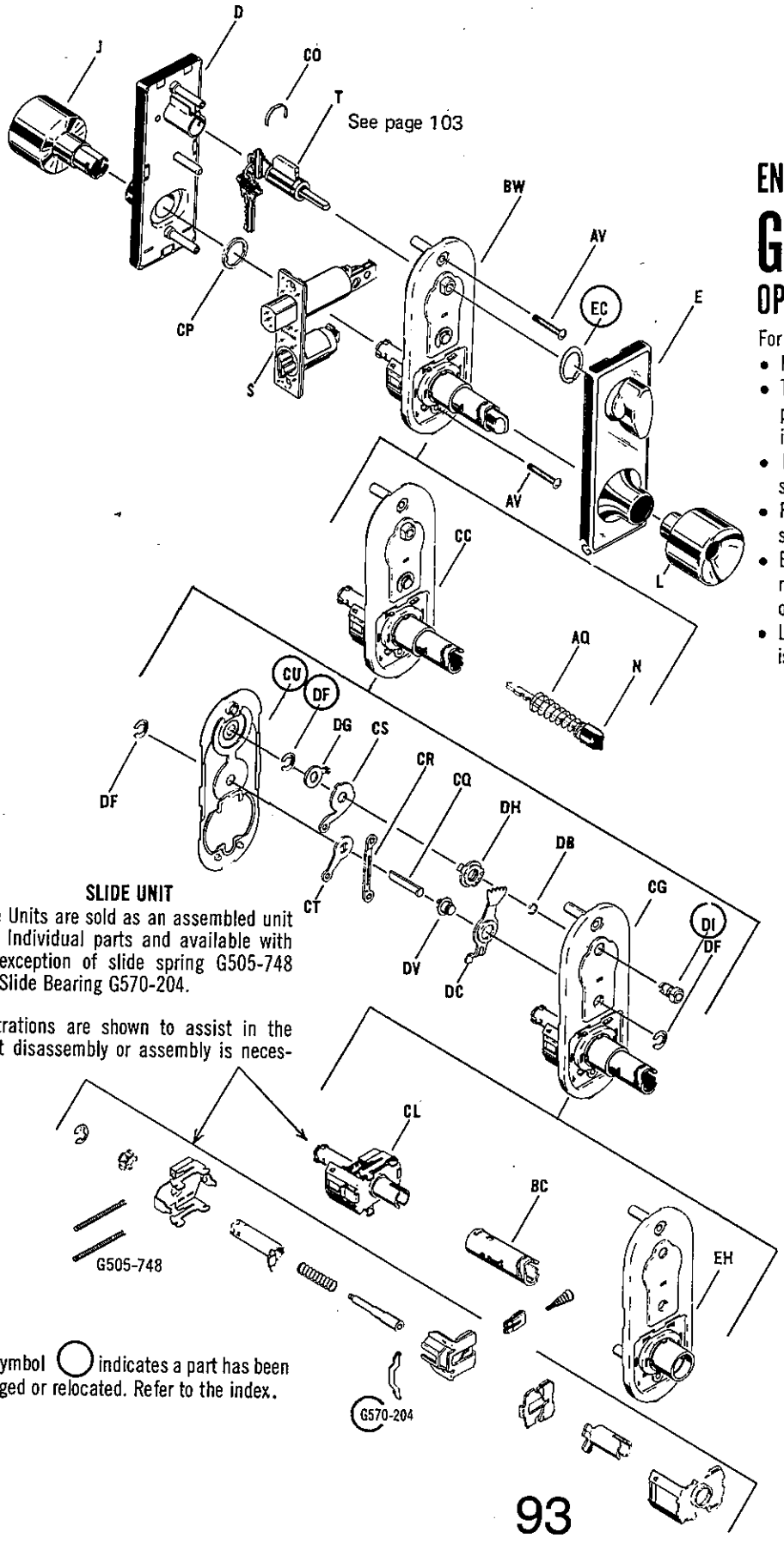


SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index .



ENTRANCE LOCK

G51PD (Discontinued)

OPERATION

For Entrance or Office Doors.

- Rotating either knob will retract latchbolt.
- Turning button in inside knob to horizontal position disengages outside knob and makes it inoperative.
- Button does not release unless manually restored to vertical position.
- Rotating thumbturn from inside or key from outside will extend deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted to unlocked position by rotating knob or thumbturn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.

SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index.

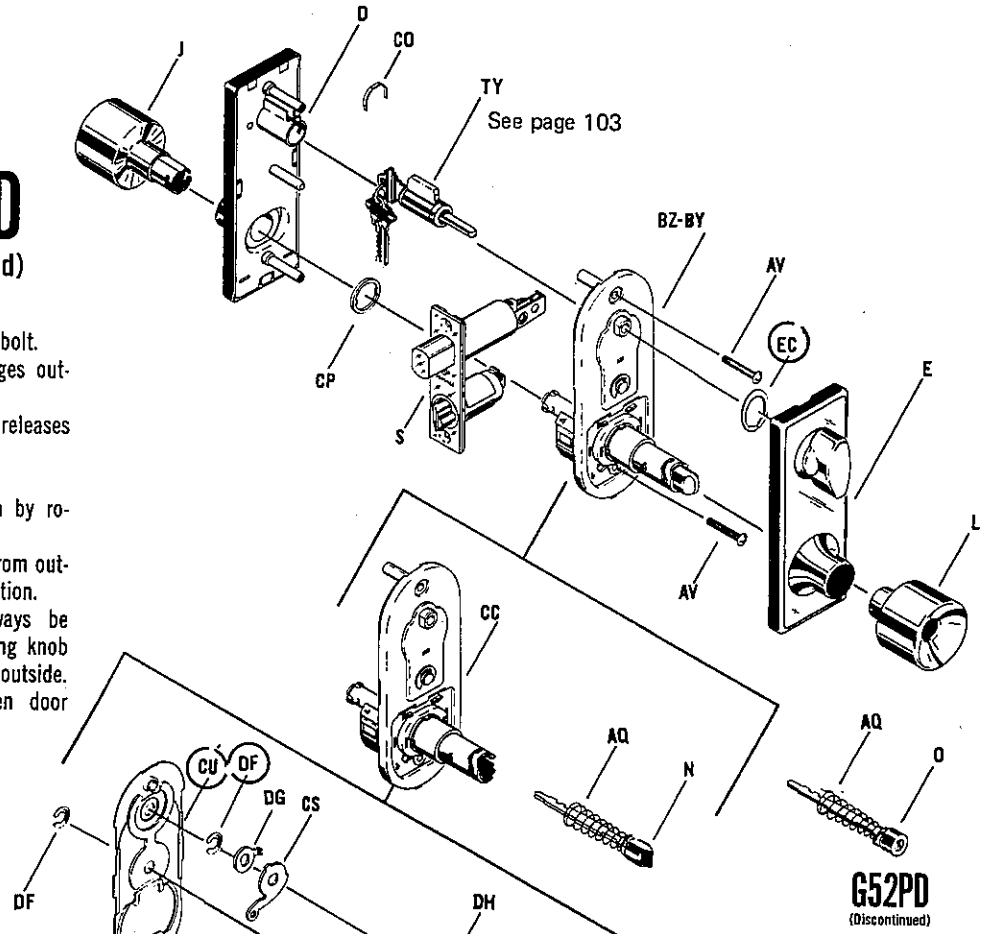
ALL PURPOSE LOCK

G53PD G52PD

OPERATION (Discontinued)

For Entrance or Corridor Doors

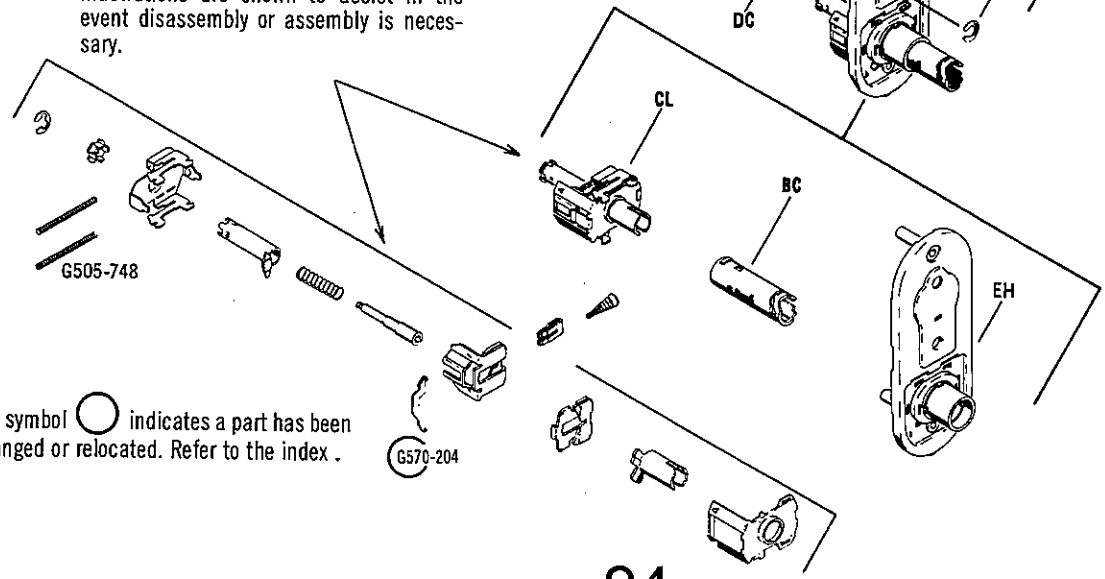
- Rotating either knob will retract latchbolt.
- Pushing button in inside knob disengages outside knob and makes it inoperative.
- Rotating inside knob or turning key releases button automatically.
- Closing door does not release button.
- Button may be fixed in locked position by rotating it to horizontal position.
- Rotating thumbturn from inside or key from outside will extend deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted to unlocked position by rotating knob or thumbturn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.



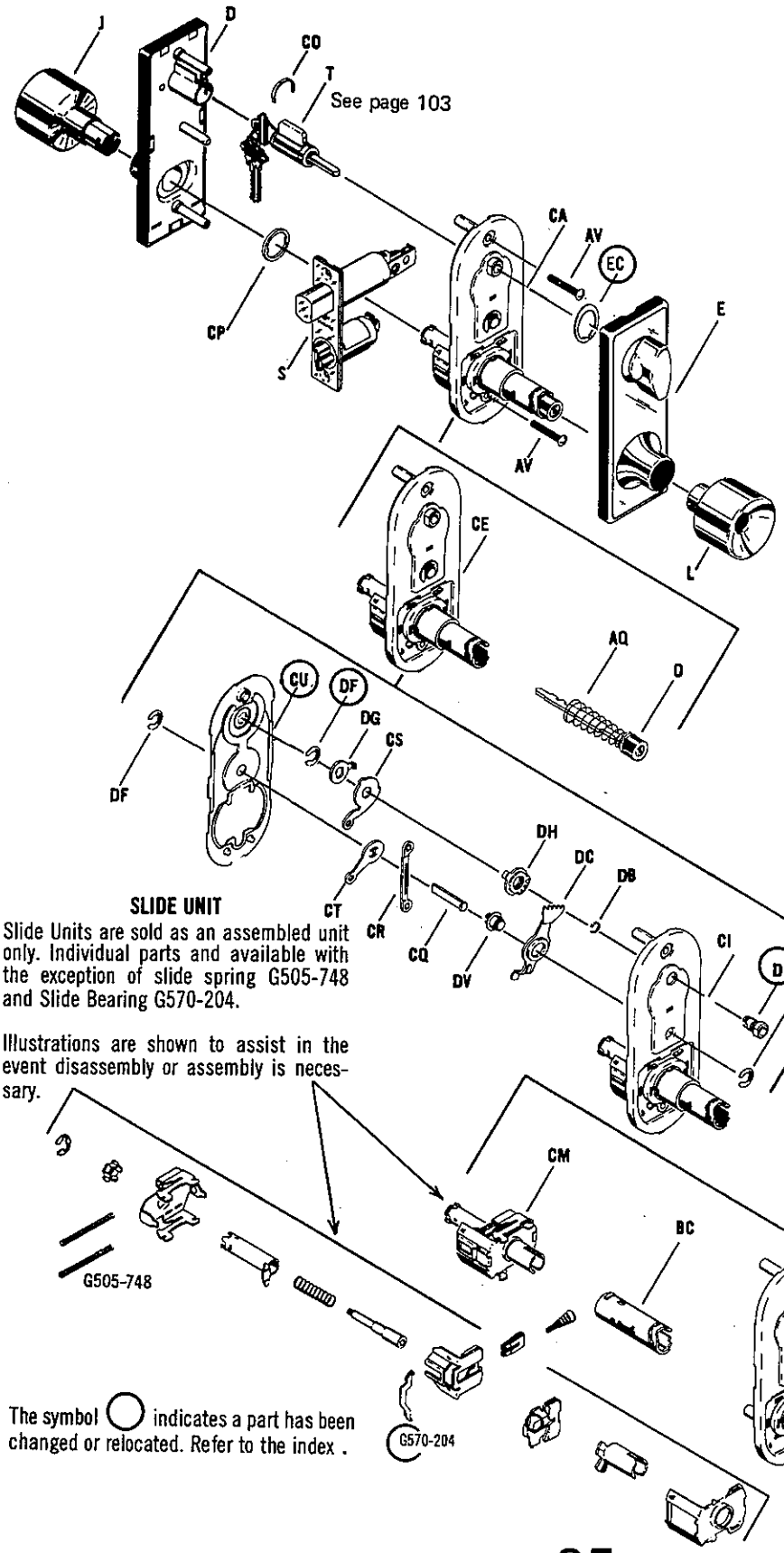
SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.



The symbol ◯ indicates a part has been changed or relocated. Refer to the index.



SERVICE STATION LOCK

G55PD (Discontinued)

OPERATION

For Service Station or Public Restroom Doors.

- Rotating either knob will retract latchbolt.
- Pushing button in inside knob disengages outside knob and makes it inoperative.
- Rotating inside knob, turning key or closing door releases button automatically.
- Button may be fixed in locked position by rotating it to horizontal position.
- Rotating thumbturn from inside or key from outside will extend deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted to unlocked position by rotating knob or thumbturn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.

SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index .

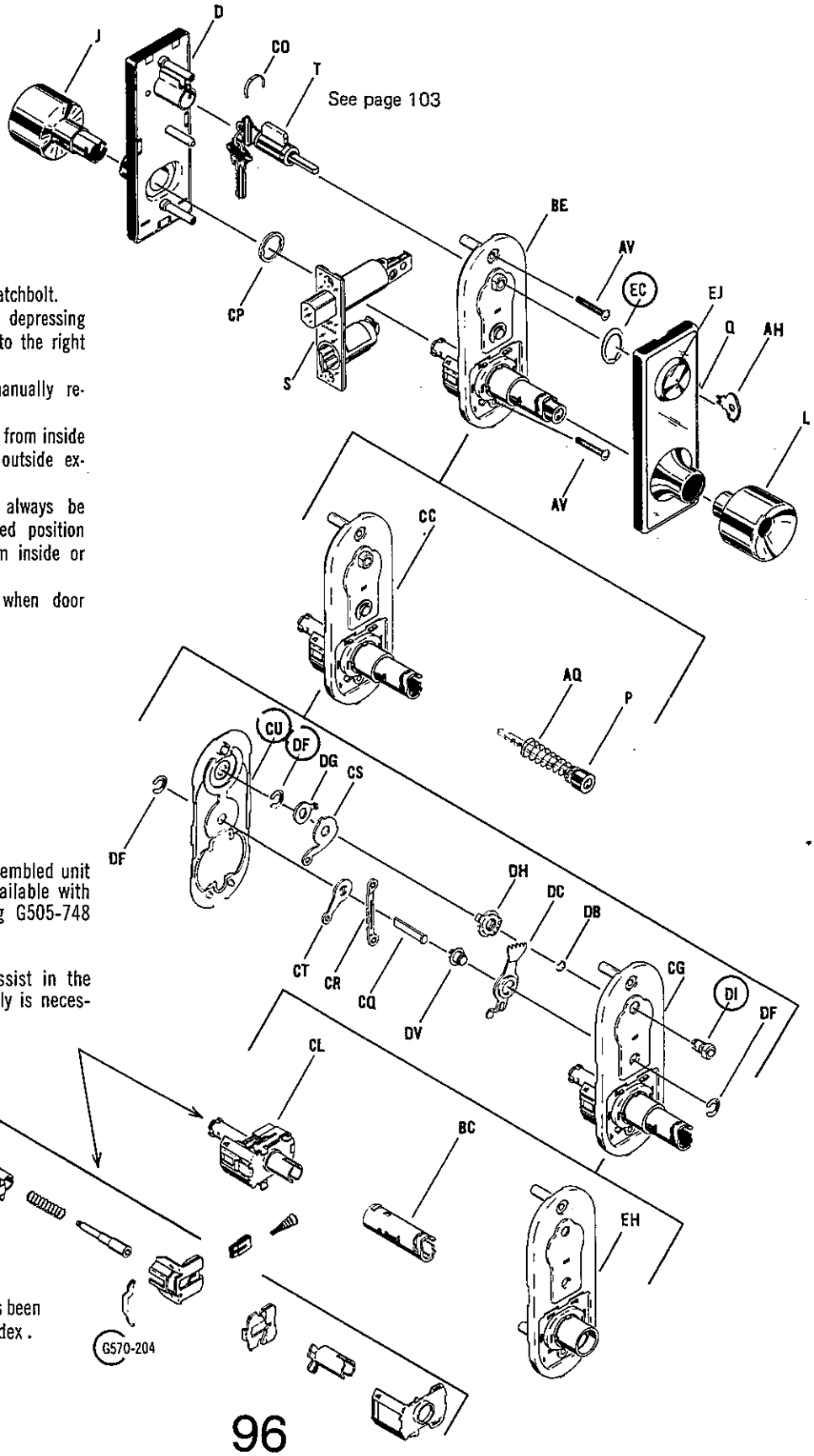
CLASSROOM LOCK

G70PD (Discontinued)

OPERATION

For Classroom or Utility Room Doors.

- Rotating either knob will retract latchbolt.
- Outside knob can be disengaged by depressing button in inside knob and rotating to the right with spanner key.
- Button does not release unless manually restored.
- Rotating flush turn with spanner key from inside or pin tumbler cylinder key from outside extends deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted simultaneously to unlocked position by rotating knob or flush turn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.

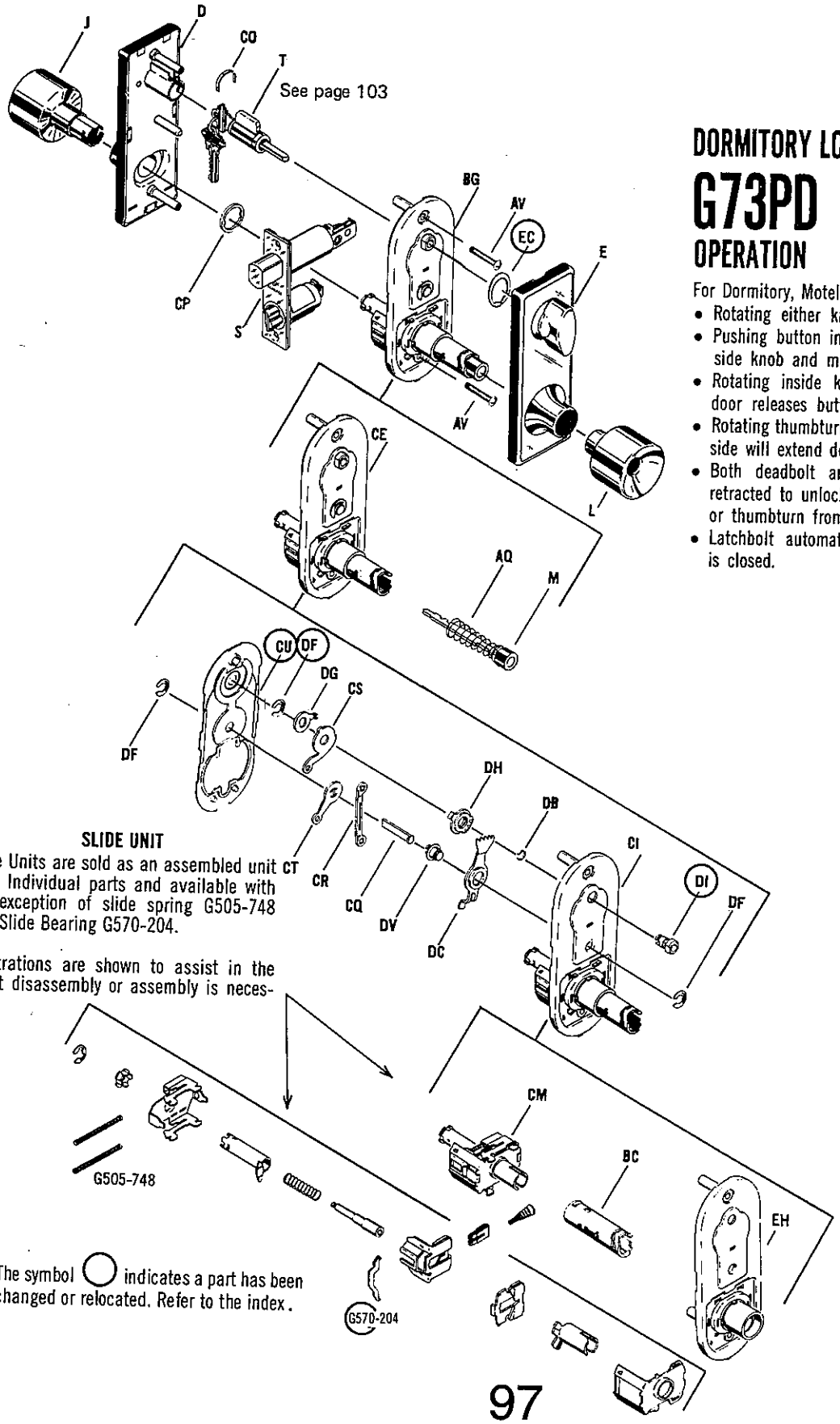


SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index.



DORMITORY LOCK

G73PD

OPERATION

For Dormitory, Motel or Public Restroom Doors.

- Rotating either knob will retract latchbolt.
- Pushing button in inside knob disengages outside knob and makes it inoperative.
- Rotating inside knob, turning key or closing door releases button automatically.
- Rotating thumbturn from inside or key from outside will extend deadbolt to locked position.
- Both deadbolt and latchbolt can always be retracted to unlocked position by rotating knob or thumbturn from inside or key from outside.
- Latchbolt automatically deadlocks when door is closed.

SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index.

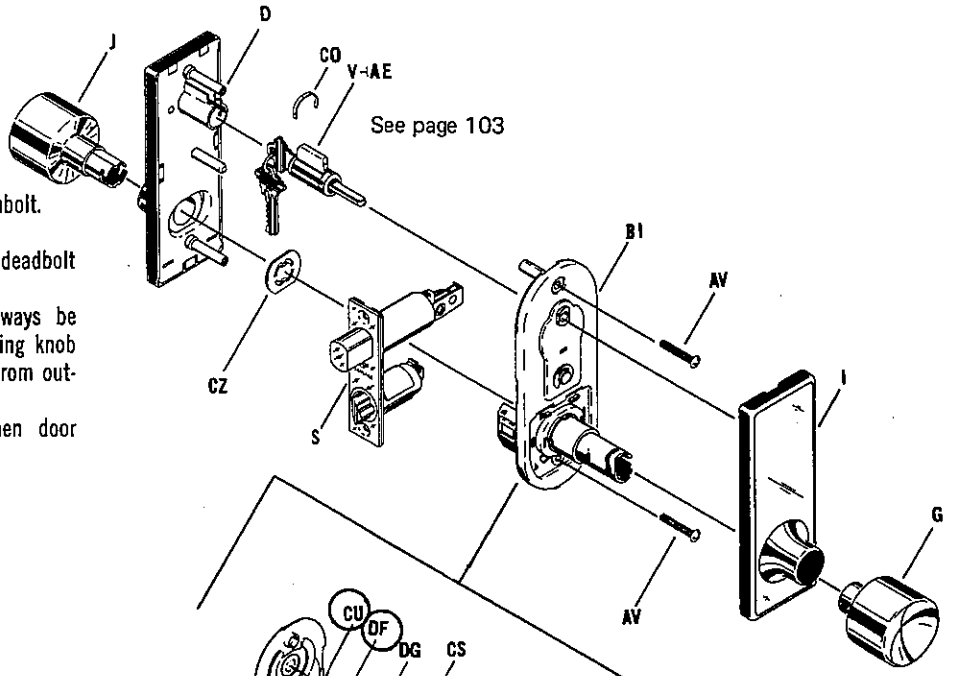
STOREROOM LOCK

G80PD

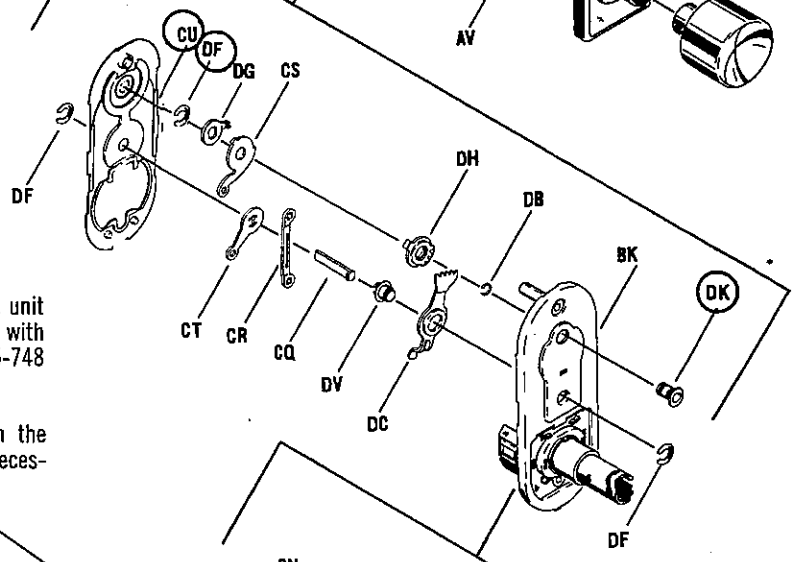
OPERATION

For Storeroom, Utility or Exit Doors.

- Rotating inside knob will retract latchbolt.
- Outside knob always fixed.
- Turning key from outside will extend deadbolt to locked position.
- Both deadbolt and deadlatch can always be retracted to unlocked position by rotating knob from inside for immediate exit or key from outside.
- Latchbolt automatically deadlocks when door is closed.



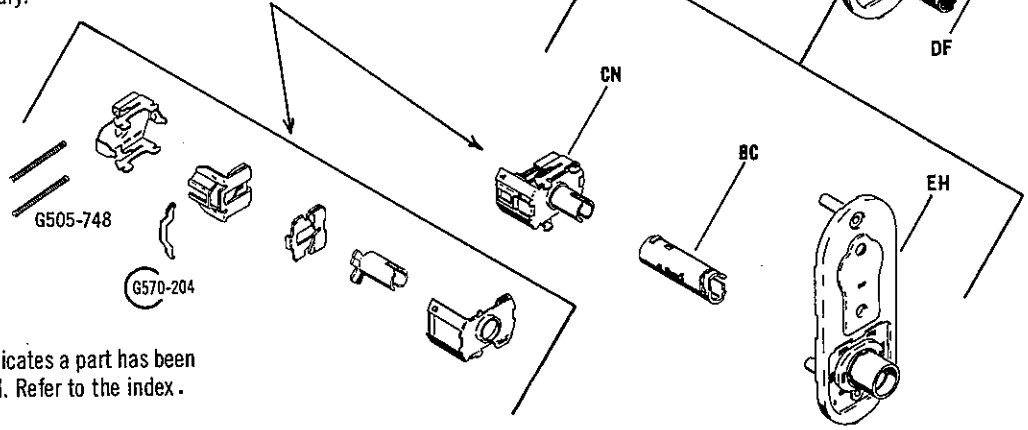
See page 103



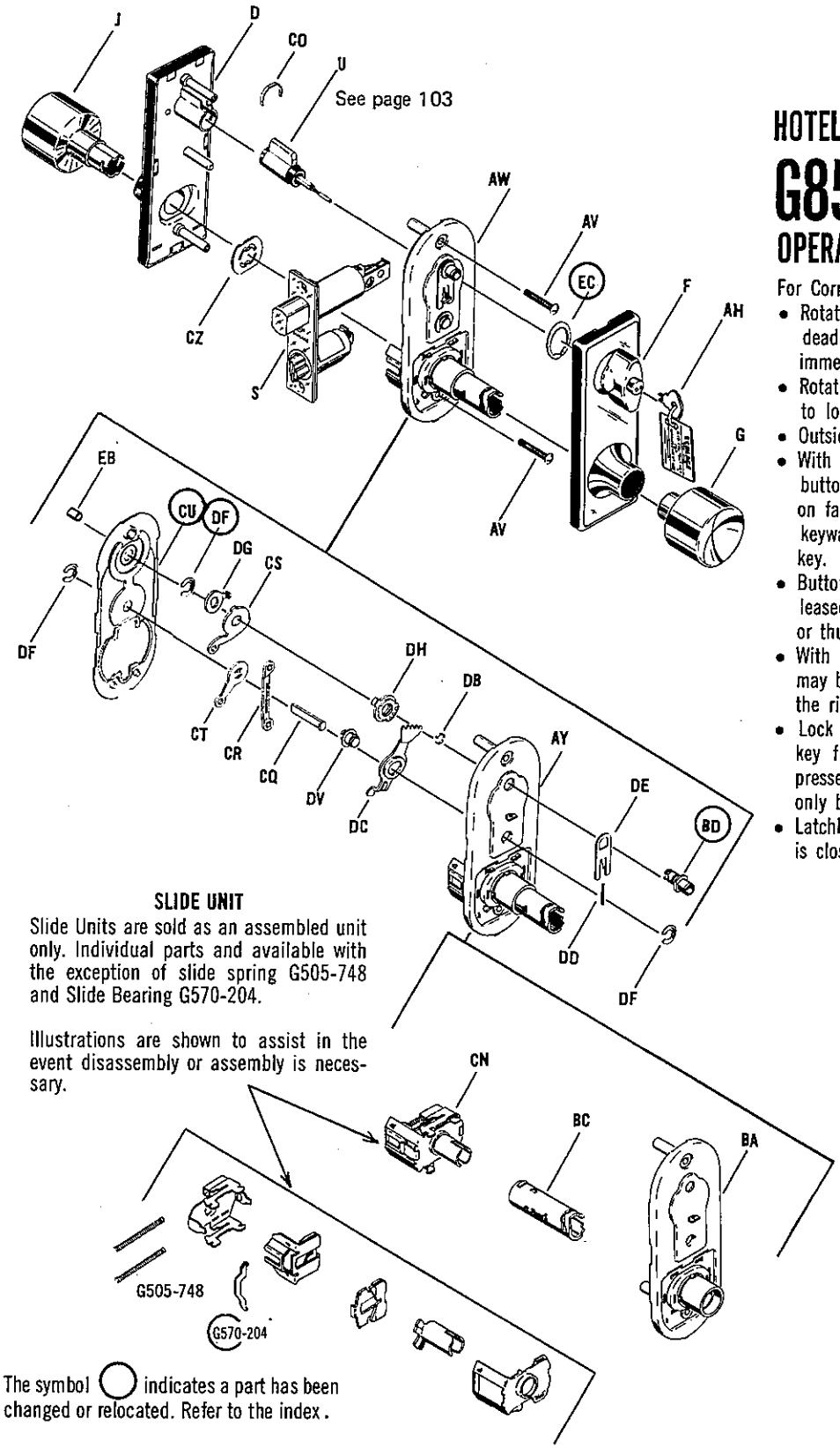
SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.



The symbol ○ indicates a part has been changed or relocated. Refer to the index.



HOTEL-MOTEL LOCK

G85PD (Discontinued)

OPERATION

For Corridor Doors to Guest Rooms.

- Rotating inside knob or thumbturn retracts deadbolt and deadlatch simultaneously for immediate exit.
- Rotating thumbturn or key will extend deadbolt to locked position.
- Outside knob permanently fixed.
- With thumbturn in horizontal position, pushing button throws out visual occupancy indicator on face of cylinder, provides a key stop inside keyway, shuts out all keys except emergency key.
- Button and shut-out feature automatically released by emergency key or rotating inside knob or thumbturn.
- With thumbturn in horizontal position, button may be fixed in shut-out position by rotating to the right with spanner key.
- Lock may be opened by guest key or master-key from outside, except when button is depressed or fixed with spanner key, and then only by emergency key.
- Latchbolt automatically deadlocks when door is closed.

SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index.

HOTEL-MOTEL LOCK

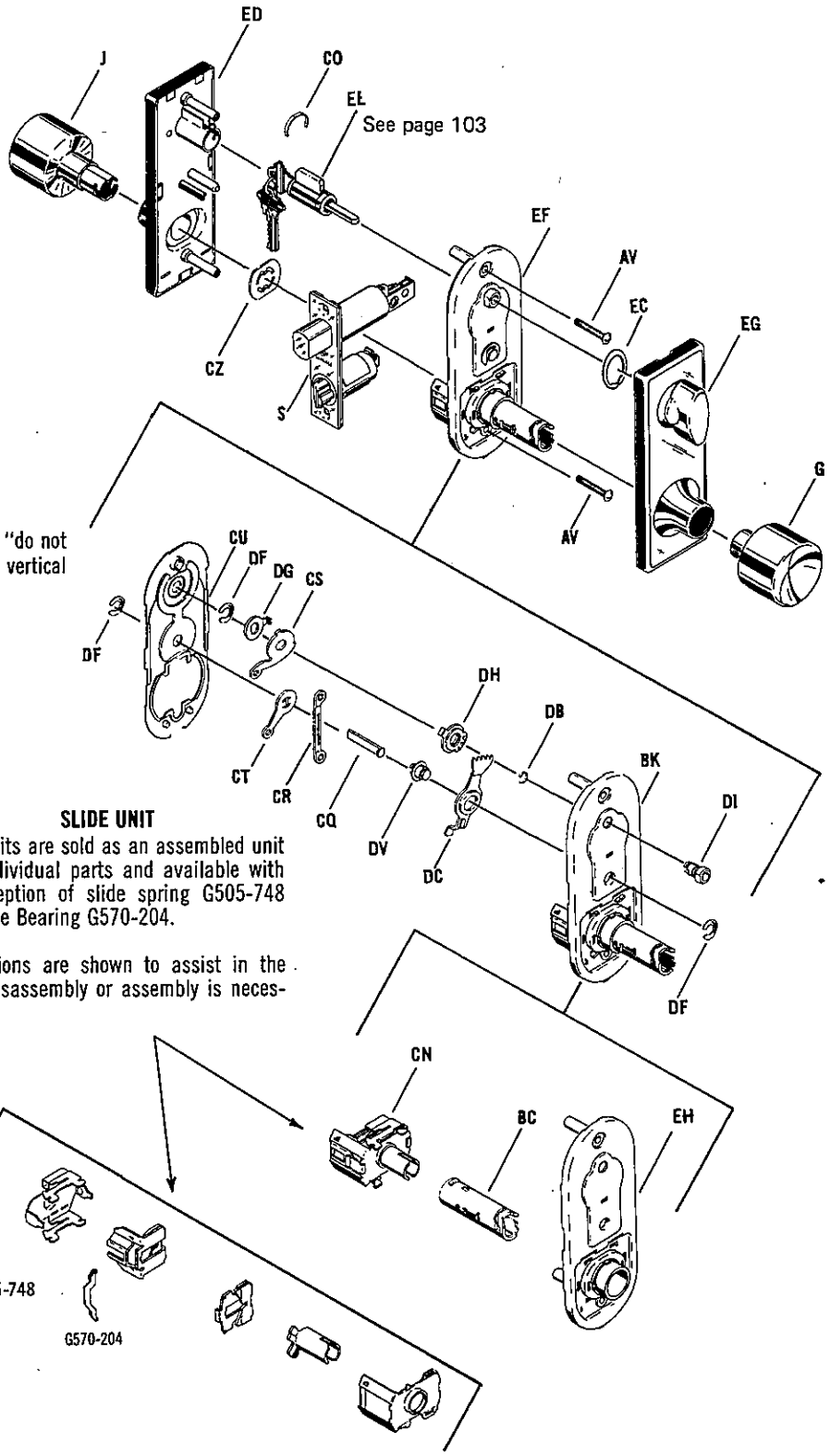
G86PD

OPERATION

For Corridor Doors to Guest Rooms.

- Outside knob always fixed.
- Latchbolt automatically deadlocks when door is closed.
- Locking deadbolt by emergency master key or rotating thumbturn to horizontal position shuts out all keys except emergency key.
- Inside knob or thumbturn retracts deadbolt and deadlatch simultaneously.

- Locking deadbolt by guest key actuates "do not disturb" sign and leaves thumbturn in vertical position.

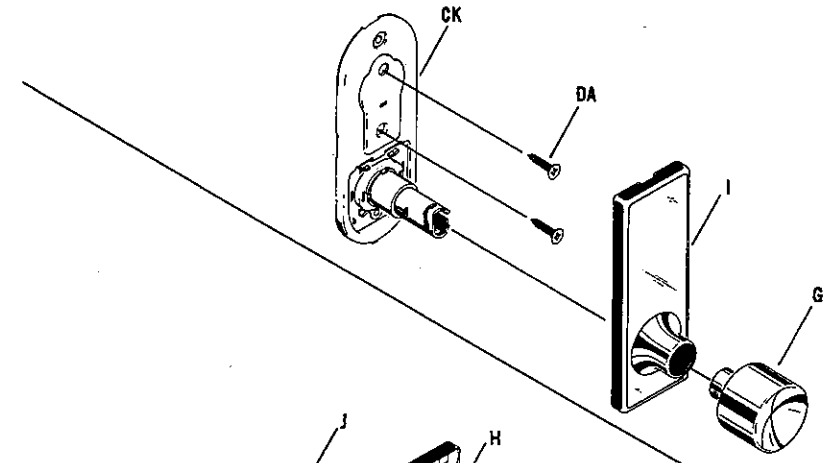


SLIDE UNIT

Slide Units are sold as an assembled unit only. Individual parts and available with the exception of slide spring G505-748 and Slide Bearing G570-204.

Illustrations are shown to assist in the event disassembly or assembly is necessary.

The symbol ◯ indicates a part has been changed or relocated. Refer to the index.

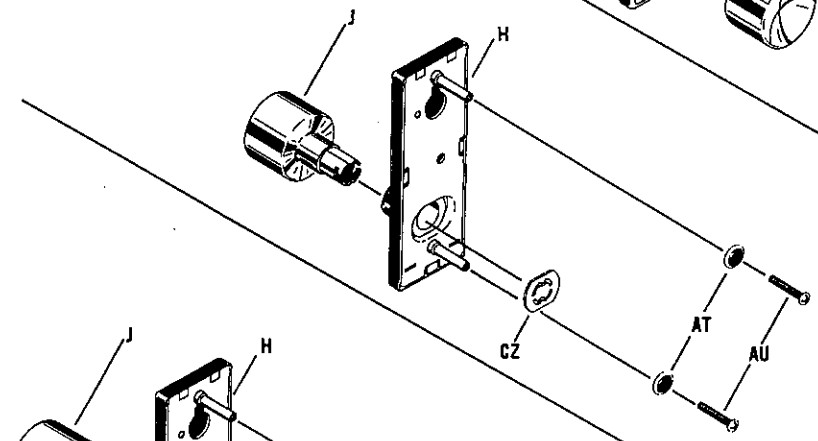


SINGLE DUMMY TRIM

G170

OPERATION
(SNAP-ON ROSE-INSIDE TRIM)

For use on single or pairs of doors when inside fixed trim is required.

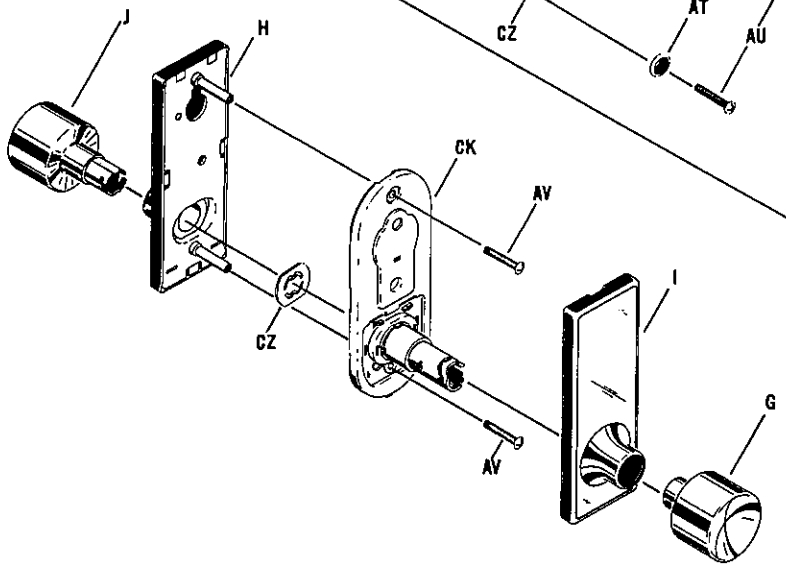


SINGLE DUMMY TRIM

G171

OPERATION
(FIXED KNOB-OUTSIDE TRIM WITH THRU-BOLTS)

For use on single or pairs of doors when outside fixed trim is required.



PAIR DUMMY TRIM

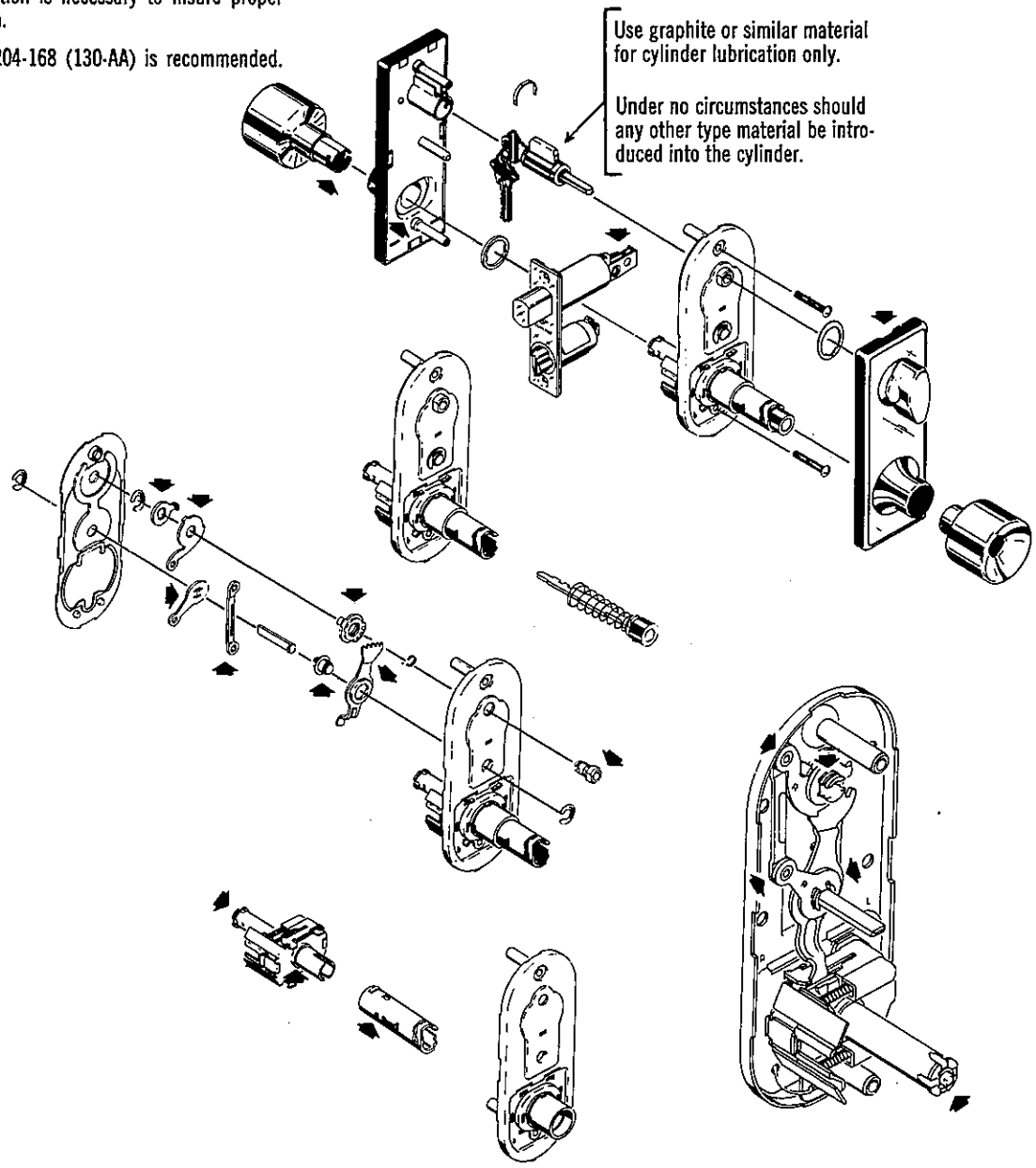
G172

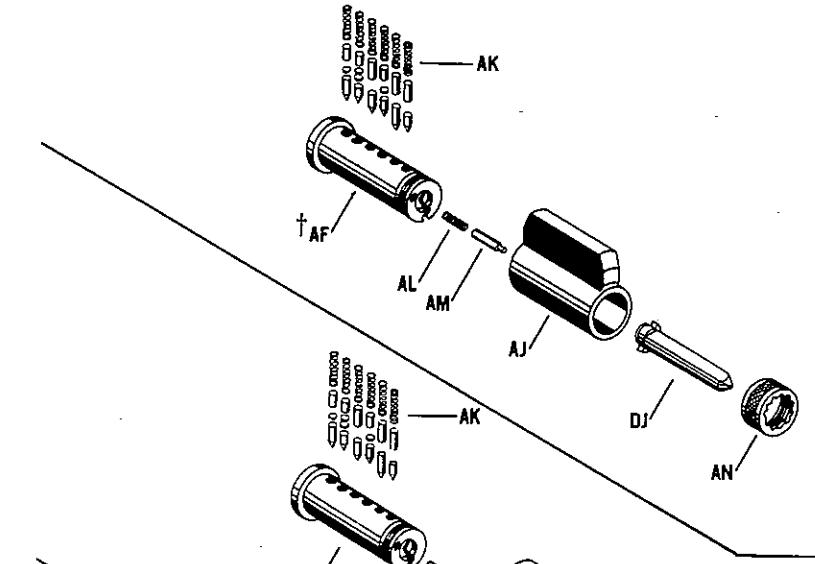
OPERATION
(COMBINATION OF G170 AND G171)

For use on single or pairs of doors when fixed trim is required for both sides of door.

SCHLAGE G/Lubrication Instructions

- Arrows indicate points in the "G" lock assembly where lubrication is necessary to insure proper lock operation.
- Lubriplate M204-168 (130-AA) is recommended.





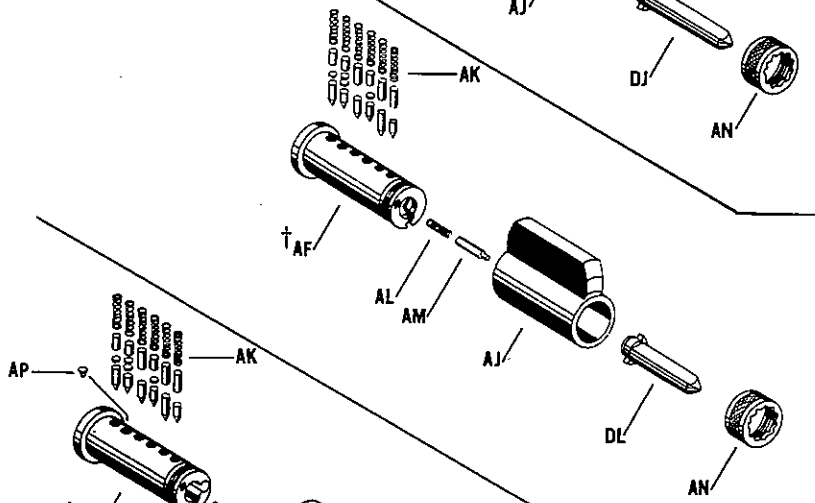
STANDARD CYLINDER 27-001
28-008 Removable

Index Symbol "T"

G50PD thru G73PD

FUNCTIONS

Removable Cylinder (not illustrated). See "Y" in index.
Removable Cylinders require modified outside roses.
SEE INDEX "D".



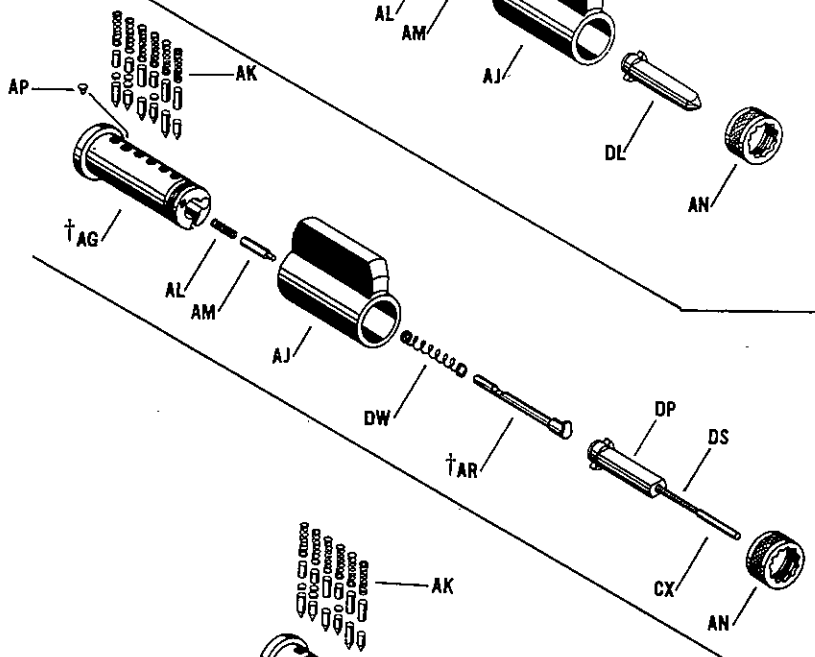
STANDARD CYLINDER 27-005
27-012 Removable

Index Symbol "V"

G80PD

FUNCTION

Removable Cylinder (not illustrated). See "AE" in index.
Removable Cylinders require modified outside roses.
SEE INDEX "D".



INDICATOR CYLINDER 27-013
27-014 Removable

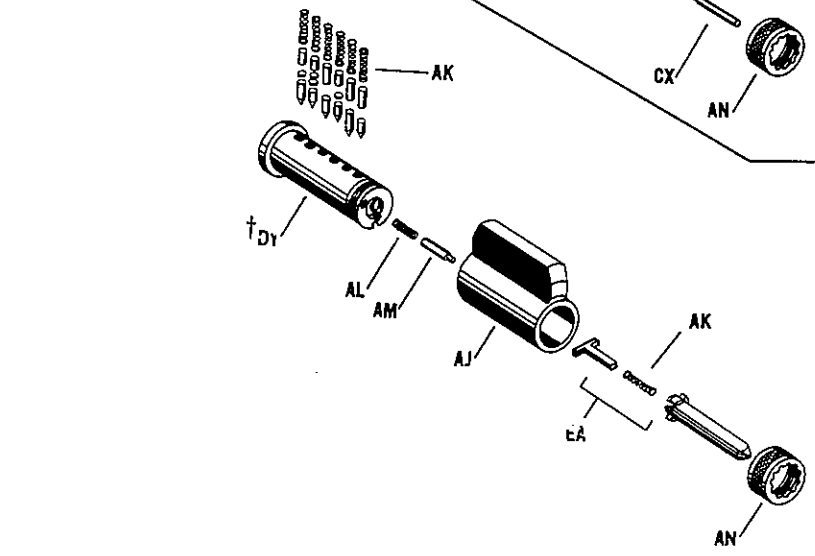
Index Symbol "U"

G85PD (Discontinued)

FUNCTION

Note: See page 22 for Door Range Cyl. adjustment information.

Removable Cylinder (not illustrated). See "Z" in index.
Removable Cylinders require modified outside roses.
SEE INDEX "D".



STANDARD CYLINDER 27-029
27-030 Removable

Index Symbol "EE"

G86PD

FUNCTIONS

Removable Cylinder (not illustrated). See "EE" in index.
Removable Cylinders require modified outside roses.
SEE INDEX "ED".

†KEY SECTION MUST BE SPECIFIED.

SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	50	51	52	53	55	70	73	80	85	86	170	171	172
		FUNCTIONS													
D	07-001	Rose & Plate, Out.	●	●	●	●	●	●	●	●	●				
	07-011	Rose & Plate, Out. for Removable Cyl.	●	●	●	●	●	●	●	●	●				
E	07-002	Rose & Turn, Ins.	●	●	●	●	●		●						
F	07-003	Rose & Turn, Ins.									●				
G	07-004	Clo. Knob, Ins. (Ball only)								●	●	●	●		●
	01-008	Clo. Knob, Ins. (All except Ball)								●	●	●	●		●
H	07-006	Rose & Plate, Out. Dummy Trim												●	●
I	07-007	Rose & Bushing, Ins.								●			●		●
J	07-009	Knob & Spindle, Out.	●	●	●	●	●	●	●	●	●	●		●	●
L	07-012	Button Knob, Ins. (Ball only)	●	●	●	●	●	●	●						
	01-009	Button Knob, Ins. (All except Ball)	●	●	●	●	●	●	●						
M	07-013	Plunger	●						●						
N	07-014	Plunger		●		●									
O	07-015	Plunger			●		●								
P	07-016	Plunger						●							
Q	07-017	Rose & Turn, Ins.						●							
**S	17-003	Latch, Std. 2¾" BS., 1⅛"x4¼" Front.	●	●	●	●	●	●	●	●	●	●			
†T	27-001	Cyl. Unit, 6 Pin, 1⅜" to 2" Dr.	●	●	●	●	●	●	●						
†U	27-013	Cyl. Unit, 6 Pin, Ind. 1⅝" to 2 1/16" Dr.									●				
†V	27-005	Cyl. Unit, 6 Pin, 1⅜" to 2" Dr.								●					
†Y	27-008	Cyl. Unit, 6 Pin Rem 1⅜" to 2" Dr.	●	●	●	●	●	●	●						●
†Z	27-014	Cyl. Unit, 6 Pin Rem. 1⅝" to 2 1/16" Dr.									●				
†AE	27-012	Cyl. Unit, 6 Pin Rem. 1⅜" to 2" Dr.								●					
†AF	33-006	Cyl. Plug	●	●	●	●	●	●	●	●					
†AG	33-216	Cyl. Plug, Ind.									●				
AH	35-251	Spanner Key						●			●				
AJ	A501-576	Cyl. Body	●	●	●	●	●	●	●	●	●	●			
AK	C503-113	Cyl. Pin Tumbler Spring	●	●	●	●	●	●	●	●	●	●			
AL	C503-115	Cyl. Cap Spring	●	●	●	●	●	●	●	●	●	●			
AM	C503-116	Cyl. Cap Pin	●	●	●	●	●	●	●	●	●	●			
AN	C503-118	Cyl. Cap	●	●	●	●	●	●	●	●	●	●			
AP	C603-195	Keyway Obstruction Pin									●				
			50	51	52	53	55	70	73	80	85	86	170	171	172

*Discontinued

**See page †09 for additional latch & strike information.

†KEY SECTION MUST BE SPECIFIED.

