

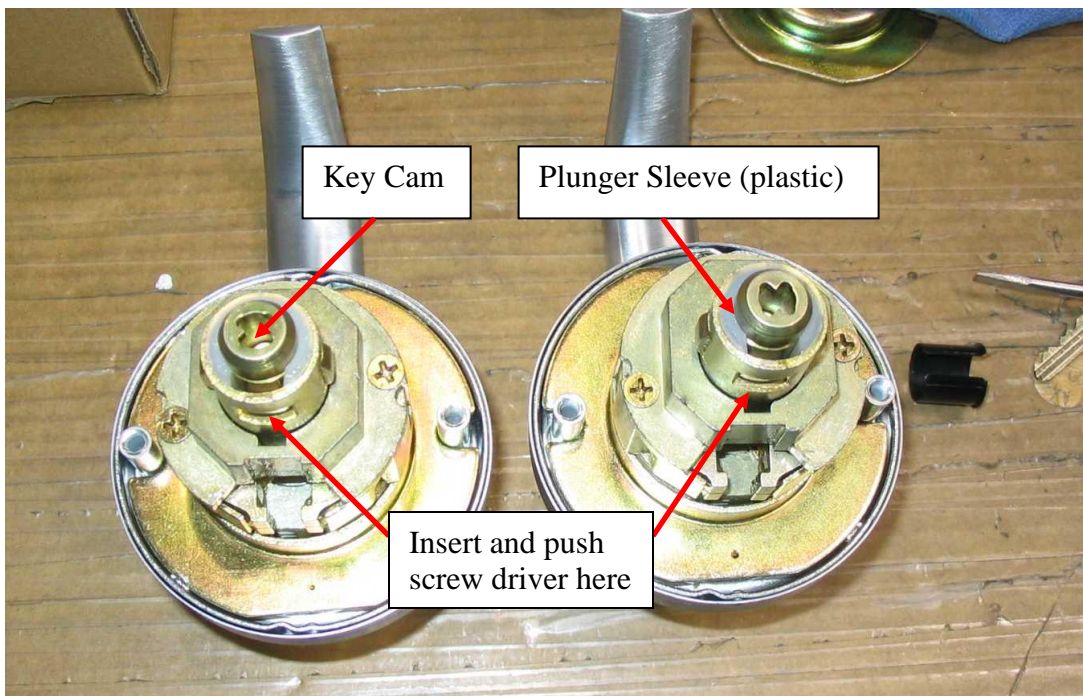
ND75/95 Timing Setting – 08/10/2006

Fact: Additional key rotation should be approximately equal when locking or unlocking, and should be about an 1/8th of a turn either way. To properly inspect timing key cams must be fully rotated counterclockwise until it stops.

Problem: An out-of-time chassis will have almost no additional key rotation in one direction, and have more than 1/4 of a turn in the other direction. Picture below shows the left chassis timed properly and right chassis timed improperly.

Solution: Need to rotate the square plunger bar in the spindle 90°.

1. Remove the Inside Lever, Rose, and Spring Cage. (see picture)
2. Using a flat thin screw driver push on the spindle to release the plunger sleeve and with fingers pull key cam assembly. Key cam assembly is both the key cam and plunger sleeve.
3. With needle nose pliers rotate 90° CW the square plunger bar inside the spindle.
4. Insert key cam assembly back in the spindle and snapping it in.
5. Using the screw driver insert into key cam and rotate key cam clockwise fully, then rotate the key cam counterclockwise until it stops. The key cam must be oriented similar to the lock on the left as shown on the picture.



Timed Properly

Timed Improperly

The chassis on the left is properly timed, and the chassis on the right is out-of-time. Notice the key cam orientation on both. Both Locks have the key cams rotated counterclockwise until it stops.