SYM.	NO.	DESCRIPTION	50	51	52	53	55	70	73	80	85	86	170	171	172
AQ	C503-335	Plunger, Spring	●	●	●	●	●	●	●						
†AR	C604-145	Cyl. Indicator									●				
AS	G570-055	Plunger Guide	●					●							
AT	E505-127	#10 Finish Washer (2 Req'd.)												●	
AU	B520-045	10-32x1⅜" OPH Mtg. Screw (2 Req'd.)												●	
AV	G101-839	10-32x1¼", Mtg. Screw (2 Req'd.)	●	●	●	●	●	●	●	●	●	●			●
AW	G105-202	Chassis, LH									●				
	G105-203	Chassis, RH									●				
AY	G101-867	Spindle & Plate, LH									●				
	G101-868	Spindle & Plate, RH									●				
BA	G101-870	Plate & Seat									●				
BC	G101-873	Spindle & Catch	●	●	●	●	●	●	●	●	●	●	●		●
BD	G105-085	Bushing & Spring Before 1-77									●				
	G105-110	Bushing & Spring After 1-77									●				
BE	07-027LH	Chassis & Plunger, LH						●							
	07-027RH	Chassis & Plunger, RH						●							
BG	07-028LH	Chassis & Plunger, LH							●						
	07-028RH	Chassis & Plunger, RH							●						
BI	G105-099	Chassis, LH								●					
	G105-100	Chassis, RH								●					
BK	G105-105	Spindle & Plate, LH								●		●			
	G105-106	Spindle & Plate, RH								●		●			
BU	07-023LH	Chassis & Plunger, LH	●												
	07-023RH	Chassis & Plunger, RH	●												
BW	07-024LH	Chassis & Plunger, LH		●											
	07-024RH	Chassis & Plunger, RH		●											
BY	07-025LH	Chassis & Plunger, LH			●										
	07-025RH	Chassis & Plunger, RH			●										
BZ	07-056LH	Chassis & Plunger, LH				●									
	07-056RH	Chassis & Plunger, RH				●									

†KEY SECTION MUST BE SPECIFIED.

SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	FUNCTIONS											
			51	52	53	55	70	73	80	85	86	170	171	172
CA	07-026LH	Chassis & Plunger, LH				●								
	07-026RH	Chassis & Plunger, RH				●								
CC	G303-211	Chassis, LH	●	●	●		●							
	G303-212	Chassis, RH	●	●	●		●							
CE	G303-213	Chassis, LH				●		●						
	G303-214	Chassis, RH				●		●						
CG	G303-215	Spindle & Plate, LH	●	●	●		●							
	G303-216	Spindle & Plate, RH	●	●	●		●							
CI	G303-217	Spindle & Plate, LH				●		●						
	G303-218	Spindle & Plate, RH				●		●						
CK	G303-226	Chassis										●		●
CL	G303-245	Slide Unit	●	●	●		●							
CM	G303-246	Slide Unit				●		●						
CN	G303-247	Slide Unit							●	●	●			
CO	G505-710	Cyl. Retainer (For 07-001 & 07-033)	●	●	●	●	●	●	●	●	●			
CP	G505-714	Out. Spindle Retainer	●	●	●	●	●	●						
CQ	G505-736	Driver Bar	●	●	●	●	●	●	●	●	●			
CR	G505-740	Linkage Bar	●	●	●	●	●	●	●	●	●			
CS	G505-741	Linkage Bar Plate	●	●	●	●	●	●	●	●	●			
CT	G505-743	Bolt Bar	●	●	●	●	●	●	●	●	●			
CU	G505-744	Mounting Plate Cover Before 1-77	●	●	●	●	●	●	●	●				
	G570-215	Mounting Plate Cover After 1-77	●	●	●	●	●	●	●	●	●			
CX	G570-212	Extension Bar Ind. Cyl.								●				
CZ	G505-760	Out. Spindle Retainer							●	●	●		●	●
DA	G505-761	#10x1¼" RPH Mtg. Screw (2 Req'd)										●		
DB	G505-768	Retaining Ring	●	●	●	●	●	●	●	●	●			
DC	G505-770	Linkage Arm	●	●	●	●	●	●	●	●	●			
DD	G505-774	Catch Spring								●				
DE	G505-775	Plunger Catch								●				
DF	G505-778	Retainer Ring (3 Req'd)	●	●	●	●	●	●	●	●	●			
DG	G505-779	Cyl. Driver	●	●	●	●	●	●	●	●	●			
			51	52	53	55	70	73	80	85	86	170	171	172

SYM.	NO.	DESCRIPTION
DH	G505-780	Knob Driver
DI	G505-791	Upper Bushing Before 1-77
	G570-214	Upper Bushing After 1-77
DJ	G505-792	Cyl. Bar
DK	G570-070	Upper Bushing Before 1-77
	G570-213	Upper Bushing After 1-77
DL	G570-071	Cyl. Bar
DP	G570-209	Cyl. Driver, 1⅝" to 2 1/16" Dr.
DS	G570-211	Cyl. Bar, 1⅝" to 2 1/16" Dr.
DV	G570-064	Lower Bushing
DW	C604-144	Cyl. Indicator Spring
DY	33-256	Cyl. Plug
EA	G570-128	Cyl. Bar
EB	G505-777	Bushing
EC	C603-895	Retaining Ring
ED	07-033	Rose & Plate, Out.
	07-034	Rose & Plate, Rem. Cyl.
EE	27-029	Cyl. Unit, 6 Pin, 1⅝" to 2 1/16" Dr.
	27-030	Cyl. Unit, 6 Pin Rem., 1⅝" to 2 1/16" Dr.
EF	G105-212	Chassis & Plunger, LH
	G105-213	Chassis & Plunger, RH
EG	07-040	Rose & Turn, Ins.
EH	G105-143	Plate & Catch
EJ	G570-053	Spanner Key Turn
EK	G570-128	Coupling Bar

FUNCTIONS												
50	51	52	53	55	70	73	80	85	86	170	171	172
●	●	●	●	●	●	●	●	●	●			
●	●	●	●	●	●	●						
●	●	●	●	●	●	●			●			
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									●			
50	51	52	53	55	70	73	80	85	86	170	171	172

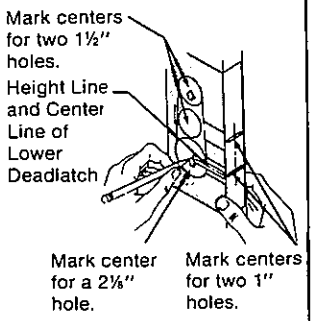
Wood Doors

Uniform application regardless of function.
The "G" Lock Inside Knob Unit is Handed.
Make Sure Lock Matches the Door Requirement.

How to Install "G" Locks in 1⅜"-2" Doors.

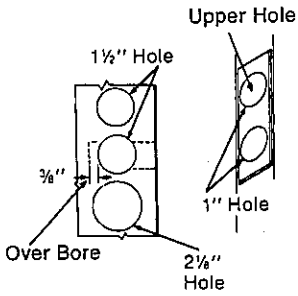
1 Mark Door

Mark height line (center line of deadlatch) on edge of door. Suggested height from floor is 38". Mark center point of door thickness. Position template on high edge of bevel with center line for lower deadlatch hole on height line. Mark center point for one 2⅛" hole and two 1½" holes through template. Mark centers for two 1" latch holes through template.



2 Bore Five Holes

Bore one 2⅛" hole and two 1½" holes. Bore two 1" holes in edge of door. Upper 1" hole must be over bored to a depth of ⅜" beyond far side of middle 1½" hole as shown. Mortise edge of door for latch front.

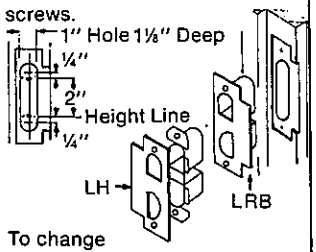


Use 40-014 adjustable backset boring jig to insure accuracy of lock installation.

3 Install Strike

Mark vertical line and height line on jamb exactly opposite center point of lower latch hole. Mark second horizontal center line 2" above height line for deadbolt hole. Bore a 1" hole 1⅛" deep ¼" below height line, and a 1" hole 1⅛" deep ¼" above the second horizontal center line. Clear out area between holes for strike box. Mortise jamb for strike front and install strike.

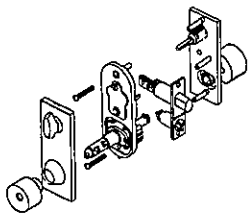
Strike screws must be on same vertical center line as latch screws.



To change hand-reverse strike.

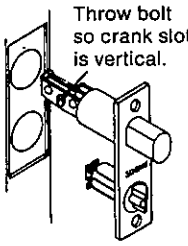
4 Disassemble Lock

Disassemble lock by first removing inside knob. Lift off outside mechanism. Inside rose is packed separately.



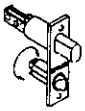
5 Install Latch

With 1" deadbolt thrown and crank slot in vertical position, insert latch unit and fasten with screws.



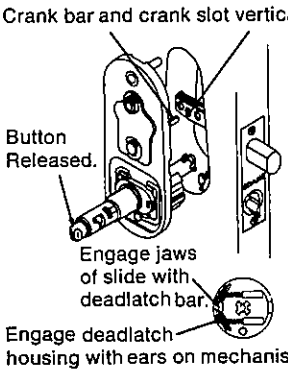
Latch unit has a self-adjusting faceplate which permits installation on either fla or beveled doors.

Deadlatch portion of latch unit can be rotated to suit swing of door. Turn in direction of least resistance.



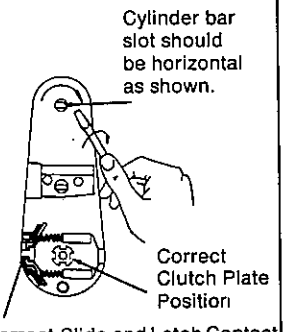
6 Install Inside Mechanism

Install inside mechanism with knob button released and crank bar in vertical position. Insert crank bar into crank slot in deadbolt portion of latch unit. Engage jaws of slide with deadlatch bar and deadlatch housing with ears on inside mechanism.



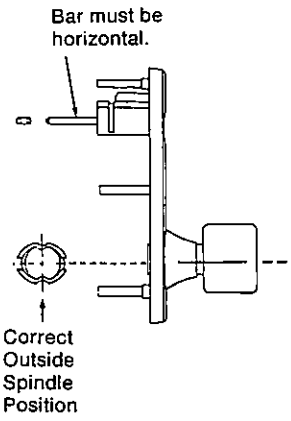
7 Check Lock Operation

From opposite side of door, turn cylinder bar slot in top hole with screwdriver and check action of both deadbolt and deadlatch. Leave 1" deadbolt retracted and knob button released. Restore cylinder bar slot in top hole to a horizontal position as shown. Clutch plate in lower hole must be in position shown.



8 Align Cylinder Bar

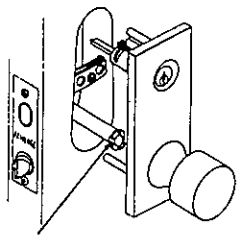
Rotate cylinder bar to horizontal position. Be sure knob spindle is in position as shown.



9

Install Outside Mechanism

Insert cylinder bar in horizontal position into cylinder bar slot in top hole. Engage clutch plate with outside knob spindle. Clutch plate must be in position shown in Instruction No. 7. Outside knob spindle must be in position shown in Instruction No. 8. Engage screw posts. Install two machine screws through inside mechanism.

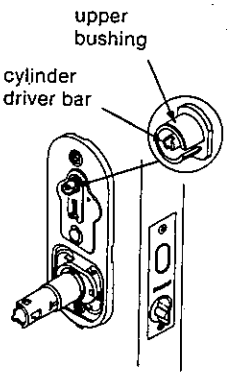


Correct Clutch Plate Position

10

Adjustment on Inside Mechanism for G85PD

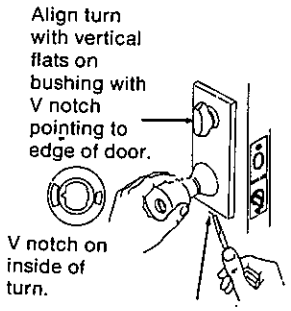
When installing G85PD lock, adjust cylinder driver bar screw flush with end of upper bushing.



11

Attach Trim

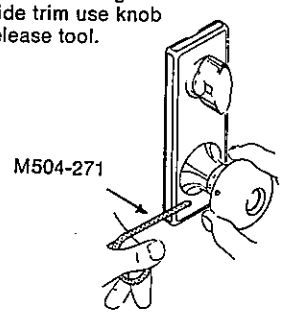
Install inside rose with turn unit in vertical position with V notch on inside of turn pointing to edge of door. Engage top of rose with mounting plate. Depress rose catch and snap rose into place. Align lug on knob with slot in spindle and slide knob on spindle. Depress knob catch and push knob into position. Operate knob and turn unit to test operation.



12

Ball Design Only

To remove Ball design from "G" inside trim use knob catch release tool.

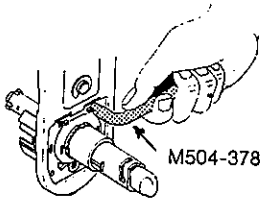


Installation Tools

The 40-014 Boring Jig is a rugged, versatile, self-centering jig designed for use with the "G" lock. This jig can also be used for the installation of "A", "B", "C-D", and "F" locks. An adjustable feature provides for accurately drilling 2⅜", 2¾", 3¾" and 5" backsets. Also available is the 40-033 latch marking chisel and the 40-034 strike marking chisel when preparing for "G" lock installation.

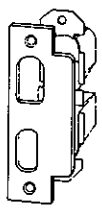
Tab Wrench M504-378

For changing the hand of "G" Locks.



G/ Latches & Strikes

BOLT/LATCH	BACKSETS				FACEPLATE SIZE
	2-3/8"	2-3/4"	3-3/4"	5"	
STANDARD	17-001	17-003	17-005	17-007	1-1/8" x 4-1/4"
1/4" RADIUS	17-009	17-010	17-011	17-012	1-1/8" x 4-1/4" RC
ANSI PREP	17-002	17-004	17-006	17-008	1-1/4" x 8"



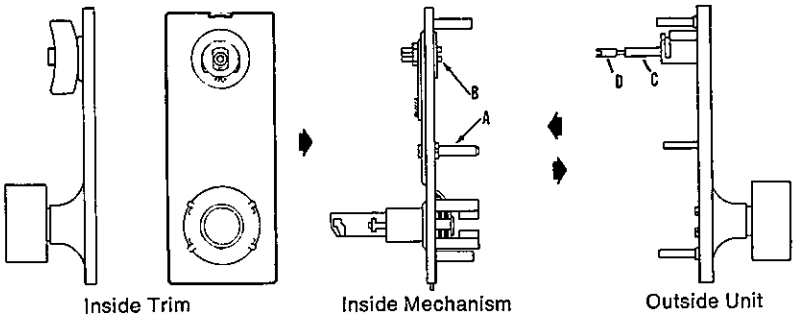
STRIKES	1-1/4" x 4-7/8" x 3/32" THICK WITH 1-1/4" LIP
10-031	STD. STR.-W/BOX
10-061	1/4" RAD. RC-W/BOX
10-088	SQ. COR. 1/2" RAB
37-015	WOOD JAMB STRIKE REINFORCER

G85PD — INDICATOR LOCK

NOTE: This supplement must be used in conjunction with the basic installation instructions for the Schlage "G" Series Lock.

Check Proper Positions of Parts:

- A CRANK BAR in vertical position as called for in Installation Instructions (Step 6).
- B CYLINDER BAR SLOT in horizontal position as called for in Installation Instructions (Step 7).
- C CYLINDER BAR in horizontal position as called for in Installation Instructions (Step 8).
- D CYLINDER BAR SCREW in place just enough to stay on bar.



Mount Inside Mechanism and Outside Unit to Door as outlined in Installation Instructions (Step 9).

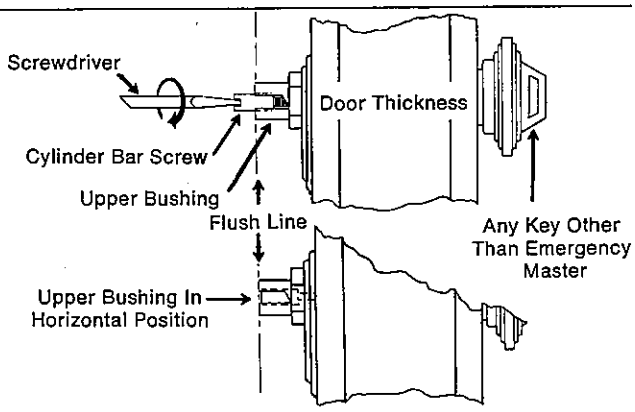
Supplement To Step 10 of Basic Installation Instruction for Schlage "G" Series Lock:

10A. IMPORTANT: Insert any key other than Emergency Master into cylinder.

10B. Adjust Cylinder Bar Screw so that it is flush with or slightly recessed into upper bushing (as shown).

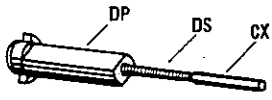
STEP 10A.

STEP 10B.



IMPORTANT:

If Cylinder Bar Screw will not adjust as called for, it may be that the wrong size Cylinder Bar is being used. Exchange for proper Cylinder Bar size as shown in table above



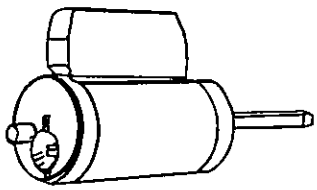
	CYLINDER BAR		
Door Range	DP	DS	CX
1 5/8" to 2 1/16"	G570-209	G570-211	G570-212

Mount Inside Trim on Inside Mechanism as outlined in Step 11 of Basic Installation Instruction for Schlage "G" Series Locks.

Check Function as Follows:

- STEP 1 Rotate thumbturn so that deadbolt is in locked position. Now rotate thumbturn in opposite direction. This should retract both deadbolt and deadlatch simultaneously.
- STEP 2 Rotate thumbturn so that deadbolt is in locked position. Now rotate inside knob in either direction. This should retract both deadbolt and deadlatch simultaneously.
- STEP 3 Rotate thumbturn so that deadbolt is in locked position. Insert key in cylinder and rotate. This should retract both deadbolt and deadlatch simultaneously.
- STEP 4 Rotate thumbturn so that deadbolt is in locked position. Push button. This will push the indicator pin in cylinder as shown:

Indicator Pin Protrudes When Button is Depressed

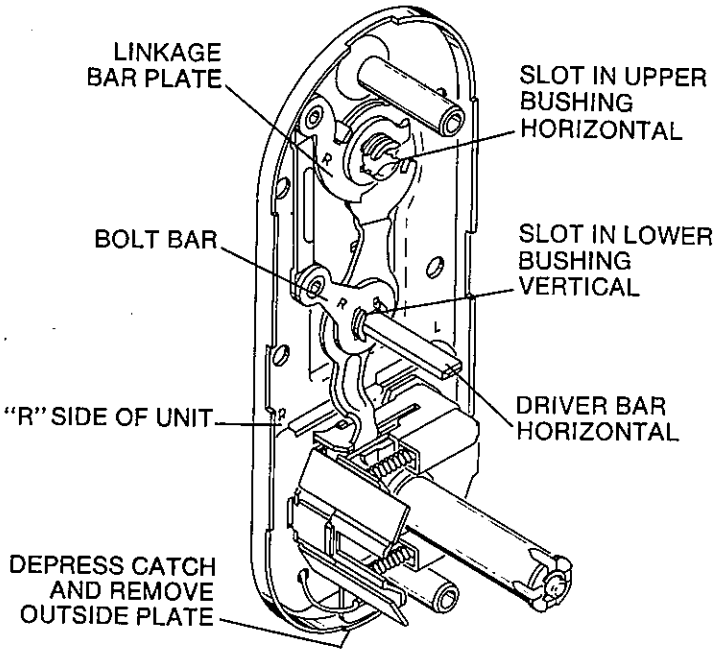


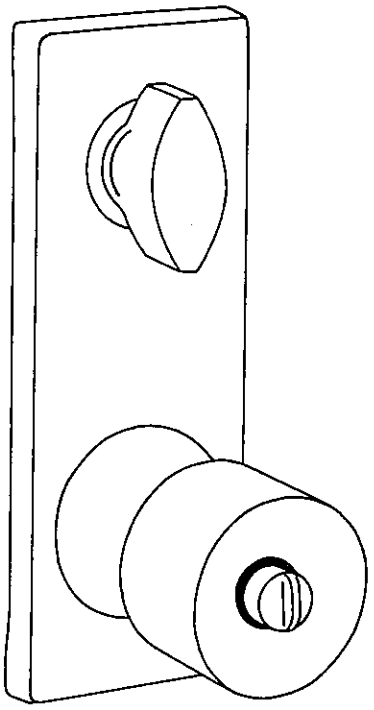
Try to insert key (other than Emergency Master). Key should not enter. Now rotate inside knob. This should retract both deadbolt and deadlatch simultaneously; and releases the button at the same time.

When EMERGENCY KEY MASTER is available, perform this test:
Rotate thumbturn so that deadbolt is in locked position. Depress button and rotate with a Spanner Key. This should push indicator pin in cylinder and block out all keys except the Emergency Master. Insert Emergency Key Master and rotate. This should retract both deadbolt and deadlatch simultaneously; and should not release button.

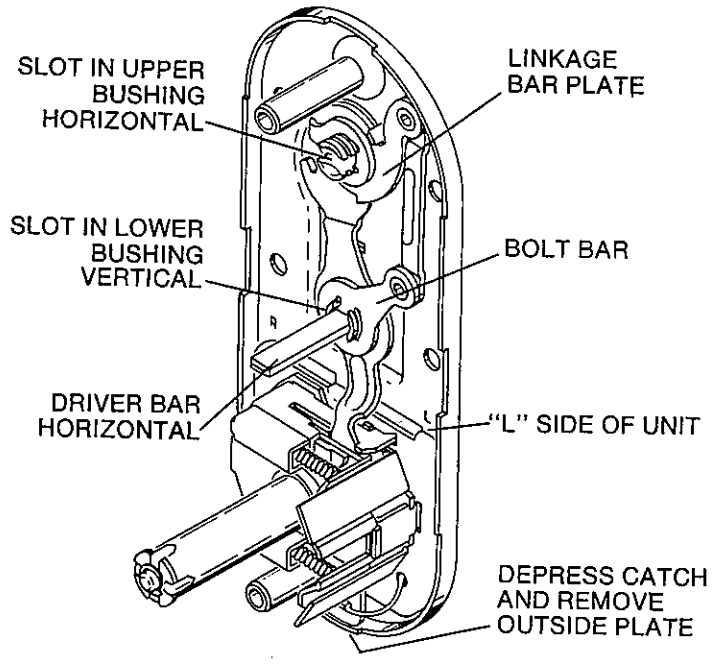
HOW TO CHANGE THE HAND SCHLAGE "G" SERIES LOCK

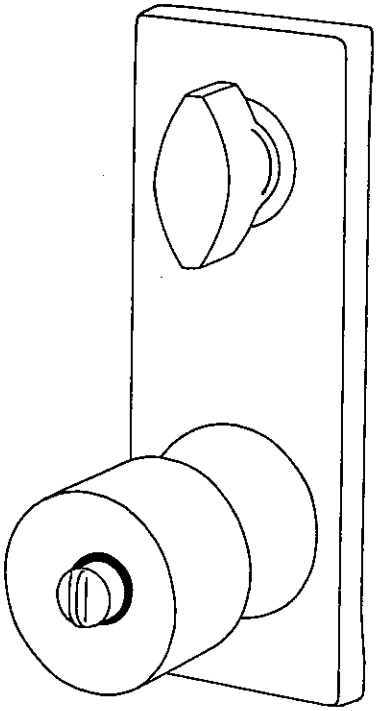
RIGHT HAND





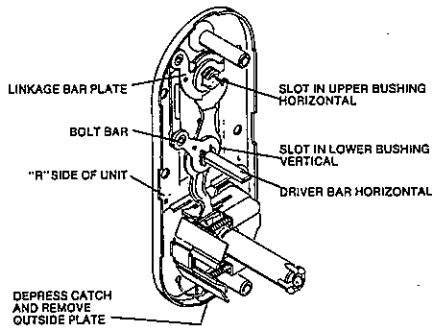
LEFT HAND



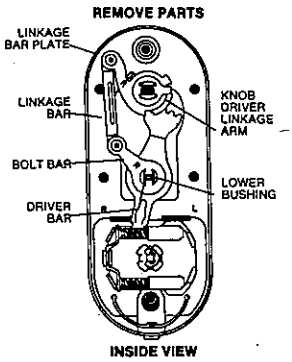


RIGHT TO LEFT

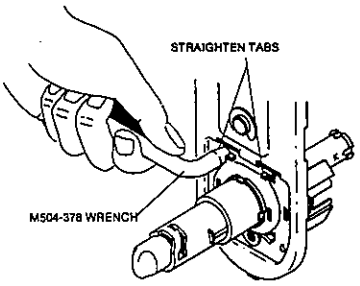
A **ASSEMBLED RIGHT HAND INSIDE UNIT**



3

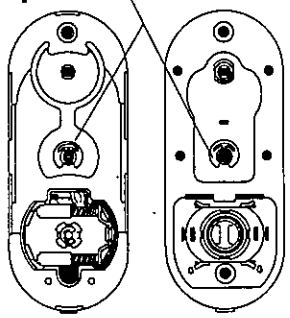


4

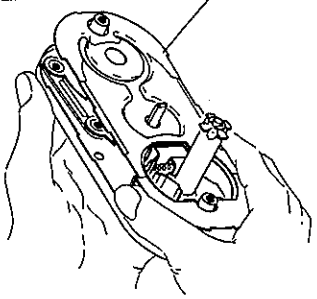


CHANGING RIGHT TO LEFT HAND INSIDE UNIT

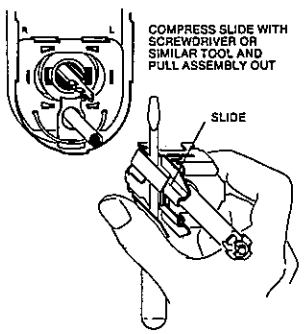
1 DISENGAGE RETAINING RINGS



2 LIFT OFF MOUNTING PLATE COVER



5



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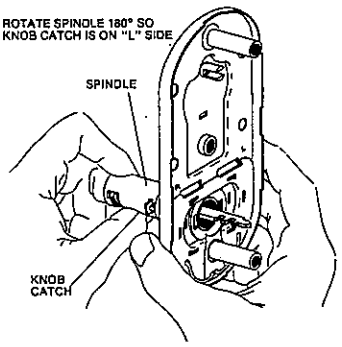
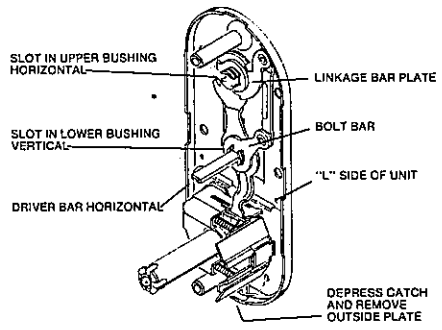


LEFT TO RIGHT

B **ASSEMBLED LEFT HAND INSIDE UNIT**



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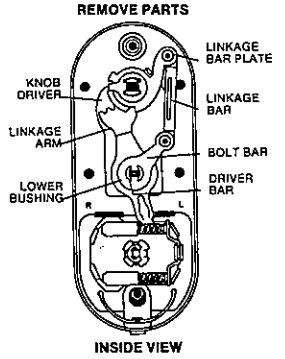
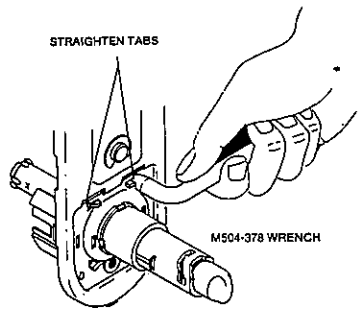
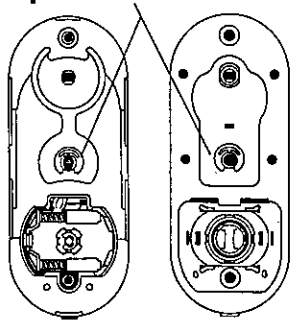


4

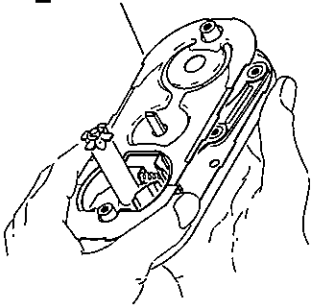


CHANGING LEFT TO RIGHT HAND INSIDE UNIT

1 DISENGAGE RETAINING RINGS



2 LIFT OFF MOUNTING PLATE COVER



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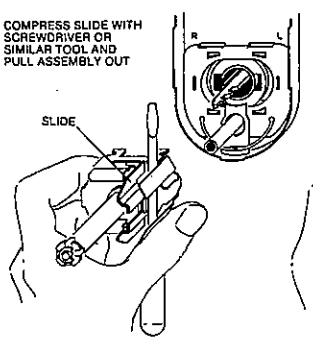

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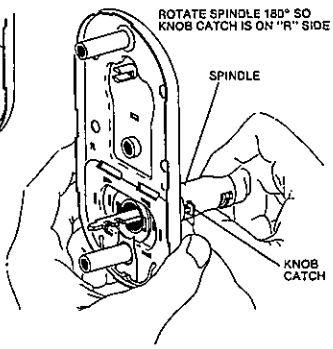
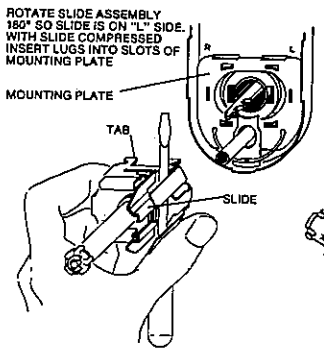


RIGHT TO LEFT

7



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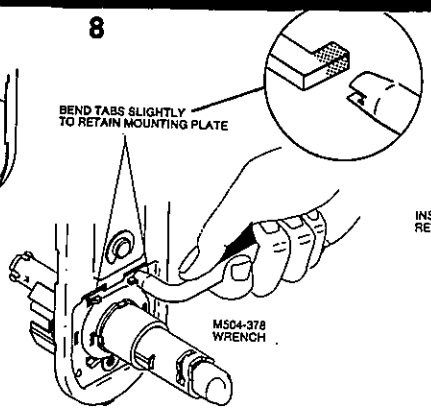

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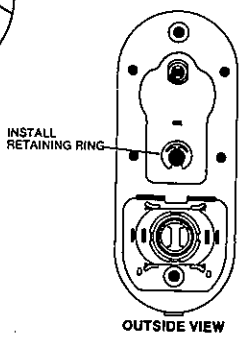
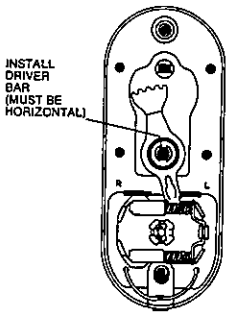


OUTSIDE VIEW

12



INSIDE VIEW

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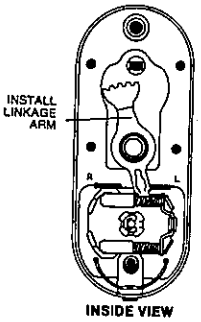

INSIDE VIEW

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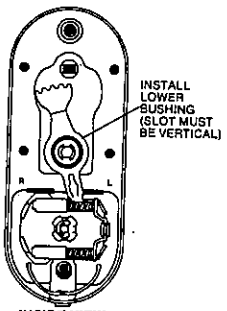

INSIDE VIEW

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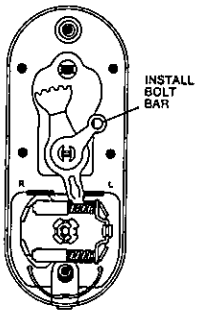

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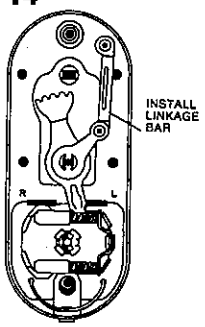
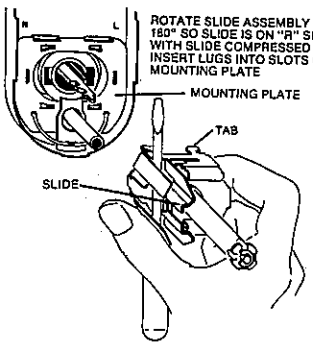


INSIDE VIEW

LEFT TO RIGHT

7



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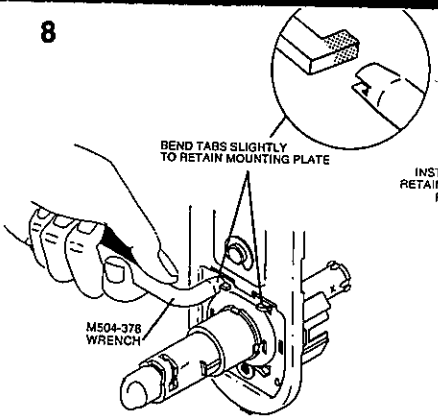

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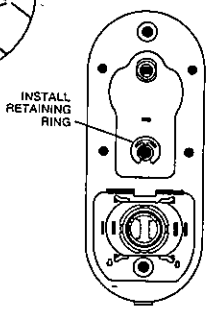

OUTSIDE VIEW

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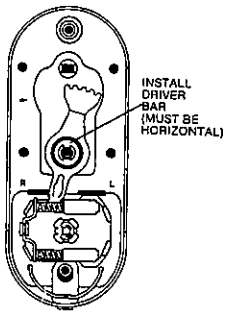

INSIDE VIEW

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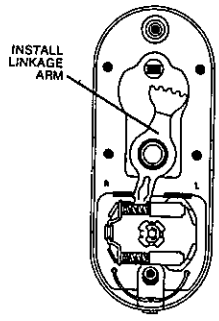

INSIDE VIEW

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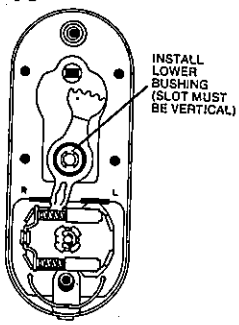

INSIDE VIEW

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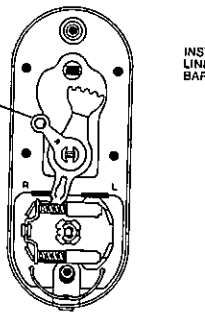

INSIDE VIEW

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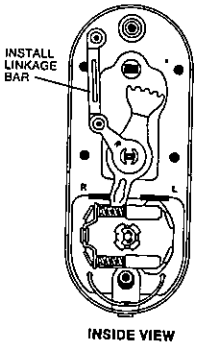
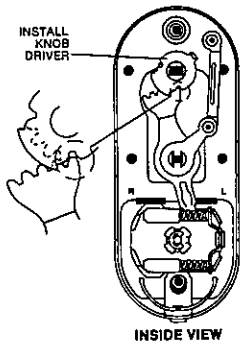


INSIDE VIEW

RIGHT TO LEFT

15



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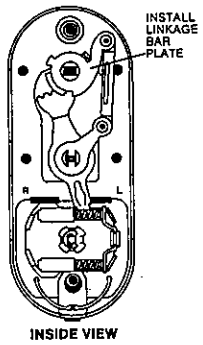

INSIDE VIEW

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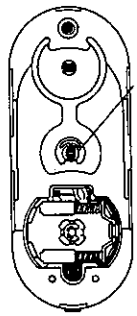

INSIDE VIEW

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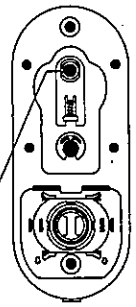

OUTSIDE VIEW

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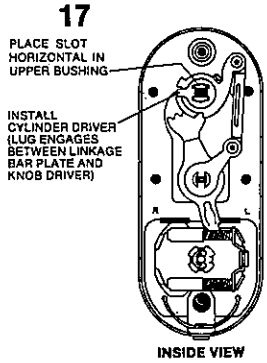

INSIDE VIEW

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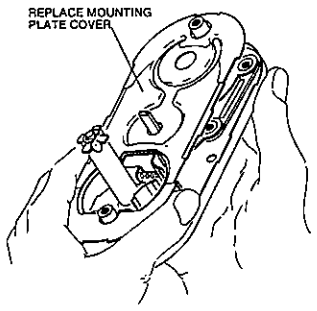

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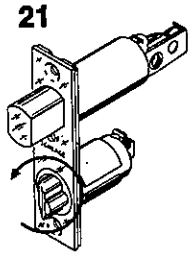
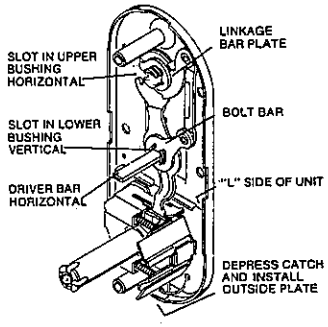


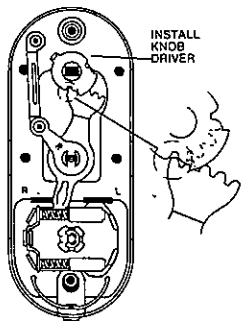
ROTATE DEADLATCH 180° TO REVERSE HAND OF LATCH UNIT



ASSEMBLED LEFT HAND INSIDE UNIT

LEFT TO RIGHT

15



INSIDE VIEW

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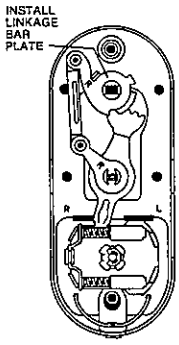

INSIDE VIEW

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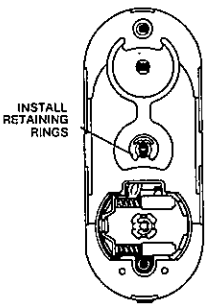

INSIDE VIEW

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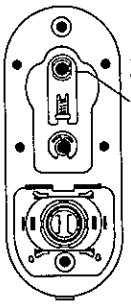
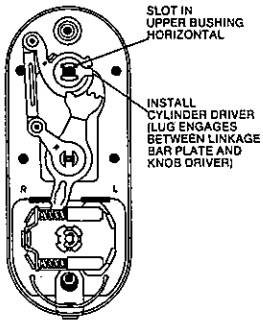


OUTSIDE VIEW

17



INSIDE VIEW

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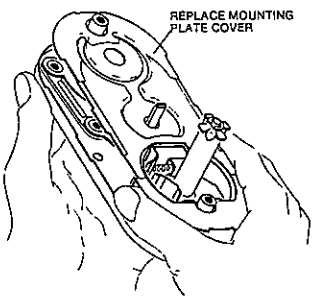

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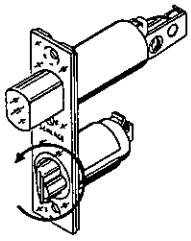
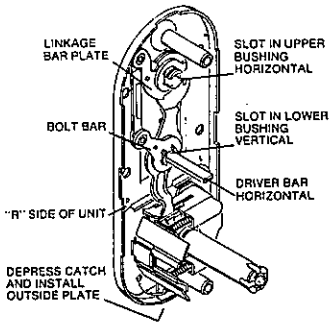
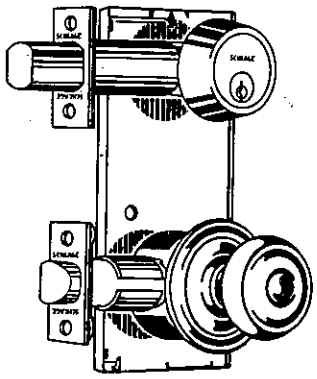


ROTATE DEADLATCH 180° TO REVERSE HAND OF LATCH UNIT



ASSEMBLED RIGHT HAND INSIDE UNIT

Index

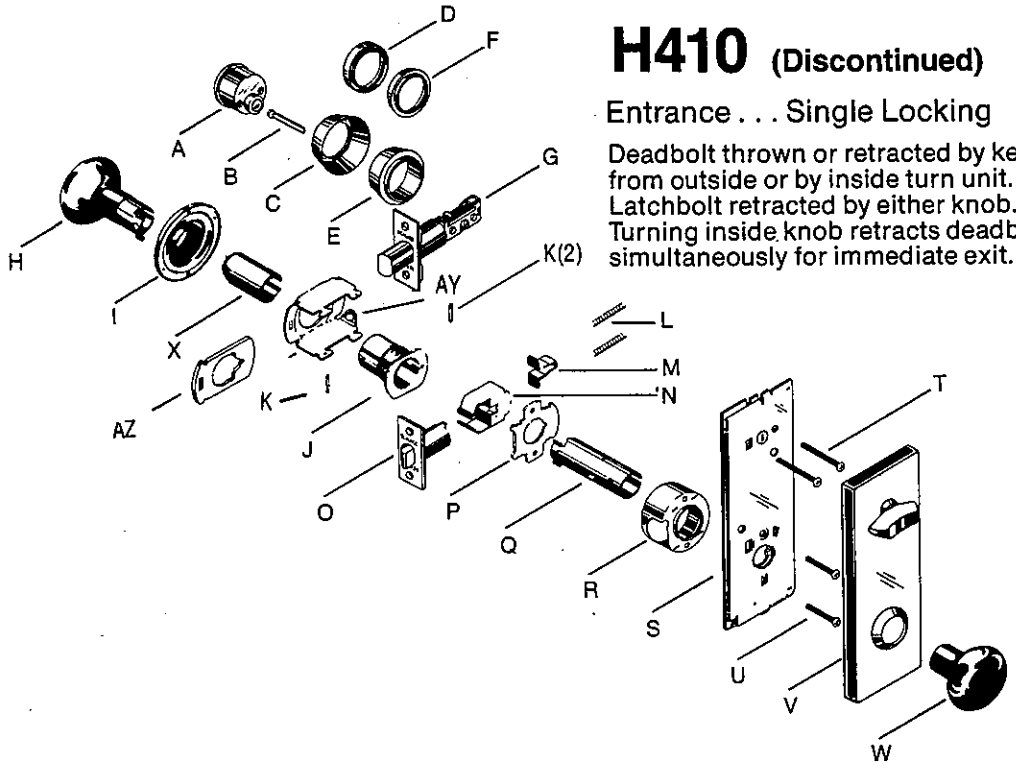


Series Locks H

H110, H410 (Discontinued)

Entrance . . . Single Locking

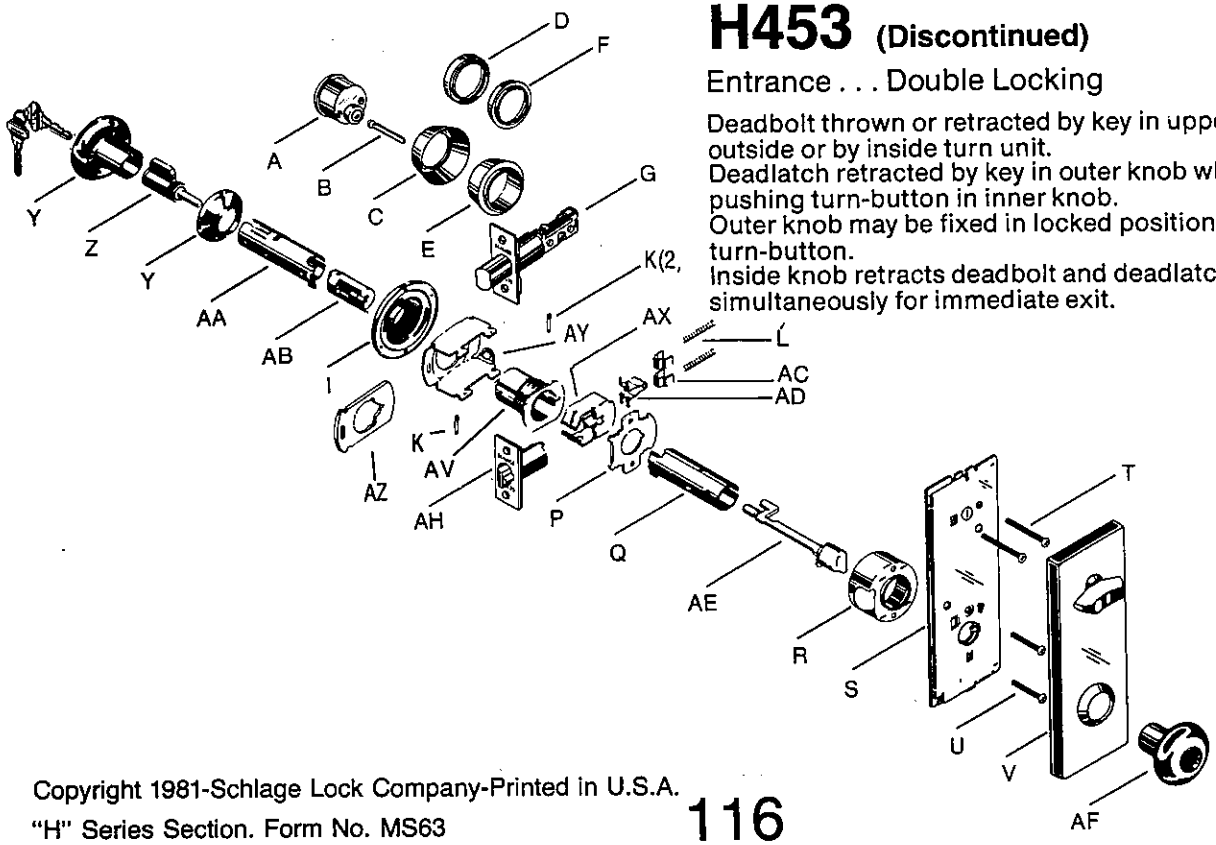
Deadbolt thrown or retracted by key in upper lock from outside or by inside turn unit.
Latchbolt retracted by either knob.
Turning inside knob retracts deadbolt and latchbolt simultaneously for immediate exit.



H153, H453 (Discontinued)

Entrance . . . Double Locking

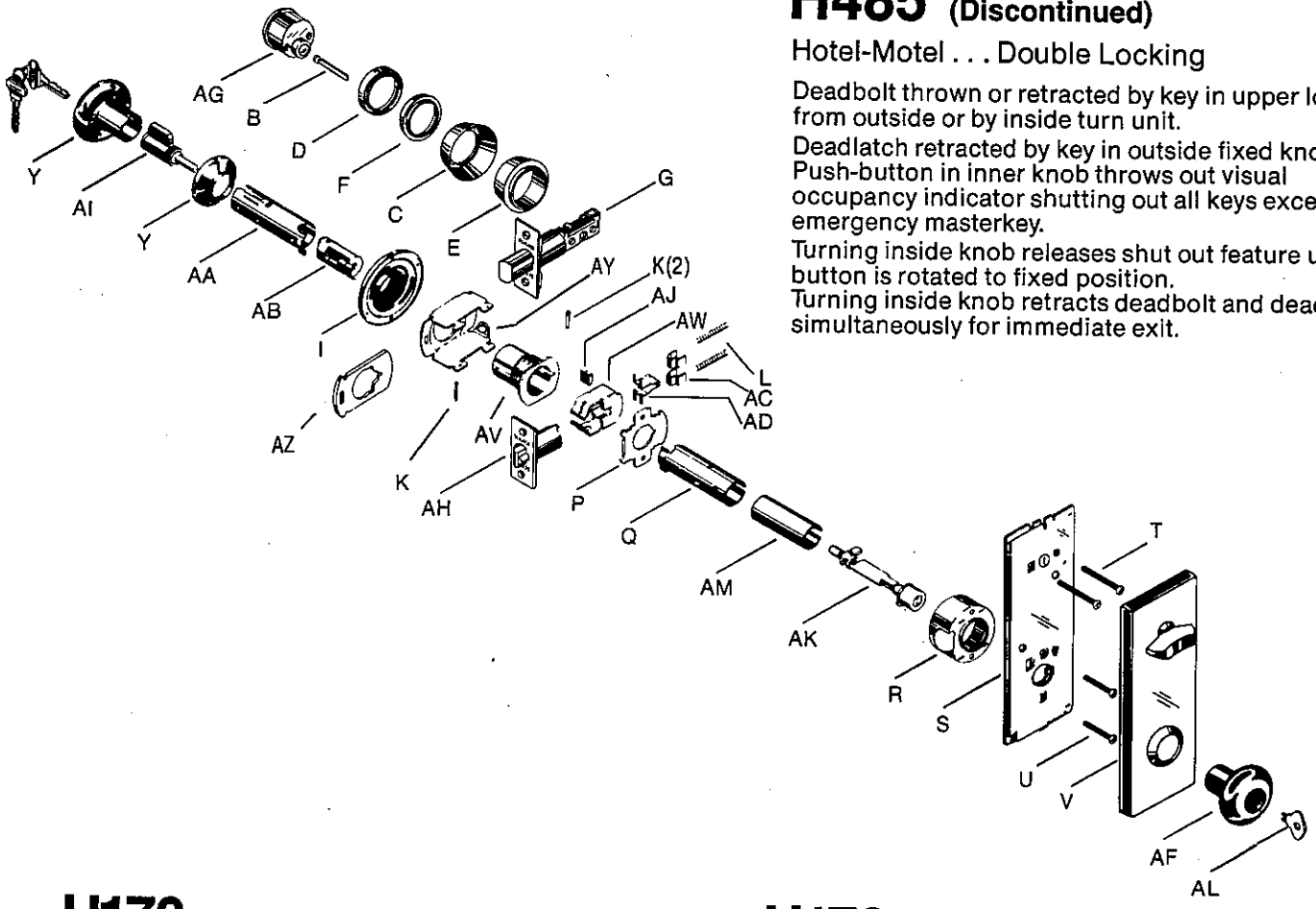
Deadbolt thrown or retracted by key in upper lock from outside or by inside turn unit.
Deadlatch retracted by key in outer knob when locked by pushing turn-button in inner knob.
Outer knob may be fixed in locked position by rotating turn-button.
Inside knob retracts deadbolt and deadlatch simultaneously for immediate exit.



H185, H485 (Discontinued)

Hotel-Motel . . . Double Locking

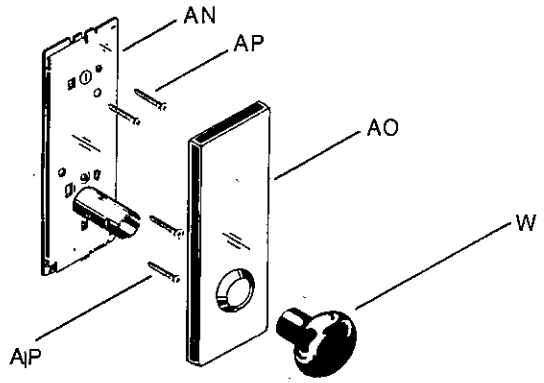
Deadbolt thrown or retracted by key in upper lock from outside or by inside turn unit.
Deadlatch retracted by key in outside fixed knob. Push-button in inner knob throws out visual occupancy indicator shutting out all keys except emergency masterkey.
Turning inside knob releases shut out feature unless button is rotated to fixed position.
Turning inside knob retracts deadbolt and deadlatch simultaneously for immediate exit.



H170

Single Dummy Trim . . . Inside

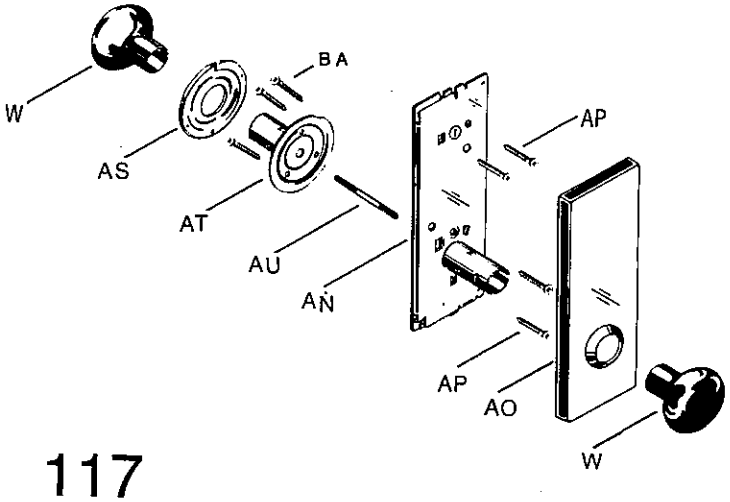
Dummy trim for one side of door only.
Pull only.



H172

Pair Dummy Trim . . . Inside & Outside

Dummy trim for both sides of door.
Pulls only.



SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	FUNCTIONS							
			H110	H410	H153	H453	H185	H485	H170	H172
A	22-017	Cylinder Unit & Faceplate 5 Pin	•	•	•	•				
	22-019	Cylinder Unit & Faceplate 6 Pin	•	•	•	•	•	•		
B	B520-067	Cylinder Bar, 5 or 6 Pin, 1⅜" to 1¾" Doors	•	•	•	•	•	•		
C	36-067	Cylinder Trim Ring, 7/16"	•	•	•	•	•	•		
D	36-066	Cylinder Trim Ring, ⅛"	•	•	•	•	•	•		
E	36-069	Steel Insert, Trim Ring, 7/16"	•	•	•	•	•	•		
F	36-068	Steel Insert, Trim Ring, ⅛"	•	•	•	•	•	•		
G	12-076	Deadbolt, 1" Throw, Std H400 Series, 2¾" BS		•		•		•		
	12-185	Deadbolt, 1" Throw, Std H400 Series, 2¾" BS	•		•		•			
H	01-006	Knob & Spindle, Closed Outside	•	•						
I	01-001	Rose, Outside	•	•	•	•	•	•		
J	A201-406	Hub & Cap	•	•						
K	C503-008	Cotter Pin (2)	•	•	•	•	•	•		
L	A501-311	Slide Spring	•	•	•	•	•	•		
M	A501-312	Slide Spring Seat	•	•						
N	A501-310	Slide, Non-restoring	•	•						
O	11-020	Springlatch, Std H400 Series, 2¾" BS		•						
	11-005	Springlatch, Std H100 Series, 2⅜" BS	•							
P	A501-305	Hub Plate, Inside	•	•	•	•	•	•		
Q	A201-335	Spindle & Catch	•	•	•	•	•	•		
R	A501-701	Housing	•	•	•	•	•	•		
S	G105-118	Housing & Linkage, Inside	•	•	•	•	•	•		
T	A501-162	Cylinder Mounting Screw, 5 pin, 1⅜" to 1¾" Doors	•	•	•	•				
	E505-317	Cylinder Mounting Screw, 6 pin, 1⅜" to 1¾" Doors	•	•	•	•	•	•		
U	E505-315	Mounting Screw, Lower	•	•	•	•	•	•		
V	07-022	Rose & Turn, Inside	•	•	•	•	•	•		
W	07-030	Knob, Closed Inside (Outside H172)	•	•					•	•
	01-008	Lever, Closed Inside	•	•					•	•
X	G570-232	Spindle Plug	•	•						
Y	01-018	Knob & Sleeve, Outside Open			•	•	•	•		
Z	21-002	Cylinder Unit, 6 Pin, 1⅜" to 1¾" Drs. (except Orbit)			•	•				
	21-002 122	Cylinder Unit, 6 Pin, 1⅜" to 1¾" Drs. (Orbit)			•	•				
			H110	H410	H153	H453	H185	H485	H170	H172

SYM.	NO.	DESCRIPTION
AA	A201-336	Spindle, Outside
AB	A201-371	Cam Unit
AC	A501-525	Spring Seat
AD	A501-645	Spring, Separator
AE	01-052 360	Plunger Unit (except Orbit)
	01-052 428	Plunger Unit (Orbit)
AF	07-031	Knob, Inside Open
	01-009	Lever, Inside Open
AG	22-019	Cylinder Unit & Faceplate 6 Pin
AH	11-089	Deadlatch, Std H400 Series, 2¾" BS
	11-085	Deadlatch, Std H100 Series, 2⅜" BS
AI	21-003	Cylinder Unit, Ind (except Orbit)
	21-003 168	Cylinder Unit, Ind (Orbit)
AJ	A501-615	Spindle Wedge
AK	01-046 363	Plunger Unit, (except Orbit)
	01-046 431	Plunger Unit, (Orbit)
AL	35-251	Spanner Key
AM	A501-710	Swivel Sleeve
AN	G105-209	Housing & Spindle
AO	07-035	Rose, No Turn Unit
AP	G505-761	Mounting Screw, Wood Doors (4)
	A501-161	Mounting Screw, Metal Doors (4)
AS	01-002	Rose, Outside Unthreaded
	01-021	Rose, Outside Threaded
AT	A201-330	Chassis, Unthreaded
	A201-684	Chassis, Threaded
AU	A501-167	Spindle, Mortise
AV	A201-399	Hub & Cap
AW	A501-526	Slide, Restoring
AX	A501-527	Slide, Non-Restoring
AY	A501-900	Frame
AZ	A501-901	Plate Outside

FUNCTIONS							
H110	H410	H153	H453	H185	H485	H170	H172
		●	●	●	●		
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H110	H410	H153	H453	H185	H485	H170	H172

Mounting Screw & Cylinder Bar Guide

5 Pin Cylinder

FUNCTION	DOOR THICKNESS	SCREWS	Length	Des.	CYLINDER BAR No.	CYLINDER BAR Length
H110	1⅜", 1½", 1⅝", 1¾"	A501-162 2 ea E505-315 2 ea	2 1/16" 1½"	Cyl. Mtg. Chas. Mtg.	B520-067	2"
H153 H410 H453	same as H110					

6 Pin Cylinder

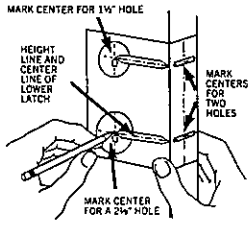
H110	1⅜", 1½", 1⅝", 1¾"	E505-317 2 ea E505-315 2 ea	2 5/16" 1½"	Cyl. Mtg. Chas. Mtg.	B520-067	2"
H153 H185 H410 H453 H485	same as H110					

SCHLAGE H/Installation Instructions

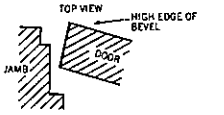
SEE STEP 10 TO CHECK THAT LOCK MATCHES SWING OF DOOR.

1 MARK DOOR

Mark height line on edge of door. Suggested height from floor is 38". Mark center point of door thickness. Position template with center line for lower latch hole on height line. Mark centers as shown below.

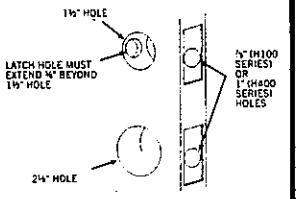


NOTE: On doors with beveled edge, template must be located on high side of bevel



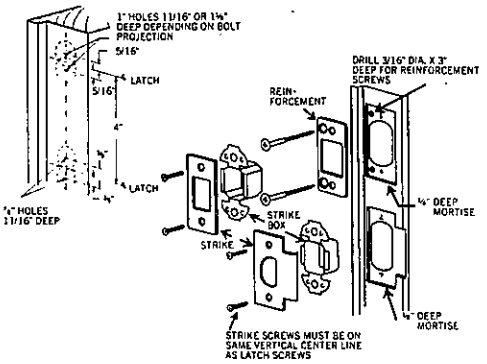
2 BORE FOUR HOLES

Bore a 1½" hole and a 2⅛" hole from both sides of door. Bore two ⅝" or 1" holes into edge of door. Check latches for proper size. Mortise for latch front as shown below.



3 INSTALL STRIKES & REINFORCEMENT

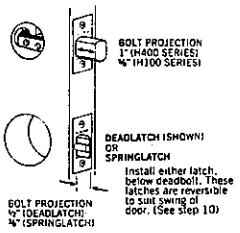
Mark jamb exactly opposite centers of latch holes. Locate centers, bore and clear out hole for strike boxes. Mortise jamb and install reinforcement (for deadbolt) and strikes.



4 INSTALL LATCH UNITS

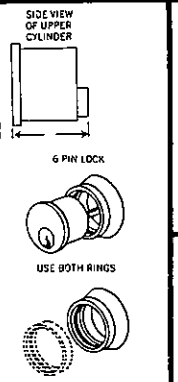
DEADBOLT

Extend bolt then insert latch on door: if resistance is met while inserting do not exert pressure on bolt. Press firmly on latch faceplate.



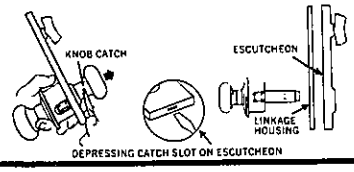
5 SELECT RINGS (UPPER LOCK)

Select proper cylinder rings to adjust for door thickness. Determine type of lock furnished by diagram below.

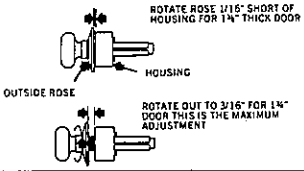


6 REMOVE INSIDE TRIM

Depressing knob catch, slide knob off spindle. Depress catch slot at bottom of escutcheon to separate escutcheon from linkage housing.

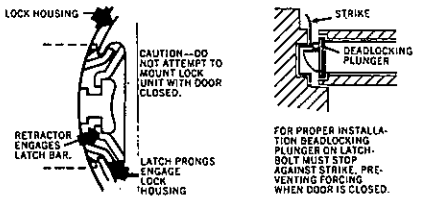


7 ADJUST ROSE (LOWER LOCK)

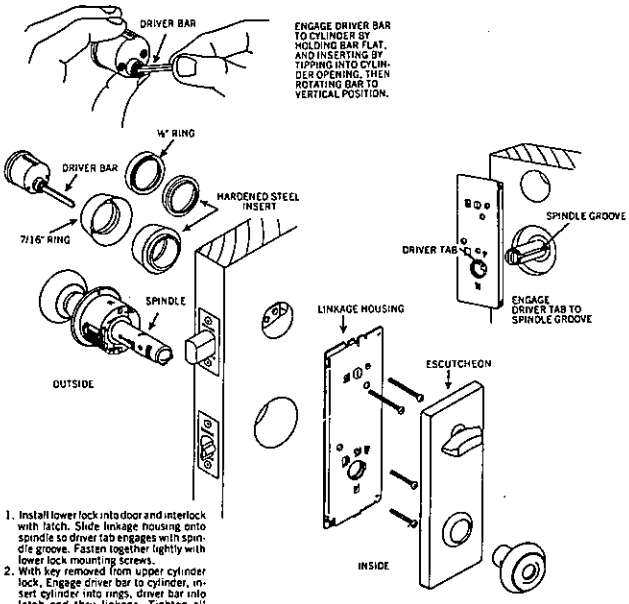


8 INTERLOCK UNITS (LOWER LOCK)

Latch unit must be in place before installing lock. Be sure lock housing engages with latch prongs and retractor interlocks with latch bar.



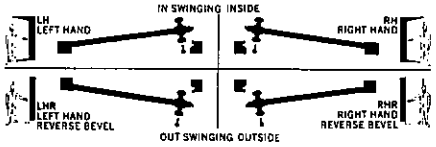
9 ATTACH INSIDE AND OUTSIDE TRIM



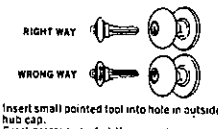
1. Install lower lock into door and interlock with latch. Slide linkage housing onto spindle so driver tab engages with spindle groove. Fasten together lightly with lower lock mounting screws.
2. With key removed from upper cylinder lock, Engage driver bar to cylinder, insert cylinder into rings, driver bar into latch and thru linkage. Tighten all mounting screws securely.
3. Fit escutcheon over linkage housing checking to see that driver bar slides into thumb turn then snap into place.
4. Slide knob over spindle to knob catch—then depress catch and push knob into place.

10 TO CHANGE LOCK HAND ON H151, H185, H451 & H485 (LOWER LOCK)

Knob unit in these locks have been factory assembled for right or left hand door as ordered. The illustration below shows how to correctly determine the hand of the door.



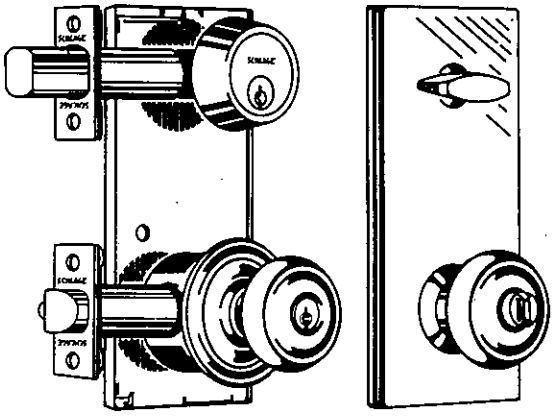
If necessary to change hand of the lock so cylinder will be in the correct position as shown, refer to following instructions:



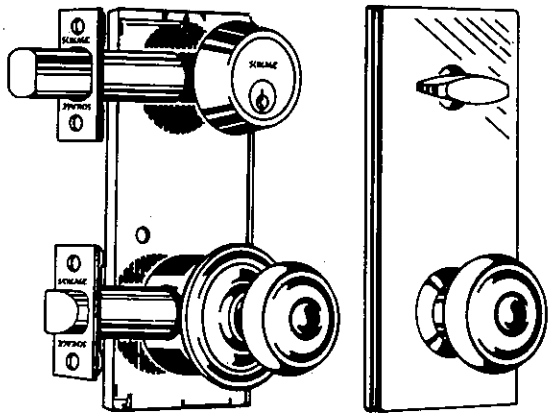
1. Insert small pointed tool into hole in outside hub cap.
2. Exert pressure and at the same time insert key, turn slowly until knob catch depresses; then pull off knob.
3. Turn knob over with key partly removed from cylinder, replace knob on spindle.
4. Slide knob up to knob catch
5. Turn key one-quarter turn in same direction as before, depress knob catch and push knob into position.

SCHLAGE H/Trim Designs

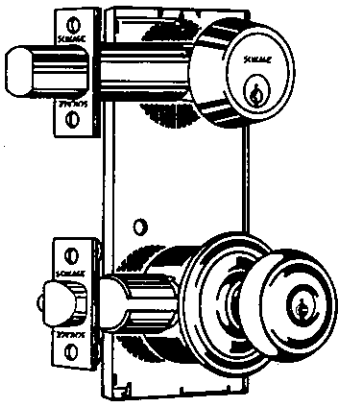
All current A Series designs are available for the H Series.



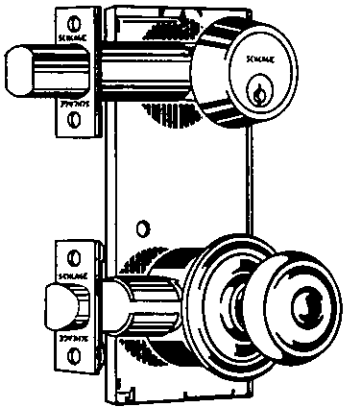
Georgian H153



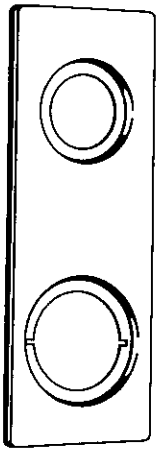
Georgian H110



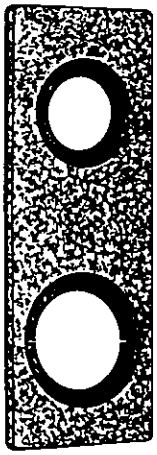
H453
(Discontinued)



H410
(Discontinued)

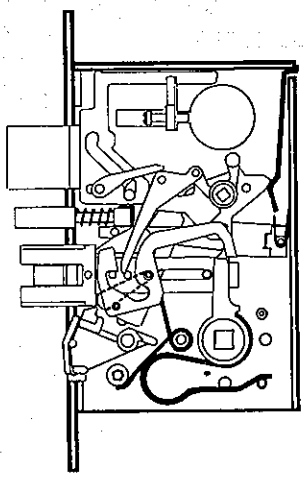


Meteor



Claremont

Index



Series Locks K

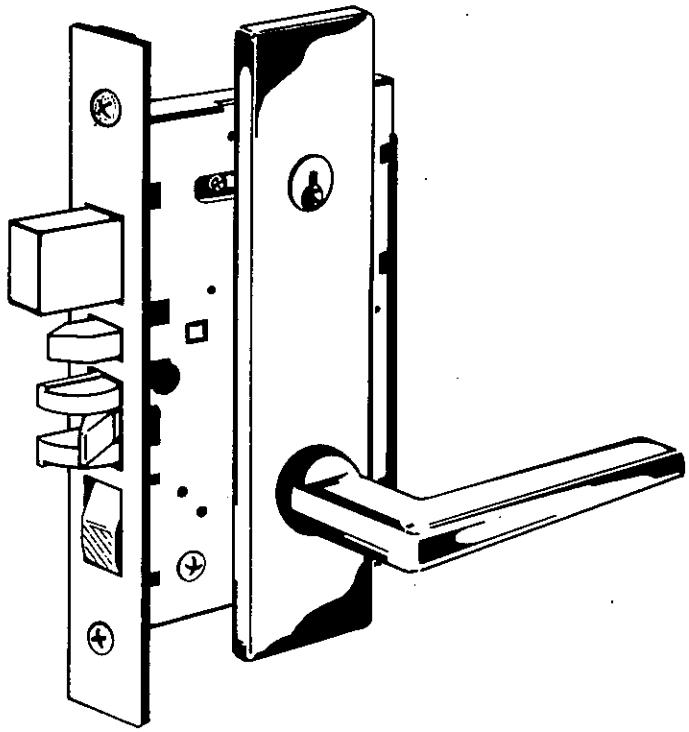
K Series Mortise Locks

For Models MK76 and MK80 Series 3000, 4000, 5000, 6000

Parts and mechanisms for lock series K3000, 4000, 5000 and 6000 manufactured between 1976 and 1980 were substantially revised from the original lock cases. Since 1980 additional improvements have been made in the mechanisms resulting in a number of functions being discontinued and parts not interchangeable. For those parts where new replacements are not available, discontinued parts will be supplied as long as the inventory lasts.

This manual illustrates parts assembly details for each lever case function for a RH door installation, and a completely assembled view of a case for a RH and LH door. Also included are the parts necessary to convert the lever case to one for knob trim. Assembly details for knob trim parts are graphically shown on pages 152,153 and 154 with typical knob case assemblies.

The Schlage Lock Company reserves the right to make changes in designs and specifications or to make additions or improvements to its products without notice and without incurring any obligation to incorporate them on products previously manufactured. Contact your Schlage dealer for availability of current designs and finishes.



Function Assembly Index

K Lock Chassis

Chassis include the lock case, cover, face plate and all internal parts only.
They are not furnished with armored fronts, cylinders, spindles, strikes or screws.

Chassis for Lever Locks

Function		RH	LH	RHR	LHR
K5010	K6010	K110-078	K110-080	K110-082	K110-084
K5025	K6025	K110-094	K110-096	K110-098	K110-100
K5040	K6040	K110-676	K110-678	K110-680	K110-682
K5050	K6050	K110-174	K110-176	K110-178	K110-180
K5060	K6060	K110-388	K110-389	K110-390	K110-391
K5070	K6070	K110-142	K110-144	K110-146	K110-148
K5080	K6080	K110-158	K110-160	K110-162	K110-164
K5082	K6082	K110-692	K110-694	K110-696	K110-698
K5175	K6175	K110-704	K110-706	K110-706	K110-704
K5176	K6176	K110-704	K110-706	K110-706	K110-704
	K6177	K110-970	K110-971	K110-971	K110-970
	K6178	K110-970	K110-971	K110-971	K110-970
K5430	K6430	K110-370	K110-371	K110-372	K110-373
K5440	K6440	K110-354	K110-355	K110-356	K110-357
K5451		K110-732	K110-734	K110-736	K110-738
	K6451	K110-733	K110-735	K110-737	K110-739
K5452		K110-568	K110-570	K110-572	K110-574
	K6452	K110-569	K110-571	K110-573	K110-575
K5453	K6453	K110-346	K110-347	K110-348	K110-349
K5454	K6454	K110-362	K110-363	K110-364	K110-365
K5456	K6456	K110-354	K110-355	K110-356	K110-357
K5465	K6465	K110-370	K110-371	K110-372	K110-373
K5466	K6466	K110-370	K110-371	K110-372	K110-373
K5473	K6473	K110-370	K110-371	K110-372	K110-373
K5484		K110-748	K110-750	K110-752	K110-754
	K6484	K110-749	K110-751	K110-753	K110-755
K5485	K6485	K110-378	K110-379	K110-380	K110-381

Chassis for Knob Locks

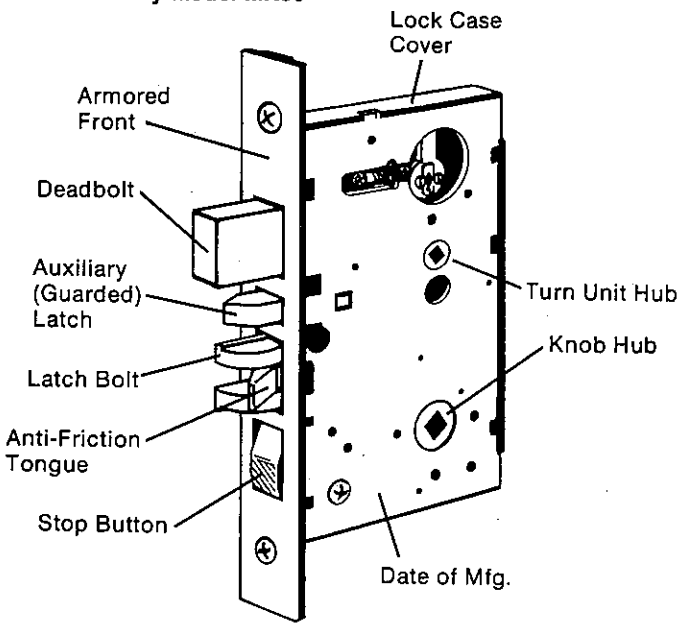
Function		RH	LH	RHR	LHR
K3010	K4010	K110-070	K110-072	K110-074	K110-076
K3025	K4025	K110-086	K110-088	K110-090	K110-092
K3040	K4040	K110-668	K110-670	K110-672	K110-674
K3050	K4050	K110-166	K110-168	K110-170	K110-172
K3060	K4060	K110-384	K110-385	K110-386	K110-387
K3070	K4070	K110-134	K110-136	K110-138	K110-140
K3080	K4080	K110-150	K110-152	K110-154	K110-156
K3082	K4082	K110-692	K110-694	K110-696	K110-698
K5175	K6175	K110-704	K110-706	K110-706	K110-704
K5176	K6176	K110-704	K110-706	K110-706	K110-704
	K6177	K110-970	K110-971	K110-971	K110-970
	K6178	K110-970	K110-971	K110-971	K110-970
K3430	K4430	K110-366	K110-367	K110-368	K110-369
K3440	K4440	K110-350	K110-351	K110-352	K110-353
K3451		K110-724	K110-726	K110-728	K110-730
	K4451	K110-725	K110-727	K110-729	K110-731
K3452		K110-560	K110-562	K110-564	K110-566
	K4452	K110-561	K110-563	K110-565	K110-567
K3453	K4453	K110-342	K110-343	K110-344	K110-345
K3454	K4454	K110-358	K110-359	K110-360	K110-361
K3456	K4456	K110-350	K110-351	K110-352	K110-353
K3465	K4465	K110-366	K110-367	K110-368	K110-369
K3466	K4466	K110-366	K110-367	K110-368	K110-369
K3473	K4473	K110-366	K110-367	K110-368	K110-369
K3484		K110-740	K110-742	K110-744	K110-746
	K4484	K110-741	K110-743	K110-745	K110-747
K3485	K4485	K110-374	K110-375	K110-376	K110-377

Chassis for Deadlocks

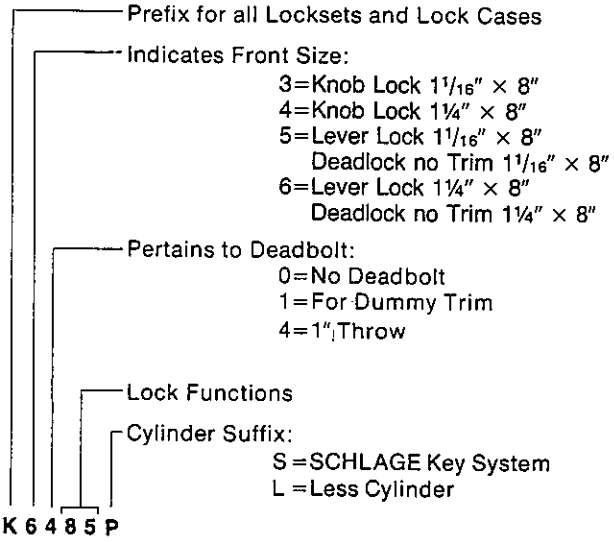
K5460	K6460	K110-382	K110-383	K110-383	K110-382
K5462	K6462	K110-382	K110-383	K110-383	K110-382
K5463	K6463	K110-382	K110-383	K110-383	K110-382
K5464	K6464	K110-382	K110-383	K110-383	K110-382

Quality Construction Standards

Lock Case Assembly Model MK80



Product Identification



Suffix symbols for optional variables
Lock Front: RC=Rounded Corner ¼" Radius
FF=Flat Front

All lever and knob locks have the following characteristics:

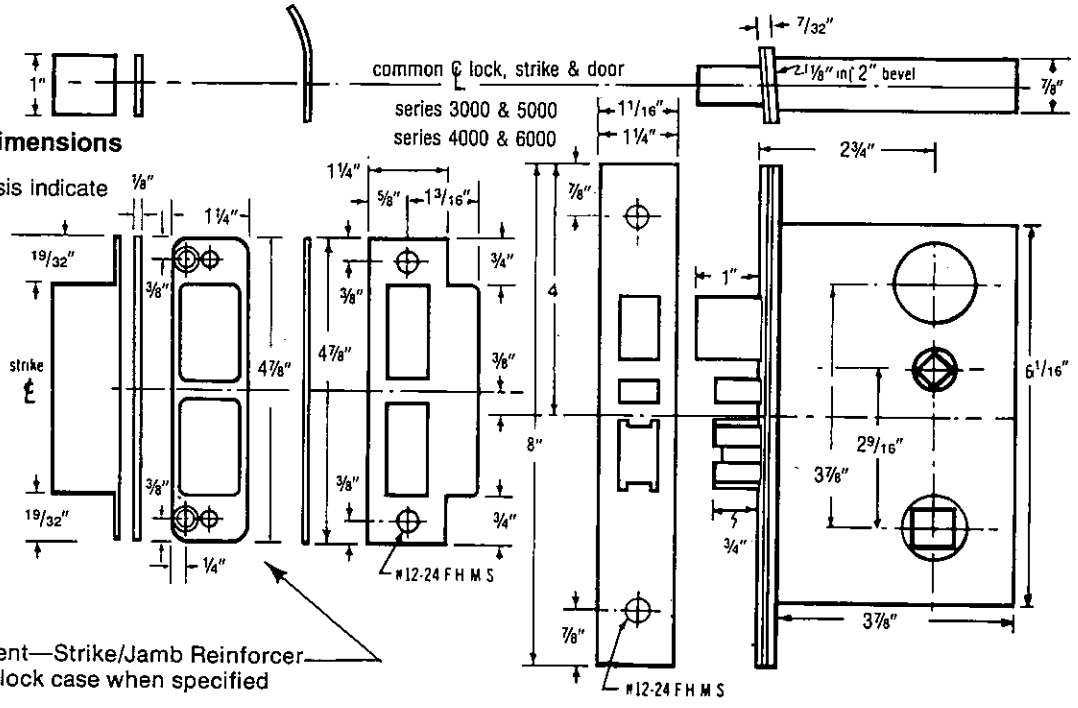
Case size: 3⅞" × 6 1/16" × ⅞"
Backset: 2¾" standard
Armored Front: 1 1/16" × 8" × 7/32" or 1¼" × 8" × 7/32"
Deadbolt Throw: 1" standard
Spacing—℄ Knob or Lever to ℄ cylinder: 3⅞"
Spacing—℄ Knob or Lever to ℄ thumbturn: 2 9/16"
Hub size: 5/16" Knob on diamond, Lever on square

Rabbeted applications are specified by listing the applicable strike number 10-075 Rabbeted no lip. The Lock Front does not require modification.
Latchbolt: HB=Latch Holdback available for key operated functions 050, 080, 082.
Fusible Link: U=All Levers available with fusible link
Suffix symbol "U" to design number 17U, 18U, 61U.
For special conditions modifying standard lock contact the factory availability.

Lock and Strike Dimensions

Numbers in parenthesis indicate measurements in millimeters.

Strikes
10-072 with Lip
10-073 no Lip, for Deadbolts
- Reversible
- ANSI dimension and mounting
- Available in all lock finishes



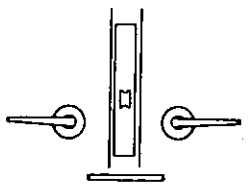
- 37-015 Reinforcement—Strike/Jamb Reinforcer furnished with any lock case when specified

Passage

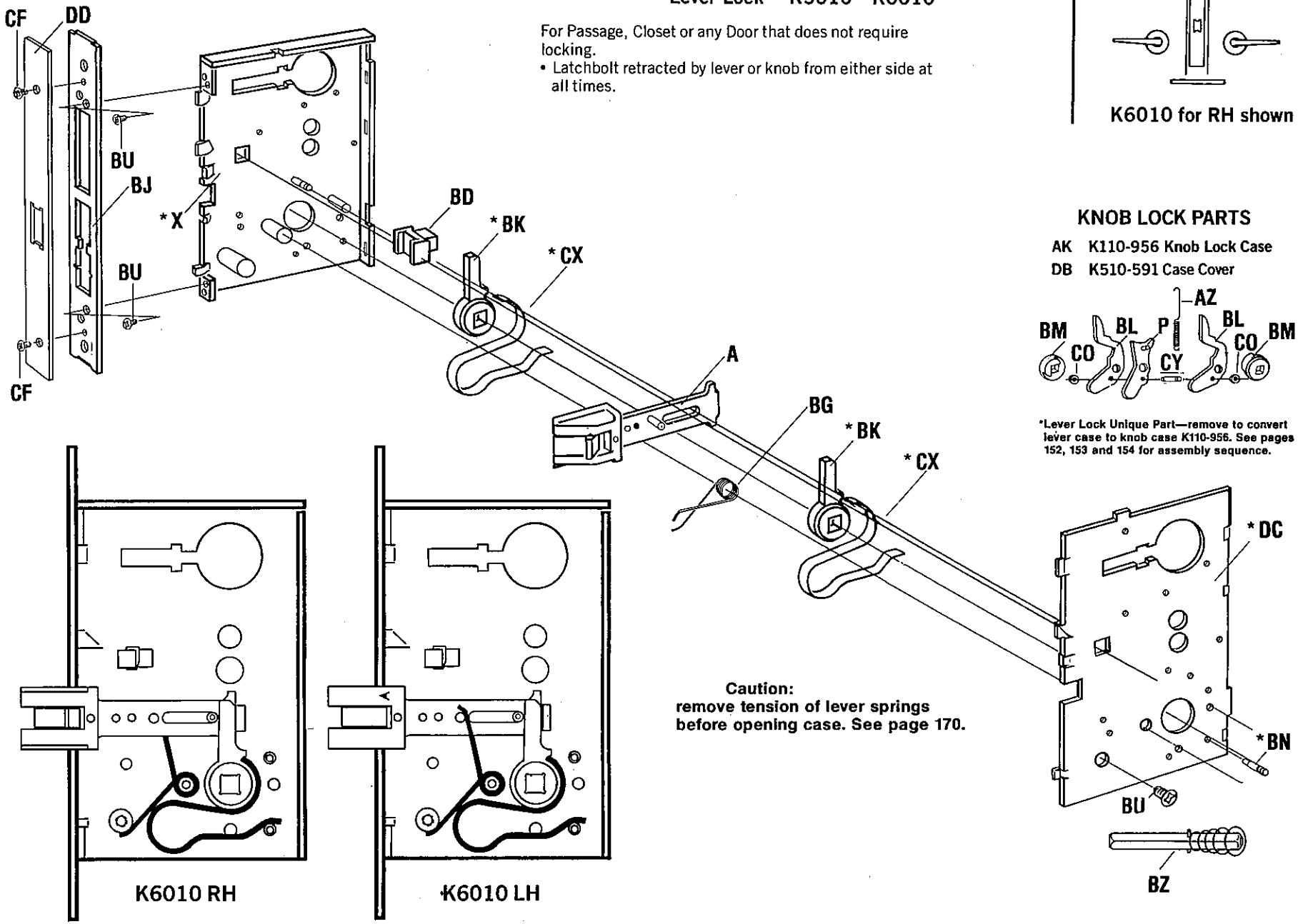
	1 1/16" Front	1 1/4" Front
Knob Lock	K3010	K4010
Lever Lock	K5010	K6010

For Passage, Closet or any Door that does not require locking.

- Latchbolt retracted by lever or knob from either side at all times.



K6010 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

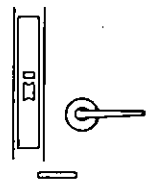
Caution:
remove tension of lever springs before opening case. See page 170.

Exit Door

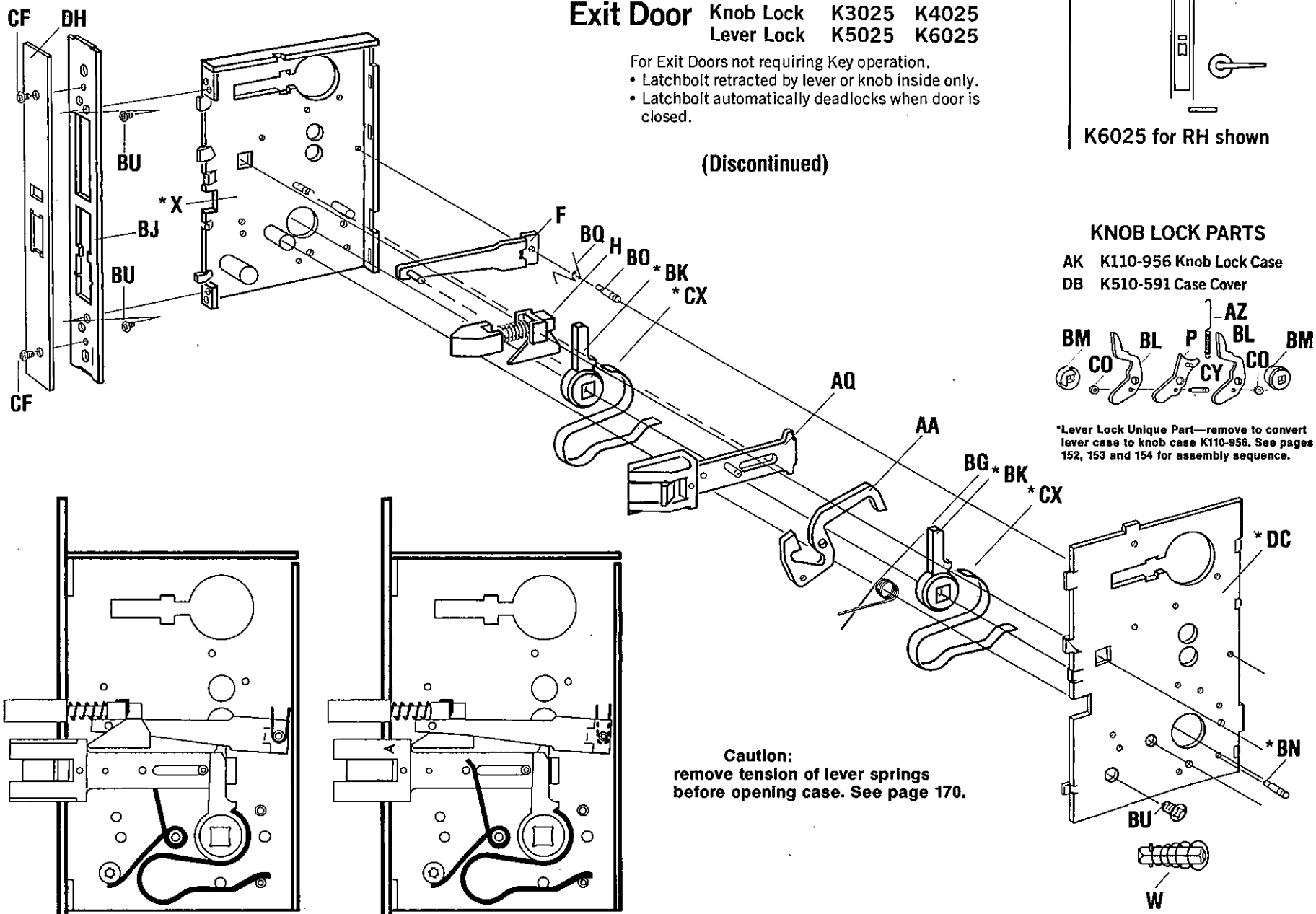
	1 1/16" Front	1 1/4" Front
Knob Lock	K3025	K4025
Lever Lock	K5025	K6025

For Exit Doors not requiring Key operation.
- Latchbolt retracted by lever or knob inside only.
- Latchbolt automatically deadlocks when door is closed.

(Discontinued)



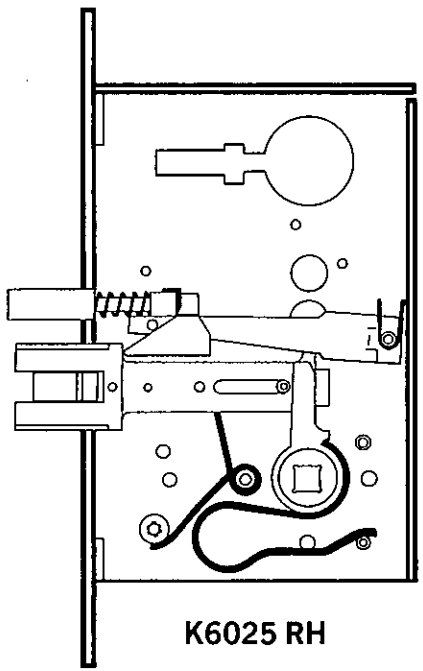
K6025 for RH shown



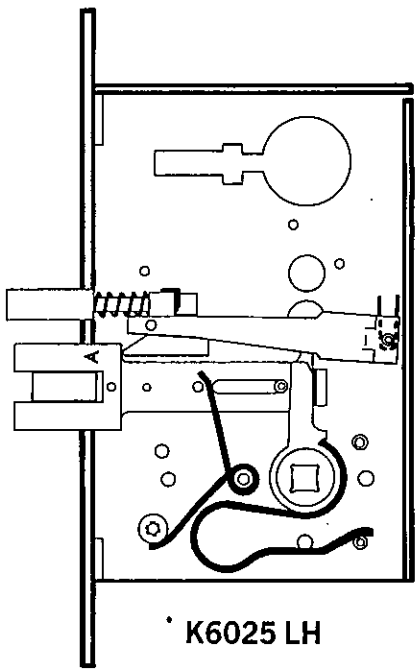
KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6025 RH



K6025 LH

Caution:
remove tension of lever springs before opening case. See page 170.

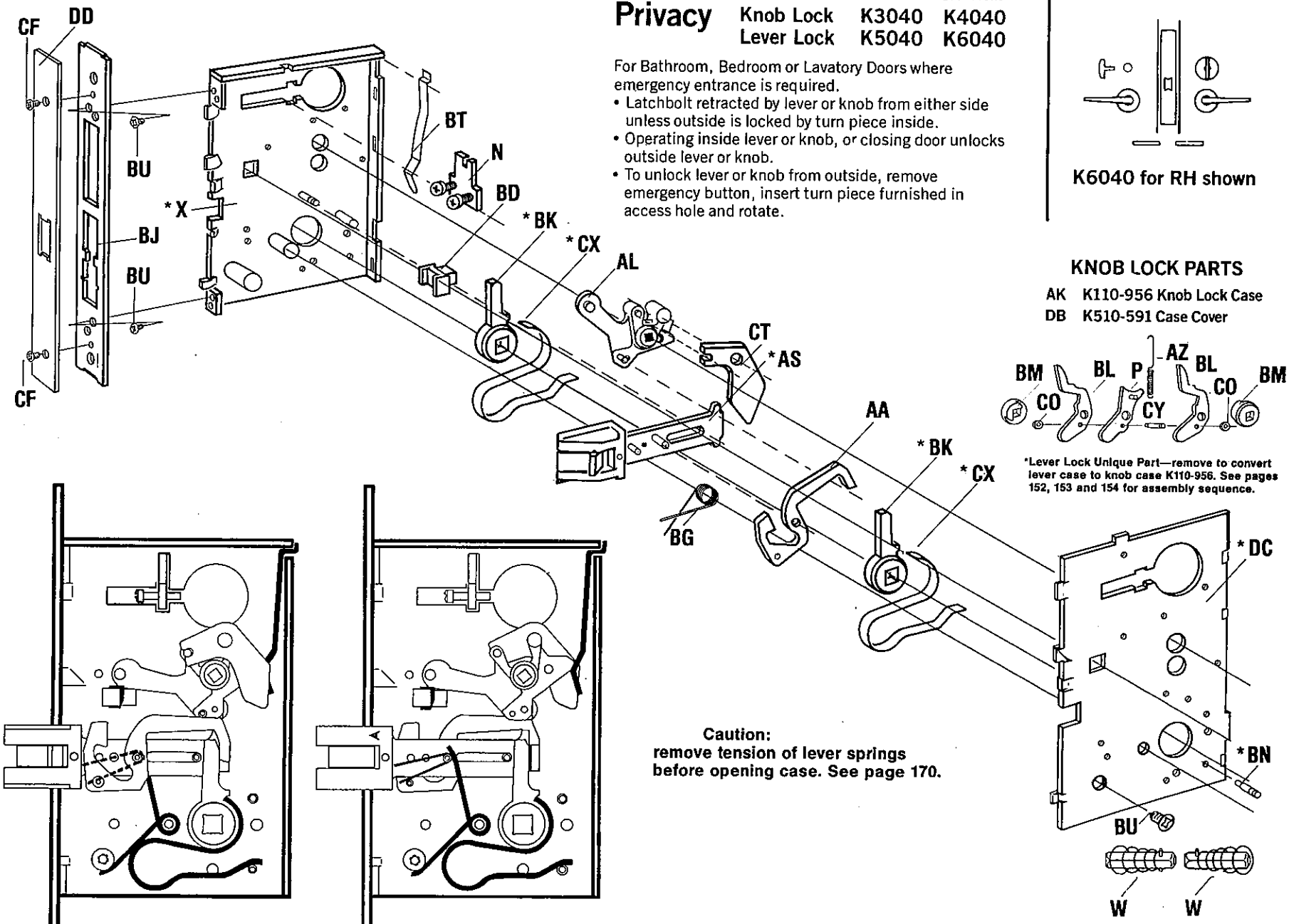
Privacy

	1 1/16" Front	1 1/4" Front
Knob Lock	K3040	K4040
Lever Lock	K5040	K6040

For Bathroom, Bedroom or Lavatory Doors where emergency entrance is required.

- Latchbolt retracted by lever or knob from either side unless outside is locked by turn piece inside.
- Operating inside lever or knob, or closing door unlocks outside lever or knob.
- To unlock lever or knob from outside, remove emergency button, insert turn piece furnished in access hole and rotate.

K6040 for RH shown

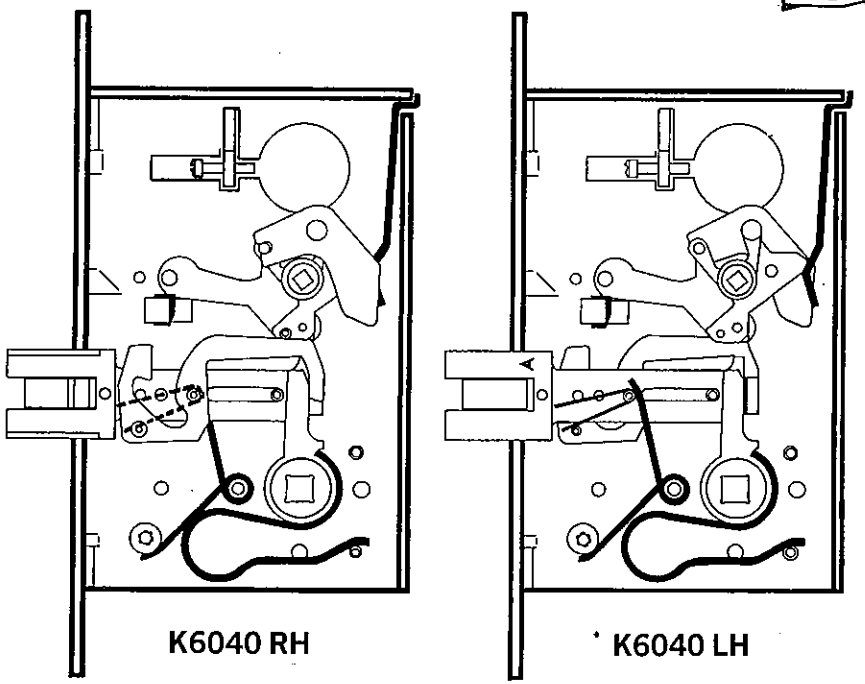


KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

Caution:
remove tension of lever springs before opening case. See page 170.



K6040 RH

K6040 LH

Single Dummy Trim — Lever Lock

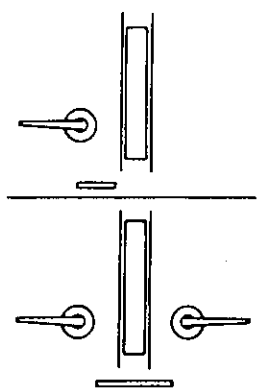
1 1/16" Front	1 1/4" Front
K5175	K6175

Pair Dummy Trim — Lever Lock

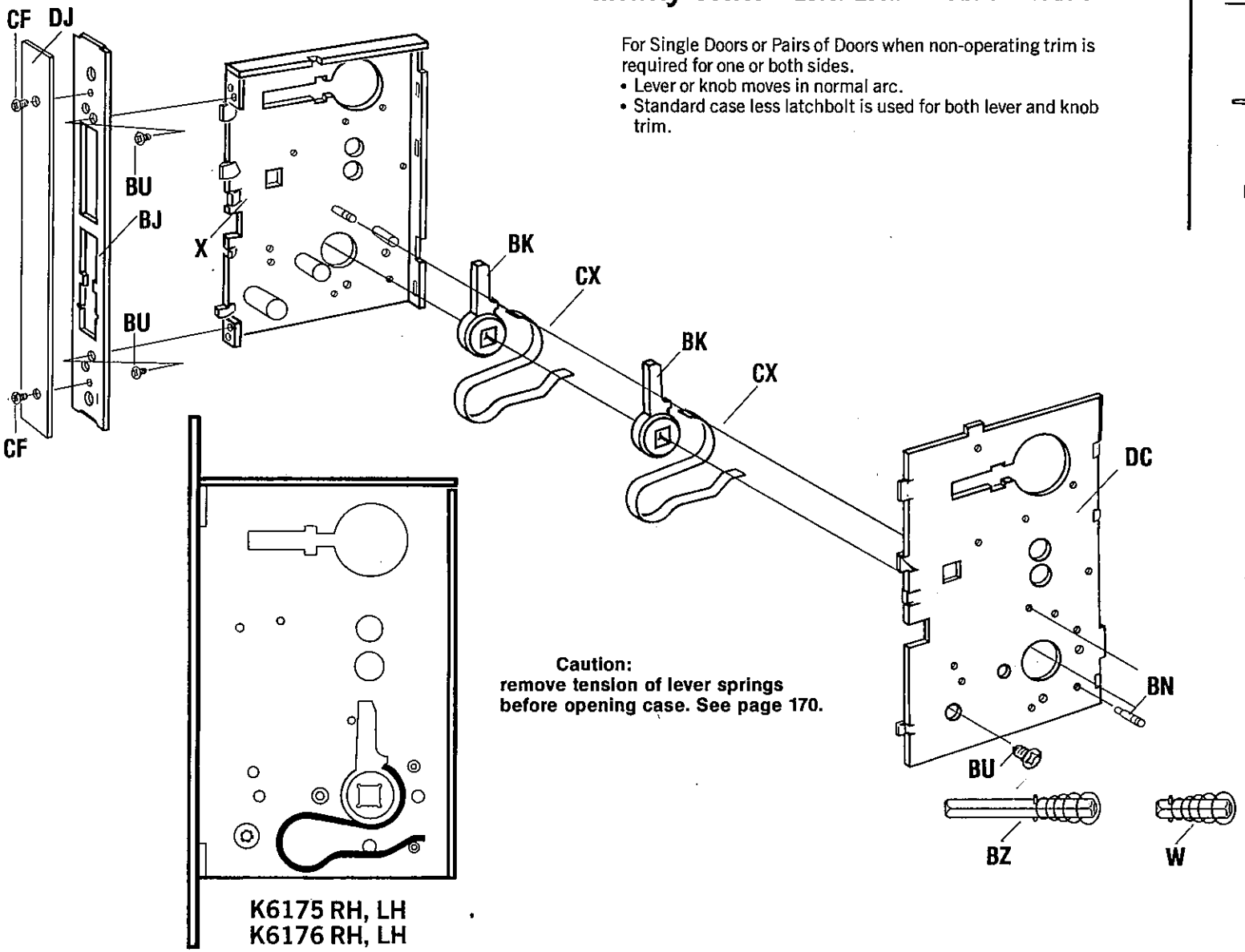
1 1/16" Front	1 1/4" Front
K5176	K6176

For Single Doors or Pairs of Doors when non-operating trim is required for one or both sides.

- Lever or knob moves in normal arc.
- Standard case less latchbolt is used for both lever and knob trim.



K6175, K6176
for RH shown



K6175 RH, LH
K6176 RH, LH

Caution:
remove tension of lever springs before opening case. See page 170.

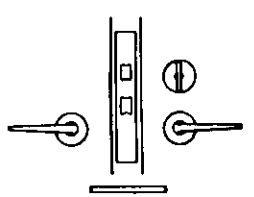
Patio

	1 1/16" Front	1 1/4" Front
Knob Lock	K3430	K4430
Lever Lock	K5430	K6430

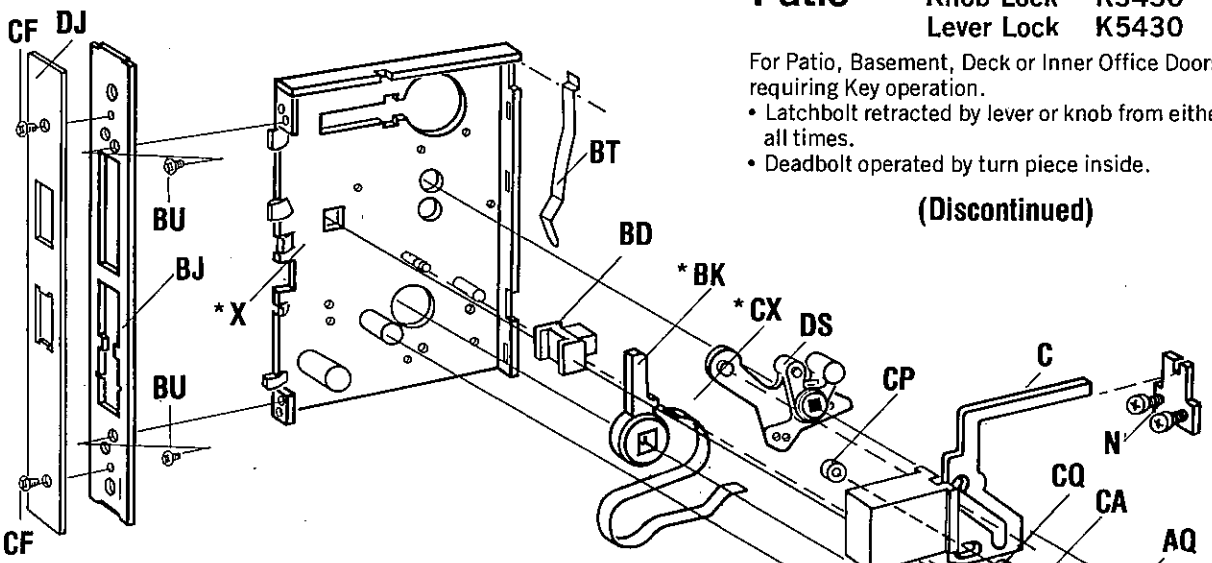
For Patio, Basement, Deck or Inner Office Doors not requiring Key operation.

- Latchbolt retracted by lever or knob from either side at all times.
- Deadbolt operated by turn piece inside.

(Discontinued)

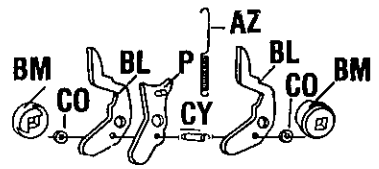


K6430 for RH shown

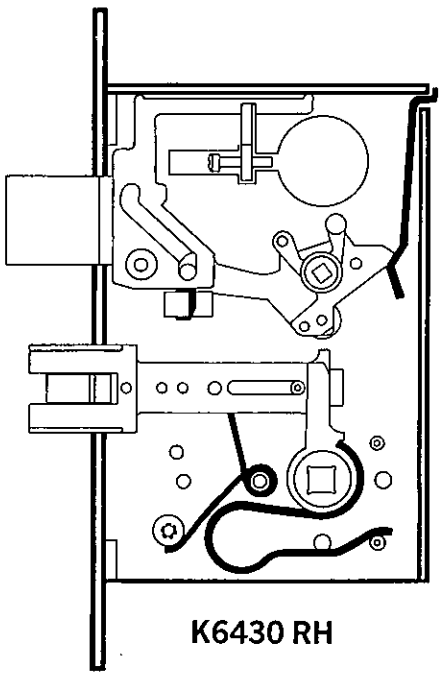


KNOB LOCK PARTS

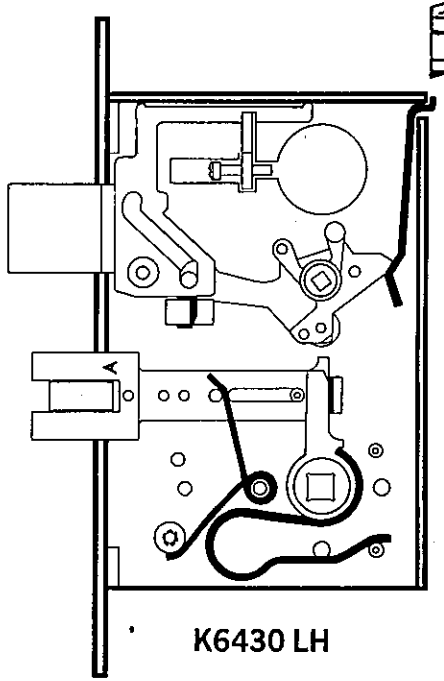
AK K110-956 Knob Lock Case
DB K510-591 Case Cover



*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

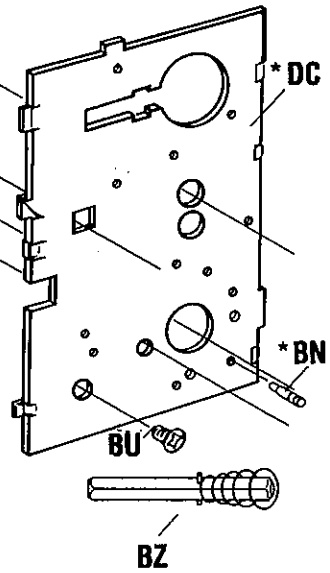


K6430 RH



K6430 LH

Caution:
remove tension of lever springs before opening case. See page 170.



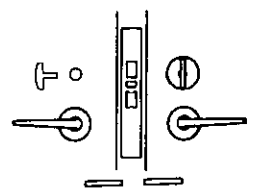
Privacy

	1 11/16" Front	1 1/4" Front
Knob Lock	K3440	K4440
Lever Lock	K5440	K6440

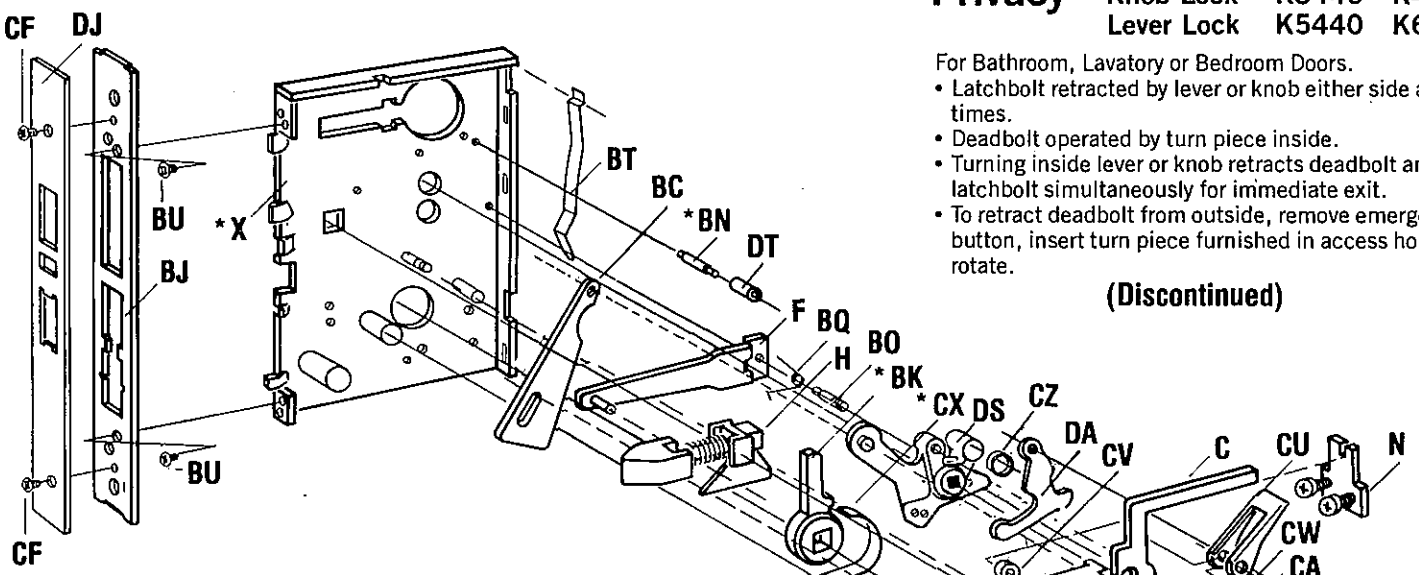
For Bathroom, Lavatory or Bedroom Doors.

- Latchbolt retracted by lever or knob either side at all times.
- Deadbolt operated by turn piece inside.
- Turning inside lever or knob retracts deadbolt and latchbolt simultaneously for immediate exit.
- To retract deadbolt from outside, remove emergency button, insert turn piece furnished in access hole and rotate.

(Discontinued)

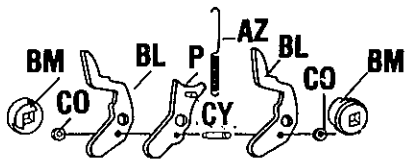


K6440 for RH shown

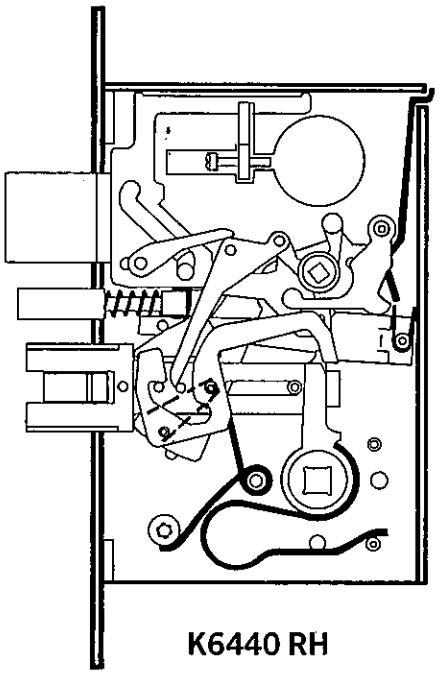


KNOB LOCK PARTS

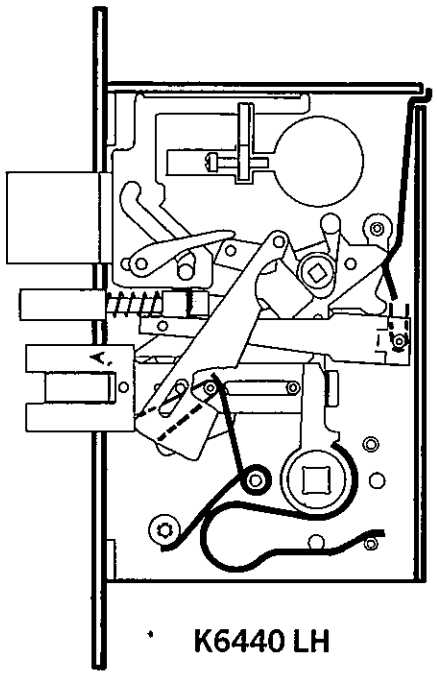
AK K110-956 Knob Lock Case
DB K510-591 Case Cover



*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6440 RH



K6440 LH

Caution:
remove tension of lever springs before opening case. See page 170.

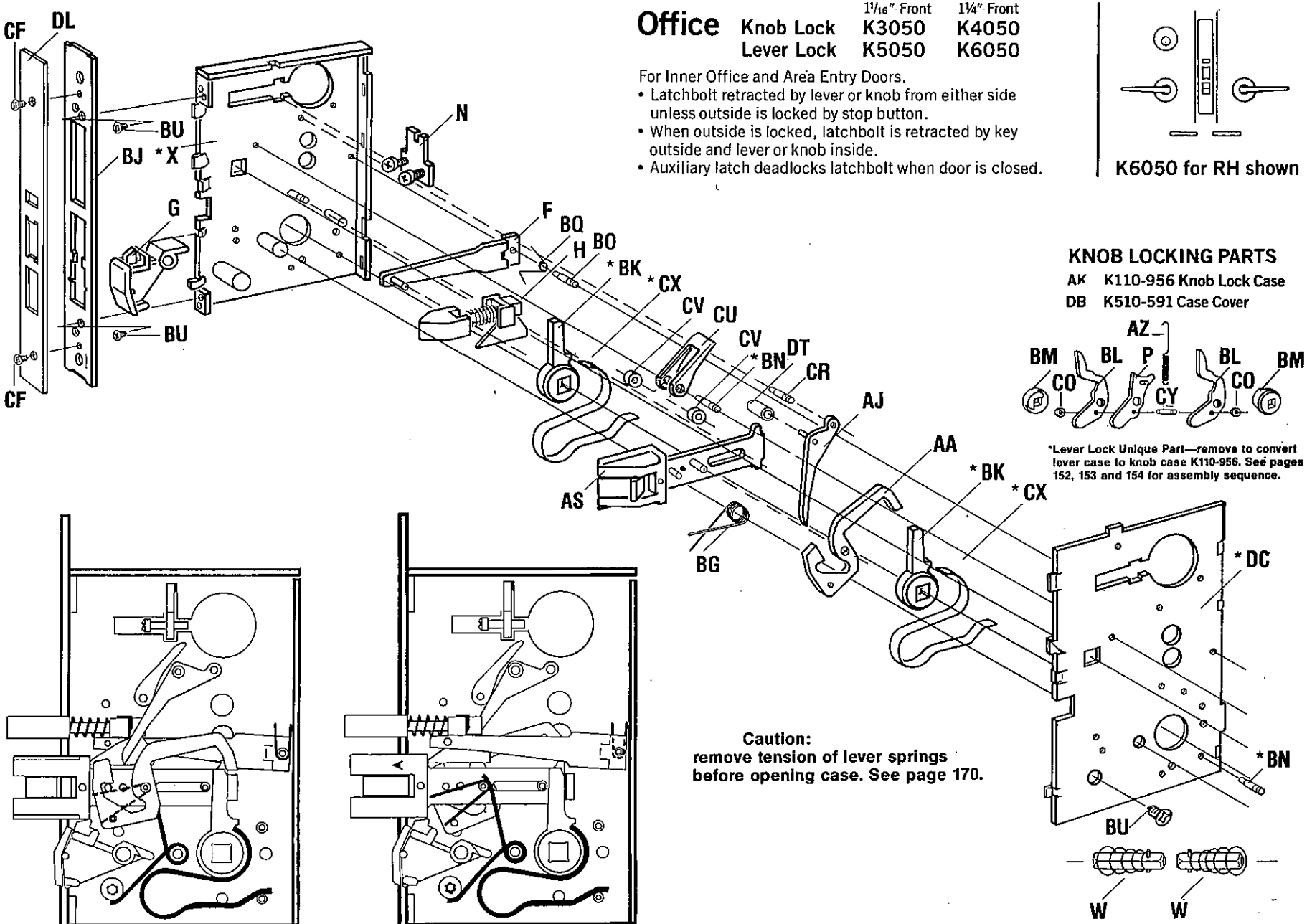
Office

	1 1/16" Front	1 1/4" Front
Knob Lock	K3050	K4050
Lever Lock	K5050	K6050

For Inner Office and Area Entry Doors.

- Latchbolt retracted by lever or knob from either side unless outside is locked by stop button.
- When outside is locked, latchbolt is retracted by key outside and lever or knob inside.
- Auxiliary latch deadlocks latchbolt when door is closed.

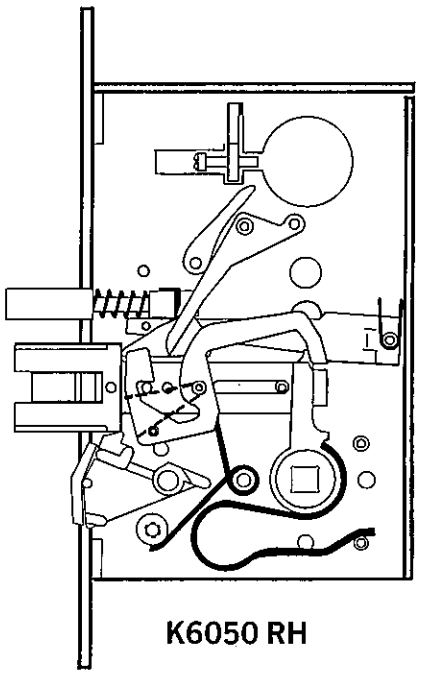
K6050 for RH shown



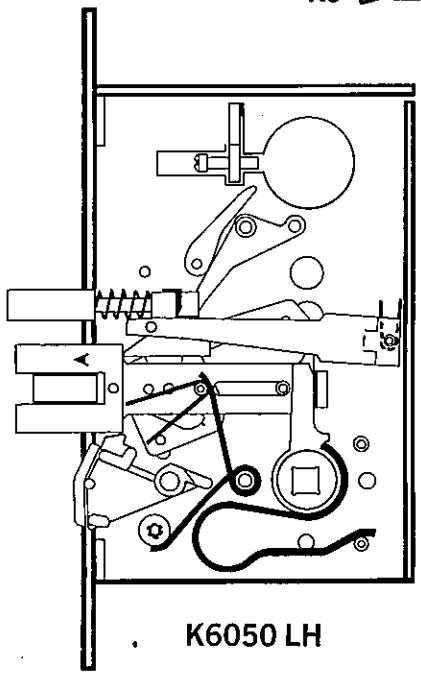
KNOB LOCKING PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6050 RH



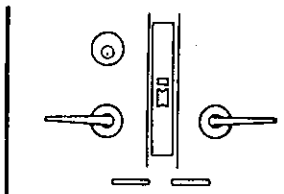
K6050 LH

Caution:
remove tension of lever springs before opening case. See page 170.

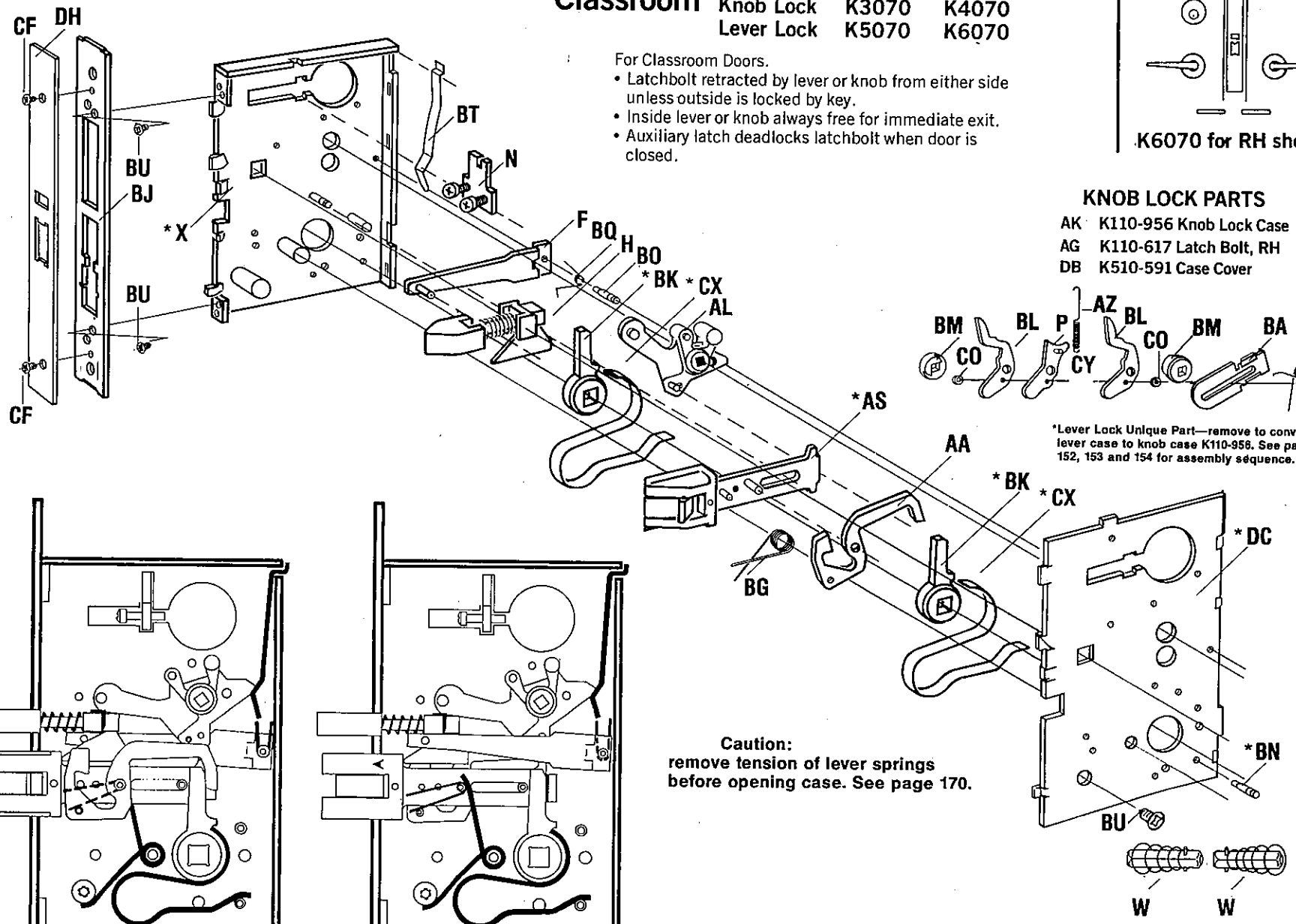
Classroom

	1 1/16" Front	1 1/4" Front
Knob Lock	K3070	K4070
Lever Lock	K5070	K6070

For Classroom Doors.
- Latchbolt retracted by lever or knob from either side unless outside is locked by key.
- Inside lever or knob always free for immediate exit.
- Auxiliary latch deadlocks latchbolt when door is closed.



K6070 for RH shown

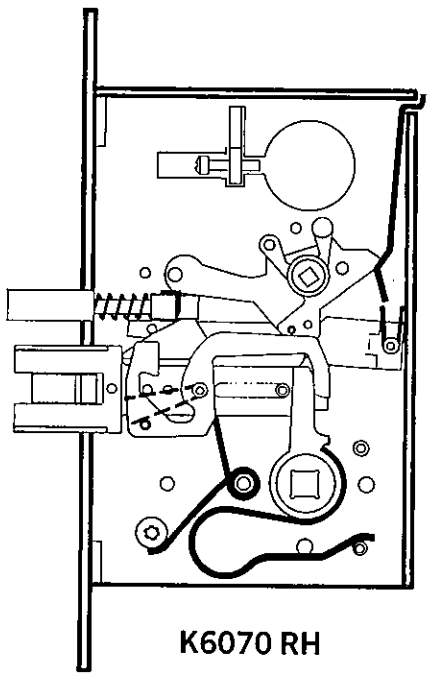


KNOB LOCK PARTS

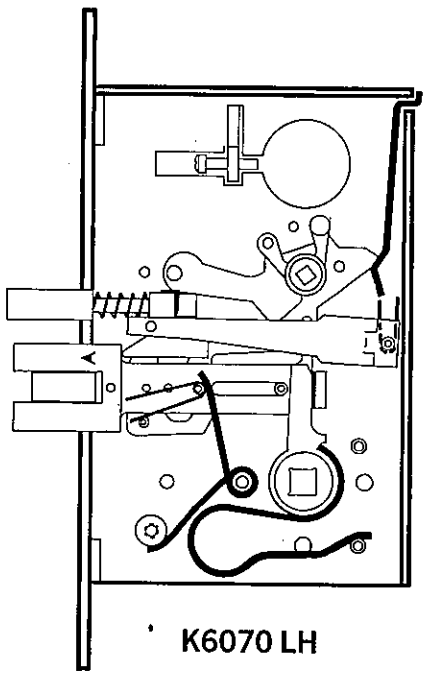
AK K110-956 Knob Lock Case
AG K110-617 Latch Bolt, RH
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

Caution:
remove tension of lever springs before opening case. See page 170.



K6070 RH



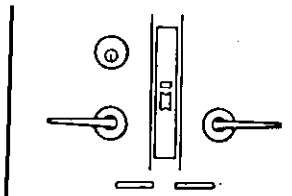
K6070 LH

Storeroom

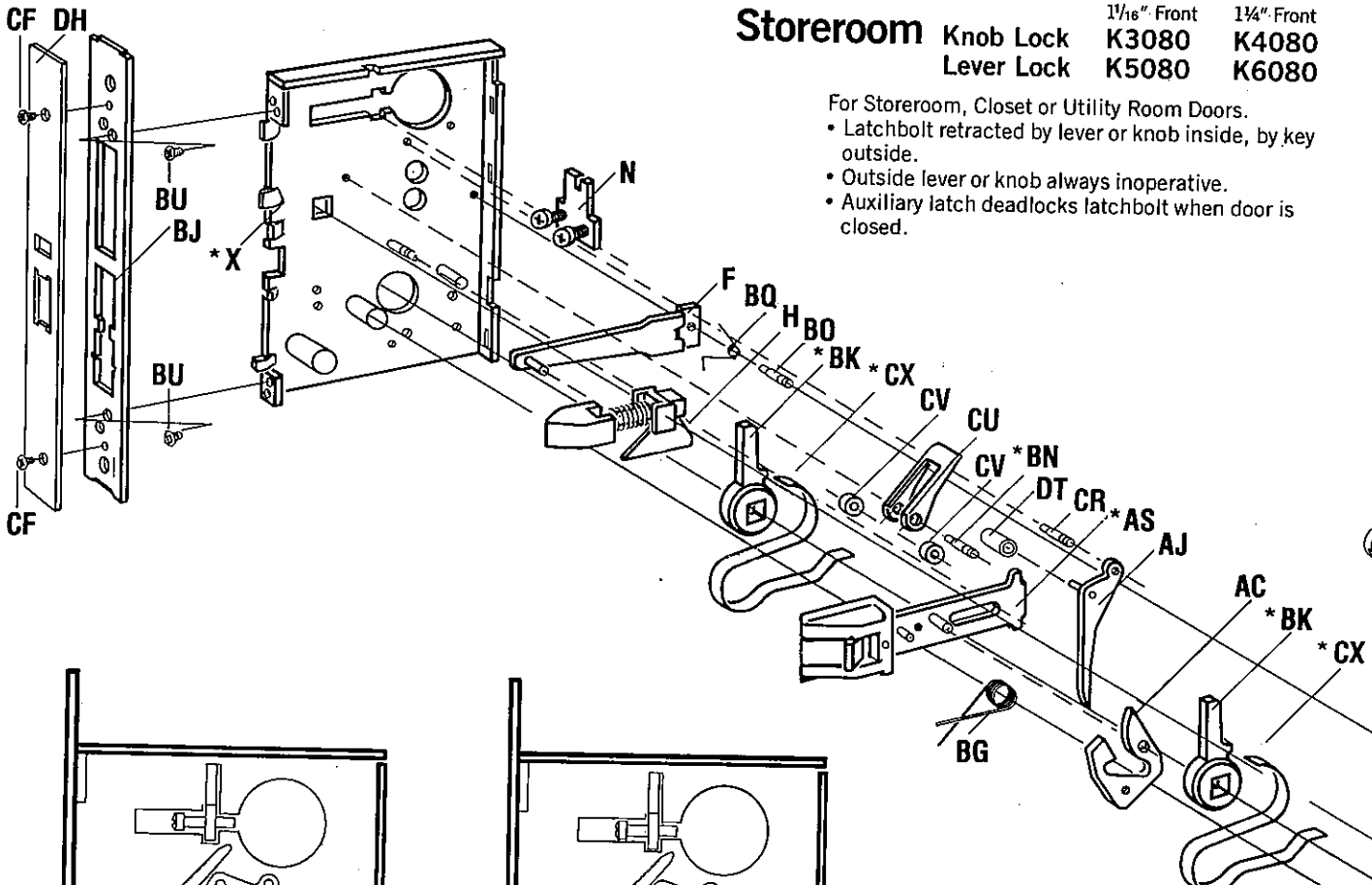
	1 1/16" Front	1 1/4" Front
Knob Lock	K3080	K4080
Lever Lock	K5080	K6080

For Storeroom, Closet or Utility Room Doors.

- Latchbolt retracted by lever or knob inside, by key outside.
- Outside lever or knob always inoperative.
- Auxiliary latch deadlocks latchbolt when door is closed.

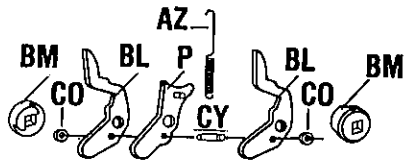


K6080 for RH shown

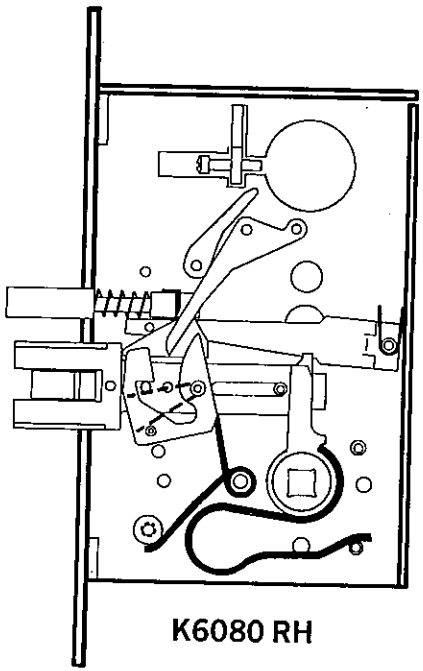


KNOB LOCKING PARTS

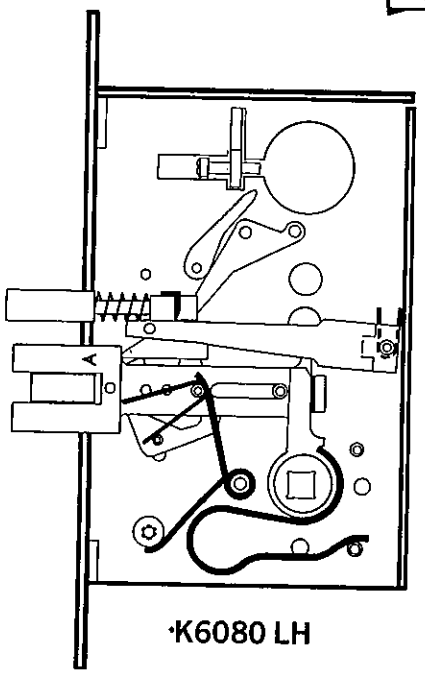
AK K110-956 Knob Lock Case
DB K510-591 Case Cover



*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6080 RH



*K6080 LH

Caution:
remove tension of lever springs before opening case. See page 170.

K110-396 W

K3080 K4080
K5080 K6080

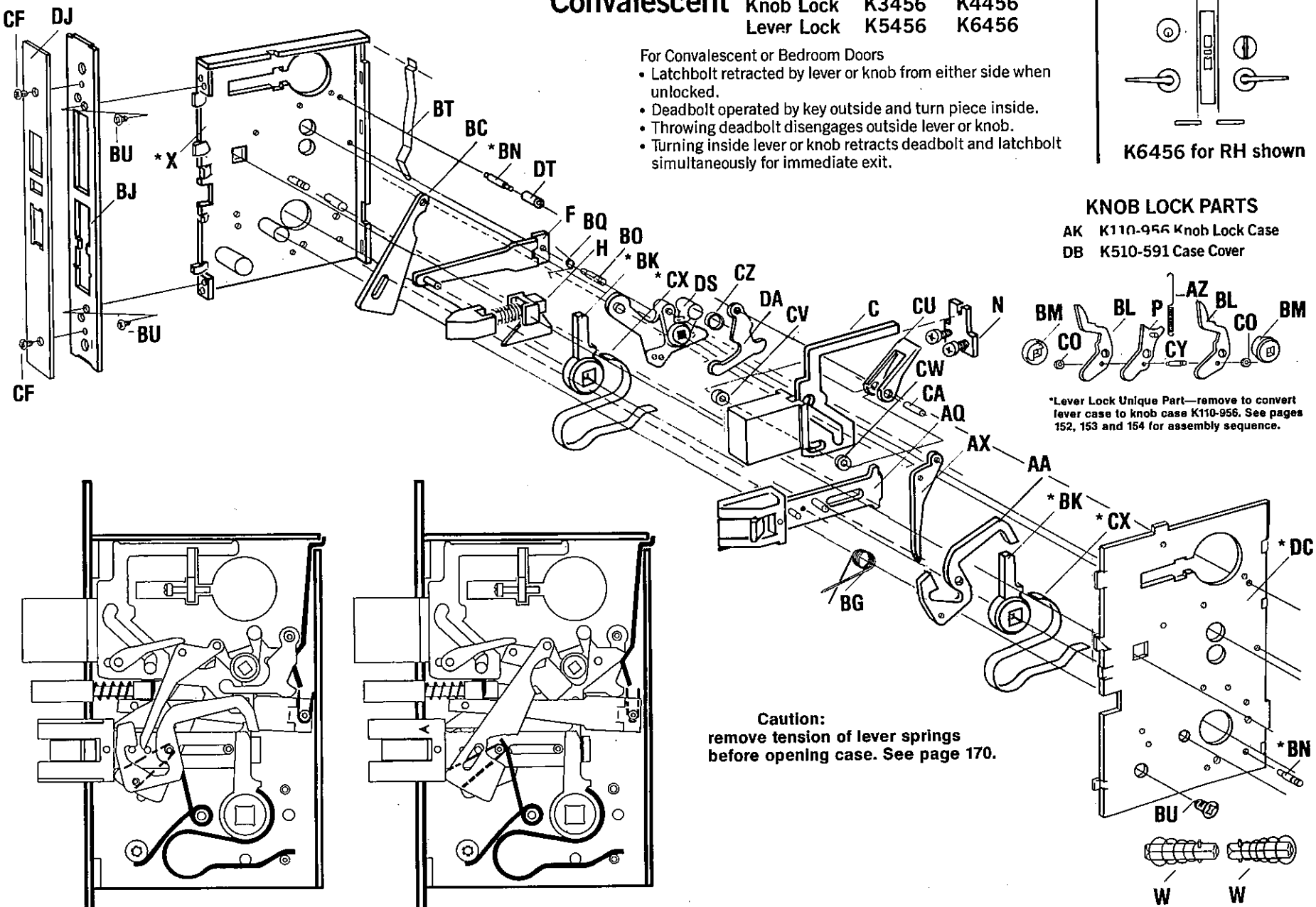
Convalescent

	1 1/16" Front	1 1/4" Front
Knob Lock	K3456	K4456
Lever Lock	K5456	K6456

For Convalescent or Bedroom Doors

- Latchbolt retracted by lever or knob from either side when unlocked.
- Deadbolt operated by key outside and turn piece inside.
- Throwing deadbolt disengages outside lever or knob.
- Turning inside lever or knob retracts deadbolt and latchbolt simultaneously for immediate exit.

K6456 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

K5456 RH
K6456 RH

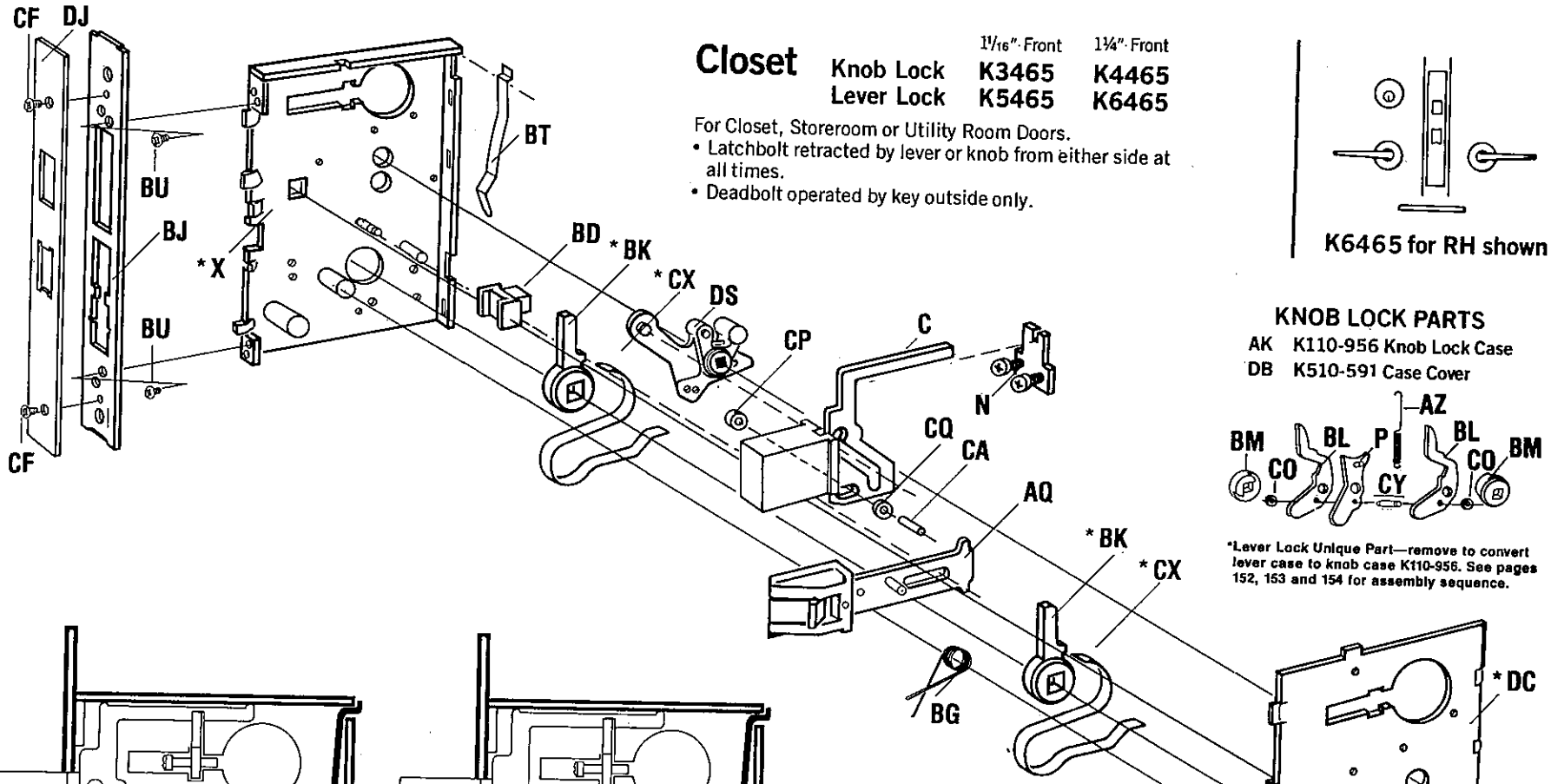
K5456 LH
K6456 LH

Caution:
remove tension of lever springs before opening case. See page 170.

Closet

	1 1/16" Front	1 1/4" Front
Knob Lock	K3465	K4465
Lever Lock	K5465	K6465

For Closet, Storeroom or Utility Room Doors.
- Latchbolt retracted by lever or knob from either side at all times.
- Deadbolt operated by key outside only.

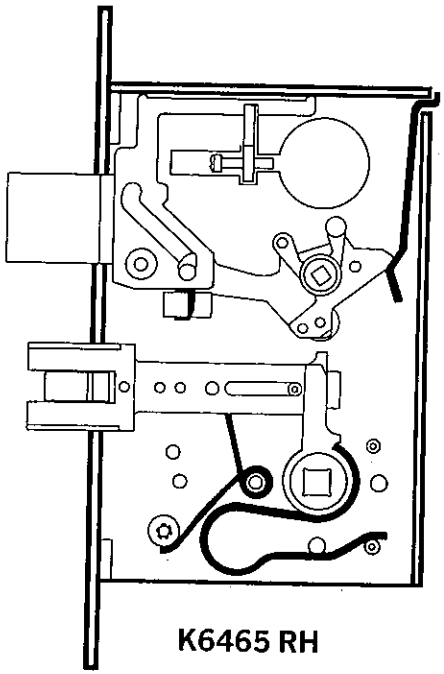


K6465 for RH shown

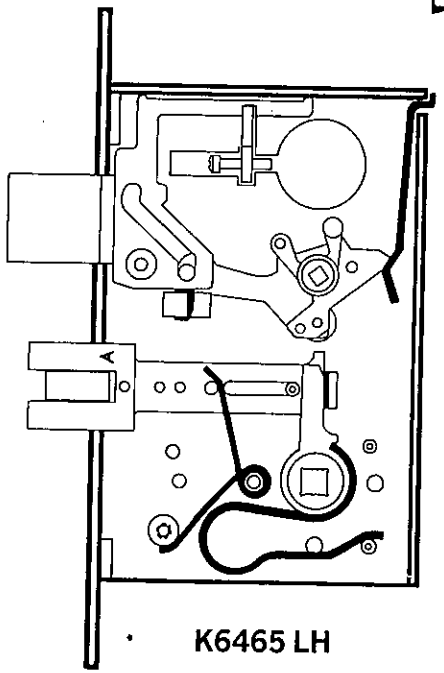
KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6465 RH



K6465 LH

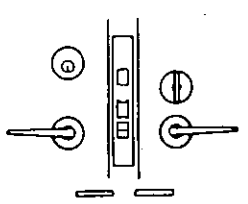
Caution:
remove tension of lever springs before opening case. See page 170.

Entrance

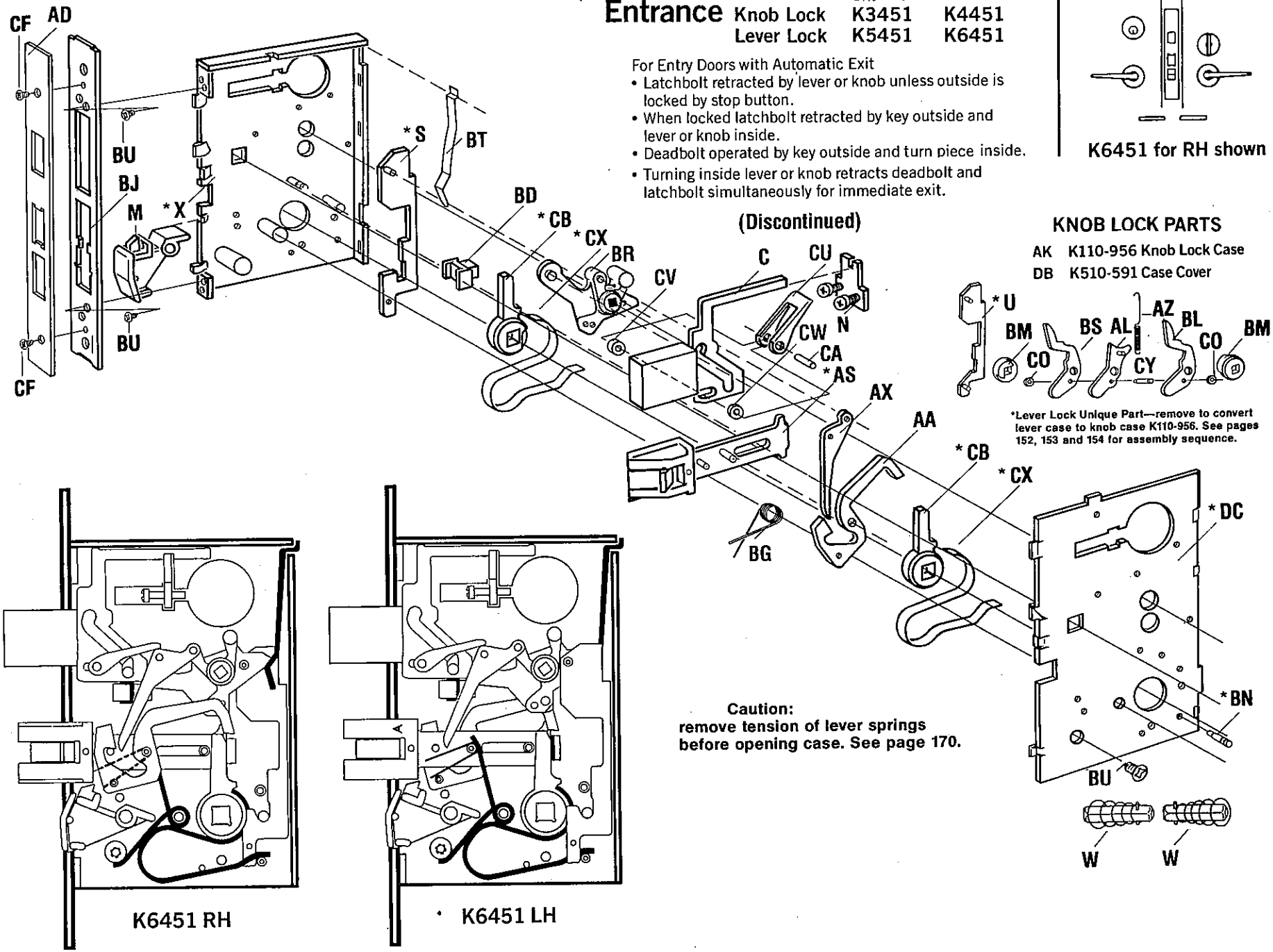
	1 1/16" Front	1 1/4" Front
Knob Lock	K3451	K4451
Lever Lock	K5451	K6451

For Entry Doors with Automatic Exit

- Latchbolt retracted by lever or knob unless outside is locked by stop button.
- When locked latchbolt retracted by key outside and lever or knob inside.
- Deadbolt operated by key outside and turn piece inside.
- Turning inside lever or knob retracts deadbolt and latchbolt simultaneously for immediate exit.



K6451 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

Caution:
remove tension of lever springs before opening case. See page 170.

K6451 RH

K6451 LH

Entrance

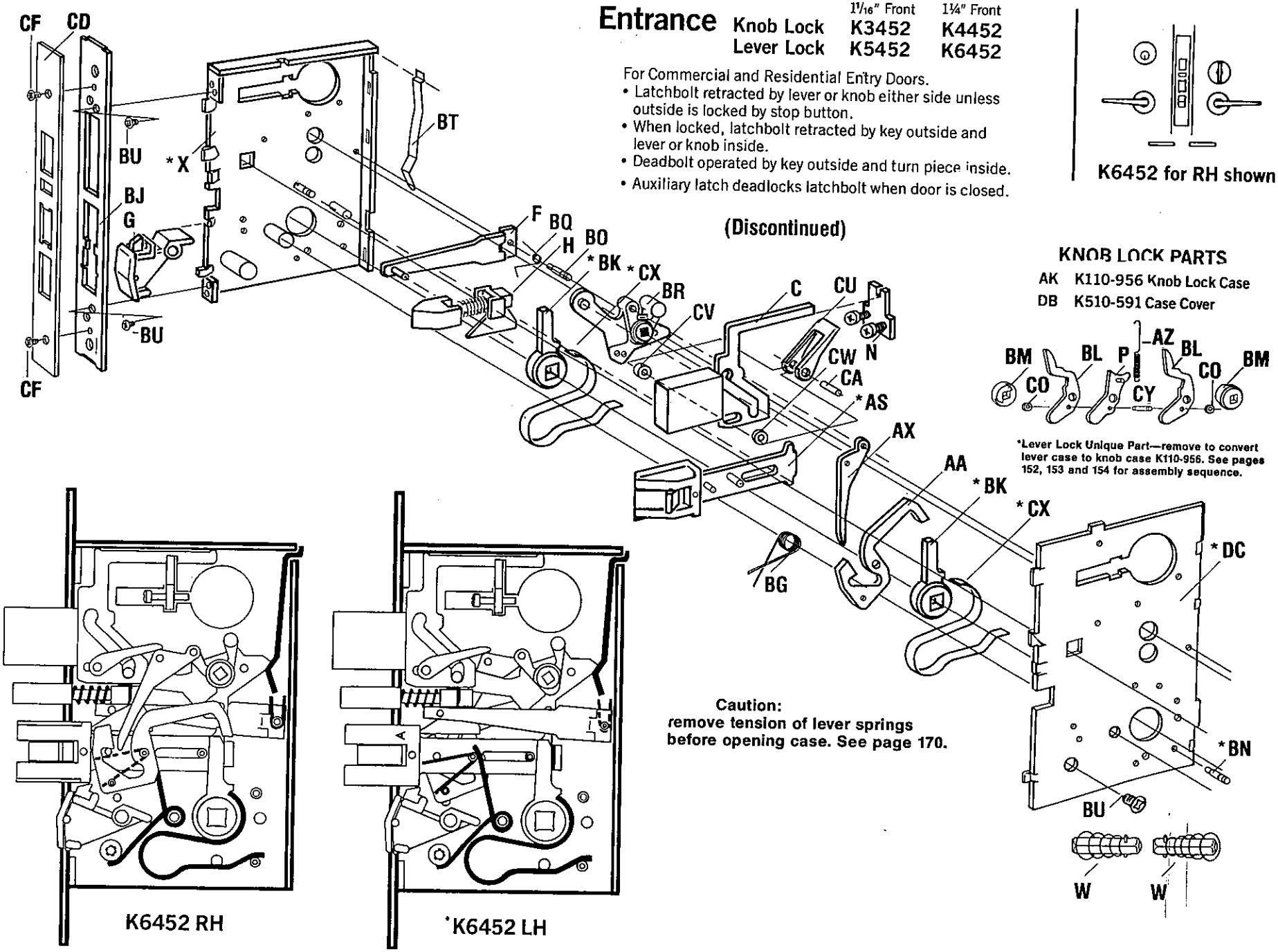
	1 1/16" Front	1 1/4" Front
Knob Lock	K3452	K4452
Lever Lock	K5452	K6452

For Commercial and Residential Entry Doors.

- Latchbolt retracted by lever or knob either side unless outside is locked by stop button.
- When locked, latchbolt retracted by key outside and lever or knob inside.
- Deadbolt operated by key outside and turn piece inside.
- Auxiliary latch deadlocks latchbolt when door is closed.

(Discontinued)

K6452 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

Caution:
remove tension of lever springs before opening case. See page 170.

K6452 RH

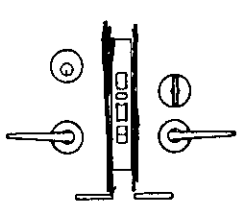
*K6452 LH

Entrance

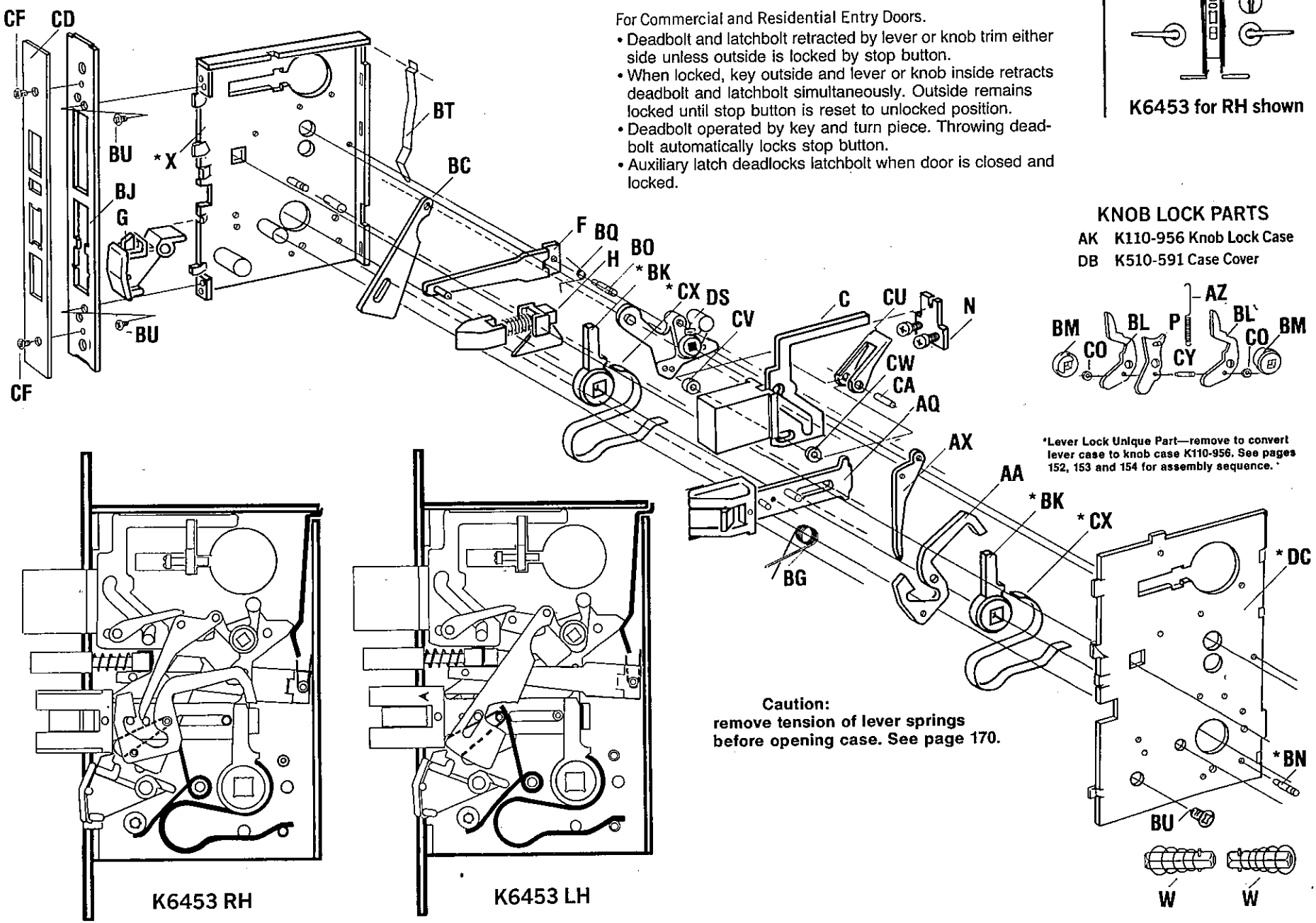
	1 1/16" Front	1 1/4" Front
Knob Lock	K3453	K4453
Lever Lock	K5453	K6453

For Commercial and Residential Entry Doors.

- Deadbolt and latchbolt retracted by lever or knob trim either side unless outside is locked by stop button.
- When locked, key outside and lever or knob inside retracts deadbolt and latchbolt simultaneously. Outside remains locked until stop button is reset to unlocked position.
- Deadbolt operated by key and turn piece. Throwing deadbolt automatically locks stop button.
- Auxiliary latch deadlocks latchbolt when door is closed and locked.



K6453 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

K6453 RH

K6453 LH

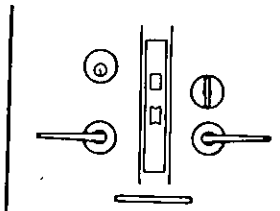
Caution:
remove tension of lever springs before opening case. See page 170.

Dormitory

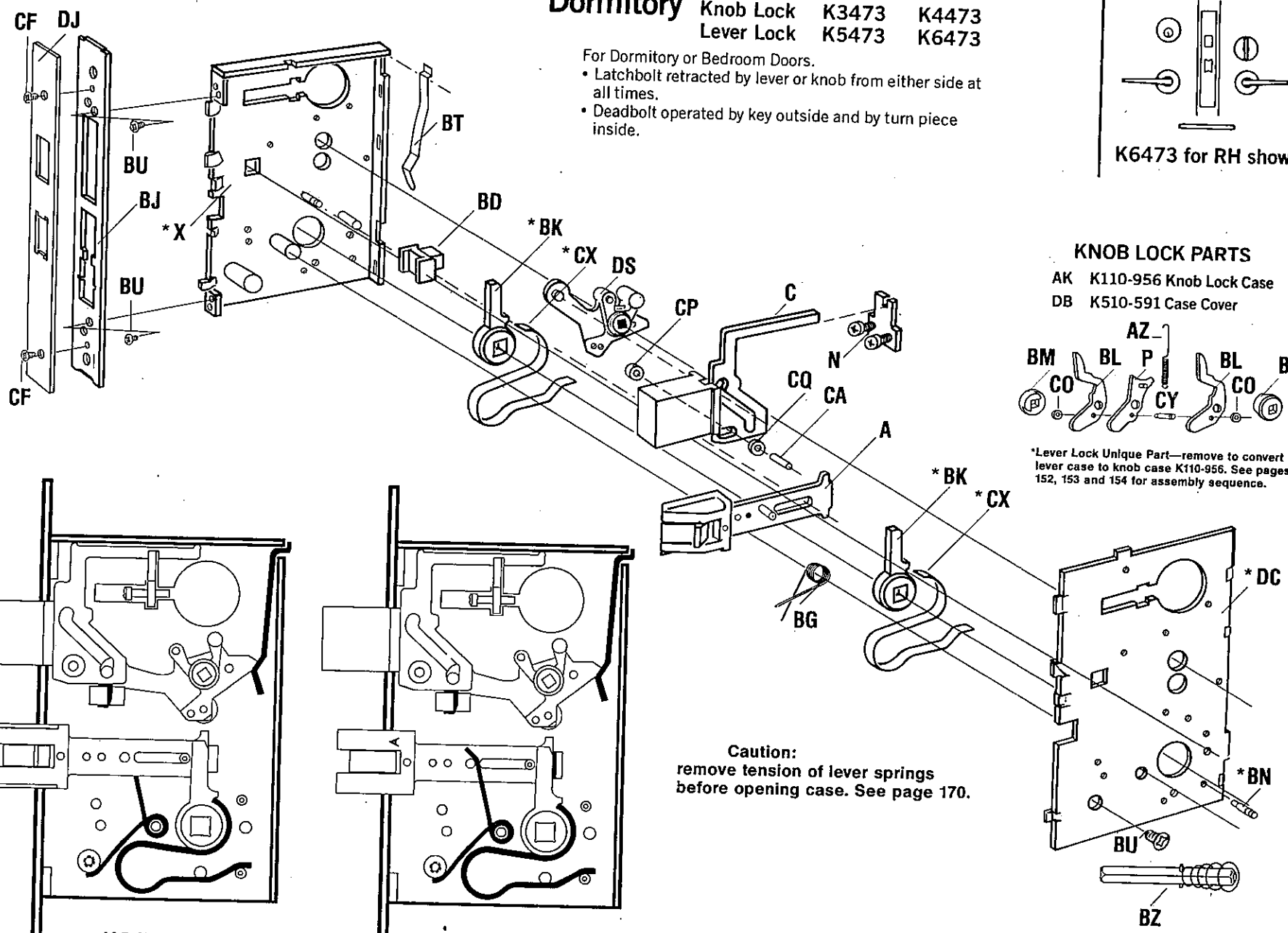
	1⅞" Front	1¼" Front
Knob Lock	K3473	K4473
Lever Lock	K5473	K6473

For Dormitory or Bedroom Doors.

- Latchbolt retracted by lever or knob from either side at all times.
- Deadbolt operated by key outside and by turn piece inside.



K6473 for RH shown

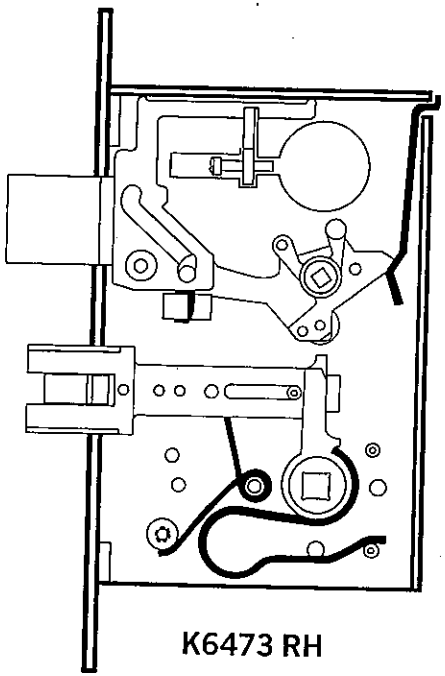


KNOB LOCK PARTS

AK K110-956 Knob Lock Case

DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6473 RH

K6473 LH

Caution:
remove tension of lever springs before opening case. See page 170.

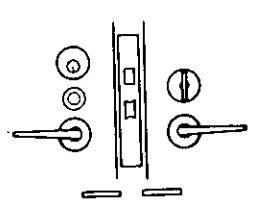
Hotel

	1 1/16" Front	1 1/4" Front
Knob Lock	K3484	K4484
Lever Lock	K5484	K6484

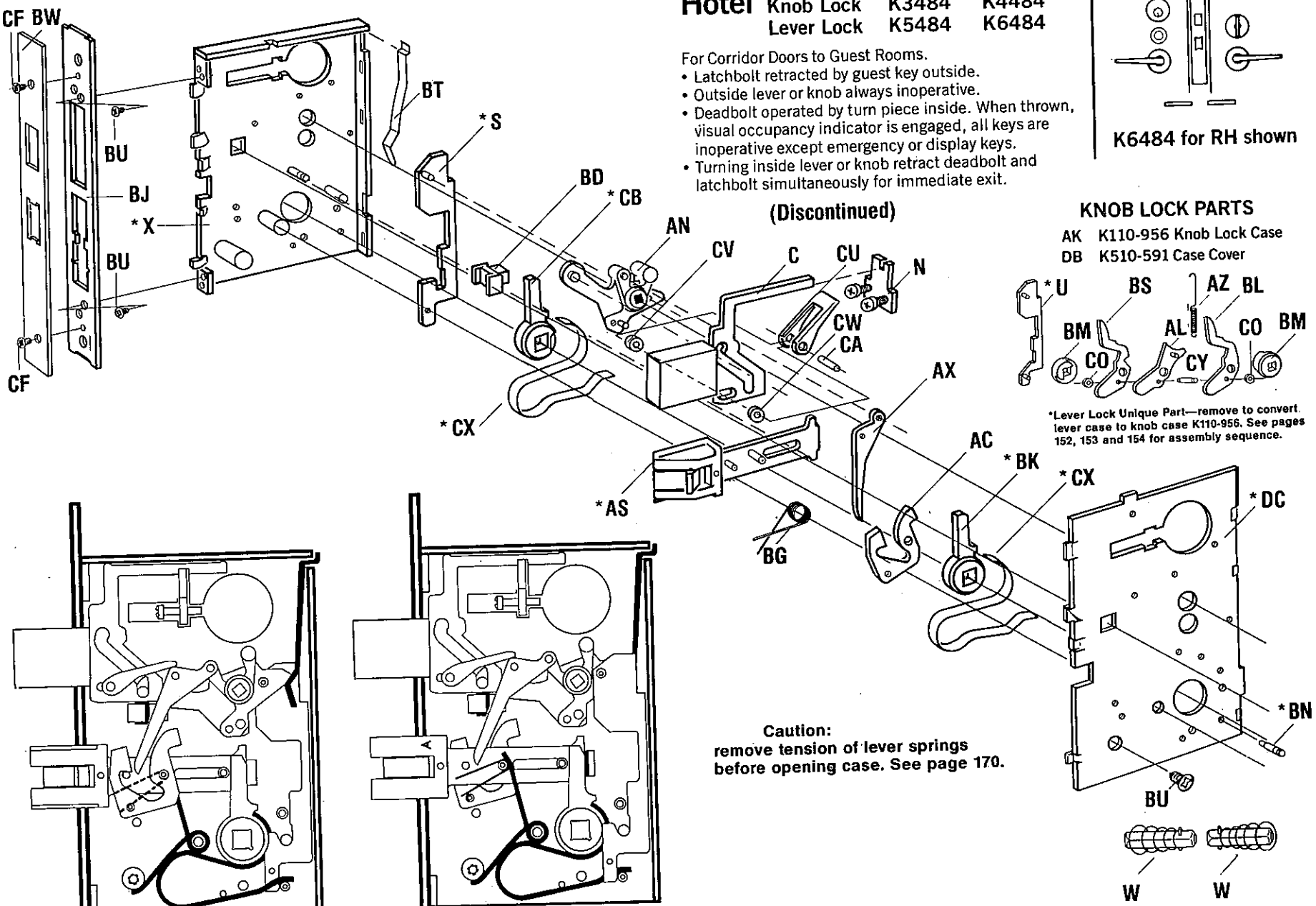
For Corridor Doors to Guest Rooms.

- Latchbolt retracted by guest key outside.
- Outside lever or knob always inoperative.
- Deadbolt operated by turn piece inside. When thrown, visual occupancy indicator is engaged, all keys are inoperative except emergency or display keys.
- Turning inside lever or knob retract deadbolt and latchbolt simultaneously for immediate exit.

(Discontinued)



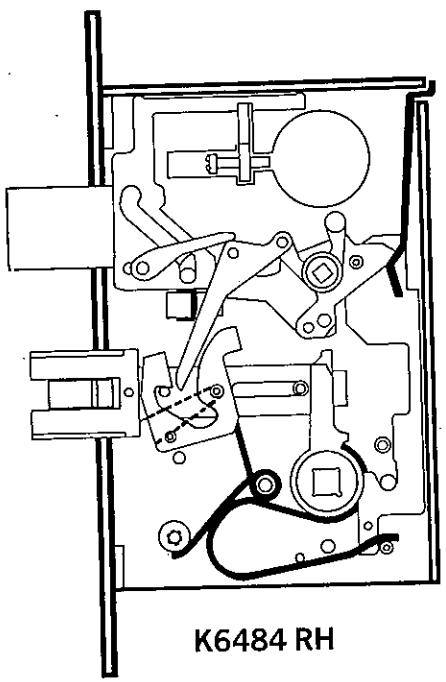
K6484 for RH shown



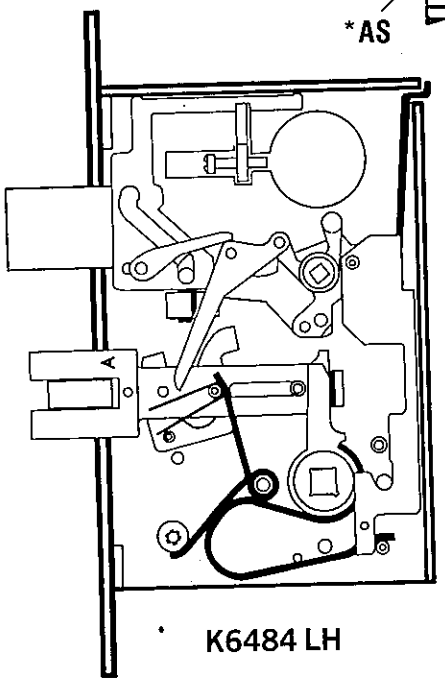
KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6484 RH



K6484 LH

Caution:
remove tension of lever springs before opening case. See page 170.

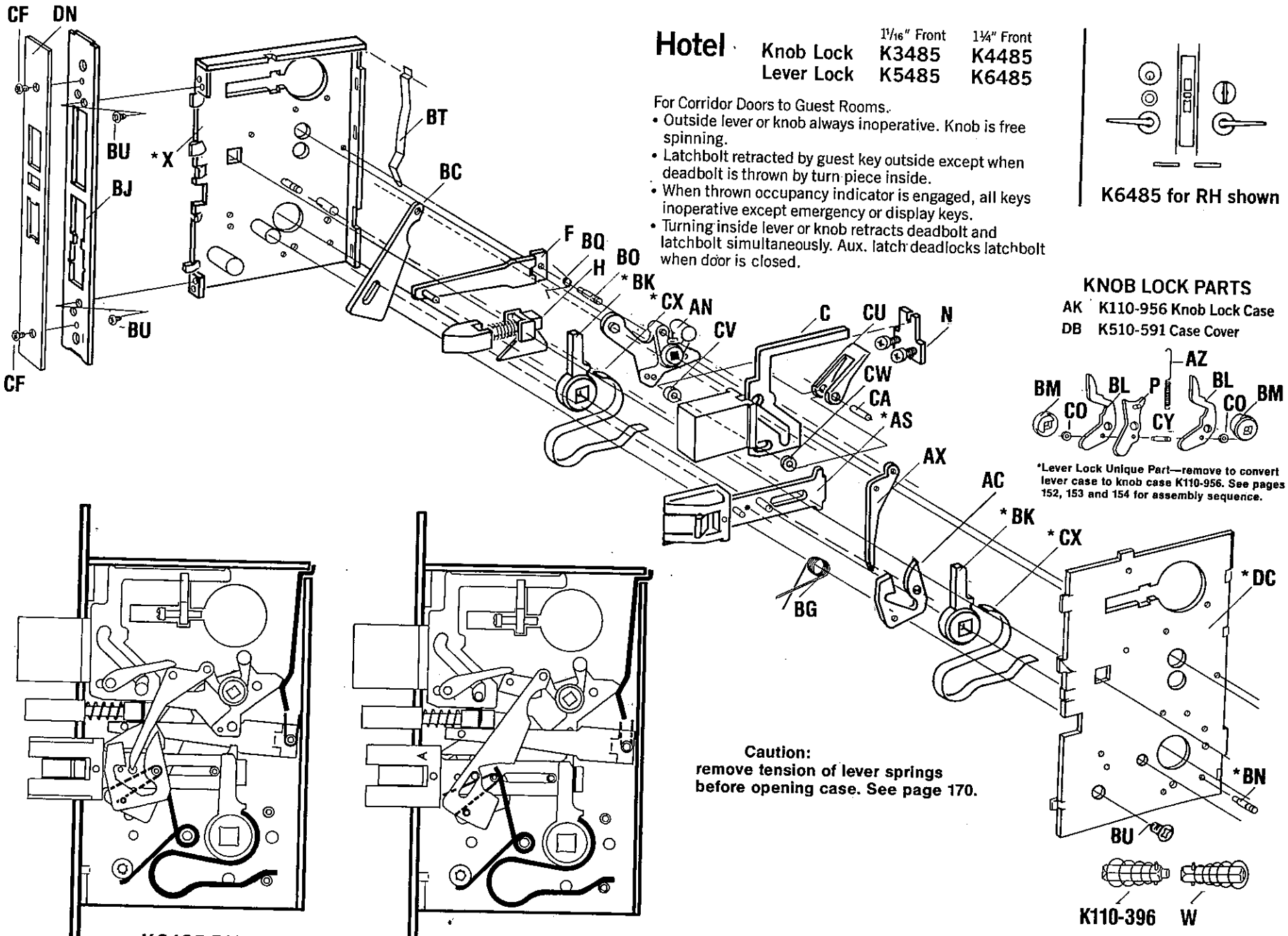
Hotel

	1 1/16" Front	1 1/4" Front
Knob Lock	K3485	K4485
Lever Lock	K5485	K6485

For Corridor Doors to Guest Rooms.

- Outside lever or knob always inoperative. Knob is free spinning.
- Latchbolt retracted by guest key outside except when deadbolt is thrown by turn piece inside.
- When thrown occupancy indicator is engaged, all keys inoperative except emergency or display keys.
- Turning inside lever or knob retracts deadbolt and latchbolt simultaneously. Aux. latch deadlocks latchbolt when door is closed.

K6485 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

K6485 RH

K6485 LH

Caution:
remove tension of lever springs before opening case. See page 170.

K110-396 W

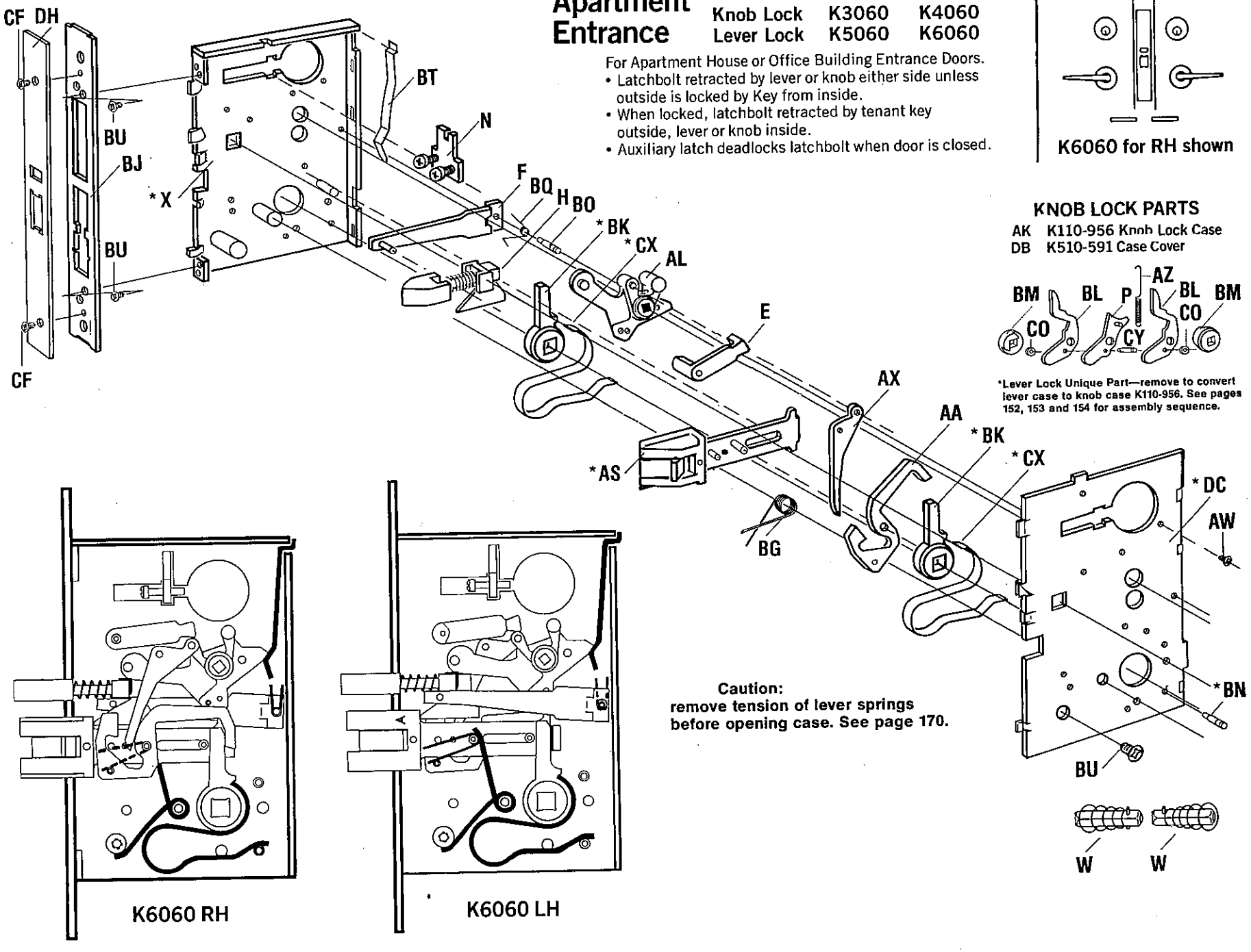
Apartment Entrance

	1 1/16" Front	1 1/4" Front
Knob Lock	K3060	K4060
Lever Lock	K5060	K6060

For Apartment House or Office Building Entrance Doors.

- Latchbolt retracted by lever or knob either side unless outside is locked by Key from inside.
- When locked, latchbolt retracted by tenant key outside, lever or knob inside.
- Auxiliary latch deadlocks latchbolt when door is closed.

K6060 for RH shown



KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.

Caution:
remove tension of lever springs before opening case. See page 170.

K6060 RH

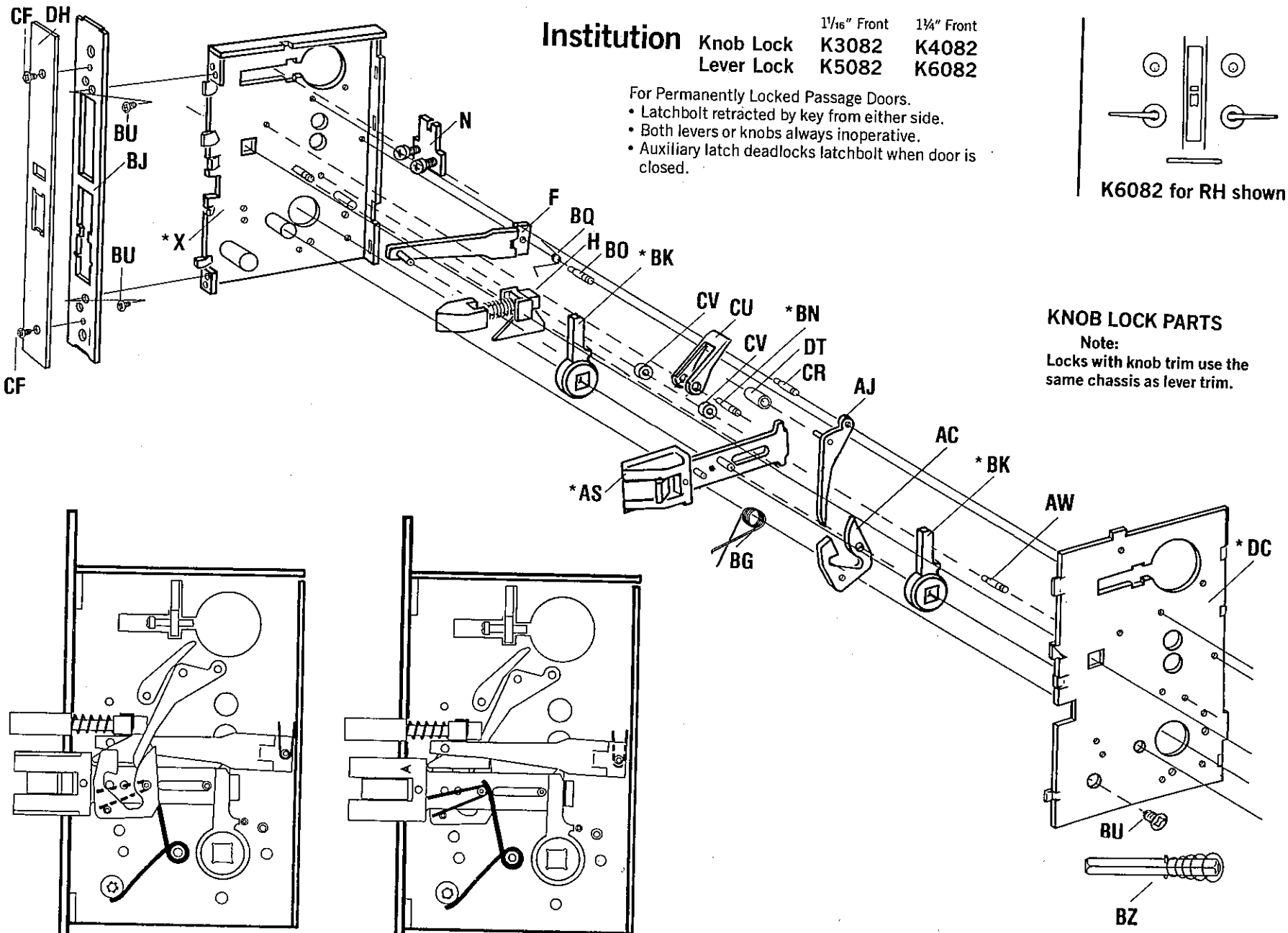
K6060 LH

Institution

	1 1/16" Front	1 1/4" Front
Knob Lock	K3082	K4082
Lever Lock	K5082	K6082

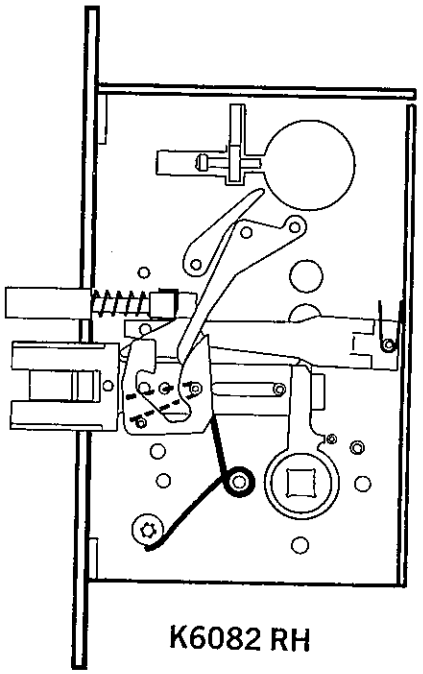
For Permanently Locked Passage Doors.
- Latchbolt retracted by key from either side.
- Both levers or knobs always inoperative.
- Auxiliary latch deadlocks latchbolt when door is closed.

K6082 for RH shown

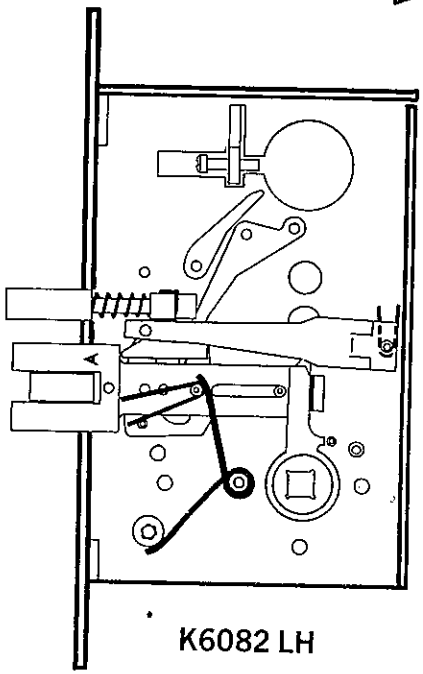


KNOB LOCK PARTS

Note:
Locks with knob trim use the same chassis as lever trim.



K6082 RH



K6082 LH

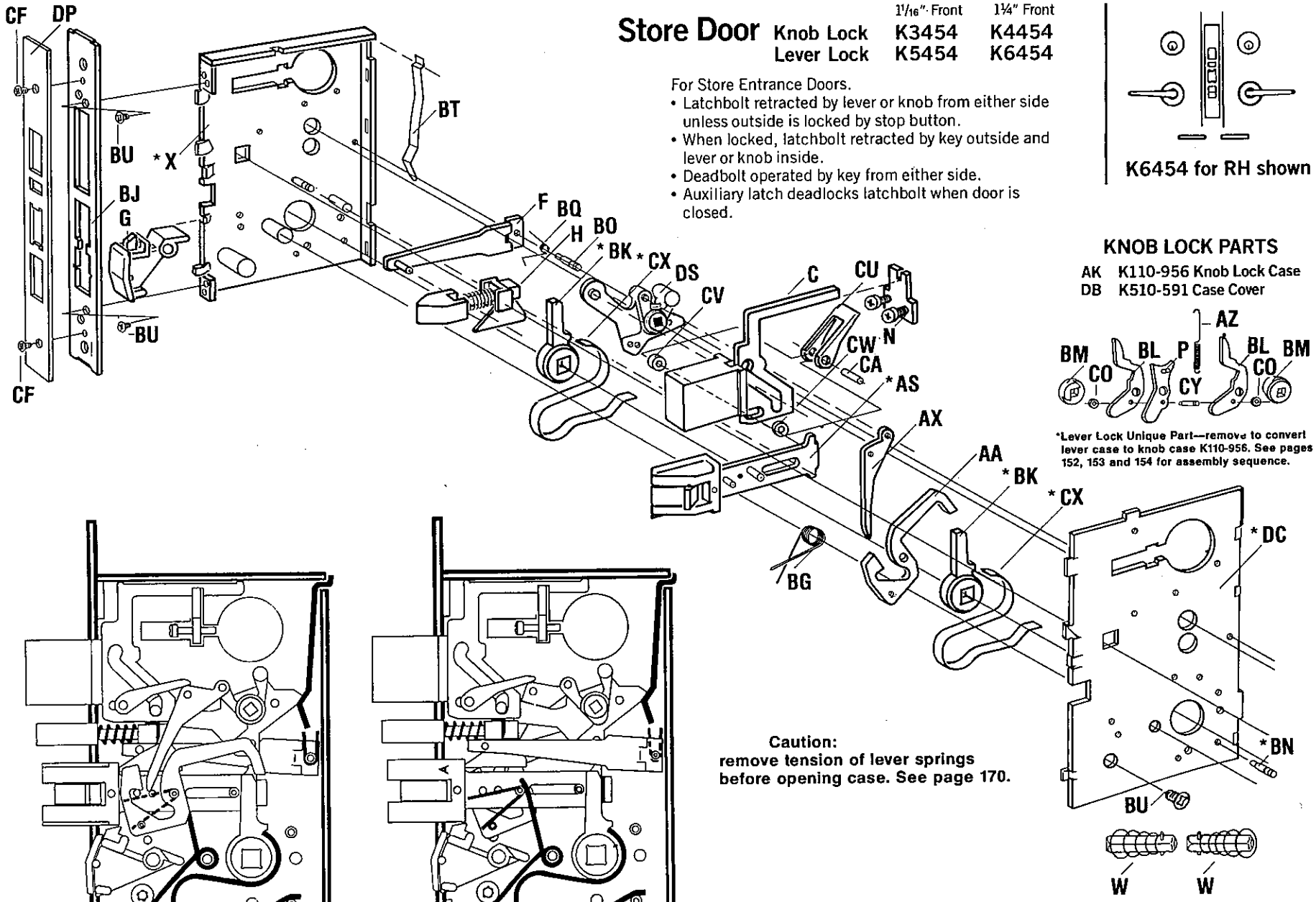
Store Door

	1 1/16" Front	1¼" Front
Knob Lock	K3454	K4454
Lever Lock	K5454	K6454

For Store Entrance Doors.

- Latchbolt retracted by lever or knob from either side unless outside is locked by stop button.
- When locked, latchbolt retracted by key outside and lever or knob inside.
- Deadbolt operated by key from either side.
- Auxiliary latch deadlocks latchbolt when door is closed.

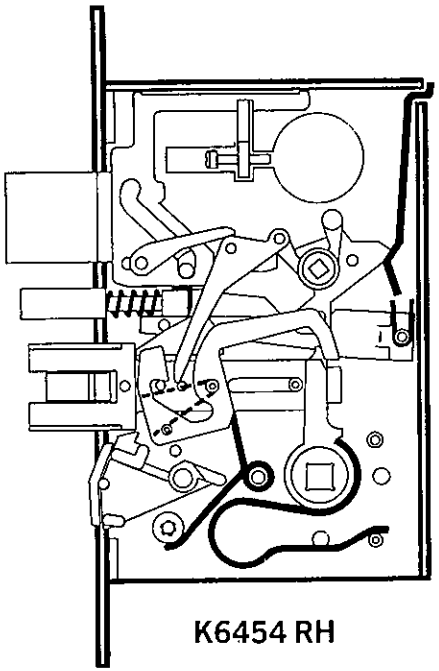
K6454 for RH shown



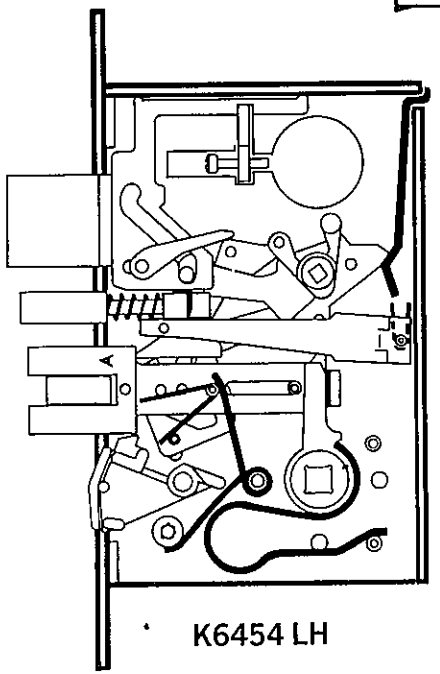
KNOB LOCK PARTS

AK K110-956 Knob Lock Case
DB K510-591 Case Cover

*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6454 RH



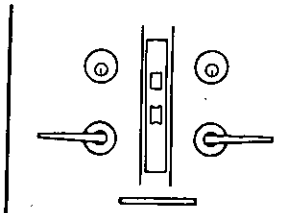
K6454 LH

Caution:
remove tension of lever springs before opening case. See page 170.

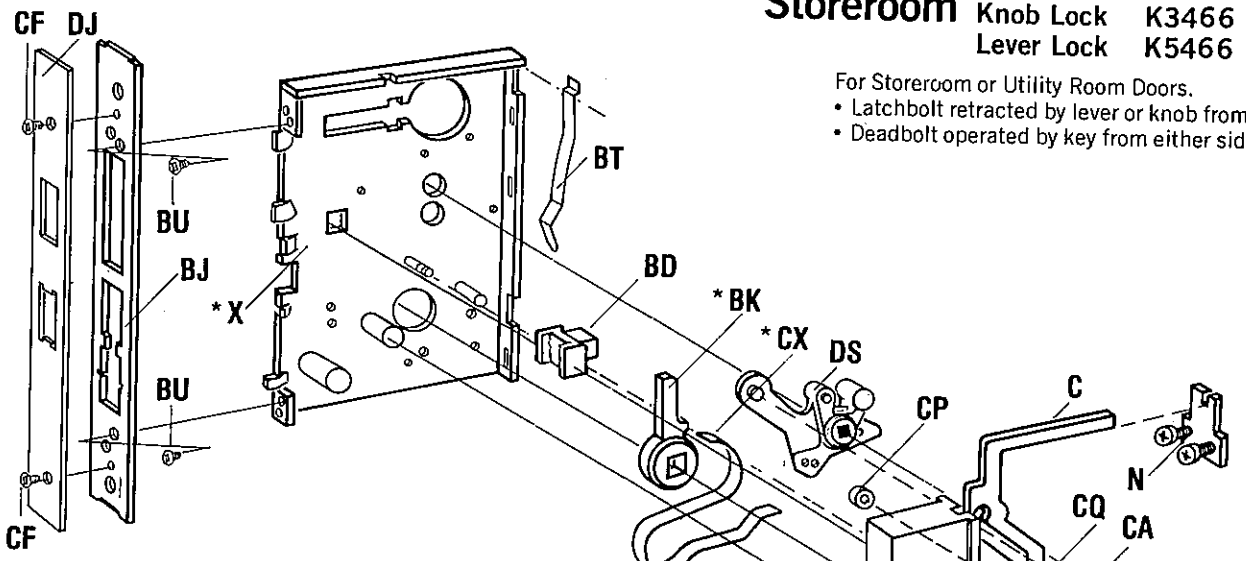
Storeroom

	1 11/16" Front	1 1/4" Front
Knob Lock	K3466	K4466
Lever Lock	K5466	K6466

For Storeroom or Utility Room Doors.
- Latchbolt retracted by lever or knob from either side.
- Deadbolt operated by key from either side.

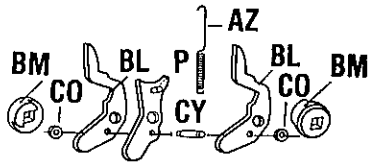


K6466 for RH shown

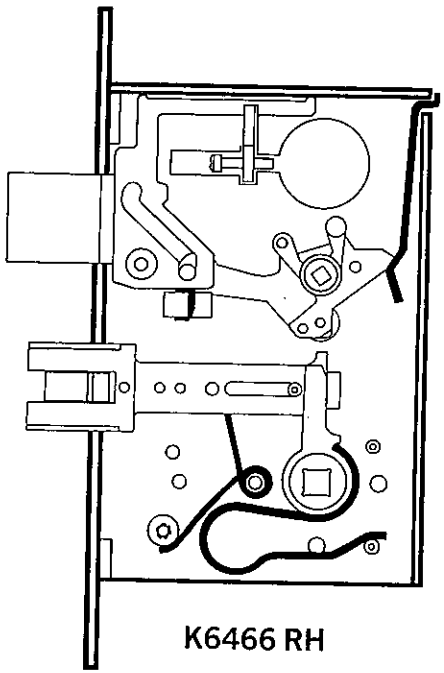


KNOB LOCK PARTS

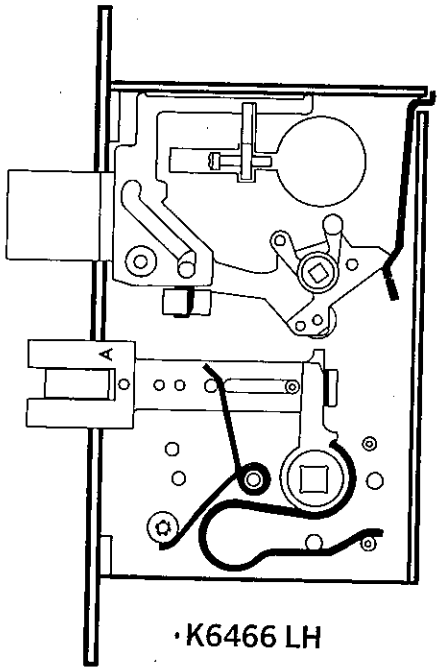
AK K110-956 Knob Lock Case
DB K510-591 Case Cover



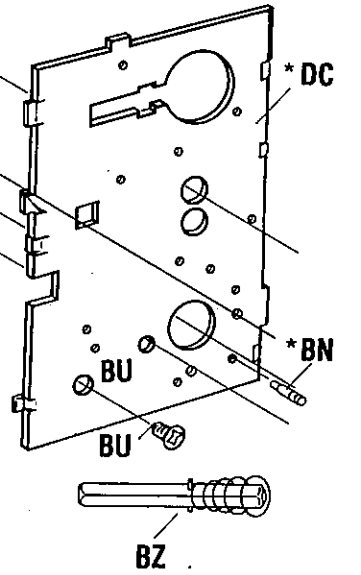
*Lever Lock Unique Part—remove to convert lever case to knob case K110-956. See pages 152, 153 and 154 for assembly sequence.



K6466 RH



K6466 LH



Caution:
remove tension of lever springs before opening case. See page 170.

Cylinder x Turn Piece

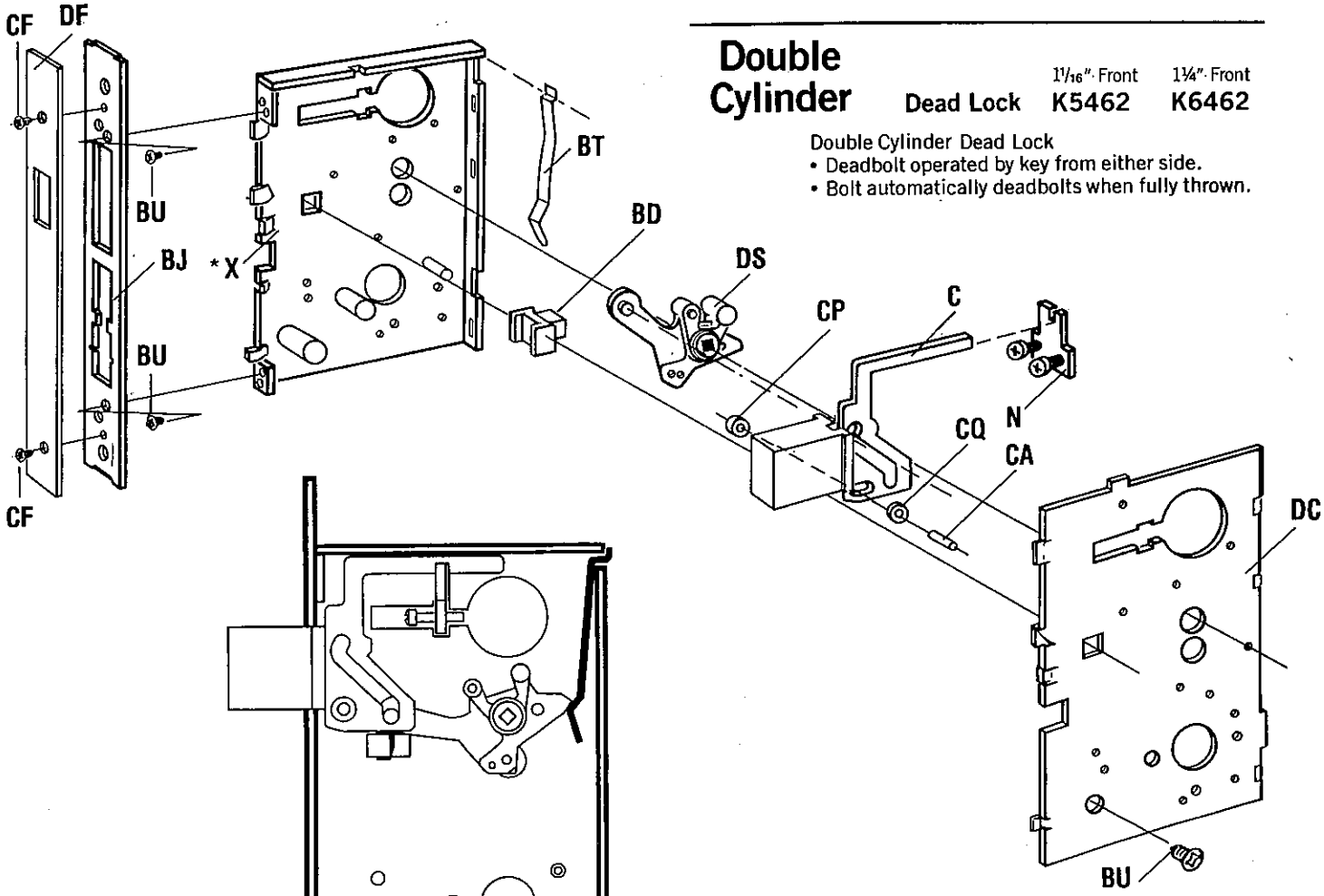
	1 1/16" Front	1¼" Front
Dead Lock	K5460	K6460

Dead Lock
- Deadbolt operated by key outside.
- Deadbolt operated by key outside and turn inside.

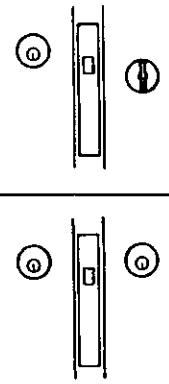
Double Cylinder

	1 1/16" Front	1¼" Front
Dead Lock	K5462	K6462

Double Cylinder Dead Lock
- Deadbolt operated by key from either side.
- Bolt automatically deadbolts when fully thrown.



K6460 RH, LH
K6462 RH, LH



K6460, K6462
for RH shown

Classroom Dead Lock

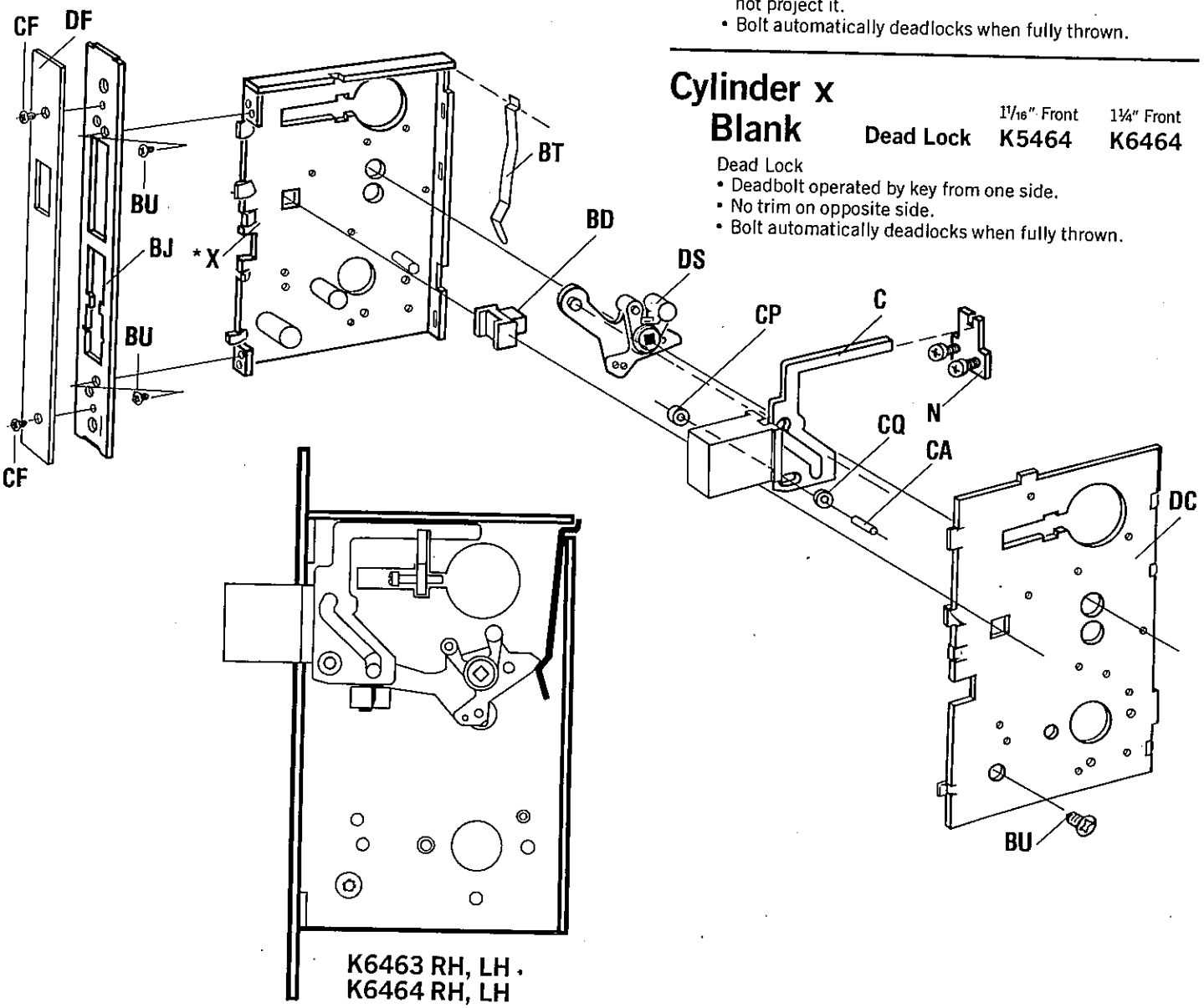
1 1/16" Front	1 1/4" Front
K5463	K6463

Classroom Dead Lock
- Deadbolt operated by key outside.
- Cylinder turn piece inside will retract deadbolt but will not project it.
- Bolt automatically deadlocks when fully thrown.

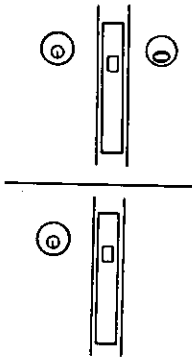
Cylinder x Blank Dead Lock

1 1/16" Front	1 1/4" Front
K5464	K6464

Dead Lock
- Deadbolt operated by key from one side.
- No trim on opposite side.
- Bolt automatically deadlocks when fully thrown.



K6463 RH, LH .
K6464 RH, LH



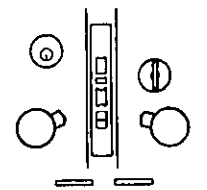
K6463, K6464
for RH shown

Entrance Knob Lock

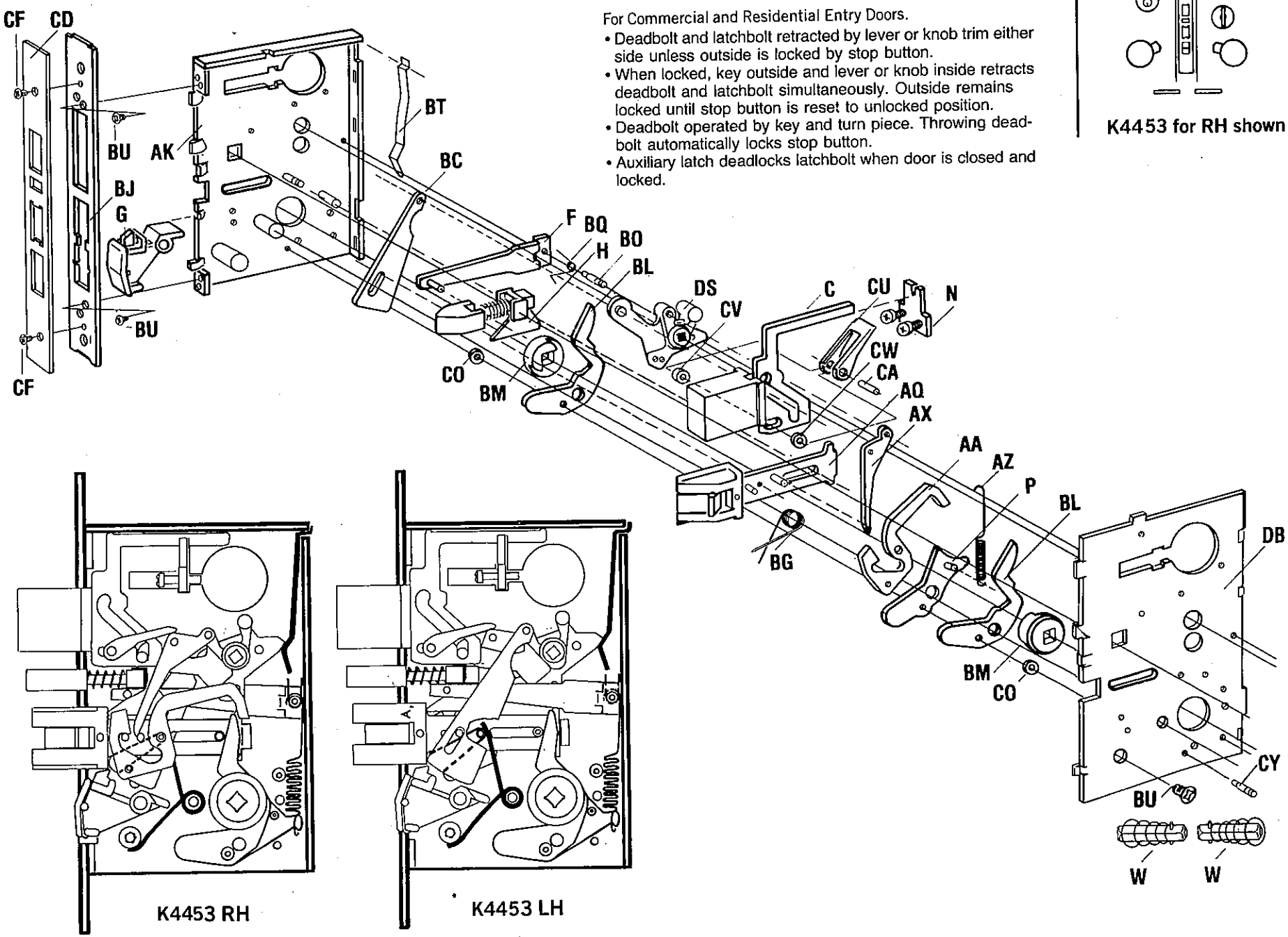
	1 1/16" Front	1 1/4" Front
	K3453	K4453

For Commercial and Residential Entry Doors.

- Deadbolt and latchbolt retracted by lever or knob trim either side unless outside is locked by stop button.
- When locked, key outside and lever or knob inside retracts deadbolt and latchbolt simultaneously. Outside remains locked until stop button is reset to unlocked position.
- Deadbolt operated by key and turn piece. Throwing deadbolt automatically locks stop button.
- Auxiliary latch deadlocks latchbolt when door is closed and locked.



K4453 for RH shown



K4453 RH

K4453 LH

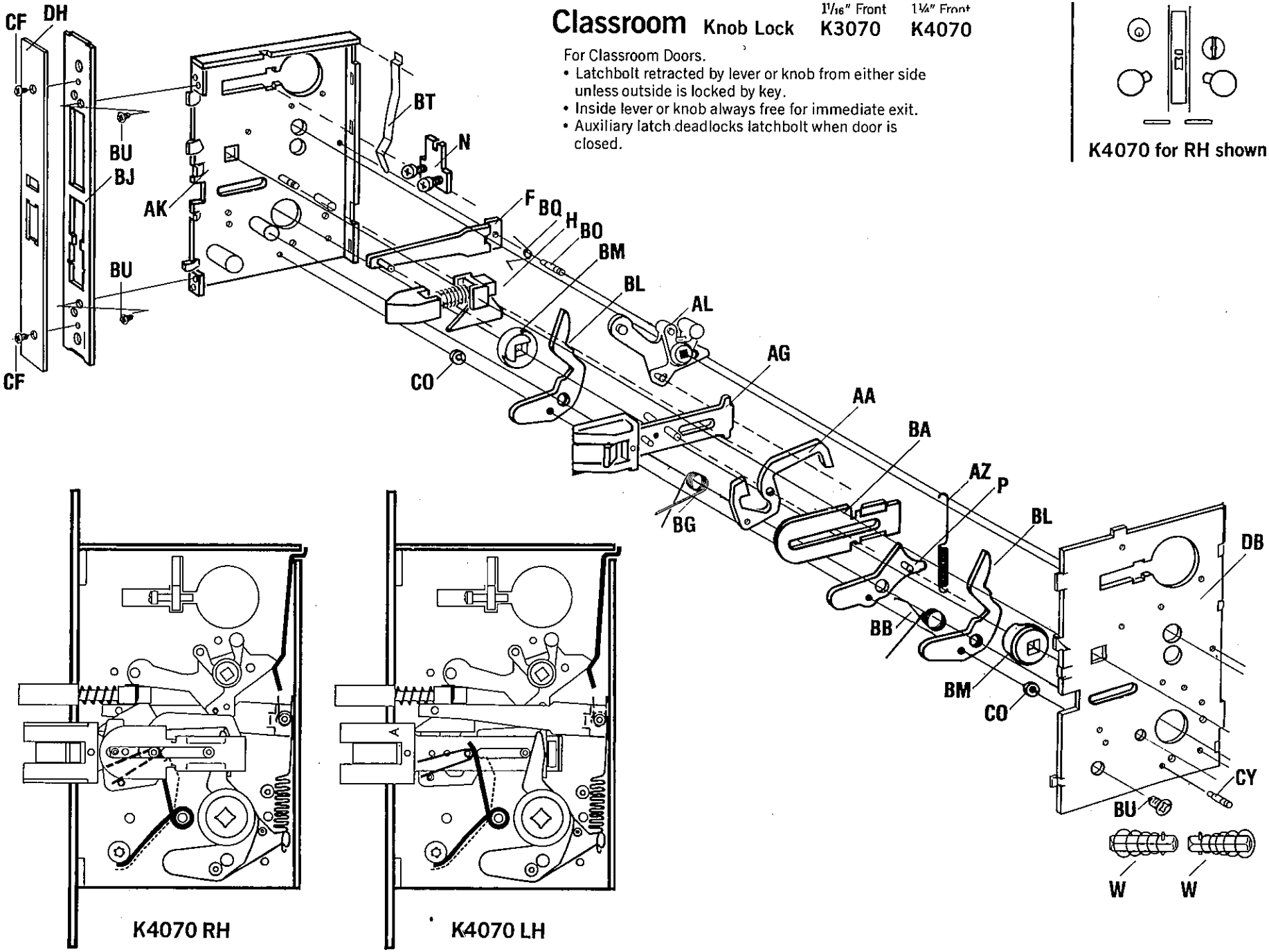
Classroom Knob Lock

	1 1/16" Front	1 1/4" Front
	K3070	K4070

For Classroom Doors.

- Latchbolt retracted by lever or knob from either side unless outside is locked by key.
- Inside lever or knob always free for immediate exit.
- Auxiliary latch deadlocks latchbolt when door is closed.

K4070 for RH shown



K4070 RH

K4070 LH

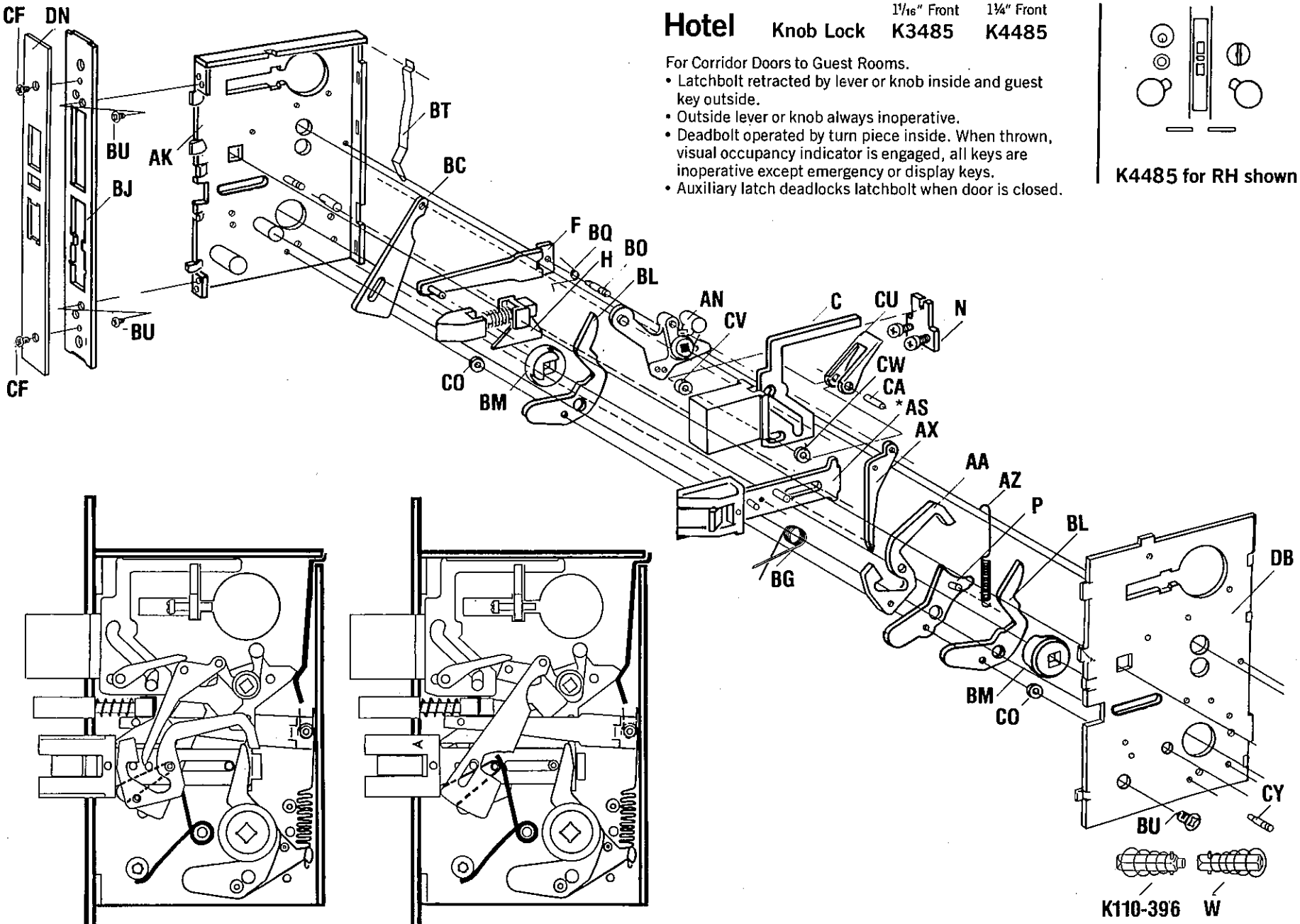
Hotel

Knob Lock | 1 1/16" Front **K3485** | 1 1/4" Front **K4485**

For Corridor Doors to Guest Rooms.

- Latchbolt retracted by lever or knob inside and guest key outside.
- Outside lever or knob always inoperative.
- Deadbolt operated by turn piece inside. When thrown, visual occupancy indicator is engaged, all keys are inoperative except emergency or display keys.
- Auxiliary latch deadlocks latchbolt when door is closed.

K4485 for RH shown



K4485 RH

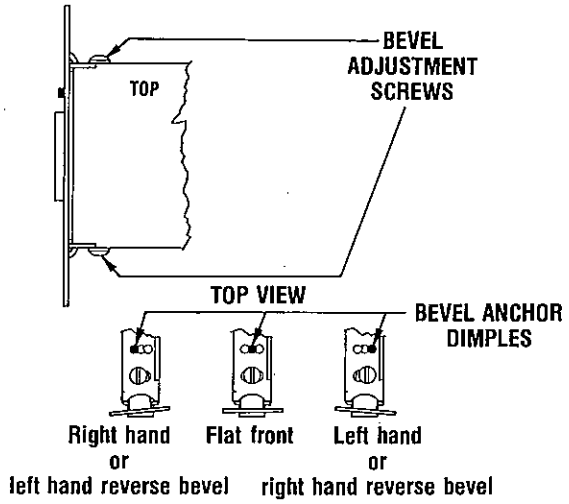
K6485 LH

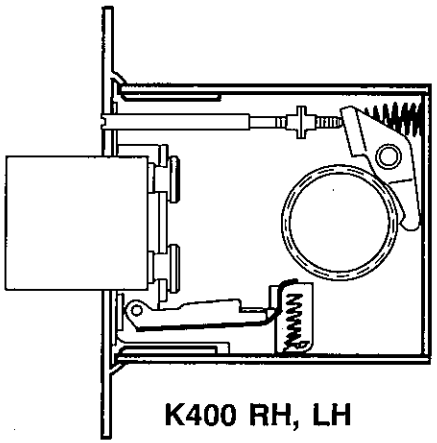
Auxiliary Mortise Deadbolts K400 Series

K460 DEADLOCK Key Outside—Cylinder Turn Inside. Key and turn throw and retract bolt		**K464** ONE WAY DEADLOCK Key One Side—No Trim One Side. Key throws and retracts bolt.	
K462 DOUBLE CYLINDER DEADLOCK Key Both Sides. Key on either side throws and retracts bolt.		**K480** DOOR BOLT Deadbolt thrown or retracted by cylinder turn from inside only. No outside trim.	
K463 CLASSROOM DEADLOCK Key Outside—Cylinder Turn Inside. Key throws and retracts bolt. Turn retracts but does not throw bolt.			

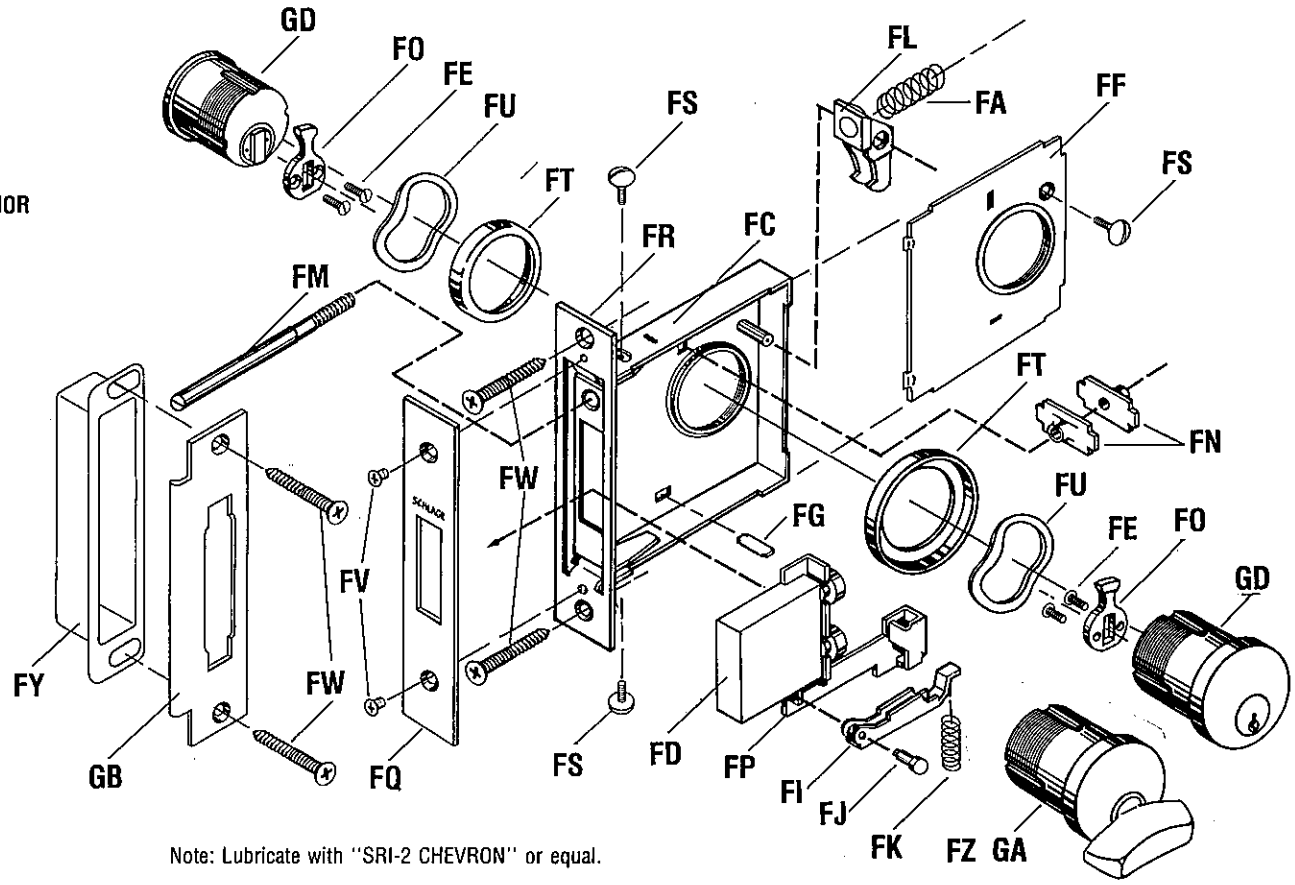
ADJUST BACKPLATE BEVEL

Loosen two bevel adjustment screws on top and bottom of lock housing. Depress adjustment screws to unseat bevel anchor dimples. Hold lock with "TOP" upright and adjust backplate to desired position. Be sure bevel anchor dimples are seated in proper hole. Tighten bevel adjustment screws.





K400 RH, LH



Note: Lubricate with "SRI-2 CHEVRON" or equal.

SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	FUNCTION																				
			K4010	K6010	K4025 *	K6025 *	K4040	K6040	K4050	K6050	K4060	K6060	K4070	K6070	K4080	K6080	K4082	K6082	K6175	K6176	K4430 *	K6430 *	K4440 *	K6440 *
A	K110-022	Latchbolt RH-LH	●	●																	●	●		
B	K110-023	Latchbolt RHR-LHR	●	●																	●	●		
C	K110-025	Bolt & Bar 1" Throw																			●	●		
D	K110-026	Lock Case, Knob											●											
E	K110-067	Lever & Pin									●	●												
F	K110-068	Latch Stop			●	●			●	●	●	●	●	●	●	●	●	●						
G	K110-392	Stop Button							●	●														
H	K110-398	Aux. Latchbolt			●	●			●	●	●	●	●	●	●	●	●	●						
J	K110-500	Latchbolt RH-LH			X	X																	X	X
J	K110-501	Latchbolt RHR-LHR			X	X																	X	X
K	K110-502	Latchbolt w/spring RH-LH																						
L	K110-503	Latchbolt w/spring RHR-LHR																						
M	K110-506	Stop Button & Cap																						
N	K110-507	Guide & Cyl. Screws					●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●
*O	K110-508	Lock Case, Lever			X	X																		X
P	K110-511	Spring Lever & Pin	●		●		●		●		●		●		●						●			
Q	K110-512	Bolt & Bar 1" Throw																					X	X
R	K110-516	Lock Case, Knob																					X	
*S	K110-521	Lever Retractor RH-LHR																						X
*T	K110-522	Lever Retractor LH-RHR																						X
*U	K110-523	Retractor RH-LHR																					X	
*V	K110-524	Retractor LH-RHR																					X	
W	K110-534	Spindle			●	●	●	●	●	●	●	●	●	●	●	●			●				●	●
*X	K110-556	Lock Case, Lever		●				●		●				●		●	●	●	●	●		●		
Y	K110-557	Turn Hub w/Hotel Pin																						
Z	K110-558	Turn Hub w/Hotel Pin																						
AA	K110-592	Main Lever RH-RHR					●	●	●	●	●	●	●	●										
AB	K110-593	Main Lever LH-LHR					●	●	●	●	●	●	●	●										
AC	K110-594	Latch Eng. Lever RH-RHR													●	●	●	●						
AD	K110-595	Latch Eng. Lever LH-LHR													●	●	●	●						
AE	K110-600	Spindle																						
AF	K110-616	Latchbolt RHR-LHR											●											
AG	K110-617	Latchbolt RH-LH											●											
AH	K110-621	Lower Trans. Bar & Pin LH-LHR													●	●	●	●						
AI	K110-624	Retractor Lever & Pin																					X	
AJ	K110-625	Lower Trans. Bar & Pin RH-RHR													●	●	●	●						
AK	K110-956	Lock Case, Knob	●				●		●												●			
AL	K110-957	Pivot & Turn Hub RH-RHR					●	●			●	●	●	●										
AM	K110-958	Pivot & Turn Hub LH-LHR					●	●			●	●	●	●										
AN	K110-959	Turn Hub Hotel Pin RH-RHR																						
AO	K110-960	Turn Hub, Hotel Pin LH-LHR																						
AP	K110-963	Latchbolt RHR-LHR																						
AQ	K110-964	Latchbolt RH-LH																						
*AR	K110-965	Latchbolt w/spring RHR-LHR					●	●	●	●	●	●		●	●	●	●	●						
*AS	K110-966	Latchbolt w/spring RH-LH					●	●	●	●	●	●		●	●	●	●	●						
*AT	K110-967	Lock Case, Lever										●												
AU	K110-968	Lock Case, Knob									●													

*These functions are now obsolete and no longer in manufacture.

SYM.	NO.	DESCRIPTION	FUNCTION																							
			K4451 *	K6451 *	K4452 *	K6452 *	K4453	K6453	K4454	K6454	K4456	K6456	K6460	K6462	K6463	K6464	K4465	K6465	K4466	K6466	K4473	K6473	K4484 *	K6484 *	K4485	K6485
A	K110-022	Latchbolt RH-LH															●	●	●	●	●	●				
B	K110-023	Latchbolt RHR-LHR															●	●	●	●	●	●				
C	K110-025	Bolt & Bar 1" Throw					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●
D	K110-026	Lock Case, Knob																								
E	K110-067	Lever & Pin																								
F	K110-068	Latch Stop			●	●	●	●	●	●	●	●													●	●
G	K110-392	Stop Button					●	●	●	●																
H	K110-398	Aux. Latchbolt			●	●	●	●	●	●	●	●													●	●
I	K110-500	Latchbolt RH-LH																								
J	K110-501	Latchbolt RHR-LHR																								
K	K110-502	Latchbolt w/spring RH-LH	X	X																			X	X		
L	K110-503	Latchbolt w/spring RHR-LHR	X	X																			X	X		
M	K110-506	Stop Button Cap	X	X	X	X																				
N	K110-507	Guide & Cyl. Screws	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
*O	K110-508	Lock Case, Lever		X																				X		
P	K110-511	Spring Lever & Pin			●				●		●						●		●		●				●	
Q	K110-512	Bolt & Bar 1" Throw	X	X	X	X																	X	X		
*R	K110-516	Lock Case, Knob	X																				X			
*S	K110-521	Lever Retractor RH-LHR		X																				X		
*T	K110-522	Lever Retractor LH-RHR		X																				X		
*U	K110-523	Retractor RH-LHR	X																				X			
*V	K110-524	Retractor LH-RHR	X																				X			
W	K110-534	Spindle			●	●			●	●	●	●													●	●
*X	K110-556	Lock Case Lever			●	●		●		●		●	●	●	●	●		●		●		●			●	●
Y	K110-557	Turn Hub w/Hotel Pin																					X	X		
Z	K110-558	Turn Hub w/Hotel Pin																					X	X		
AA	K110-592	Main Lever RH-RHR			●	●	●	●	●	●	●	●														
AB	K110-593	Main Lever LH-LHR					●	●	●	●	●	●														
AC	K110-594	Latch Eng. Lever RH-RHR			●	●																			●	●
AD	K110-595	Latch Eng. Lever LH-LHR																								
AE	K110-600	Spindle	X	X																						
AF	K110-616	Latchbolt RHR-LHR																								
AG	K110-617	Latchbolt RH-LH																								
AH	K110-621	Lower Trans. Bar & Pin LH-LHR																								
AI	K110-624	Retractor Lever & Pin	X																				X			
AJ	K110-625	Lower Trans. Bar & Pin RH-RHR																								
AK	K110-956	Lock Case, Knob			●		●		●	●							●			●					●	
AL	K110-957	Pivot & Turn Hub RH-RHR																								
AM	K110-958	Pivot & Turn Hub LH-LHR																								
AN	K110-959	Turn Hub Hotel Pin RH-RHR																							●	●
AO	K110-960	Turn Hub, Hotel Pin LH-LHR																							●	●
AP	K110-963	Latchbolt RHR-LHR					●	●			●	●													●	●
AQ	K110-964	Latchbolt RH-LH					●	●			●	●													●	●
*AR	K110-965	Latchbolt w/spring RHR-LHR			●	●			●	●																
*AS	K110-966	Latchbolt w/spring RH-LH			●	●			●	●																
*AT	K110-967	Lock Case, Lever																								
AU	K110-968	Lock Case, Knob																								

*These functions are now obsolete and no longer in manufacture.

SCHLAGE Parts Index

SYM.	NO.	DESCRIPTION	FUNCTION																					
			K4010	K6010	K4025 *	K6025 *	K4040	K6040	K4050	K6050	K4060	K6060	K4070	K6070	K4080	K6080	K4082	K6082	K6175	K6176	K4430 *	K6430 *	K4440*	K6440*
	AW	K510-012 Retractor Stop Pin									●	●					●	●						
	AX	K510-048 Lower Transfer Bar																						
*	AY	K510-067 Lever Spring 2 ea.				X																		X
	AZ	K510-068 Retractor Spring	●		●		●						●		●						●	●	●	
	BA	K510-070 Lever Stop											●											
	BB	K510-071 Lever Stop Spring RH-RHR											●											
	BC	K510-097 Retraction Link Bar																						
	BD	K510-105 Aux. Latch Guide	●	●																	●	●		
	BE	K510-108 Lock Case Cover			X	X																	X	X
*	BF	K510-109 Main Lever			X	X																	X	X
	BG	K510-111 Latchbolt Spring	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●
	BH	K510-112 Main Lever Spring											●											
	BI	K510-114 Faceplate 1"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	BJ	K510-115 Faceplate 1¼"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
*	BK	K510-116 Lever Hub 2 ea		●		●		●		●		●		●		●	●	●	●	●		●		●
	BL	K510-117 Retractor 2 ea	●		●		●		●						●						●		●	
	BM	K510-118 Knob Hub 2 ea	●		●		●		●				●		●						●		●	
*	BN	K510-120 Locating Pin	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	BO	K510-121 Latch Stop & Spring Pin			●	●			●	●	●	●	●	●	●	●	●	●						
	BP	K510-123 Upper Trans. Bar																						
	BQ	K510-125 Latch Stop Spring			●	●			●	●	●	●	●	●	●	●	●	●						
	BR	K510-126 Turn Hub																					X	X
	BS	K510-140 Retractor																					X	
	BT	K510-142 Turn Hub Spring					●	●			●	●	●	●							●	●	●	●
	BU	K510-145 Faceplate, Cover Screws 3 ea.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	BV	K510-146 Cam Stop Screw									●	●												
	BW	K510-159 Armor Front 1¼"																					X	X
	BX	K510-161 Armor Front 1¼"			X	X																		
	BY	K510-163 Upper Trans. Bar Spacer																						
	BZ	K510-167 Spindle	●	●																●	●	●		
	CA	K510-185 Deadbolt Bar Pin																			●	●	●	●
*	CB	K510-189 Lever Hub RH-LHR																						X
*	CC	K510-190 Lever Hub LH-RHR																						X
	CD	K510-194 Armor Front 1¼"																						
	CE	K510-199 Upper Trans. Bar Spacer																						
	CF	K510-210 Armor Screws 2 ea.	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	CG	K510-233 Armor Front 1¼"																	●	●				
	CH	K510-244 Latch Engaging Lever																						
	CI	K510-284 Armor Front 1"																					X	X
	CJ	K510-285 Armor Front 1"			X	X																		
	CK	K510-287 Armor Front 1"																						
	CL	K510-313 Lock Case Cover									●	●												
	CM	K510-317 Armor Front 1¼"																						
	CN	K510-318 Armor Front 1"																						
	CO	K510-375 Retractor Spacer 2 ea	●		●		●		●				●		●						●		●	
	CP	K510-391 Bar Spacer .319																			●	●	●	●
	CQ	K510-392 Bar Spacer .178																			●	●	●	●

*These functions are now obsolete and no longer in manufacture.

SYM.	NO.	DESCRIPTION	FUNCTION																							
			K4451 *	K6451 *	K4452 *	K6452 *	K4453	K6453	K4454	K6454	K4456	K6456	K6460	K6462	K6463	K6464	K4465	K6465	K4466	K6466	K4473	K6473	K4484 *	K6484 *	K4485	K6485
AW	K510-012	Retractor Stop Pin																								
AX	K510-048	Lower Transfer Bar	●	●	●	●	●	●	●	●	●	●											●	●	●	●
*AY	K510-067	Lever Spring 2 ea.		X																				X		
AZ	K510-068	Retractor Spring	●		●		●		●		●						●		●		●		●		●	
BA	K510-070	Lever Stop																								
BB	K510-071	Lever Stop Spring RH-RHR																								
BC	K510-097	Retraction Link Bar					●	●			●	●													●	●
BD	K510-105	Aux. Latch Guide	●	●									●	●	●	●	●	●	●	●	●	●	●	●		
BE	K510-108	Lock Case Cover	X	X																			X	X		
*BF	K510-109	Main Lever	X	X																						
BG	K510-111	Latchbolt Spring	●	●	●	●	●	●	●	●							●	●	●	●	●	●	●	●	●	●
BH	K510-112	Main Lever Spring																								
BI	K510-114	Faceplate 1"	●	●	●	●			●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
BJ	K510-115	Faceplate 1¼"	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
*BK	K510-116	Lever Hub 2 ea				●		●		●								●		●		●		●		●
BL	K510-117	Retractor 2 ea	●		●		●		●								●		●		●		●		●	
BM	K510-118	Knob Hub 2 ea	●		●		●		●								●		●		●		●		●	
*BN	K510-120	Locating Pin	●	●	●	●		●		●							●	●	●	●	●	●	●	●		●
BO	K510-121	Latch Stop & Spring Pin			●	●	●	●	●	●																
BP	K510-123	Upper Trans. Bar	●	●	●	●																	●	●	●	●
BQ	K510-125	Latch Stop Spring			●	●	●	●	●	●															●	●
BR	K510-126	Turn Hub	X	X	X	X																				
BS	K510-140	Retractor	X																				X			
BT	K510-142	Turn Hub Spring	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
BU	K510-145	Faceplate, Cover Screws 3 ea.	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
BV	K510-146	Cam Stop Screw																								
BW	K510-159	Armer Front 1¼"																					X	X		
BX	K510-161	Armor Front 1¼"																								
BY	K510-163	Upper Trans. Bar Spacer	X	X	X	X																	X	X		
BZ	K510-167	Spindle															●	●	●	●	●	●				
CA	K510-185	Deadbolt Bar Pin	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
*CB	K510-189	Lever Hub Rh-LHR		X																				X		
*CC	K510-190	Lever Hub LH-RHR		X																				X		
CD	K510-194	Armor Front 1¼"			X	X																				
CE	K510-199	Upper Trans. Bar Spacer	X	X	X	X																	X	X		
CF	K510-210	Armor Screws 2 ea.	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CG	K510-233	Armor Front 1¼"																								
CH	K510-244	Latch Engaging Lever																					X	X		
CI	K510-284	Armor Front 1"																					X	X		
CJ	K510-285	Armor Front 1"																								
CK	K510-287	Armor Front 1"			X	X																				
CL	K510-313	Lock Case Cover																								
CM	K510-317	Armor Front 1¼"	X	X																						
CN	K510-318	Armor Front 1"	X	X																						
CO	K510-375	Retractor Spacer 2 ea	●		●		●		●		●						●		●		●		●		●	
CP	K510-391	Bar Spacer .319											●	●	●	●	●	●	●	●	●	●				
CQ	K510-392	Bar Spacer .178											●	●	●	●	●	●	●	●	●	●				

*These functions are now obsolete and no longer in manufacture.

SYM.	NO.	DESCRIPTION	FUNCTION																					
			K4010	K6010	K4025 *	K6025 *	K4040	K6040	K4050	K6050	K4060	K6060	K4070	K6070	K4080	K6080	K4082	K6082	K6175	K6176	K4430 *	K6430 *	K4440 *	K6440 *
CR	K510-393	Lower Trans. Pin							●	●					●	●	●	●						
CS	K510-421	Lever Stop Spring LH-LHR											●											
CT	K510-422	Bell Crank					●	●																
CU	K510-430	Upper Trans. Bar							●	●					●	●	●	●						
CV	K510-432	Upper Trans. Bar Spacer .180							●	●					●	●	●	●						
CW	K510-442	Upper Trans. Bar Spacer .043																						
*CX	K510-454	Lever Spring 2 ea.		●				●		●		●		●		●			●	●		●		
CY	K510-529	Spacer	●				●		●				●								●			
*CZ	K510-586	Spacer																						
DA	K510-590	Trip Lever																						
DB	K510-591	Lock Case Cover											●											
*DC	K510-594	Lock Case Cover	●	●			●	●	●	●		●	●	●	●	●	●	●	●	●				
DD	K510-596	Armor Front 1¼"	●	●			●	●																
DE	K510-597	Armor Front 1 1/16"	●	●			●	●																
DF	K510-598	Armor Front 1¼"																						
DG	K510-599	Armor Front 1 1/16"																						
DH	K510-600	Armor Front 1¼"									●	●	●	●	●	●	●	●						
DI	K510-601	Armor Front 1 1/16"									●	●	●	●	●	●	●	●						
DJ	K510-602	Armor Front 1¼"																			●	●		
DK	K510-603	Armor Front 1 1/16"																			●	●		
DL	K510-604	Armor Front 1¼"							●	●														
DM	K510-605	Armor Front 1 1/16"							●	●														
DN	K510-606	Armor Front 1¼"																						
DQ	K510-607	Armor Front 1 1/16"																						
DP	K510-610	Armor Front 1¼"																						
DQ	K510-611	Armor Front 1 1/16"																						
DR	K510-613	Armor Front 1 1/16"																	●	●				
DS	K510-616	Turn Hub																			●	●		
DT	K510-657	Lower Trans. Bar Spacer							●	●					●	●	●	●						

*These functions are now obsolete and no longer in manufacture.

Discontinued and Replacement Parts

*Discontinued Parts		Replacement Parts
K110-500	Latchbolt RH LH	K110-022
K110-501	Latchbolt RHR LHR	K110-023
K110-502	Latchbolt w/Spring RH LH	K110-966
K110-503	Latchbolt w/Spring RHR LHR	K110-965
K110-506	Stop Button and Cap	K110-392
K110-508	Lock Case Lever	K110-956
K110-509	Turn Hub, Classroom RH-RHR	K110-957
K110-510	Turn Hub, Classroom LH-LHR	K110-958
K110-512	Bolt and Bar 1" Throw	N/A
K110-516	Lock Case, Knob	K110-956
K110-521	Lever Retractor RH RHR	K510-073 N/A
K110-522	Lever Retractor LH RHR	K510-132 N/A
K110-523	Retractor RH LHR	K510-073 N/A
K110-524	Retractor LH RHR	K510-117 N/A
K110-557	Turn Hub w/Hotel Pin	K110-505
K110-558	Turn Hub w/Hotel Pin	K110-504
K110-600	Spindle	2 ea K110-534
K110-624	Retractor Lever and Pin	K110-551
K510-067	Lever Spring	2 ea K510-454
K510-108	Lock Case Cover	K510-594

*Discontinued Parts		Replacement Parts
K510-109	Main Lever	K110-592 RH RHR
		K110-593 LH LHR
K510-126	Turn Hub	K510-616
K510-140	Retractor	N/A
K510-159	Armor Front 1¼"	N/A
K510-161	Armor Front 1¼"	09-089
K510-163	Upper Trans. Bar Spacer	K510-432
		K510-442
K510-189	Lever Hub RH RHR	N/A
K510-190	Lever Hub LH LHR	N/A
K510-194	Armor Front 1¼"	N/A
K510-199	Upper Trans. Bar Spacer	2 ea. K510-432
K510-244	Latch Engaging Lever	K110-594 RH RHR
		K110-595 LH LHR
K510-284	Armor Front 1"	N/A
K510-285	Armor Front 1"	09-098
K510-287	Armor Front 1"	N/A
K510-317	Armor Front 1¼"	N/A
K510-318	Armor Front 1"	N/A

*Note: For those parts where replacements are listed as not available (N/A), discontinued parts will be furnished as long as the supply lasts.

SYM.	NO.	DESCRIPTION
CR	K510-393	Lower Trans. Pin
CS	K510-421	Lever Stop Spring LH-LHR
CT	K510-422	Bell Crank
CU	K510-430	Upper Trans. Bar
CV	K510-432	Upper Trans. Bar Spacer .180
CW	K510-442	Upper Trans. Bar Spacer .043
*CX	K510-454	Lever Spring 2 ea.
CY	K510-529	Spacer
*CZ	K510-586	Spacer
DA	K510-590	Trip Lever
DB	K510-591	Lock Case Cover
*DC	K510-594	Lock Case Cover
DD	K510-596	Armor Front 1¼"
DE	K510-597	Armor Front 1 1/16"
DF	K510-598	Armor Front 1¼"
DG	K510-599	Armor Front 1 1/16"
DH	K510-600	Armor Front 1¼"
DI	K510-601	Armor Front 1 1/16"
DJ	K510-602	Armor Front 1¼"
DK	K510-603	Armor Front 1 1/16"
DL	K510-604	Armor Front 1¼"
DM	K510-605	Armor Front 1 1/16"
DN	K510-606	Armor Front 1¼"
DO	K510-607	Armor Front 1 1/16"
DP	K510-610	Armor Front 1¼"
DQ	K510-611	Armor Front 1 1/16"
DR	K510-613	Armor Front 1 1/16"
DS	K510-616	Turn Hub
DT	K510-657	Lower Trans. Bar Spacer

FUNCTION																										
K4451 *	K6451 *	K4452 *	K6452 *	K4453	K6453	K4454	K6454	K4456	K6456	K6460	K6462	K6463	K6464	K4465	K6465	K4466	K6466	K4473	K6473	K4484 *	K6484 *	K4485	K6485
				●	●	●	●	●	●													●	●
				●	●	●	●	●	●													●	●
				●	●	●	●	●	●													●	●
			●		●		●		●						●		●		●				●
				●		●		●						●		●		●				●	
								●	●														
								●	●														
					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●
								●	●					●	●	●	●	●	●				
								●	●					●	●	●	●	●	●				
																						●	●
																						●	●
						●	●																
						●	●																
				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
								●	●														

*These functions are now obsolete and no longer in manufacture.

K400 Series Parts

Code	Part Number	Description
FA	A501-051	Lever Spring
FB	B202-529	Deadbolt & Plugs
FC	B202-616	Case
FD	B202-617	Slide & Lever
FE	B502-468	Cam Screws 2 ea.
FG	B502-585	Spacer
FH	B502-587	Spring Seat
FI	B502-588	Deadbolt Locking Lever
FJ	B502-589	Lever Pin
FK	B502-590	Spring
FL	B502-591	Cyl. Locking Lever
FM	B502-593	Lever Adjustment Screw
FN	B502-594	Screw Nut 2 ea.
FO	B502-596	Cyl. Cam
FP	B502-759	Slide
FQ	B502-760	Armor

Code	Part Number	Description
FR	B502-761	Face Plate
FS	B502-789	Case & Cover Screws 3 ea.
FT	B520-154	Cyl. Ring
FU	B520-155	Cyl. Ring Spring
FV	B502-832	Armor Screws 2 ea.
FW	C603-896	Mounting Screws 2 ea. 12-24 PH WD & MS
FX	C603-897	Mounting Screws 2 ea. 8-32 PH WD & MS
FY	K510-066	Strike Box
FZ	09-084	Turn Unit, K460, K480
GA	09-085	Turn Unit, K463 (Specify Hand)
GB	10-087	Strike, 1 3/16" Lip ANSI 4⅞" x 1¼"
GC	18-001	Chassis (includes case, armor, screws, less strike, cyl. & turn)
GD	26-070	Cylinder

Mortise Cylinders for K Locks

Precision 6 pin tumbler solid brass threaded cylinders with B502-191 standard cams and 36-078 compression rings are furnished with all 'K' series functions using rose trim, 206, 713 and 715 escutcheons. Blocking rings in lieu of or in addition to the compression ring may be required for some door thicknesses. Concealed face cylinders are used with 205, 712, and 714 escutcheons for all single cylinder functions and on the outside of all double cylinder functions.

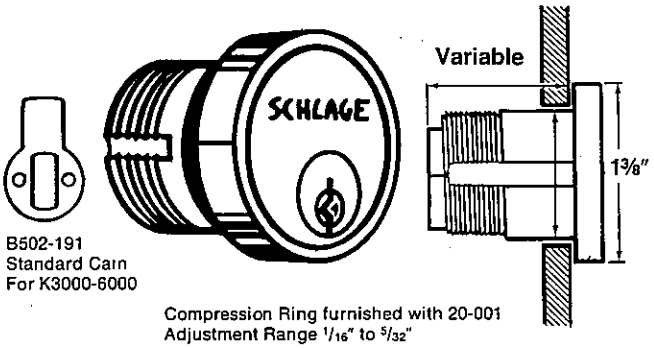
To order cylinders separately in Schlage key sections for 'K' series locks, other mortise locks or mortise exit devices, refer to the cylinder numerical listing and the cylinder charts for guidance. For replacement cylinders with General Lock key sections, refer to the factory for availability.

Mortise Cylinder 20-001

Full Face = shown with 36-078 Compression Ring for use with rose trim, 206, 713 and 715 escutcheons.

Finish Availability: 605, 606, 609, 612, 613, 616, 620, 622, 625, 626
Cylinder plugs are finished 606 and 626 only.

To Order: Specify cylinder number, length and finish. The compression ring 36-078 is furnished with 20-001. Rings are not included with other cylinders and must be specified separately.



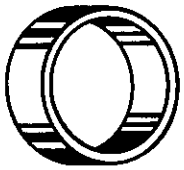
B502-191
Standard Cam
For K3000-6000

Compression Ring furnished with 20-001
Adjustment Range 1/16" to 5/32"

Blocking Rings 36-079

To order cylinders with blocking rings (36-079) in lieu of compression rings (36-078), specify the basic cylinder 26-021, length and finish. List blocking ring, dimension code and finish separately.

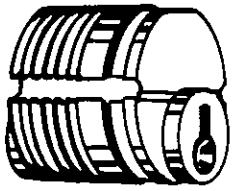
Length		Dimension Code
1/8"	=	012
3/16"	=	018
1/4"	=	025
5/16"	=	031
3/8"	=	037
7/16"	=	043
1/2"	=	050

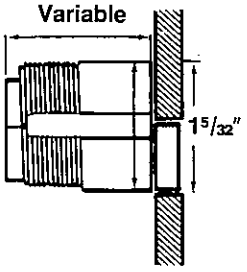


Concealed Cylinder 26-023

For use with 712, 714, and 205 Escutcheons.

Finishes: 606, 626 only.

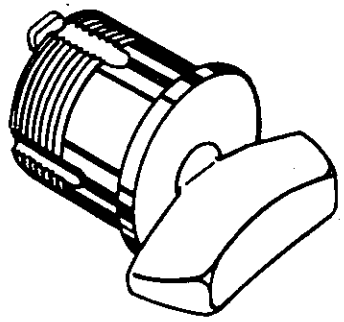




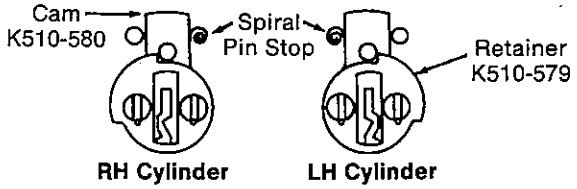
Mortise Cylinder Turn For Deadbolt Locks

Cylinder Lengths:
1⅛", 1¼", 1⅜"
1¼" standard for 1¾" door.

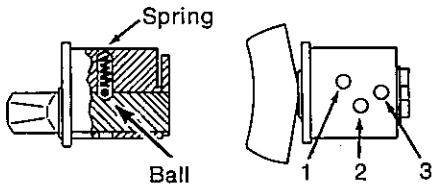
Finishes: 605, 606, 609, 612, 613, 616, 620, 622, 625, 626



Mortise Cylinder with Lazy Cam for Latch Holdback on Functions K_ 50, _ 80, _ 82.



Note: For RH/RHR DOORS specify LH cylinder
For LH/LHR DOORS specify RH cylinder



TURN K3000-6000	LTH	DOOR HAND	CAM NUMBER	ASSEMBLY— Assemble Spring & Ball in Hole Number:
09-034 for classroom Specify Hand	1⅛"	RH	B502-191	2
	1¼"			
	1⅜"			
	1⅛"	LH		1
	1¼"			
	1⅜"			
38-042 All except Classroom	1⅛"	—		3
	1¼"			
	1⅜"			
Turn 09-084 for K460, K480	1⅛"	—	B502-596	3
	1¼"			
	1⅜"			
09-085 for K463 Specify Hand	1⅛"	RH		2
	1¼"			
	1⅜"			
	1⅛"	LH		1
	1¼"			
	1⅜"			

Mortise Cylinders for K Locks

SINGLE CYLINDER (WITH COMP. RING)

20-001 Single cyl. mortise (includes comp. ring) 1" (5 pin), 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"

SINGLE CYLINDERS (LESS RINGS)

26-021 Single cyl. mortise 1"(5 pin), 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"
26-023 Single cyl. concealed 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"
26-024 Hotel cyl. Mortise 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"
26-025 Hotel cyl. concealed 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"
26-061 Holdback (specify hand) mortise 1¼", 1⅜", 1½", 1¾"
26-063 Holdback (specify hand) concealed 1¼", 1⅜", 1½", 1¾"
38-070 Dummy cylinder mortise 1⅛", 1¼", 1⅜", 1½"

DOUBLE CYLINDERS (LESS RINGS)

26-022 Double cyl. mortise (2 cyls 26-021) 1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾"
26-026 Concealed × mortise 26-023 1⅛" × 26-021 1⅛"
26-027 Concealed × mortise 26-023 1⅛" × 26-021 1¼"
26-028 Concealed × mortise 26-023 1¼" × 26-021 1¼"
26-079 Concealed × mortise 26-023 1¼" × 26-021 1⅜"
26-083 Mortise × holdback (spec. hand) mortise 26-021 1⅛" × 26-061 1¼"
26-084 Mortise × holdback 26-021 1¼" × 26-061 1⅜"
26-085 Mortise × holdback 26-021 1⅜" × 26-061 1½"

CAMS—MORTISE CYLINDERS

B502-191 Standard
K510-579 Retainer
K510-580 Cam
} Order 1 each for complete holdback cam.

SINGLE CYLINDERS

Door thickness			1⅜"	1¾"	2"	2¼"
Door range			15/16"–1½"	111/16"–1⅞"	1⅞"–2⅛"	2⅛"–2⅜"
Outside and Inside Cylinders	Trim	Cyl. type				
	400	Standard	26-021 1⅛"			
		Holdback	26-061 1¼"			
	205, 712, 714	Standard	26-023 1⅛"			26-023 1¼"
		Holdback	(not available)			
	206, 713, 715	Standard	26-021 1⅛"		26-021 1¼"	26-021 1⅜"
		Holdback	26-061 1¼"		26-061 1⅜"	26-061 1½"
Compression Rings			36-078			
Blocking Rings	400	Standard	36-079 012			
		Holdback	36-079 025	36-079 012		
	206, 713, 715	Standard	36-079 012			
		Holdback				

HOTEL CYLINDERS

Door thickness		1⅜"	1¾"	2"	2¼"
Door range		15/16"–1½"	111/16"–1⅞"	1⅞"–2⅛"	2⅛"–2⅜"
Outside Cylinder and Length	Trim				
	400	26-024 1⅛"			26-024 1¼"
	205, 712, 714		26-025 1⅛"		26-025 1¼"
	206, 713, 715	26-024 1⅛"		26-024 1¼"	26-024 1⅜"
Compression Ring		36-078			
Blocking Ring		36-079 012			
Indicator Trim Plate		38-041			

Rings not required with Trim Plate

DOUBLE CYLINDERS

Door Thickness			1⅜"	1¾"	2"	2¼"
Door Range			15/16"–1½"	111/16"–1⅞"	1⅞"–2⅛"	2⅛"–2⅜"
Outside and Inside Cylinders	Trim	Cyl. type				
	400	Standard	26-022 1⅛"			
		Holdback	26-083			
	205, 712, 714	Standard	----	26-026	26-027	26-079
		Holdback	----	(not available)	----	----
	206, 713, 715	Standard	26-022 1⅛"		26-022 1¼"	26-022 1⅜"
		Holdback	26-083		26-084	26-085
Compression Rings			2 each	36-078		
Blocking Rings	400	Standard	(2)36-079 037	(2)36-079 025	(2)36-079 012	----
		Holdback	(2)36-079 037	(2)36-079 025	(2)36-079 012	----
	205, 712, 714	Standard	----	(1)36-079 018		
	206, 713, 715	Standard	(2)36-079 012			
		Holdback	(2)36-079 012			

Lock Trim

To order trim separately specify number design, finish and door thickness. Outside and inside knobs and levers are identical for use on all rose and escutcheon trim mountings. Specify hand of door when ordering single lever designs 70, 71. Mounting screws should be ordered separately.

Fusible Link Levers
All levers are available with fusible links. To order, suffix the letter "U" to the design i.e.: 18U, 71U, etc.

Finishes: Finishes 403, 415, 416, 423, 605, 606, 612, 613, 622, 625, 626, 629, 630

Number	Designs	
09-017 **Levers**	17, 18, 20 44, 61, 68 70, 71	(Available all finishes)
09-017 **Knobs**	Cast 22, 32, 55 (Not available 606)	
	Standard Duty Wrought	
		62 (Available 415, 605, 612, 613, 625, 626)
		72 (Available 415, 605, 612, 613, 625, 626, 630)
		92 (Available 415, 605, 612, 613, 625, 626, 630)
		82 (Available 415, 605, 606, 612, 613, 622, 625, 626, 630)
	Heavy Duty Wrought	
		65 (Available 415, 612, 613, 625, 626, 630)
		83 (Available 415, 605, 606, 612, 613, 625, 626, 630)
		73 (Available 415, 612, 613, 626, 630)
		93 (Available 415, 605, 612, 613, 625, 626, 630)
09-002 **Roses**	Cast Outside	426 (Available all finishes)
		428 (Available all finishes)
Specify Door Thickness	Wrought Outside	422 (Available all finishes)
		424 (Available all finishes)
09-003 **Roses**	Cast Inside	426 (Available all finishes)
		428 (Available all finishes)
(Does not include mounting plate)	Wrought Inside	422 (Available all finishes)
		424 (Available all finishes)

Armor Fronts—includes Screws, Specify Finish and width 1 1/16" or 1 1/4".

	Old Style Model MK76		New Style Model MK80		
	Specify width 1" or 1 1/4"	width 1 1/4" Sq. Cor.	width 1 1/16" Sq. Cor.	width 1 1/4" 1/4" RC	width 1 1/16" 1/4" RC
Latch	09-044	09-086	09-095	09-104	09-113
Latch × Deadbolt	09-045	09-087	09-096	09-105	09-114
Latch × Aux. Deadlatch, Stopworks	09-046	09-088	09-097	09-106	09-115
Latch × Aux. Deadlatch	09-047	09-089	09-098	09-107	09-116
Latch × Aux. Deadlatch, Deadbolt, Stopworks	09-049	09-091	09-100	09-109	09-118
Latch, Deadbolt × Stopworks	09-050	09-092	09-101	09-110	09-119
Deadbolt	09-051	09-093	09-102	09-111	09-120
Plain (No Holes)	09-052	09-094	09-103	09-112	09-121

Number	Design	Trim Preparation
		Outside Escutcheon—Cast
09-021	712	Con. cyl. Schlage × Knob or Lever
09-006	713	Mort. cyl. × Knob or Lever
09-007	712	Emerg. 3/4" button × Knob or Lever
*09-022	712	Occup. ind. × con. cyl. Schlage × Knob or Lever
*09-008	713	Occup. ind. × mort. cyl. Occup. ind. × Knob or Lever
09-009	712	Knob or Lever
09-023	712	Con. cyl. Schlage
09-010	713	Mort. cyl.
09-018	712	Plain
		Inside Escutcheon—Cast
*09-011	712	Thumb Turn × Knob or Lever
09-012	713	Mort. cyl. × Knob or Lever
09-013	712	Knob or Lever
09-014	713	Mort. cyl.
09-015	712	Thumb Turn
09-016	712	Plain
		Outside Escutcheon—Wrought
09-021	714	Con. cyl. Schlage × Knob or Lever
09-006	715	Mort. cyl × Knob or Lever
09-007	714	Emerg. 3/4" button × Knob or Lever
09-022	714	Occup. ind. × con. cyl Schlage × Knob or Lever
*09-008	715	Occup. ind. × mort. cyl. Occup. ind. × Knob or Lever
09-009	714	Knob or Lever
09-023	714	Con. cyl. Schlage
09-010	715	Mort. cyl.
09-018	714	Plain
		Inside Escutcheon—Wrought
*09-011	714	Thumb Turn × Knob or Lever
09-012	715	Mort. cyl. × Knob or Lever
09-013	714	Knob or Lever
09-014	715	Mort. cyl.
*09-015	714	Thumb Turn
09-016	714	Plain

*Specify door thickness

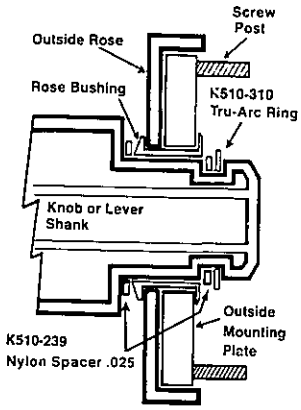
Miscellaneous Trim

K510-330 Emergency Button 3/4"
*38-038 Turn Piece
*38-041 Hotel Indicator Trim Plate
*(Specify Door Thickness)

Trim Assembly

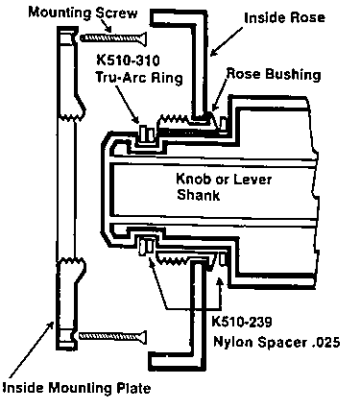
Knobs or Levers with Roses or Escutcheons

Outside Rose Trim



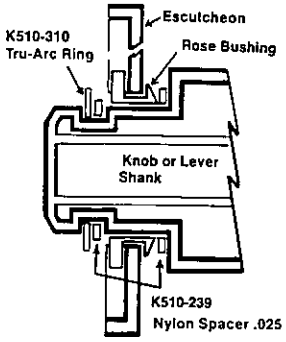
Rose, Mounting, Plate and Bushing are factory assembled

Inside Rose Trim



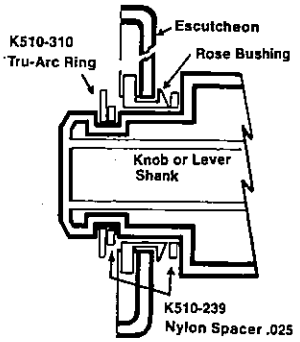
Inside rose threads into inside mounting plate

Cast Escutcheon Trim Outside or Inside



Escutcheon and bushing are factory assembled

Wrought Escutcheon Trim Outside or Inside



Escutcheon and bushing are factory assembled

K Series Spindles

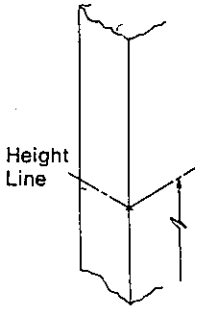
All spindles are $^{5}/_{16}$" square non-threaded and include pins and springs. Standard spindles are available for use on doors up to 3⅜" extended equally or 2½" door extended one side only.

NUMBER		DOOR RANGE	DESCRIPTION
K110-397 K110-989		$1^{5}/_{16}$" to 2⅜" 2½" to 3⅜"	1 pc. solid for cast or wrought Knobs and Levers
K110-534 K110-988		$1^{5}/_{16}$" to 2⅜" 2½" to 3⅜"	2 ea. required per lock replaces swivel spindle, for cast or wrought Knob and Lever and dummy trim one side
K110-396 K110-534 K110-991 K110-998	O/S x I/S O/S x I/S	$1^{5}/_{16}$" to 2⅜" 2½" to 3⅜"	For functions K4080 and K4485 cast or wrought Knobs only. O/S Knob is free spinning. For Levers use 2 ea. K110-534 or K110-998
K110-393			1 pc. solid 5" length
K110-394			1 pc. solid 6" length
K110-395			1 pc. solid 8" length
K510-172			Spindle Spring

Installation Instructions

CAUTION: The outside and inside face of the door may require different preparation. Read instructions thoroughly and use proper template for inside and outside.

1 MARK HORIZONTAL LINES ON DOOR AND DOOR EDGE

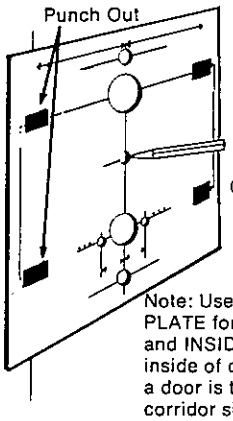


Measure desired height from finished floor, both sides and edge of door.

NOTE: If mortise for strike has already been made, measure 2⅛" down from center of strike to locate ℄ of Knob or Lever.

2 PUNCH OUT SLOTS

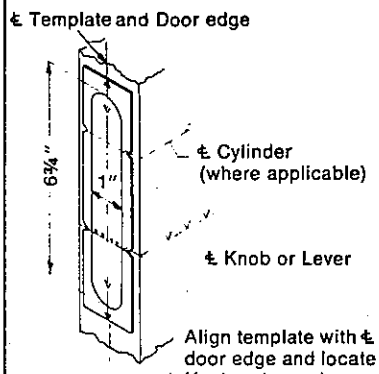
Align template on edge of door with applicable horizontal ℄ at height line.



Note: Use OUTSIDE TEMPLATE for outside of door and INSIDE TEMPLATE for inside of door. The outside of a door is the exterior side or corridor side.

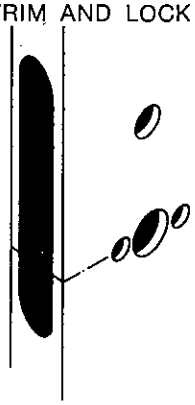
3 MORTISE DOOR EDGE

1" DRILL 4¼" DEEP 6¾" HIGH



Align template with ℄ of door edge and locate on ℄ of Knob or Lever (or Cylinder hole where applicable)

4 DRILL PROPER HOLES FOR TRIM AND LOCK FUNCTION

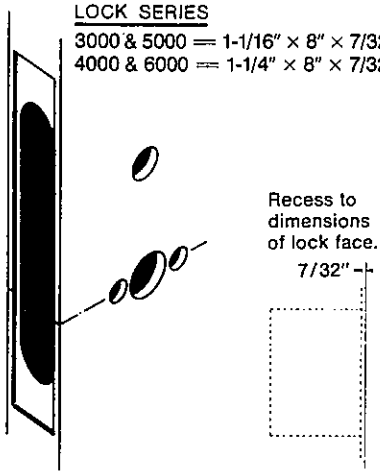


NOTE: For thru holes drill halfway from each side of door.

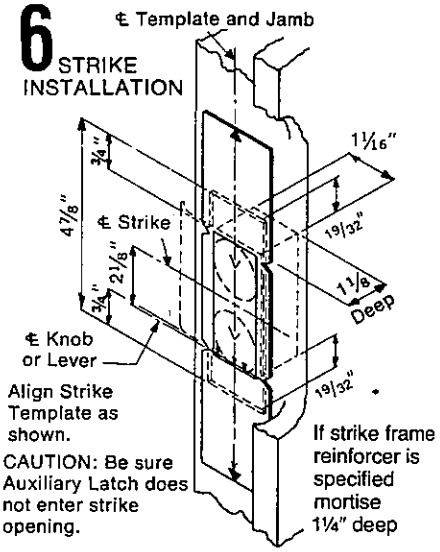
5 RECESS FOR LOCK FACE

LOCK SERIES

3000 & 5000 = 1-1/16" × 8" × 7/32"
4000 & 6000 = 1-1/4" × 8" × 7/32"



6 STRIKE INSTALLATION

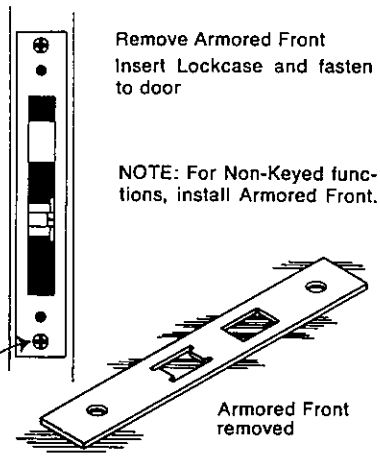


Align Strike Template as shown.

CAUTION: Be sure Auxiliary Latch does not enter strike opening.

If strike frame reinforcer is specified mortise 1¼" deep

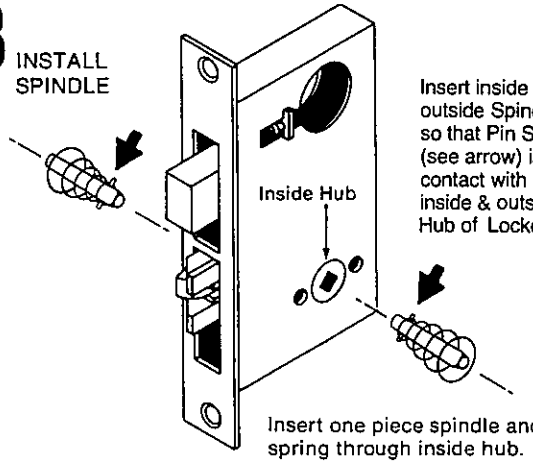
7 INSTALL LOCKCASE



Remove Armored Front
Insert Lockcase and fasten to door

NOTE: For Non-Keyed functions, install Armored Front.

8 INSTALL SPINDLE



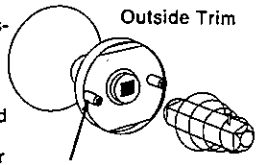
Insert inside & outside Spindles so that Pin Stop (see arrow) is in contact with the inside & outside Hub of Lockcase.

Insert one piece spindle and spring through inside hub.

Installation Instructions

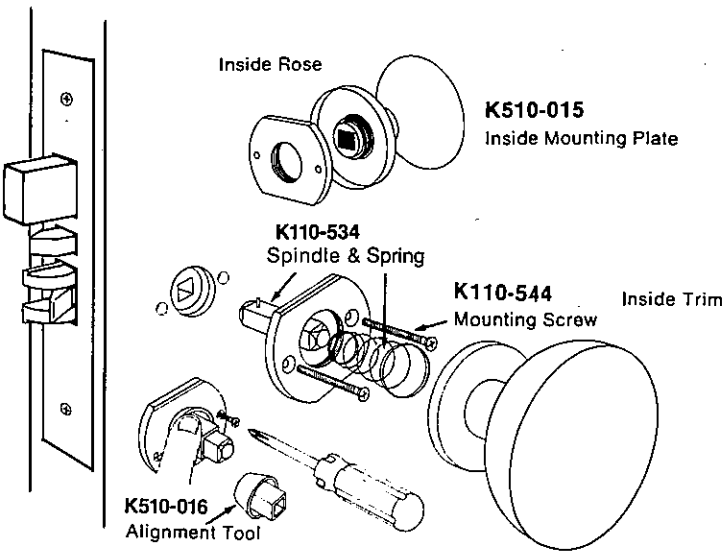
9A INSTALL ROSE TRIM for KNOBS or LEVERS

Inside rose is threaded into mounting plate and must be disassembled before installation.



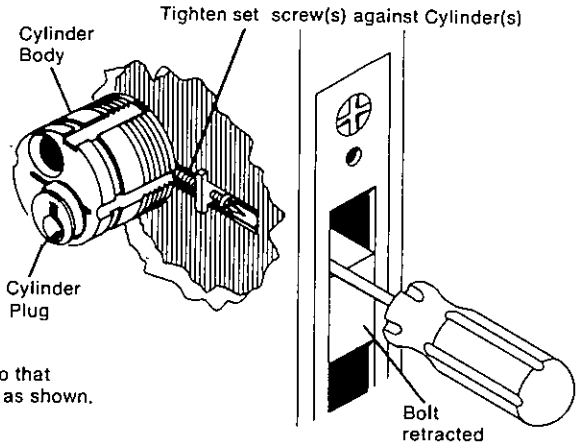
1. Slip outside trim onto spindle and insert screw posts into holes.
2. Install inside mounting plate over spindle.
3. Place alignment tool onto spindle to center inside mounting plate.
4. Hold tool against mounting plate and tighten screws.
5. Remove alignment tool.
6. Slip inside trim onto spindle and thread inside rose into mounting plate. Tighten rose firmly

NOTE: Screws must be inside only.



9B INSTALL CYLINDER(S)

26-006 (Concealed Type)



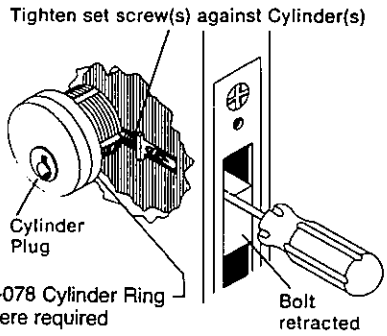
Cylinder Plug must project approx. 3/16" from face of door.

NOTE: Adjust Cylinder(s) so that Cylinder Plug is positioned as shown. Install Armored Front.

10A INSTALL CYLINDER(S)

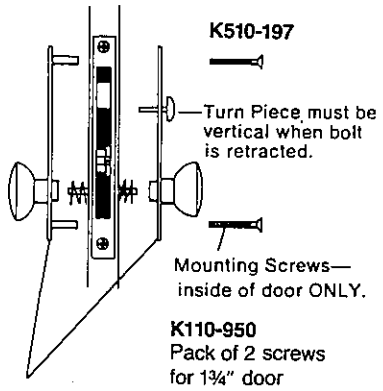
(Exposed Type)

Exposed cylinders are installed after escutcheon trim



NOTE: Adjust Cylinder(s) so that Cylinder Plug is positioned as shown. Install Armored Front.

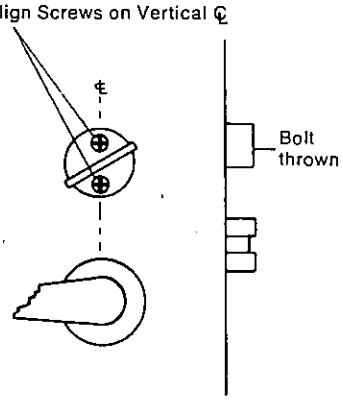
10B INSTALL ESCUTCHEON TRIM



Slip Trim onto Spindles.

11 INSTALL TURN PIECE

Align Screws on Vertical ℄



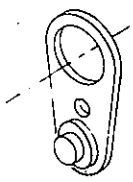
NOTE: Turn Piece must hide screws when bolt is retracted.

12 INSTALL EMERGENCY BUTTON

Refer to Template (⅝" Dia. Hole.)

Insert Emergency Button into hole.

13 INSTALL INDICATOR BUTTON WITH CYL. COLLAR OR 712 (HOTEL ONLY)



38-041
Indicator Trim Plate

Refer to Template (9/16" Dia. Hole)

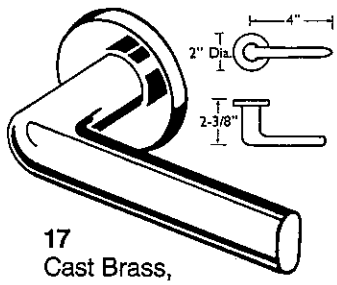
Lever and Knob Designs

Design Identification

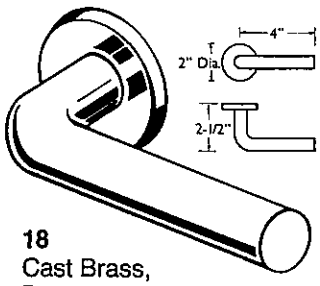
All designs are identified numerically, Levers, knobs, and the trim mountings, (roses, escutcheons) should be designated individually. Different (Lever x Lever) designs or different (Knob x Knob) designs can be ordered for use on a lock mechanism but are not available (Lever x Knob) on the same lock mechanism. Escutcheon and rose trim mountings cannot be mixed on the same lock mechanism.

Example: 17 (lever)/712 (escutcheon) x 44 (lever)/712 (escutcheon) 22 (knob)/422 (rose) x 83 (knob)/422 (rose). All Levers are available with Fusible Link. To order suffix symbol "U" to Lever design number.

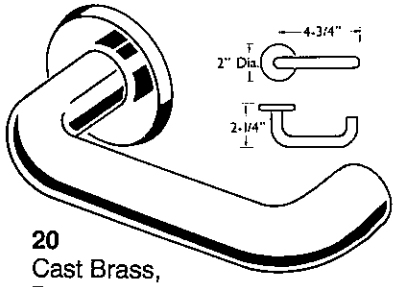
Standard Duty Knob Designs: 62, 72, 82, 92—match in appearance and are equal to "A" Series.
Heavy Duty Knob Designs: 65, 73, 83, 93—match in appearance and are equal to "D" Series. 22, 32, and 55 are heavy duty cast designs.



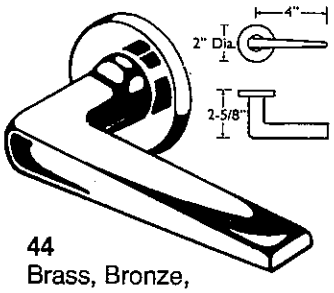
17
Cast Brass,
Bronze,
Stainless Steel



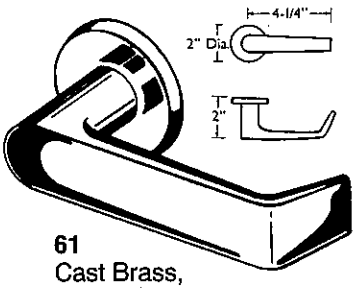
18
Cast Brass,
Bronze,
Stainless Steel



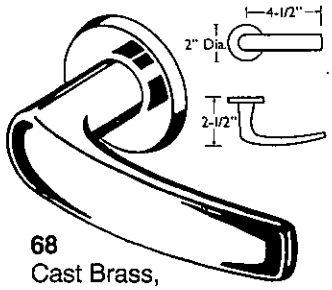
20
Cast Brass,
Bronze,
Stainless Steel



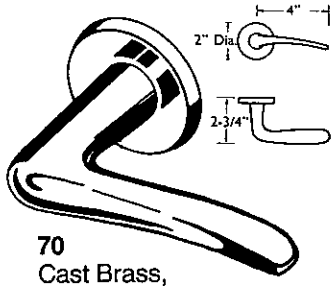
44
Brass, Bronze,
Stainless Steel



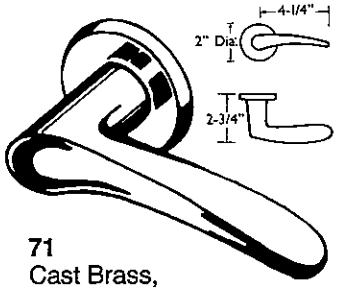
61
Cast Brass,
Bronze,
Stainless Steel



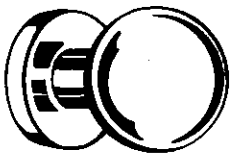
68
Cast Brass,
Bronze,
Stainless Steel



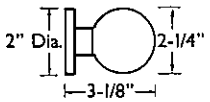
70
Cast Brass,
Bronze,
Stainless Steel
Specify Hand

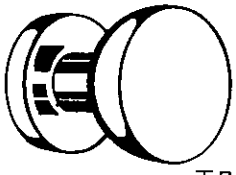


71
Cast Brass,
Bronze,
Stainless Steel
Specify Hand

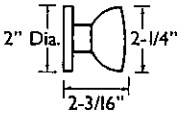


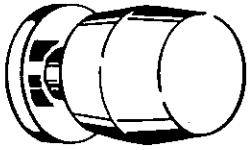
22
Cast



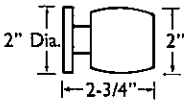


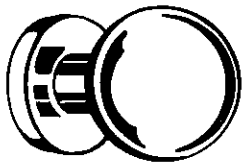
32
Cast



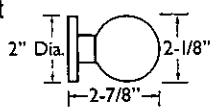


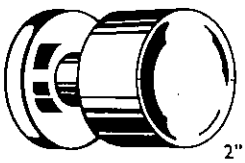
55
Cast



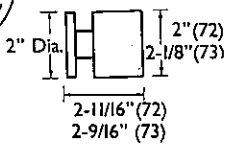


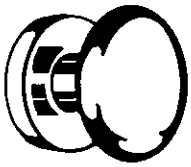
62
65
Wrought



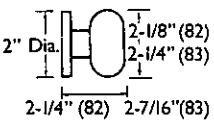


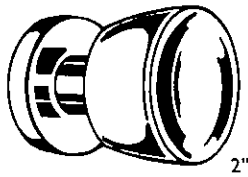
72
73
Wrought



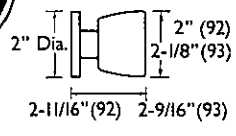


82
83
Wrought





92
93
Wrought

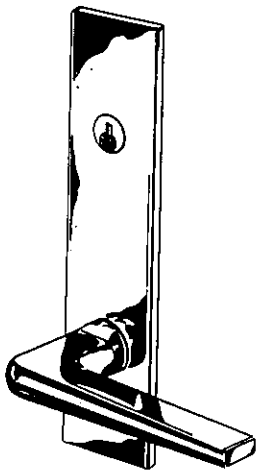


Trim Mountings

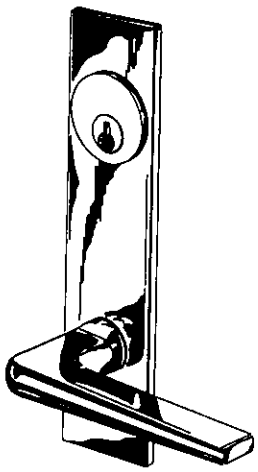
Escutcheons

All lever and knob designs can be installed with escutcheon trim with thru bolt mounting for positive support.

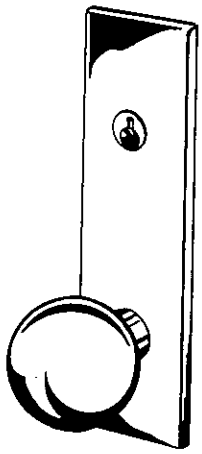
Material: 712, 713-Cast, 714, 715-Wrought.
Finishes: All finishes to match lever and knob designs (see page Intro F).
To order with complete locks: Specify design number preceded by lever or knob design.
Example 44/712 or 65/715.



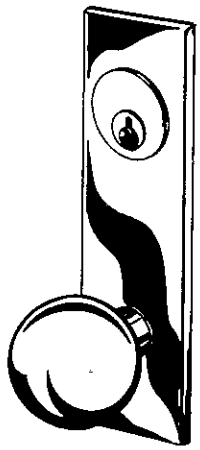
712 Escutcheon
for Concealed Cylinder
Size: 1¾″ × 7⅜″ × ¼″
Material: Cast Brass, Bronze



713 Escutcheon
for Standard Mortise Cylinder
Size: 1¾″ × 7⅜″ × ¼″
Material: Cast Brass, Bronze



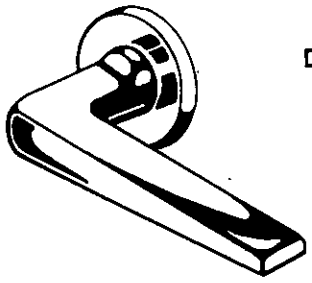
714 Escutcheon
for Concealed Cylinder
Size: 2⅛″ × 7⅜″ × ¼″
Material: Wrought Brass, Bronze, Stainless Steel



715 Escutcheon
for Standard Mortise Cylinder
Size: 2⅛″ × 7⅜″ × ¼″
Material: Wrought Brass, Bronze, Stainless Steel

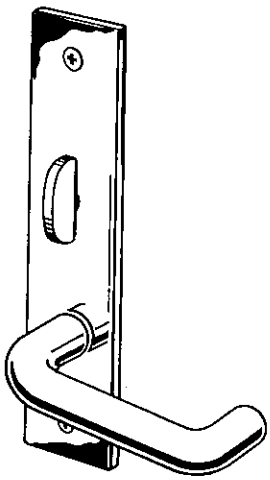
Roses

Roses are available for use with all lever and knob designs in matching finishes. Roses and escutcheons cannot be mixed on the same lock mechanism. Roses have concealed fastenings, bolt back to back right through the door and lockcase, thus eliminating dependency on the skin of the door for supporting screws and trim. To order with complete locks, specify rose number preceded by lever or knob design. Example: 44/422 or 22/426.

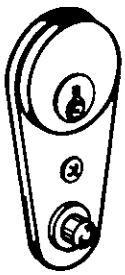


422 Rose shown with 44 Lever

Design No.	Diameter
Wrought	
422	2″
424	2 9/16″
Cast	
426	2½″
428	3″



712 Escutcheon shown with 20 lever and inside turn piece.



38-041

Indicator Trim Plate

For occupancy indicator and cylinder, furnished standard when sectional trim is required with Hotel/Motel function locks. Available in all finishes except stainless steel.

38-038

Turn Piece

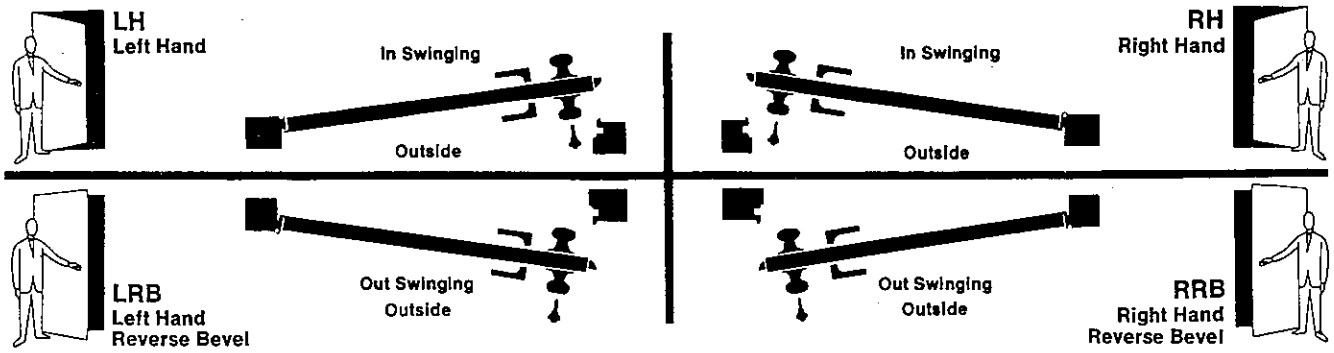
For use with deadbolt functions having rose trim. Turn piece with 712 escutcheon shown on this page.

Instructions for Changing Hands

Before disassembly of the lock case always check to properly identify the hand of the lock and the door on which it is to be installed. The removable cover side of the lockcase should always be installed on the outside or corridor side for RH and RHR doors. For LH and LHR doors, the removable cover side of the lockcase should be installed on the inside or room side of the door. Make sure the latch and lock front bevel match and conform to latch bevel as illustrated in the "Hand of Door chart." See lock function pages for position of chassis parts.

Hand of Door

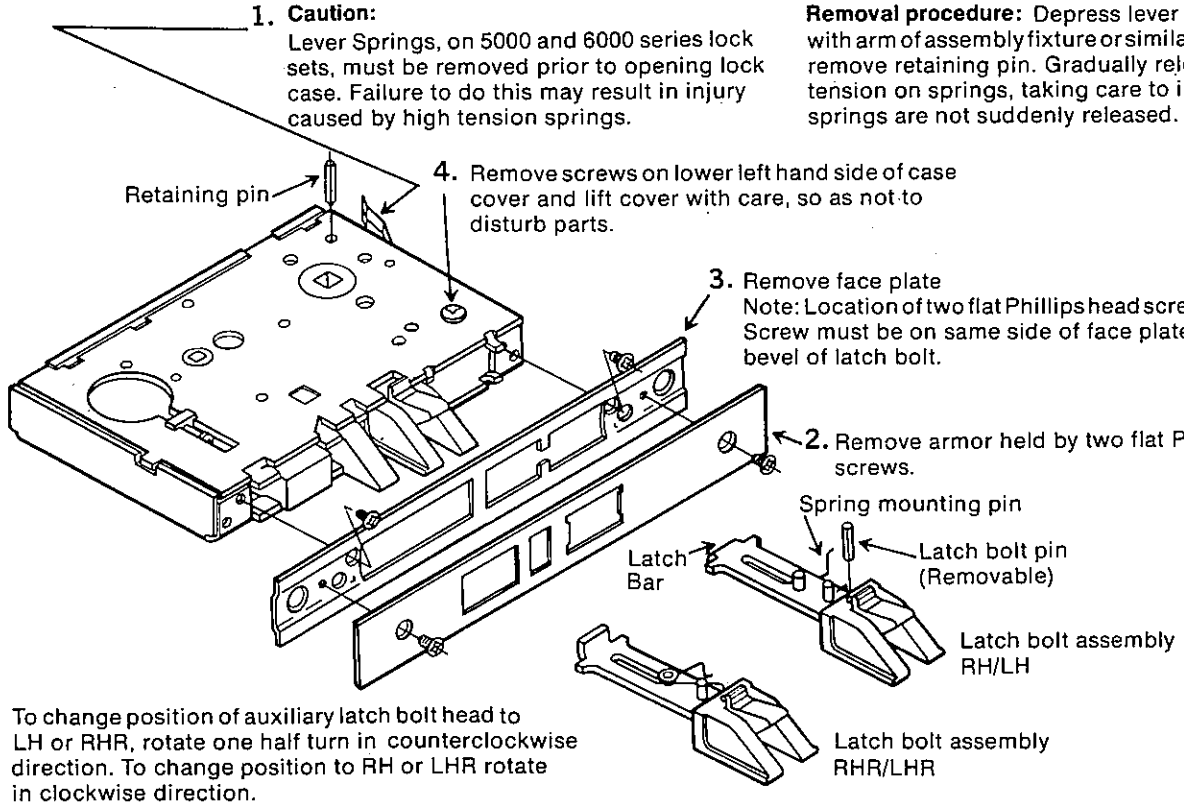
Always specify the door hand when ordering K series locks.
Follow the illustration to correctly determine the hand of the door.



Important: Read all instructions carefully before proceeding.

1. **Caution:**
Lever Springs, on 5000 and 6000 series lock sets, must be removed prior to opening lock case. Failure to do this may result in injury caused by high tension springs.

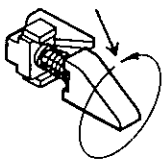
Removal procedure: Depress lever springs with arm of assembly fixture or similar tool and remove retaining pin. Gradually release tension on springs, taking care to insure that springs are not suddenly released.



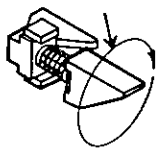
5. To change position of auxiliary latch bolt head to LH or RHR, rotate one half turn in counterclockwise direction. To change position to RH or LHR rotate in clockwise direction.

Caution: Do not rotate more than ½-turn in either direction from factory setting

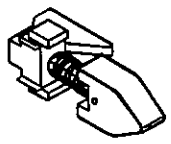
Aux. Head in RH/LHR position



Aux. Head in LH/RHR position



New Style Auxiliary Latch Automatically Reversible RH or LH

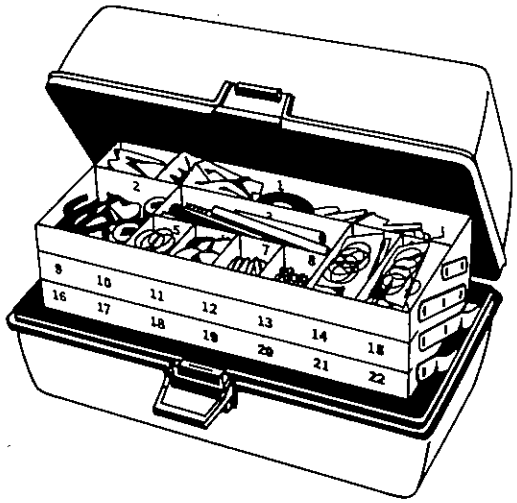


6. To change RH/LH latch bolt assembly to RHR/LHR, remove pin and turn latch bolt to a reverse (opposite) position. Note position of bent tab of bar in relation to bevel of latch bolt.

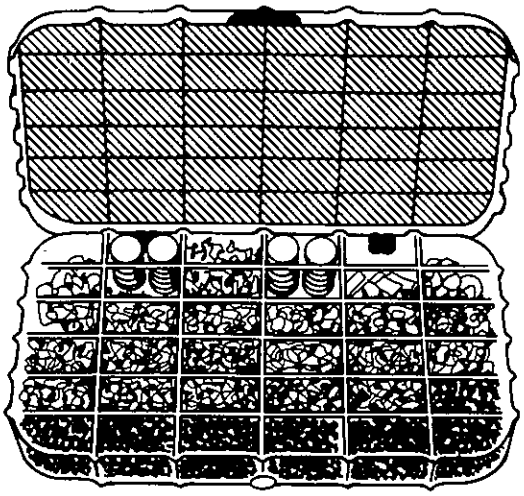
Although spring mounting pin must remain in factory assembled position, it may be necessary to reposition legs of spring for LH and RHR.

Service Kits and Tools

Maintenance and keying kits are available to aid personnel responsible for lock operation on large projects such as office and institutional buildings, school and hospitals.

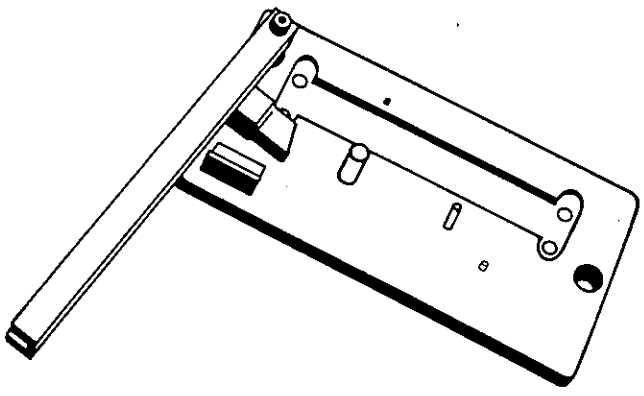


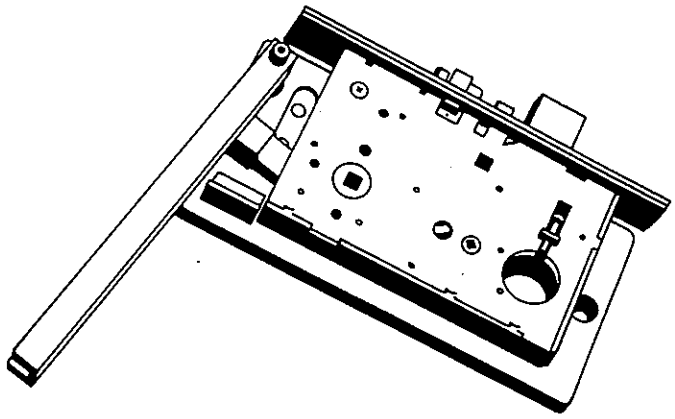
38-040 **Maintenance Kit**
For "K" Mortise Series 3000, 4000, 5000, 6000. Includes lock assembly fixture, truarc pliers and most parts necessary for servicing and conversion of lock chassis. A complete listing of parts is available on request.



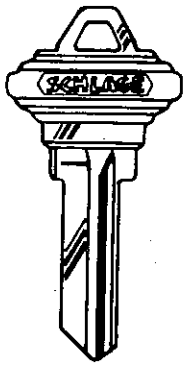
40-118 **Keying Kit**
Contains assorted cylinder pins, core pins, master discs, springs, cams and cam screws.

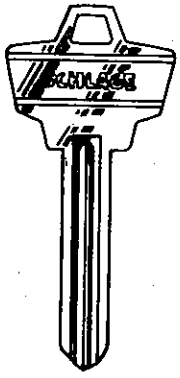
40-121 **Lock Assembly Fixture**
A light weight aluminum alloy jig for assembly and disassembly of case mechanisms.

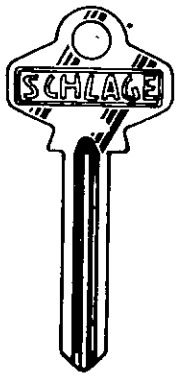




Index



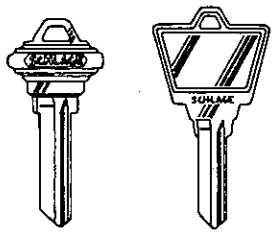




KEYING
Pin and Wafer Cylinders

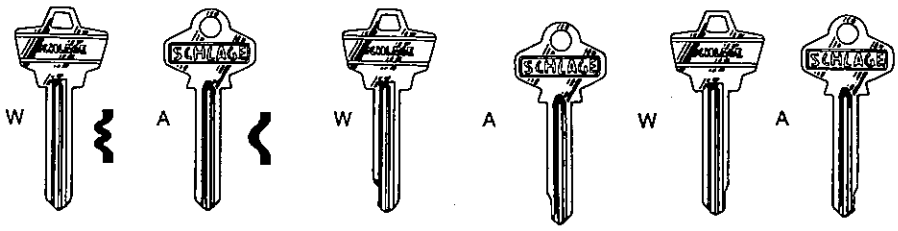
SCHLAGE Key Blanks and Cut Keys

PIN TUMBLER



STANDARD BOW | LARGE BOW

WAFER TUMBLER



TYPE 0 | TYPE 1 **(Discontinued)** | TYPE 2 **(Discontinued)**

There are three distinct types of wafer key blanks. Type 1 wafer key blank which has been prepared for a Type 1 wafer keyway unit. Type 2 wafer key blank which has been prepared for a Type 2 wafer keyway unit. Type 0 key blank, which remains unaltered. Usually used for Master or Grand Masterkeying, the Type 0 key blank can also be cut for Type 1 and Type 2 use. When ordering wafer key blanks, list the quantity and part number.

TYPE	Key Blanks	Specify Section (Normally Packed 50 Per Box)								Cut Keys
Pin Tumbler										
Standard Bow	35-100 (5 pin) 35-101 (6 pin)	C C	E E	F F		H H	J J	CE CE	EF EF	48-100 (5 pin) 48-101 (6 pin)
Large Bow	35-140 (5 pin)	C	E	F		H	J	CE	EF	48-140 (5 pin)
	35-141 (6 pin)	C	E	F		H	J	CE	EF	48-141 (6 pin)
Wafer Tumbler		**Section (Normally Packed 50 Per Box)**								
Type 0	35-180	A	Blank only							35-180
Type 1	35-181	A								48-184
Type 2	35-182	A								48-184
Type 0	35-200	W	Blank only							35-200
Type 1	35-201	W								48-204
Type 2	35-202	W								48-204

PIN TUMBLER CONSTRUCTION KEYING — CKD

Cylinder units Masterkeyed, with the additional feature of Construction Keying. Construction keyed cylinder units are furnished with an insert which restricts their operation to the Construction Masterkey. Inserts are removed by an Extractor key, allowing only the permanent keys (change keys, masterkeys) to operate the cylinder. When ordering specify CKD.

INSERT
48-107 (5 pin)
48-108 (6 pin)

CONSTRUCTION KEY
48-105 (5 pin)

CONSTRUCTION KEY
48-106 (6 pin)

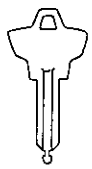
EXTRACTOR KEY
35-109 (5 & 6 pin)

WAFER TUMBLER CONSTRUCTION KEYING — CKD

Wafer Construction Keying is available in "W" section only —not in the "A" section.
Principle of Wafer Construction Keying is similar to Pin Tumbler Construction Keying.

INSERT
48-206 for Type 1
48-207 for Type 2
48-208 for Type 0

CONSTRUCTION KEY
48-205 for Types 1, 2, 0



EXTRACTOR KEY
35-209 for Types 1, 2, 0

Symbols used to indicate keying arrangements may be shown in various ways. The most commonly used methods are briefly explained under "traditional keying symbols and terms".

Standard Keying Code Symbols

American Society of Architectural Hardware Consultants (AHC)

(1) Use two letters for both masterkeyed and grand masterkeyed systems.
   a) MASTER KEY SYSTEMS have change key numbers PRE-FIXED, Example — 1AA 2AA
   b) GRAND MASTER KEY SYSTEMS have change key numbers SUF-FIXED, Example — AA1 AA2

(2) Each change combination has a different number affixed to letter symbol. **Every keyed different cylinder must be listed with a different number. Cylinders in keyed alike groups will have the same number affixed.**

(3) Letter symbol only (A) indicates to be operated by GMKey only, no change key. (Single letter would not be used at all in simple Masterkey system.)

(4) Two letter symbol only (AA) indicates to be operated by: AA MKey and A GMKey only, **no change key.**

(5) Symbol A1, A2; these are changes under "A" GMKey only.

(6) Symbol "GGM1", "GGM2"; these are changes under GMKey only.

(7) Symbol "1AA", '2AA", etc., used in Great Grand Masterkey System. The change numbers are prefixed on all locks operated by Masterkeys under Great Grand Masterkey only—No Grand Masterkey operates these locks.

(8) Symbol "SKD1", SKD2", etc.,—SINGLE KEYED—used for locks in a Master, Grand or Great Grand Masterkey system.
THESE LOCKS OPERATED BY THEIR CHANGE KEYS ONLY (NOT MKD, GMKD, ETC.).

(9) Where cylinders are to be crossed keyed **(two or more change keys** under the **same** masterkey operates **one cylinder)**, prefix letter "X" to key set then explain total symbol. Example: XAA1, — operated by AA2, MK "AA", GMK "A".

EXAMPLE:

MASTERKEY SYSTEM	**GRAND MASTERKEY SYSTEM** GRAND MASTERKEY A		
MASTERKEY	Masterkey	Masterkey	Masterkey
AA	AA	AB	AC
↓	↓	↓	↓
Change Key	Change Keys	Change Keys	Change Keys
↓	↓	↓	↓
1AA	AA1	AB1	AC1
2AA	AA2	AB2	AC2
3AA	AA3	AB3	AC3

Traditional Keying Symbols and Terms

Change Key		Individual lock key
Keyed Differently	**KD**	Each lock is set to a different key combination
Keyed Alike	**KA**	Two or more locks set to the same key combination, KA2, KA3, KA4, etc.
Master Key	**MKD**	Operates any given quantity of cylinders with different key changes
Grand Master Key	**GMKD**	Operates all individual locks already operated by two or more master keys
Great Grand Master Key	**GGMKD**	Operates all locks under the various master keys and grand master keys already established
Emergency Key	**EMKD**	Operates hotel locks (A85, D85) having shut out feature which blocks entry by all other keys
Construction Key	**CKD**	Operates all cylinders designated for a temporary period during construction

Cylinder Pins

NORMALLY PACKAGED 100 PER ENVELOPE

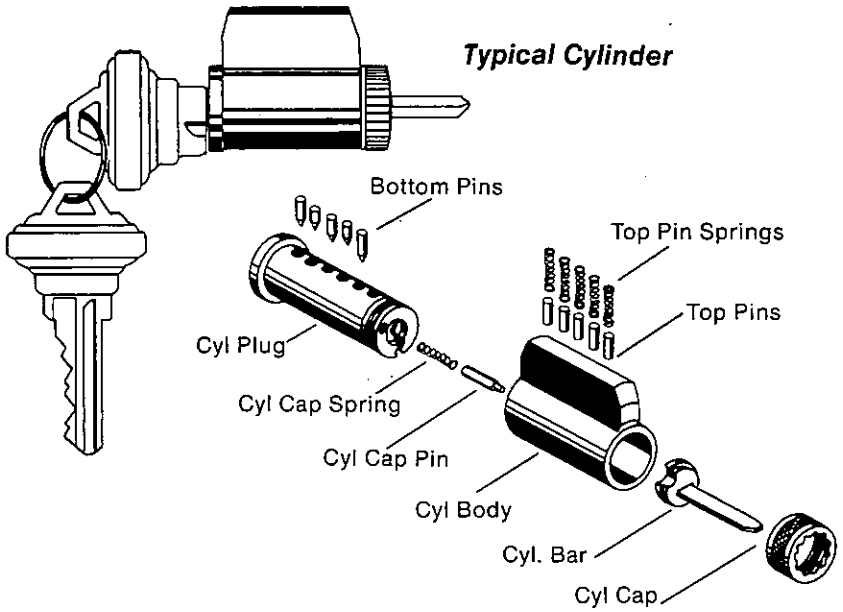
SIZE (Length)	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	
TOP PINS		34-101	34-102	34-103							
MASTER PINS			34-202	34-203	34-204	34-205	34-206	34-207	34-208	34-209	
BOTTOMS PINS	34-300	34-301	34-302	34-303	34-304	34-305	34-306	34-307	34-308	34-309	

How To Key Pin Tumbler Locks

These instructions are for keying locks alike from your stock, rekeying customer's locks and keying locks from your stock to a customer's key. Details are appropriate for any lock that is ***not Masterkeyed*** or a special purpose lock or cylinder.

Stock locks are locks that are not Masterkeyed. Normally all Schlage stock locks are furnished in the "C" keyway with 5 pin keys. Cylinders are keyed 5 pin although they may be either basic 5 pin or 6 pin units. When 6 pin cylinders are 5 pin keyed, the last hole will be vacant.

Typical Cylinder

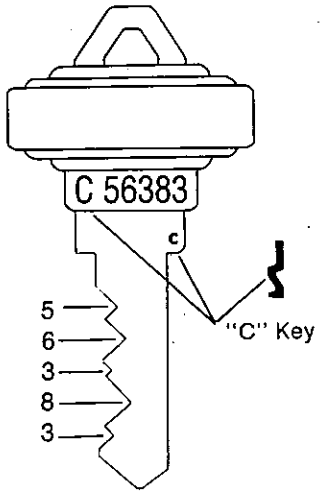


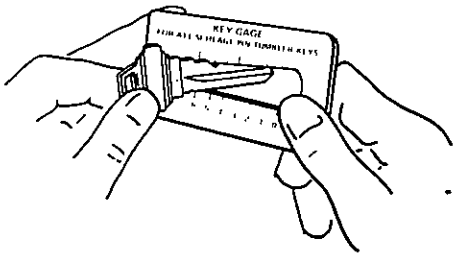
When re-keying a customer's lock make sure it is not Masterkeyed. Any key or keyway other than "C" could indicate the possibility of a Masterkeyed lock ("E", "EF", "F", etc.). See # 17.

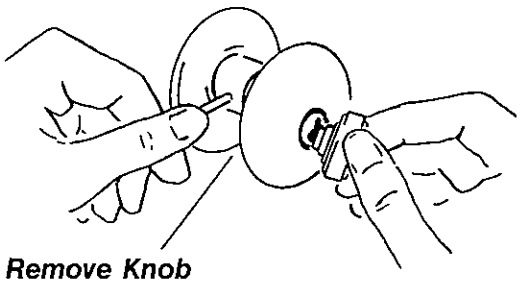
When Keying a lock to a customer's key the key should not be excessively worn. If in doubt use a key gage (40-104, formerly 1023). If any part of the key lines up with the gage combination mark, it is okay. Note: it is possible to key a lock to a worn or miscut pattern key. However, you cannot be sure other keys will operate unless they are good duplicates of the pattern keys. It is also important to know that some "look alike" keys (non-Schlage) vary in dimensions and may not work properly.

Key combination identification

The 5 or 6 digit combination numbers stamped on the bow of each key represent the depth of the corresponding cut starting from the bow end. Each digit also indicates the individual bottom pin size.







Remove Knob

Knob catch hole always on latch bolt side of knob hub cap

1 ***Must have key that operates the lock***

to remove knob from lock and to be able to disassemble the lock cylinder.

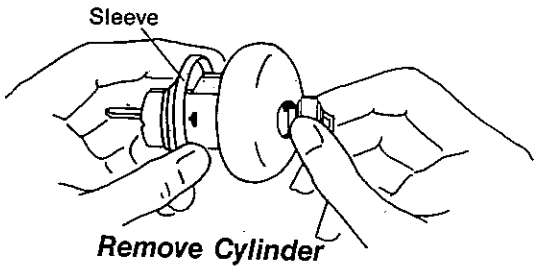
2 ***Remove knob from lock***

"A", "D", "F" and "H" series cylinder knobs are removed by the same basic procedure:

Place inside button in locked position. This is to hold outside knob stationary so when key is turned, just the cylinder bar will turn and allow knob catch to be depressed.

Insert key in cylinder and point of spanner wrench, awl or similar tool in hole in outside hub cap.

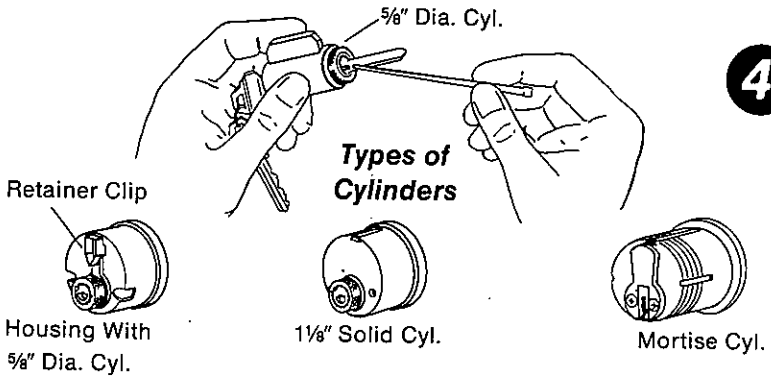
Turn key clockwise approximately one-quarter turn and at the same time exert pressure on wrench until knob catch depresses. Pull off knob.



Remove Cylinder

3 *Remove cylinder from knob*

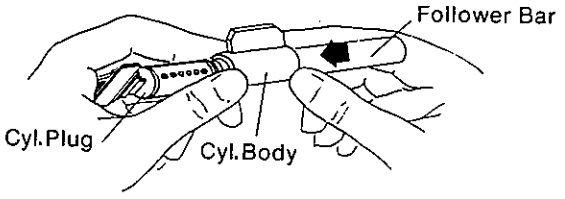
Insert key in cylinder, push or tap key lightly, to move cylinder to rear of knob to free sleeve.



4 *Remove cylinder cap or cam*

Procedures are the same for all cylinders with cylinder caps whether they are 5/8" diameter type or the 1 1/8" diameter solid cylinder.

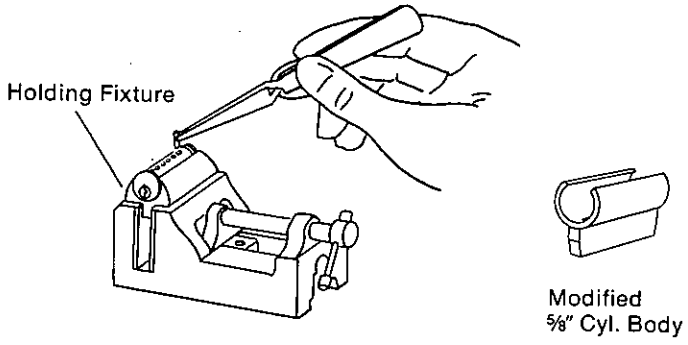
Depress cylinder cap pin with awl, paper clip, etc. and turn cap counter-clockwise.



Remove Plug

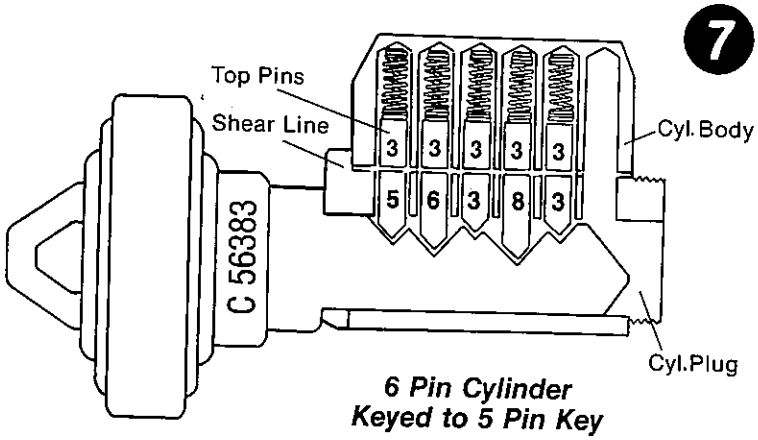
5 *Remove plug from cylinder body*

With key fully inserted, hold follower bar firmly against back of cylinder plug, rotate cylinder plug about 15°, then slide cylinder body onto bar. Push bar through body. Do not ***pull*** cylinder plug out of body as you might release top pins if plug and follower separate (See #16).



6 *Set cylinder body aside and place cylinder plug in holding fixture.*

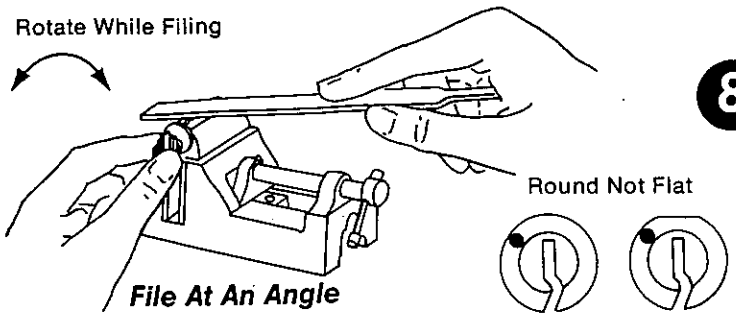
Note: fixture available from locksmith supply house or can be made from old 5/8" diameter cylinder body by cutting or filing off top 1/4". Use a small vise to hold plug fixture while fitting pins to key.



6 Pin Cylinder Keyed to 5 Pin Key

7 *Remove old key and pins. Place new key in plug. Add appropriate pins .*

Add appropriate bottom pins according to number on key. Bottom pins must match shear line with key in place.



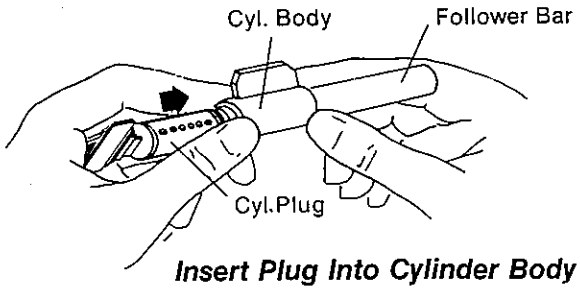
File At An Angle

Warning: Excessive Filing Will Decrease Security

8 ***Pins should conform to circumference of plug.***

Filing should be avoided if at all possible and when done, should be kept to a minimum. Sometimes filing with a fine mill file is advisable to assure correct conformity. File at an angle.

While filing, use key to rotate plug to maintain roundness—do not file the top of the plug flat.



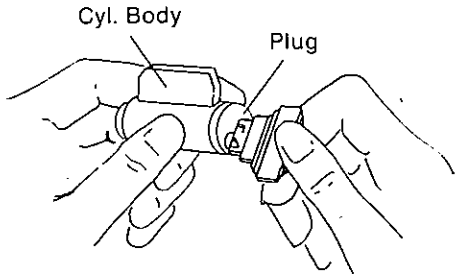
Insert Plug Into Cylinder Body

9 ***Remove key, distribute a pinch of graphite in plug holes. Reinsert key.***

Very little graphite should be used. Excess graphite can affect operation.

10 ***With pins in place and key in plug, insert plug into cylinder body.***

Use plug to push follower bar out of cylinder body. Do not pull follower bar as it may leave a gap between plug and follower bar allowing top pins to drop out of body. (See #16).



Test New Key

11 ***Test new key.***

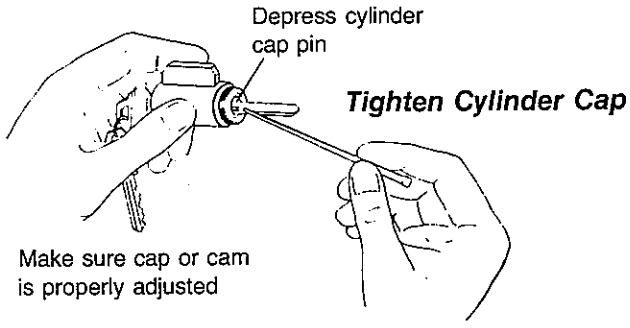
Hold plug and body so that plug will not slip out of cylinder body. Caution: if it does, top pins and springs might drop out and will have to be refitted. (See #16).

Try new key to make sure it works smoothly.

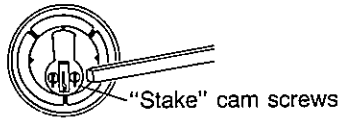
Tightness and clicking sounds indicate some irregularity. Using follower bar, remove plug and recheck level of pins, etc. Longer pins or additional filing might be necessary.

12 ***Remove key.***

Plug will not slip out of body when key is partially (one or two notches) or completely withdrawn.



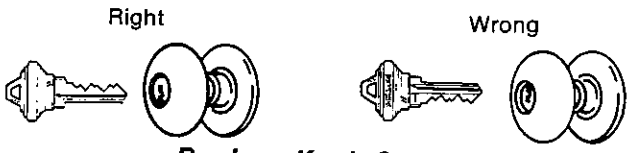
Tighten Cylinder Cap



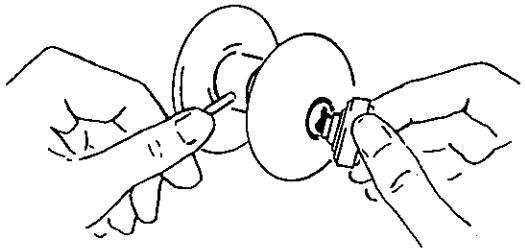
13 ***Tighten cylinder cap or screw on cam so that cylinder works properly and so that key can be withdrawn.***

Depress cylinder cap pin and tighten cap until it is tight, then back off one or two notches. Cap must be properly adjusted. If cap is too loose the key cannot be withdrawn because cylinder plug and cylinder body holes do not line up; if too tight, cylinder will bind. On cylinders with cams, screws should be tightened so cylinder works properly then "stake" screws with a small chisel or similar tool so they will not back out.

Test operation by holding cylinder body so that when key is removed plug can move laterally if cap is not on tight enough.



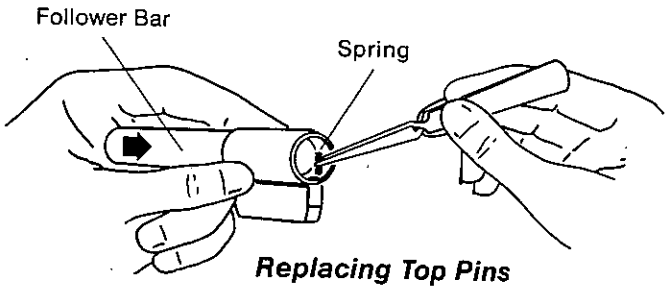
Replace Knob On Lock



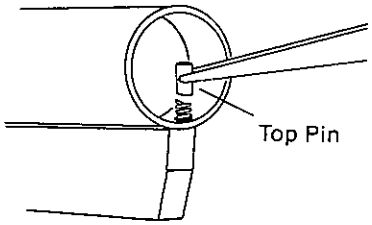
14 ***Replace cylinder in knob.***
(Reverse Step #3)

15 ***Replace knob on lock.***
Withdraw key from cylinder one or two notches. ***The cuts of the key should be in the up position*** to achieve proper "hand" orientation of cylinder when lock is installed on door. Slide knob onto spindle up to knob catch.

Turn key clockwise one-quarter turn, depress knob catch and push knob into position over knob catch making sure knob catch engages in slot in knob shank so that knob will not pull off.



Replacing Top Pins



16 ***Top pins.***
Normally top pins never have to be removed or changed in non-Masterkeyed locks.

If top pins must be changed, make sure you always use new top springs. If you are repinning used cylinders, operation will be improved with new springs and pins (over several years of use original springs will weaken). Also used cylinders should be cleaned as dirt and dust can cause pins to stick.

If during repinning you inadvertently drop a top pin and spring, you will have to replace them. A top-pin loading tool (40-116) is available from Schlage to allow loading all top pins and springs at one time. If no tool is available, top pins and springs can be loaded one at a time using tweezers and the follower bar.

All stock cylinders use one length top pin (#3). Masterkeyed cylinders use as many as three lengths.

---

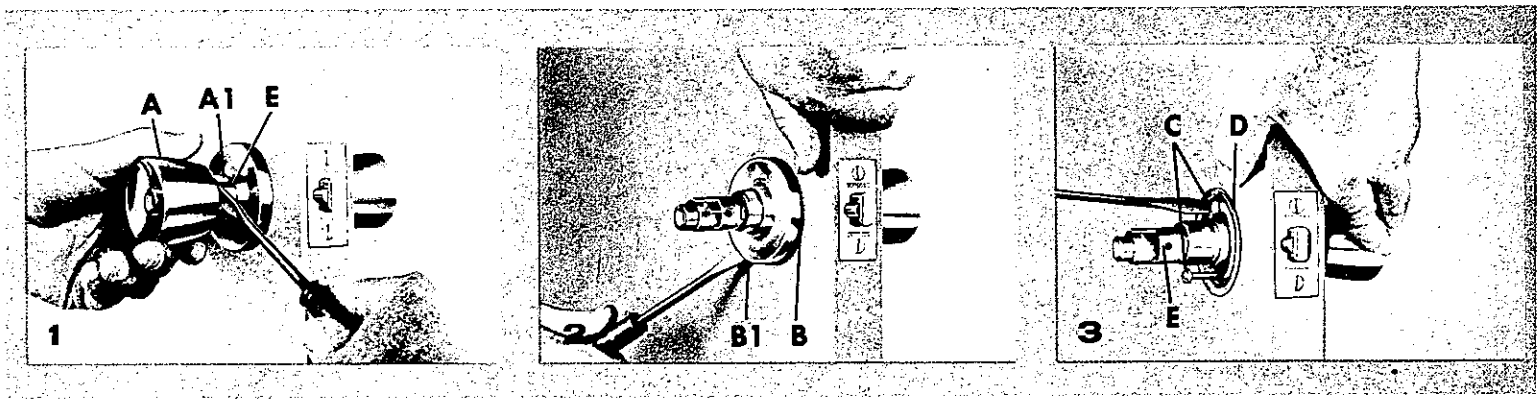
17 ***Masterkeyed cylinder body.***
If you have reason to believe a cylinder has been Masterkeyed (two or more keys with different cuts operating the same cylinder), there is the possibility of additional pins (master pins) being stored in the cylinder body. If this is suspected, you should remove the top pins and springs and reload. Another good practice is to always have the new key in the plug when assembling the cylinder. If too many master pins are stored in the cylinder body you might not be able to withdraw the key; you can still disassemble the cylinder and remove master pins. If you do not have key in plug and put cylinder together, you might not be able to insert the key.

Additional Information on
Lock Service and Parts Is Available

HOW TO KEY WAFER LOCKS

The Schlage wafer keyway unit, after years of research and development, was first marketed in 1927. Eleven hundred and twenty stock keys can be combinated in this keyway and four hundred and eighty different changes are possible with a single master key. It can also be grand master keyed.

DISASSEMBLING AND REMOVING KEYWAY



Step 1 Depress catch (A1) through the hole in the shank of inside knob (A) with a screwdriver to release inside knob from spindle (E).

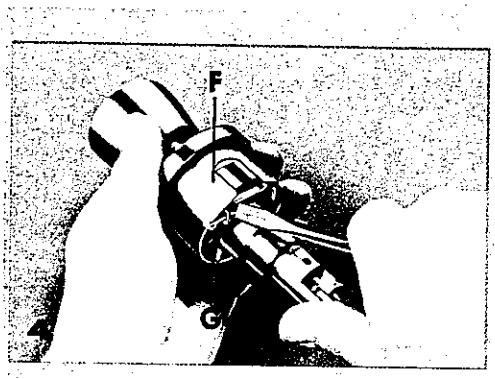
Step 2 With knob removed, position screwdriver into small notch (B1) usually located on the bottom edge of inside rosette (B) and, with prying motion, snap off the inside rosette.

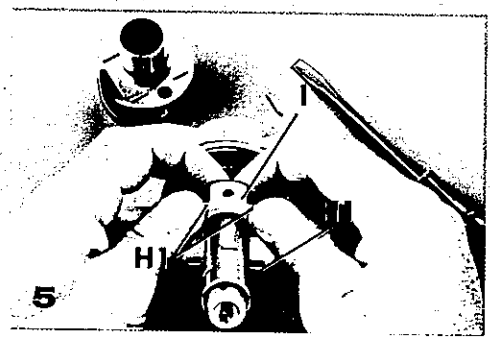
Step 3 Remove the two machine screws (C) and inside mounting plate (D) will slip off over the inside spindle (E). The lock will now slip out of hole.

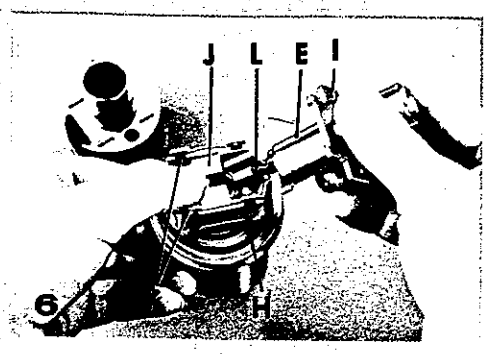
Step 4 The lock housing (F) is attached to the lock by small cotter pin (G) or by twisted lugs. Remove cotter pin (G) or straighten out the lugs. Lift housing above lugs and, with slight turn, rotate housing (F) ¼ inch and remove.

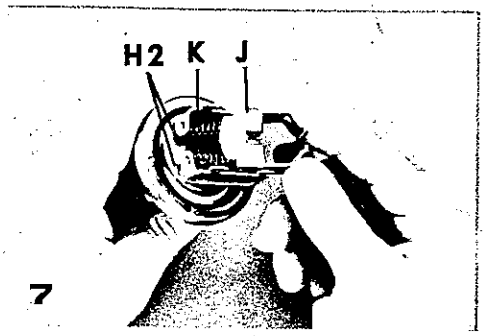
Step 5 With housing removed, the lock frame is now exposed. Hold lock in both hands, positioning fingers as shown in illustration. (When performing this operation, hold palms of hands carefully around lock to prevent springs from escaping the retractor slide.) To remove thrust plate (I), press forward with thumbs against frame tabs (H1), push upward with index fingers against thrust plate. This will disengage plate.

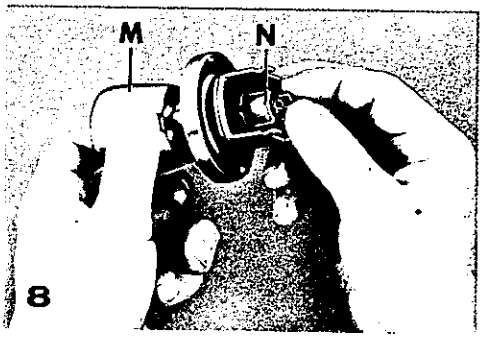
Step 6 In order to free the plunger unit (L) as you remove this assembly, it is necessary to push the slide (J) all the way to the rear against the compression of the two slide springs (K) and hold down on the slide with the thumb.

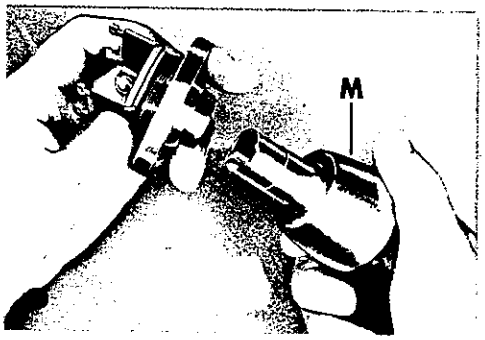












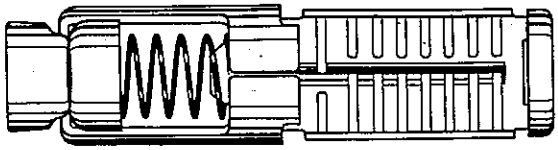
Step 7 After the inside spindle (E), thrust plate (I), and plunger assembly (L) have been removed, let the slide (J) and two slide springs (K) ease forward gradually and remove them from the lock frame (H).

Step 8 To remove wafer keyway unit (N) from lock, push in on face of the wafer keyway unit from the outside knob (M). Unit will then slide inward, where it can be removed from the knob assembly.

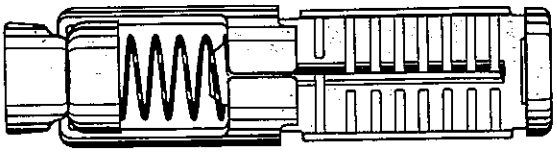
Step 9 To facilitate reassembly, remove outside knob (M) from lock frame by rotating knob ¾ of a turn while pulling out.

TYPES OF KEYWAY UNITS

Schlage wafer keyway units are made in two distinct types, type 1 and type 2. To distinguish between these two types, look first at the master wafer column. In type 1 the elongated slot will be at the top. Type 2 keyway has the elongated slot of the master wafer column below the "V" groove.



TYPE 1

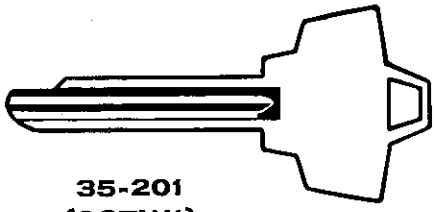


TYPE 2

TYPES OF KEYS

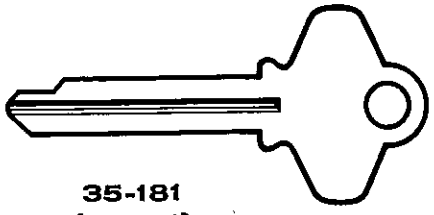
As there are different types of keyways, there are also different types of keys.

These can be recognized by looking at the tip to see which portion above or below the "V" groove has been cut away when the key is oriented with the "V" groove pointing away from you. If the portion above the "V" groove has been cut away, this is a type 1 key. If the portion below the "V" groove has been cut away it is a type 2 key. If the tip is uncut it is a type "0" key, usually used as a master or grand master key.

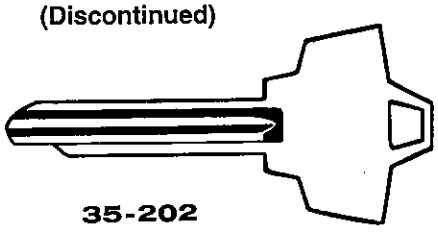


35-201
(927W1)
(Discontinued)

TYPE 1

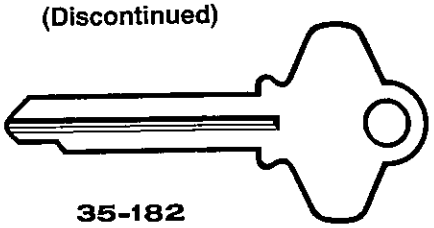


35-181
(920A1)
(Discontinued)

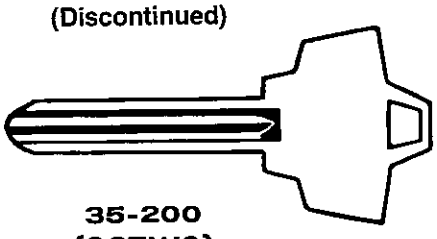


35-202
(927W2)
(Discontinued)

TYPE 2

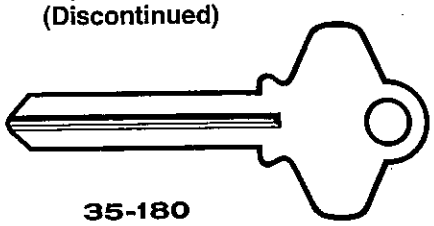


35-182
(920A2)
(Discontinued)



35-200
(927W0)

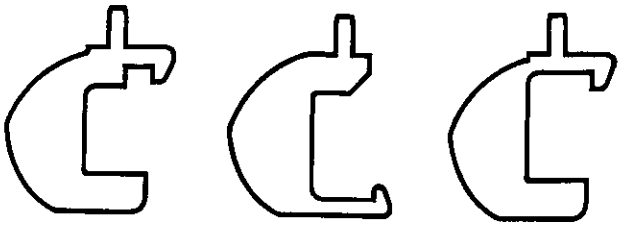
TYPE "0"



35-180
(920A0)

WAFERS

To more easily recognize the three types of wafers, always arrange them so that the small protrusion is upward and the opening is to the right. Notice that each of the three types has a definite silhouette. The master wafer (N5) has a notch cut out at the base of the protrusion just inside of the spring seat. The combination wafer (N8) has a protrusion on the rounded shoulder opposite the spring seat location. The series wafer (N9) has the protrusion at the top of the wafer, close to the spring seat but does not have the small notch, as does the master wafer (N5). Each of these wafers performs in a different manner and it is most important to recognize each type before it is inserted in the keyway unit.



N5 **N8** **N9**

MASTER A501-058 **COMBINATION** A501-060 **SERIES** A501-059

OPERATION OF THE KEYWAY UNIT

Here are two wafer keyway units set to the same combination. Figure 1 is in the relaxed position or with the key out of the keyway. Figure 2 has the proper key inserted. Notice in Figure 1, there are four protrusions of the wafers, one at the bottom and three at the top. The first protrusion to the right of the plunger spring (N3) is the master wafer (N5). This remains out except when it is retracted by the uncut portion of the tip of the key, which is designated in red. The cut portion of the tip is necessary to allow full insertion of the key into the keyway. The three protrusions (N9) at the top of the keyway are the series wafers. When the key is inserted, the uncut portion opposite the protrusion (indicated in red) acts upon the series wafers to pull them into the keyway.

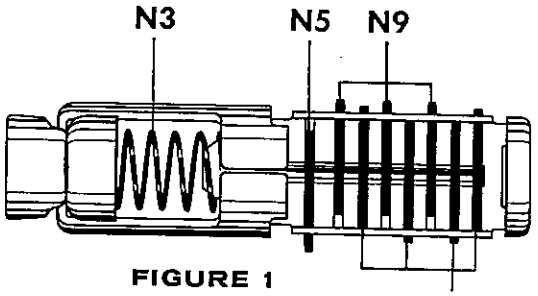
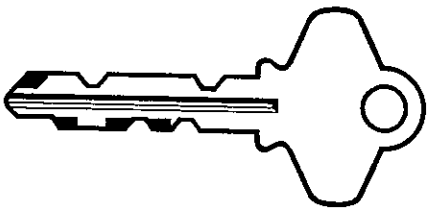


FIGURE 1



The remaining four wafers (N8) in the keyway are combination wafers. Both in the relaxed position (Figure 1) and with the key inserted (Figure 2), these wafers lie within the confines of the keyway unit. Therefore, cuts on the key adjacent to their protrusion are required to prevent them from being pushed out into the locking position. An improper key will fail to draw back all the protrusions of the master and series wafers and will extend some or all of the protrusions on the combination wafers.

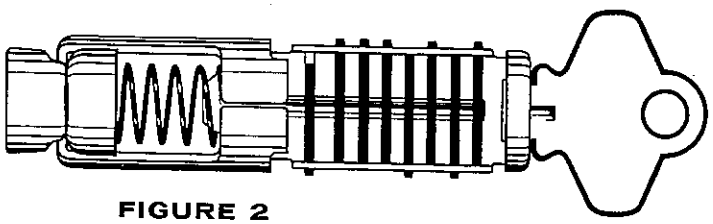


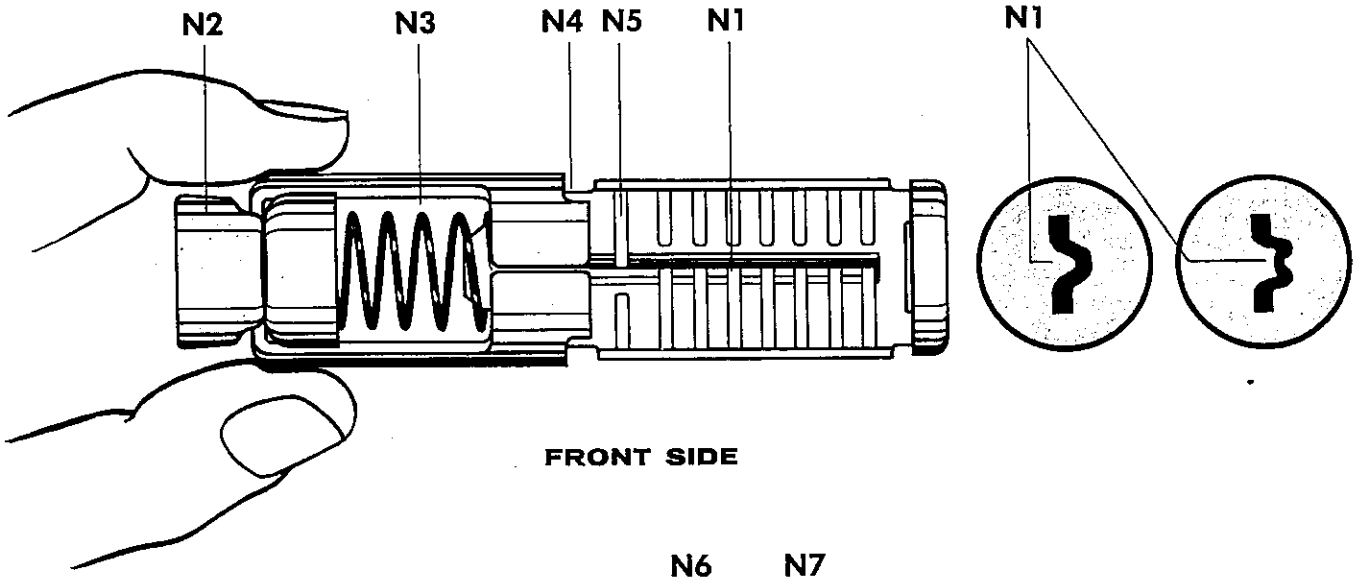
FIGURE 2

THE WAFER KEYWAY UNIT
Description and Terminology

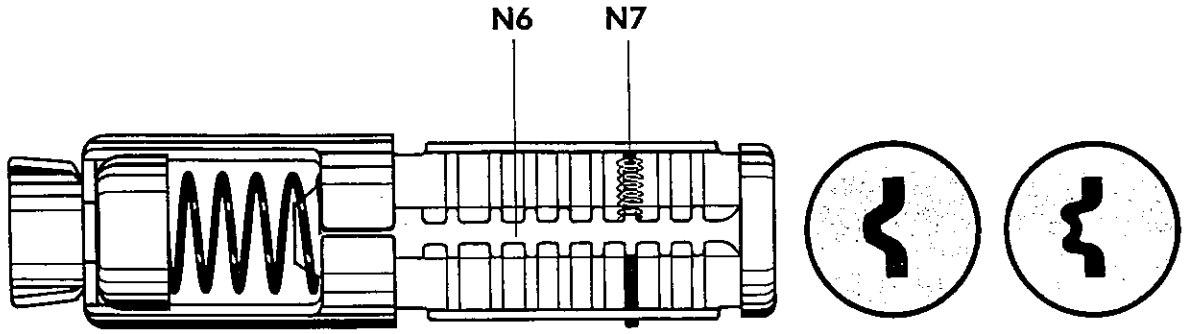
In working with the wafer keyway unit, hold it in the left hand with the "V" grooved dividing strip (N1) facing you. In this position, the spring comb is on the underneath side and cannot be seen. The protrusion at the extreme left is the keyway cam (N2). The most common form of this cam is illustrated below. To the right is the plunger spring (N3). Next to this is the keyway frame (N4) which includes the entire steel area from the plunger spring to the finished cap of the keyway unit. In this steel framework are located the wafers which are activated by the insertion of the key.

The first column (N5) to the right of the plunger spring, containing two slots is the location of the master wafer. Notice that the slots in this column have a different proportion than do the rest of the columns in the keyway frame. In the remaining columns, the top slot is shorter than the bottom slot in this particular unit. In some units, the relationship of these slots is reversed, the long on top and the short on bottom.

On the reverse side of the keyway unit, notice that there is a metal spring rack (N6) illustrated below, which looks like a comb and upon which are seated the wafer springs (N7).



FRONT SIDE



REVERSE SIDE

KEYWAY CODING

As explained before, the first column to the right of the plunger spring is the master wafer column. Its proportions give a clue as to the type of keyway with which we are dealing. In illustration "A" at right, you notice the longer slot is below the "V" grooved dividing strip, indicating a type #2 keyway.

The 14 slots to the right of the master wafer column are assigned code numbers corresponding to the placement of the combination wafers (N8). The first slot to the right of the master wafer column and located above the dividing strip is given the designation code #1.

The slot directly below this is given the designation code #2. The code numbers alternate between odd and even, continuing to the right of the keyway. All odd numbers are on top—1, 3, 5, 7, 9 and the last two numbers are 1′ and 3′ (read as 1 prime and 3 prime). All the even numbers are located below the dividing strip—2, 4, 6, 8, 0—2′ 4′.

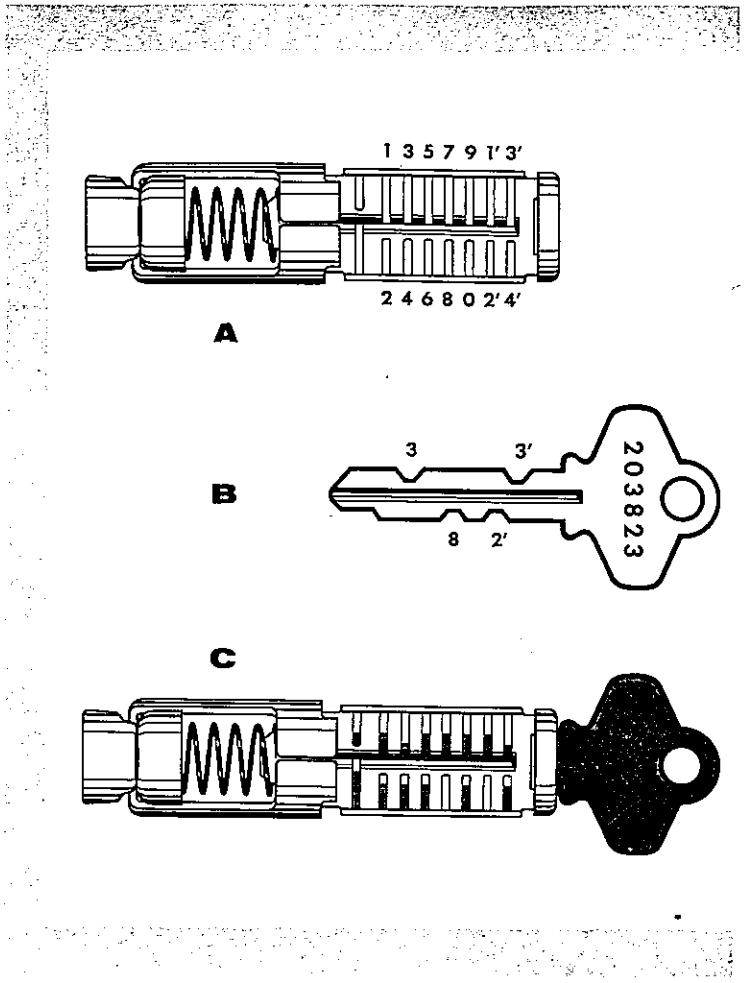
All factory cut keys have a combination number stamped on the bow which indicates the notching on the key.

In illustration "B" at the right, the key carried the number 203823. The first digit indicates a type #2 key with its tip cut away, as explained on page 6. The second digit, in this case 0, indicates a stock key not related to any masterkeyed system. The last four digits indicate the location of the notches cut in the key. These same four digits (3823 in the illustration) also indicate the position of the combination wafers in the keyway since these wafers must rest within the cut away portions of the key.

If a key is not stamped with a factory combination number, take an empty wafer keyway and insert the questionable key to determine its combination number. In illustration "C", at the right, the shank of the key may be seen through the slots in the keyway except at those code locations where the key has been notched.

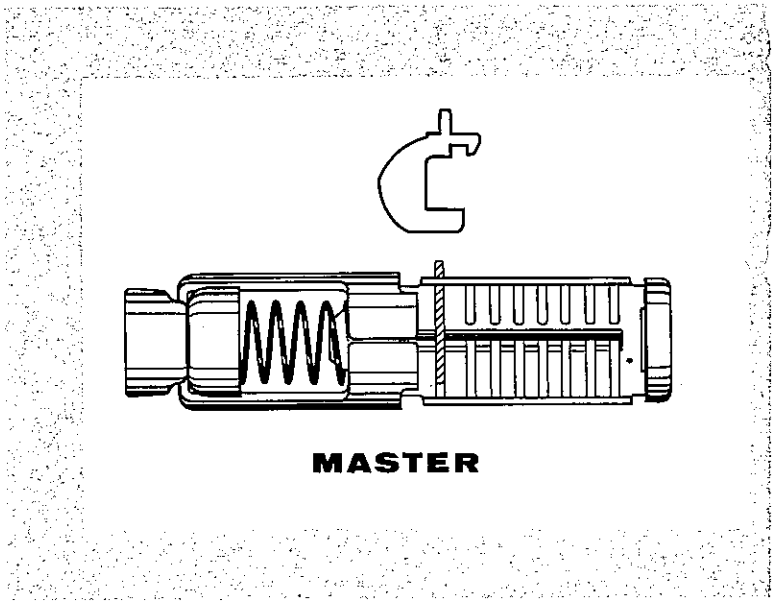
Looking first at the master wafer column, the slot below the dividing strip is unobstructed indicating the tip of the key has been cut away at the bottom. This key is a type #2 (see p. 6). Therefore, the first digit of the combination number would be 2. The second digit of the code number is not related to any cuts on the key and is always 0 for stock (non-masterkeyed) keys. Other numbers are used as the second digit to designate masterkeyed systems, as explained on p. 13.

Next look at the 14 code slots in the remaining seven columns to locate the four cut away portions of the key. In illustration "C" at the right, these cuts occur at code positions 3, 8, 2′, 3′. The complete combination number which would be stamped on this key should be 203823.



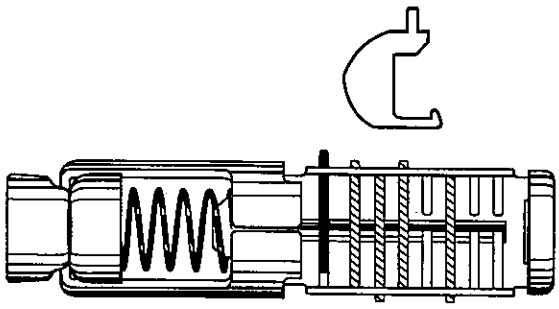
SETTING UP STOCK WAFER KEYWAY

Using the combination number 101450, the first digit designates a type #1 keyway. Select such a keyway and into this, insert a master wafer in the first or master column with the protrusion pointing up. The second digit being 0, indicates this will be a stock keyway unit and should be set up in accordance with the following procedure.

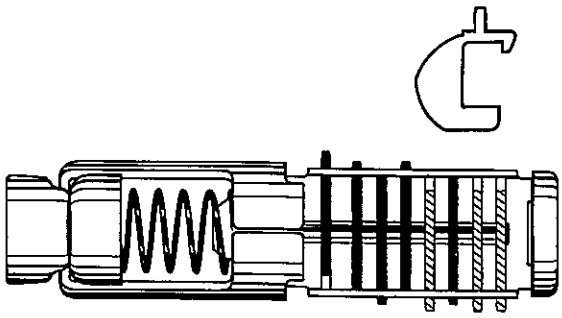


Taking four combination wafers, insert them in the positions indicated by the last four digits of the combination. The combination wafer is unique in that it may be inserted with the protrusion pointing either up or down in the seven combination columns. The code number designates in which of the 14 slots the protrusion should be inserted. For example, #1 would be inserted point-

UNITS BY COMBINATION NUMBERS



COMBINATION

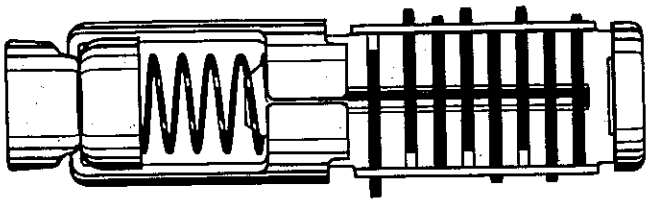


SERIES

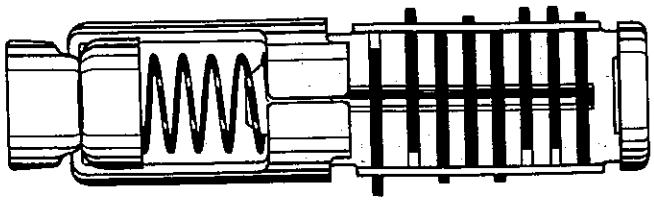
ing upward in the first column after the master wafer column. #4 would point downward in the second column. #5 would be pointing upward in the third combination column and the 0 would be pointing downward in the fifth combination column. After the four combination wafers have been positioned, the remaining three empty columns should be filled with the series wafers. Note that the protrusion of the series wafers can be inserted only in the longer slot of the empty columns. The protrusion of all the series wafers, therefore, will point in the same direction within any one keyway. When springs have been properly attached to all wafers (see page 12), the keyway unit is then ready to be operated by a key cut to combination 101450.

KEYING ALIKE WAFER KEYWAY UNITS

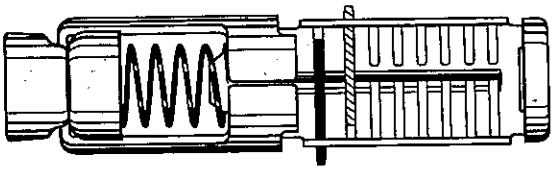
Frequently it becomes necessary to alter the combinations of one or more stock keyway units to exactly match that of another. The procedure used to accomplish this is termed "keying alike" and should not be confused with "masterkeying" which is discussed on page 13.



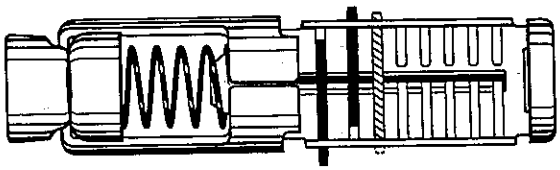
203823



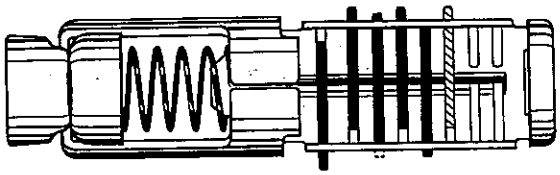
204583



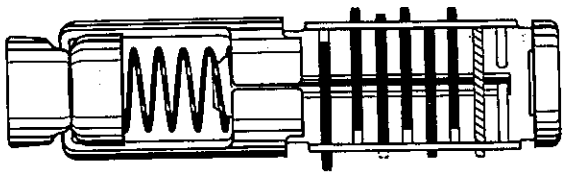
First Column—no change is necessary.



Second Column—invert combination wafer so that protrusion extends through the #3 code slot.

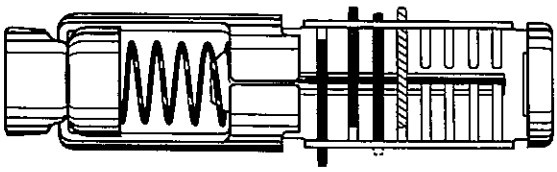


Fifth Column—no change is necessary.

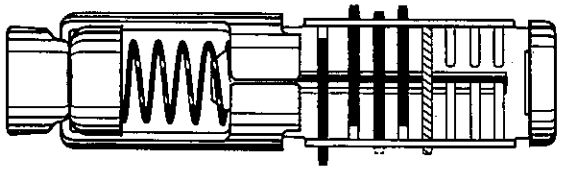


Sixth Column—replace series wafer with combination wafer — protrusion to extend through #2′ code slot.

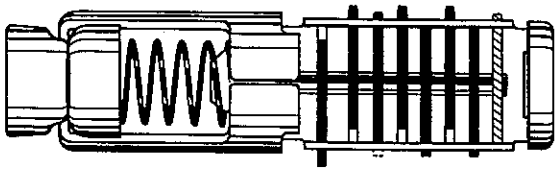
One of the simplest methods of keying alike a group of stock wafer keyway units of the same type, either type #1 or type #2, is to put one aside as a control, empty the series and combination wafers from the others, then "set up" these units to the code combination of the control keyway, using the procedure explained on pages 8 and 9. An alternate method involving fewer operations consists of rearranging only those series and combination wafers in the random keyways which differ in position from those located in the control keyway. Illustrating this method, we first select two keyway units of the same type—type #2 in this example. The keyway coded 203823 will be used as the control. Next, examine the seven combination columns to determine what rearrangement of the wafers is necessary to match the random keyway unit to the control keyway.



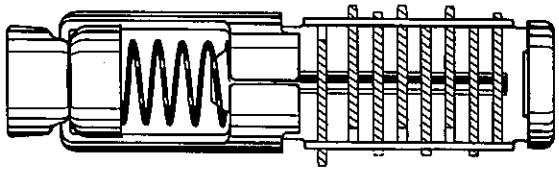
Third Column—replace combination wafer with the series wafer.



Fourth Column—no change is necessary.

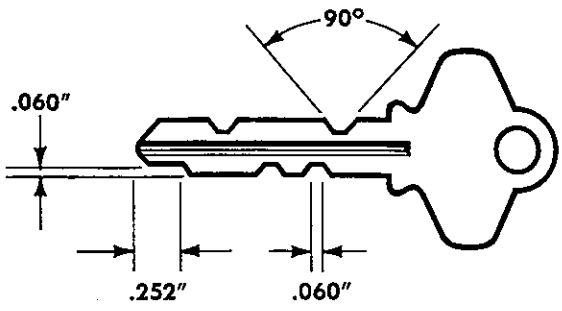


Seventh Column—no change is necessary.



In this typical example, illustrating the alternate method of keying alike two keyway units, only three rearrangements of the wafers were necessary.

CUTTING WAFER KEYS

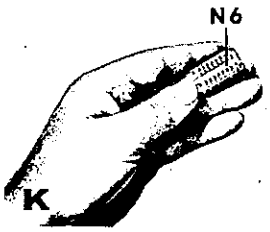


Keys accurately cut from genuine Schlage key blanks insure smooth operation if the dimensions of the notching, as shown on the accompanying illustrations, are closely observed.

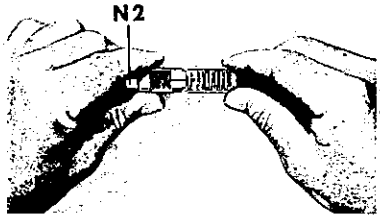
The first operation normally performed on a key blank is to cut away a portion of the tip to correspond to the type of keyway unit with which it is to be used. (Note: key blanks may be purchased with this notch already cut by specifying blanks for type #1 or type #2 keyway units.) All other cuts on the key are made to the same depth of .060" and have the same width .060" at the bottom of the notch. All of the angles in the cuts should have a minimum of 90 degrees.

It is best to use either a factory cut key as the basis for the duplicate, or full cut pattern keys available from the factory. With full cut pattern keys it is necessary to select only those notches corresponding to the specific combination numbers to be cut. After the keys are cut, dress them lightly with a file to remove sharp edges and check the keys in the keyway unit to make sure they operate properly. All the protrusions on the wafers should be flush with the keyway when the proper key is inserted.

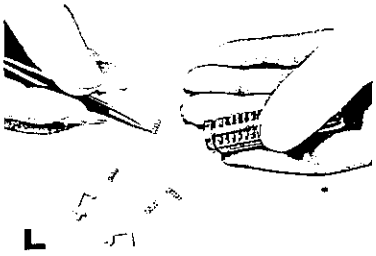
ASSEMBLY TECHNIQUES



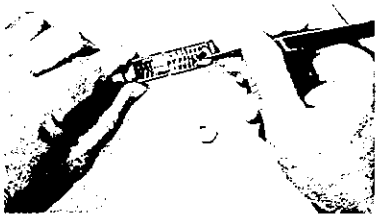
As in illustration "H", always hold the keyway unit in the left hand with the keyway cam (N2) to the left and the "V" grooved dividing strip facing you. Then as you insert the wafers (see "I") you will find the series wafers will only go in the elongated slot of the column. They should not be forced as they will not fit into the incorrect position. All wafers should be inserted in the slots with the protrusion first. This protrusion projects between the two side sections of the steel keyway frame.



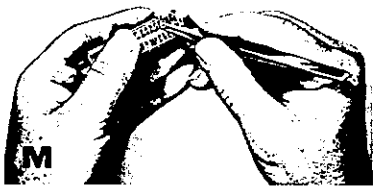
When all of the wafers have been inserted into their proper location, hold the finished cap of the keyway unit with the right hand (see "J") and transfer the left hand so that the first two fingers cover the wafers and hold them in position as you rotate the keyway unit (see "K") to expose the spring rack (N6). If these wafers are not held in position as you rotate the keyway, they may drop out and cause you to rework the setup.



After the keyway unit has been rotated, hold it tightly against the fingers with pressure by the thumb and then exert force downward against the wafers with the index finger to open the distance between the spring rack in the center of the keyway and the spring seat on the wafers, to provide space for the insertion of the wafer springs.



The easiest way to insert a wafer spring is to use a pair of fine needle-nose tweezers (see "L") and grasp the spring at the second coil back from one end. Holding it in this position, you can guide the free end of the spring over the spring rack seat and use the needle-nose tweezers to guide the other end over the spring seat on the wafer.



When all springs have been inserted in the bottom of the keyway, exert pressure upward against the wafers with the middle finger and open the distance between the spring rack and the spring seat on the wafers. Again install the springs, as explained above (see "M"). Take the key (see "N") and run it in and out of the keyway several times as it is important that all springs are fully seated before the keyway unit is reassembled into the lock.

MASTERKEYING

Frequently it becomes necessary to provide a group of locks with keyway units, each having a different and non-interchangeable key, but all having in common one masterkey capable of operating each of the locks in the group.

Combinating locks in this manner is termed "masterkeying" and is quite easily accomplished with Schlage wafer keyway units. To illustrate the principle of masterkeying, consider first, two stock keyway units having combination numbers 203823 and 204823. These units, in common with all other stock keyway units, contain one master wafer, four combination wafers and three series wafers. Their code numbers indicate that these units are identical except for the position of the combination wafer in the second column. This difference is sufficient to prevent interchangeability of their keys but a third key could be cut which would operate both of these keyway units by providing it with notches for both the #3 and #4 combination tumbler positions. In other words, their masterkey would be cut with five notches corresponding to code positions 3, 4, 8, 2 and 3.

This principle of masterkeying can be expanded to include many more combinations. However, as the number increases, it will become necessary to eliminate one or two series wafers from the keyway units. Series wafers cannot be used in any column for which the key has been notched since it is the unnotched portion of the key which retracts the series wafer. At no time should a keyway unit be set up without any series wafers, as this decreases the security of the masterkey system.

One method of laying out a masterkeyed system involves five basic steps:

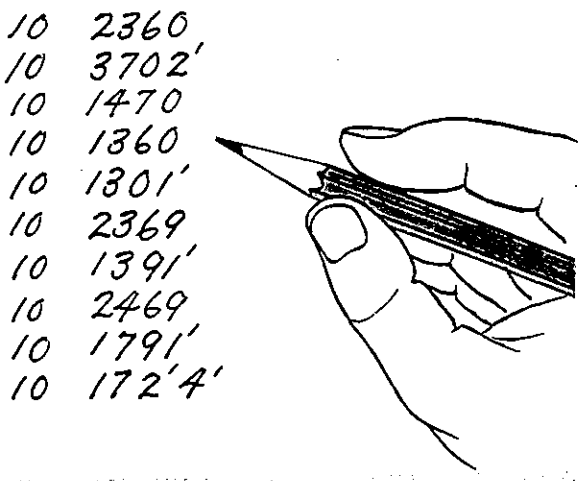
Step 1 Select the required number of keyway units, all of which should be either type #1 or type #2. (If more than 240 keyway units are required, refer to page #18 under "Extended Masterkey Systems".)

Step 2 Of the seven columns available, arbitrarily select either 3, 2 or at least 1 column which will be reserved in all keyway units for the placement of series wafers. 16 masterkeyed units are available with 3 columns reserved for series wafers. 80 masterkeyed units are available when 2 columns are reserved for series wafers. 240 masterkeyed units are available when 1 column is reserved for a series wafer.

Step 3 List the code numbers of all the slots in the remaining columns. These slots are available for the placement of the four combination wafers. These code numbers also represent the cuts in the masterkey which will operate all the keyway units having combinations determined by the procedure given in step #4.

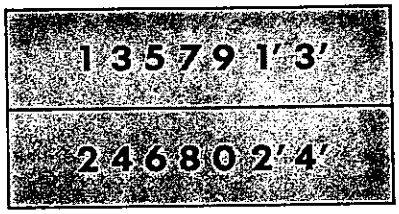
Step 4 Utilizing the digits obtained in step #3, tabulate a list of four digit combination numbers. Although each column contains two code slots, it can accommodate only one wafer. Therefore, be careful to select not more than one digit from any available column.

Step 5 Using the code numbers determined above, follow the procedure given on pages 8 and 9 and set up the masterkeyed keyway units, placing series wafers only in those columns reserved in step #2.



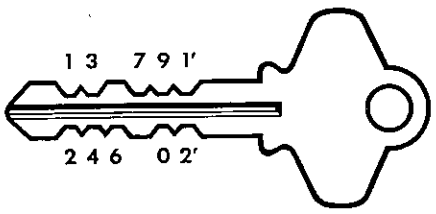
A

6604430



3240521

B



C

There is an alternate method of masterkeying which is particularly useful when there is at hand a number of assembled stock keyway units, or a supply of factory numbered stock keys.

The following seven basic steps illustrate this method:

Step 1 Select approximately one-third more keys or keyway units (all of one type) than your anticipated needs and list their combination code numbers as illustrated to the left. (Illustration A).

Step 2 In this method, only one series wafer is used, so in order to determine which column should be reserved for its placement to best utilize the maximum number of listed keys or keyway units, represent the keyway unit by drawing a rectangle and indicate the 14 slots by writing in their appropriate code numbers (see illustration B).

Step 3 Above and below the rectangle and opposite each slot code number, write the figure which indicates the frequency of occurrence of the particular code number in the list of combinations (see illustration B).

Step 4 Mentally add the two figures in each column outside the rectangle obtained in step #3 and determine the column having the lowest sum. This column will be the best location for the placement of a series wafer in all keyways selected to be masterkeyed. In the illustration B, the 7th column with a sum of one is the most desirable location for the series wafer.

Step 5 Review the list of combination code numbers and strike out as impractical all combinations which contain digits corresponding to code slots which are located in the column selected in step #4. In the illustration, a combination 101724 would be eliminated since it contains the digit 4′, the code slot for which is in the 7th column.

Step 6 The required quantity of keyway units to be masterkeyed should now be selected from the remaining group of combination code numbers. Remove from each of these selected units, the two series wafers which are not located in the column reserved in step #4. Each of these keyway units may still be operated by its own key, but now, in addition, they all can be operated by a masterkey.

Step 7 The masterkey which will operate these units is made by notching the key only at each location where a combination code number occurs. The remainder of the key must be left unnotched. In the illustration C, the masterkey would be notched at combination code locations 1, 2, 3, 4, 6, 7, 9, 0, 1′, 2′.

MASTERKEY STAMPING

Some specific designation, such as the letter "M", should be stamped on the bow of the masterkey. Factory cut masterkeys are stamped with a registry number prefixed with the letter "R". This number is an index to the factory records which contain detailed information, such as the job name, location and the combinations controlled by this masterkey. Factory cut change keys which operate the individual keyway units in a masterkeyed system are stamped with a combination number. This number has the same meaning as that stamped on stock keys (see page #7).

The 2nd digit, always "0" on stock keys, now assumes the number of the column in the keyway which contains the series wafer. Stock keys whose keyway units have been converted into masterkeyed units should reflect this change by overstamping the 2nd digit with the appropriate number 1 through 7.

Occasionally it becomes necessary to provide two or more groups of masterkeyed keyway units with each group having its own masterkey and, in addition, a key called a grand masterkey which would operate the keyway units in all the groups. One method of laying out a grand masterkey system involves seven basic steps.

Step 1 Select either type #1 or type #2 keyway with which to build the system.

Step 2 Of the seven columns available, arbitrarily select one column which will be reserved in all keyway units for a series wafer.

Step 3 If only two masterkeyed groups are desired under the grand masterkey, arbitrarily select another column which will provide two slots, each of which will be assigned exclusively to a masterkeyed group and is the means for separating the two groups and preventing interchangeability of their keys.

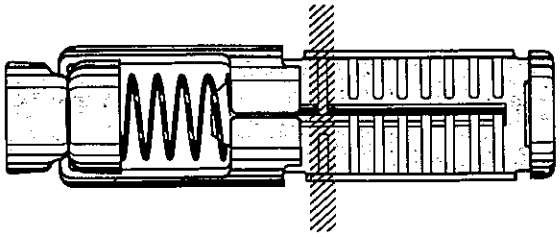
Step 4 List the code numbers of the slots in the remaining five columns.

Step 5 Tabulate a list of four digit combination numbers, each of which must contain one of the unique slot code numbers selected in step #3. The remaining three digits may be drawn from the available code numbers obtained in step #4, but remembering to select not more than one digit from any one available column. This list of combination numbers represents one masterkeyed group.

Step 6 Repeat step #5. However, substitute the other unique slot code number for the one previously used. This list of combination numbers represents the second masterkeyed group. While these two groups may appear similar, their masterkeys are not interchangeable since one will not have.the notch which is necessary to operate that combination wafer which is used exclusively in the other group.

Step 7 The grand masterkey has all of the notches found on both masterkeys and will, therefore, operate all of the keyway units in both groups. This illustration represents but one of a large variety of possible grand masterkeying arrangements. More complex systems or those involving a greater number of masterkeys should be referred to the factory.

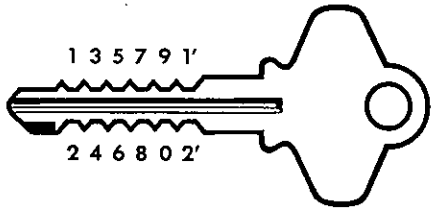
STEP 1



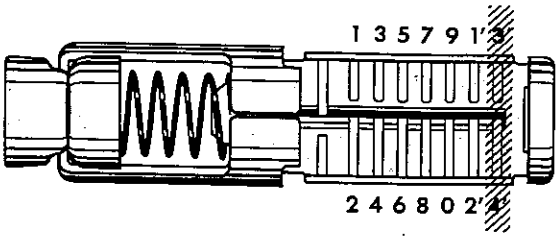
TYPE 1 KEYWAY

GRAND

STEP 7

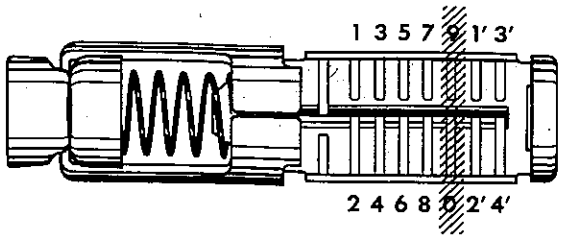


STEP 2



SEVENTH COLUMN RESERVED FOR SERIES WAFERS

STEP 3



ONE SLOT IN THIS COLUMN RESERVED FOR EACH MASTERKEYED GROUP

MASTERKEYING

STEP 4

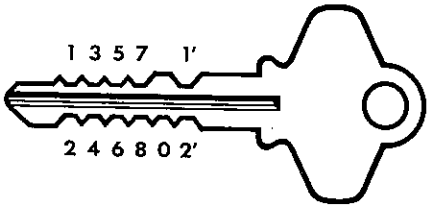
1 2 3 4 5 6 7 8 1' 2'

STEP 6

SECOND MASTERKEYED GROUP

1350	3570
1360	3580
1370	3501'
1380	3502'
1301'	4570
1302'	4580
2350	4501'
2360	4502'
2370	4701'
2380	4702'
2301'	5701'
2302'	5702'

Etc. Continuing To a Maximum of 80 Combinations

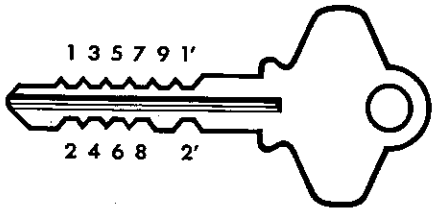


STEP 5

FIRST MASTERKEYED GROUP

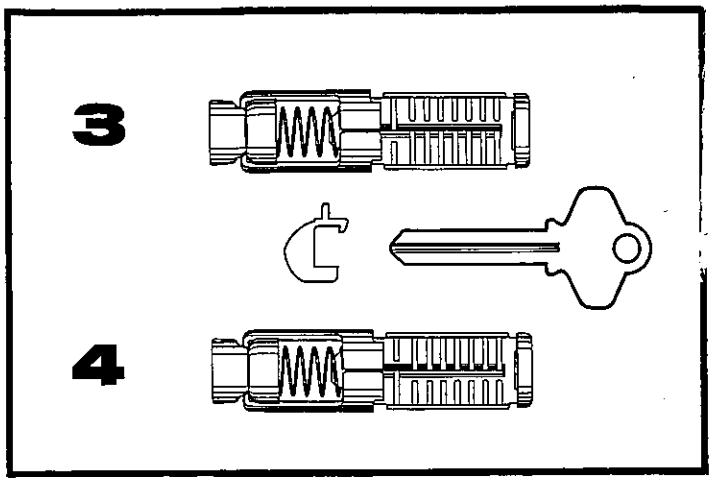
1359	3579
1369	3589
1379	3591'
1389	3592'
1391'	4579
1392'	4589
2359	4591'
2369	4592'
2379	4791'
2389	4792'
2391'	5791'
2392'	5792'

Etc. Continuing To a Maximum of 80 Combinations

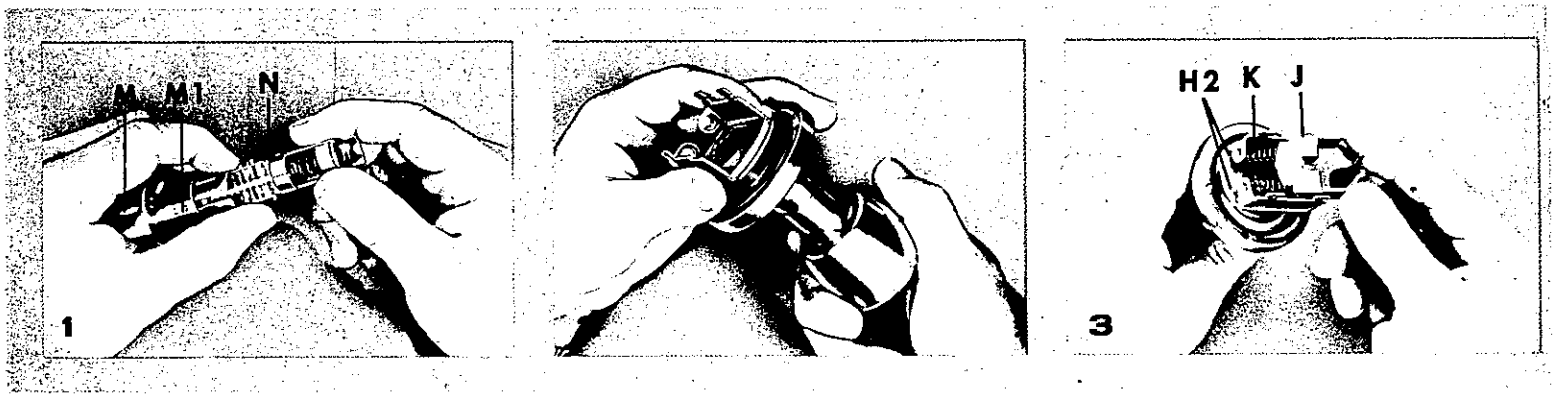


EXTENDED MASTERKEYED AND GRAND MASTERKEYED SYSTEMS

Masterkeyed or grand masterkeyed systems may be doubled simply by utilizing both type keyways (type #1 and type #2) and providing a key capable of operating both. In such an extended system all keyways must be provided with a series wafer in the master column. This does not, in any way, impair the operation of any existing keys. However, it does make possible the use of an additional key (type "0"—see page #6) capable of acting as a master, grandmaster or great grandmaster key. When a type #1 keyway unit is set up with a series wafer replacing the master wafer, both the keyway unit and its key are redesignated as type #3. Similarly, a type #2 keyway unit and its key are redesignated as #4.



REASSEMBLING LOCK MECHANISM

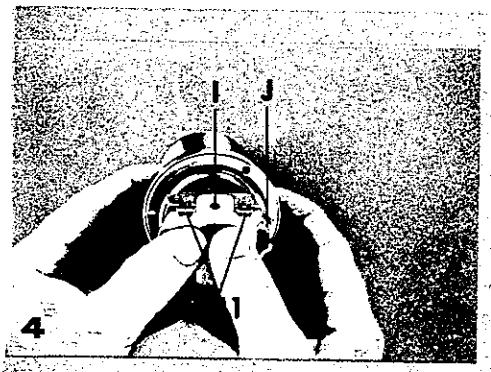


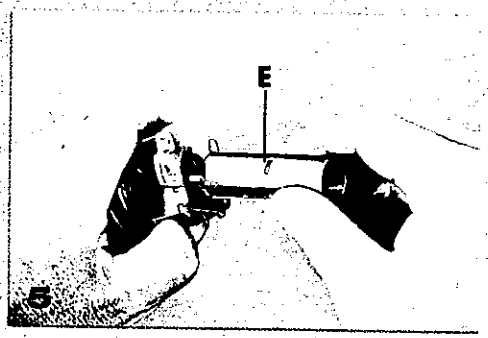
Step 1 Grasp wafer keyway unit (N) in right hand. In other hand, hold outside knob (M) with slot (M1) facing you. Insert wafer keyway unit (N) into outside knob spindle, aligning keyway cam as illustrated in figure #1. Depress wafer protrusions between thumb and forefinger while pushing in the keyway unit until it is bottomed.

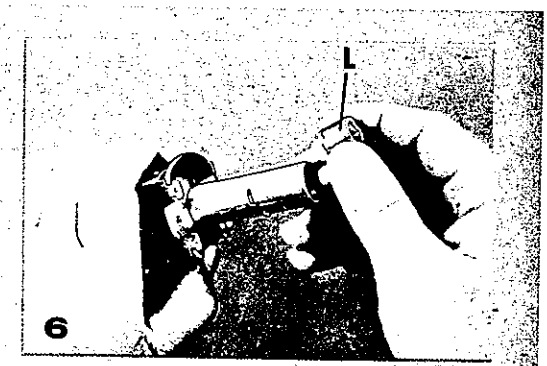
Step 2 Insert knob through outside rosette and frame, pushing and rotating simultaneously until fully assembled. The keyway cam and spindle ears should be positioned at the open end of the lock frame.

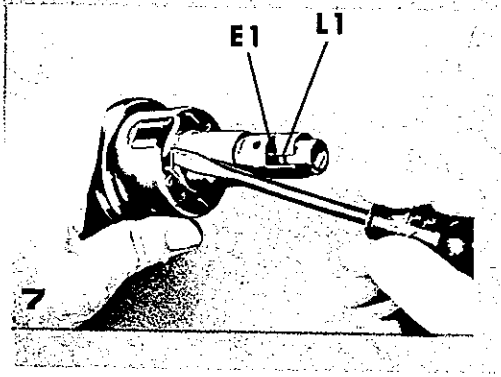
Step 3 Place springs (K) into the slide (J) and assemble both into the frame locating the free ends of the springs on the ears (H2) of the lock frame. Be sure the bridge of the slide is facing you, as illustrated.

Step 4 Replace thrust plate (I) with its curved side over the springs (K) by inserting the bottom side between the bottom tabs of the lock frame and by pressing down snap into position between top tabs (H1).







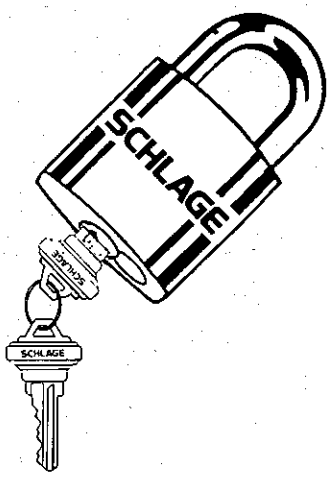


Step 5 With the thumb depress the slide all the way back against the spring tension. Insert empty spindle (E) as illustrated. Release slide and spindle will lock into position.

Step 6 Slip plunger (L) inside empty spindle, making sure that the tab (L1) on turn button aligns with locking slot (E1). Again depress the slide and work plunger in all the way. Release slide and the plunger will lock into position.

Step 7 Replace housing over lock assembly with its opening in line with the jaws of the slide and replace cotter pin. Lock is now ready for installation in the door.

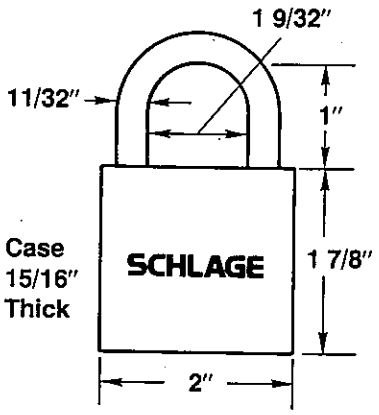
Index

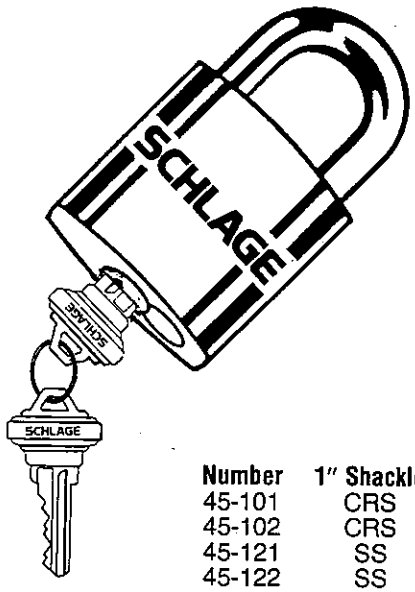


Specifications and Dimensions

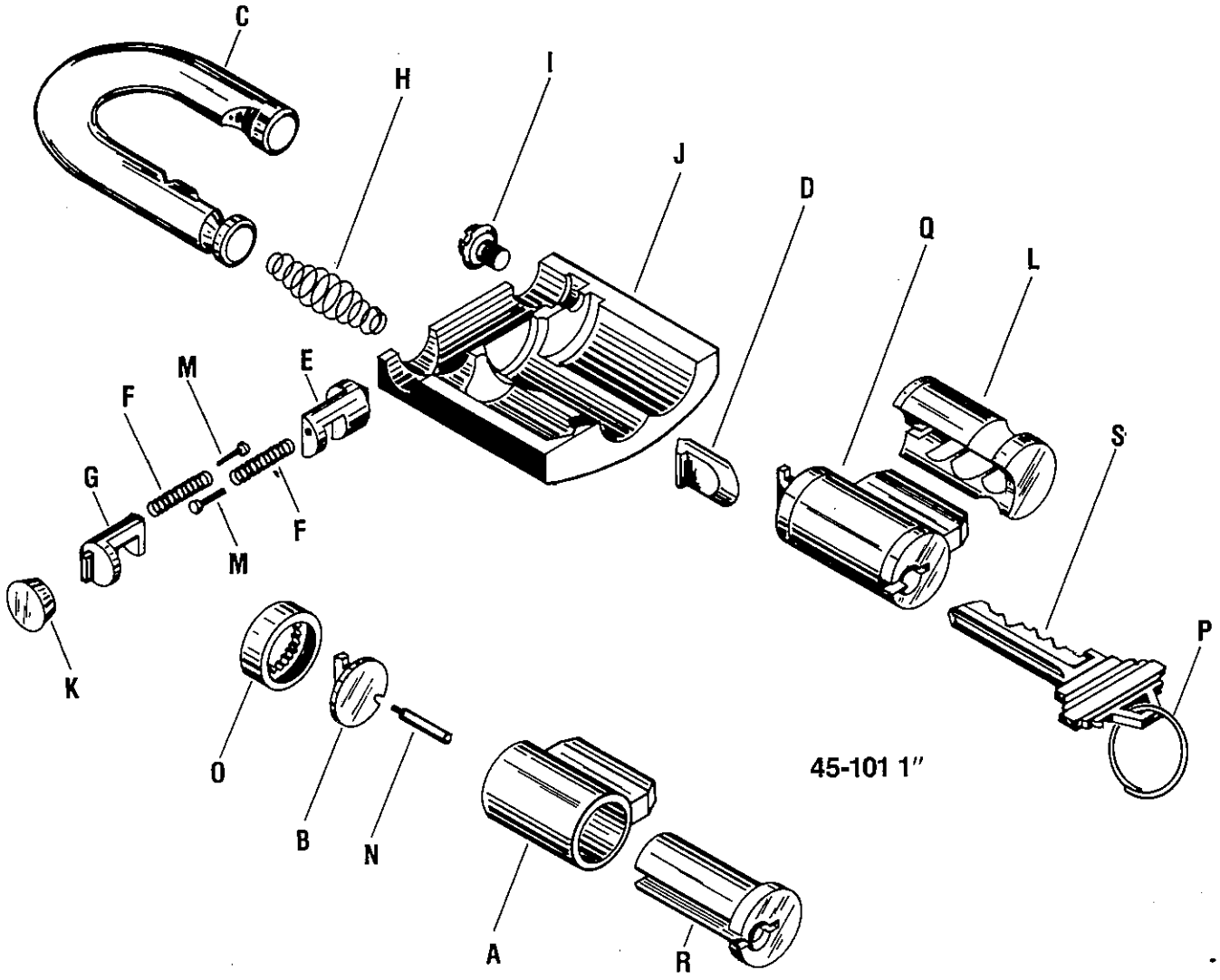
Padlocks

- **Case:** Solid brass, Finishes: 606, 626
- **Shackle:** Case Hardened Steel (CRS) or Stainless Steel (SS).
- **Clearance:** 1″ STD, 2″, 4 available with or without brass chain.
- **Keying:** Removable 6 pin tumbler cylinder, 5 or 6 pin keying.





Number	1″ Shackle	9″ Chain
45-101	CRS	No
45-102	CRS	Yes
45-121	SS	No
45-122	SS	Yes



SHACKLES

SYM	NUMBER	DESCRIPTION
C	B502-458	CRS Standard 1"
	B505-664	SS 1"
	B500-256	CRS 2"
	B500-260	CRS 4"
	B505-667	SS 2"
	B505-671	SS 4"

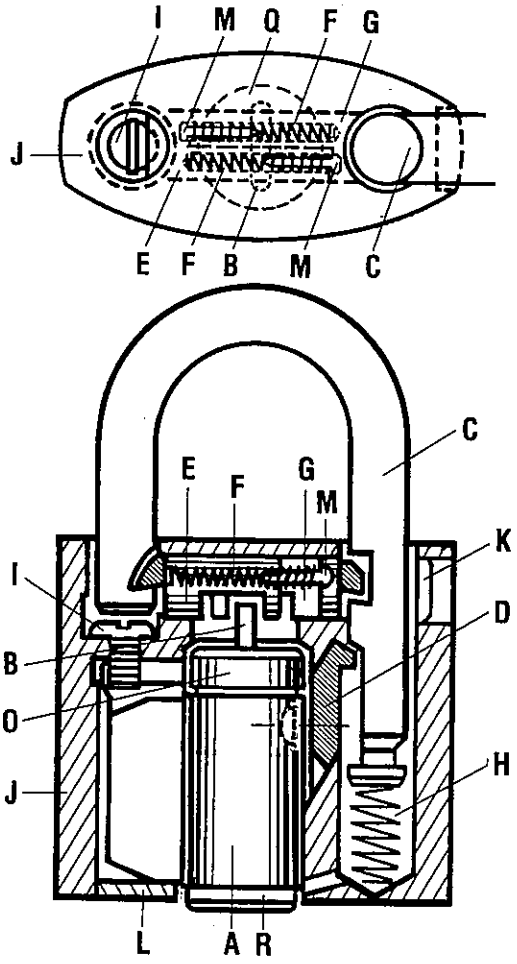
45-101

SYM	NUMBER	DESCRIPTION
A	A501-576	Cylinder Body 6 Pin
B	B502-439	Cylinder Driver
C	B502-458	Padlock Shackle CRS
D	B502-460	Shackle Stop
E	B502-461	Shackle Catch

45-101 (con'd)

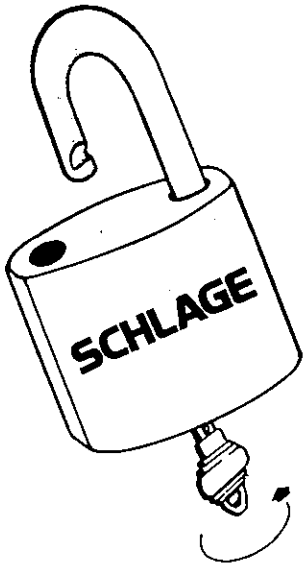
SYM	NUMBER	DESCRIPTION
F	B502-462(2)	Catch Spring
G	B502-476	Shackle Catch
H	B502-478	Shackle Spring
I	B502-519	Set Screw, PH 8-32×¼"
J	B502-551	Padlock Body
K	B502-678	Padlock Body Plug
L	B502-713	Cylinder Retainer
M	B502-739(2)	Spring Pin
N	C503-116	Cylinder Cap Pin
O	C503-118	Cylinder Cap
P	C503-124	Key Ring
Q	28-001	Padlock Cylinder 6 Pin
R	33-006	Cylinder Plug 6 Pin (non-warded)
S	48-101(2)	Cut Key, Embossed, 6 Pin (Specify Key Section)

1. Remove the cylinder and retainer from the padlock using the instructions provided with the lock (Sheet P507-313).
2. Rotate the shackle 180° from the normal locked position.
3. While holding the padlock in an inverted or upside-down position, drive the shackle into the padlock body by hitting the shackle against a solid surface (work bench, wood block or similar surface) or by using a soft face mallet. This will loosen the shackle stop that is wedged and staked into the inside wall of the cylinder cavity in the body of the padlock so that it releases the tip of the shackle.
4. Insert a straight bladed screw driver approximately the same width as the driver piece on the back of the cylinder unit into the cylinder cavity in the padlock body so that the blade goes between the two retracting tips of the shackle catches. Then rotate the screw driver clockwise to retract the shackle catches thereby allowing the shackle to fall or pop out followed by the shackle spring.
5. To replace the shackle first push back, with a small screw driver or similar tool, the shackle catch that engages with the heel or long side of the shackle. While holding the shackle catch back, partially insert the shackle catch spring into the shackle hole so that its tip is approximately flush with the top surface of the padlock body.
6. Next place the heel or long end of the shackle on top of the shackle spring and with one continuous motion (constant inward pressure) insert the long leg of the shackle into the padlock body.
7. Fully lock the shackle into the padlock body (both the heel and toe of the shackle).
8. Reset the shackle stop that was loosened in Step 3 above by forcing it in and down with the aid of a screw driver or similar tool until its exposed surface is either flush or slightly under flush with the inside wall of the cylinder cavity in the padlock body.
9. Finish the shackle replacement by reinstalling the cylinder unit as outlined in the instructions provided with the lock (Sheet no. P507-313).



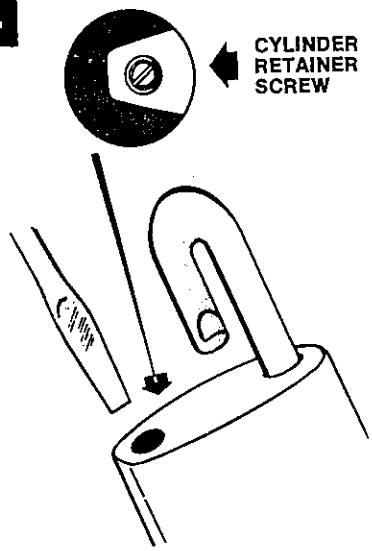
INSTRUCTIONS FOR CATALOG NUMBERS: 45-101 45-102 45-121 45-122

1 UNLOCK PADLOCK



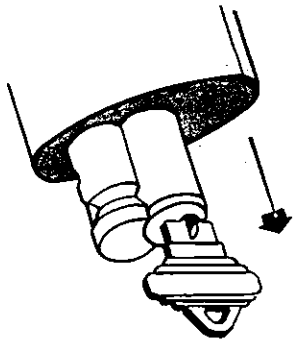
Unlock padlock and swing shackle away from shackle hole. Turn the key clockwise as far as it will go and hold in that position.

2 RELEASE RETAINER

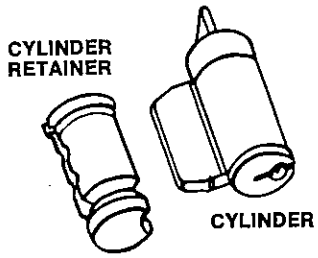


Insert screw driver into shackle hole and unscrew cylinder retainer screw.

3 WITHDRAW CYLINDER



Turn and pull the key to remove cylinder and cylinder retainer from padlock body.

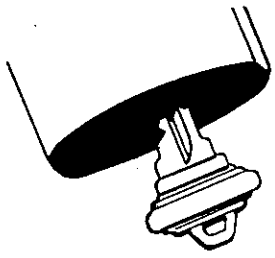


TO REPLACE CYLINDER UNIT

1. With key partly removed from keyhole insert cylinder unit and cylinder retainer in padlock body as far as possible. It may be necessary to insert key and turn slightly to engage cylinder bar with locking mechanism.
2. After cylinder unit is fully seated, turn key clockwise as far as it will go and hold in that position.
3. Insert cylinder retainer screw in shackle hole and tighten securely with screw driver.
4. Remove key and check to make sure shackle closes and locks. (If shackle does not lock, the retaining screw has not been tightened sufficiently.)

IMPORTANT . . .

Note correct position of key hole in illustration below; if key hole is reversed the key cannot be withdrawn.



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