

The AX exit SHOCK ABSORBER is added for quieter operation

The AX exit versions are now manufactured with an internal SHOCK ABSORBER for touch bar noise reduction. The AX SHOCK ABSORBER is a specially designed version with characteristics that are different than the standard Von Duprin SHOCK ABSORBER. The AX SHOCK ABSORBER reduces the touch bar release noise and maintains the UL Certification as a CBC compliant product.

Summary and Content of this Technical Note

Product –AX models,
Solution – UL Certified CBC Product with AX Label
Warranty – No difference
Part number - 48968176 (AX SHOCK ABSORBER and Housing)
Frequently Asked Questions

Product:

This is a table of ALL the AX Models, as of September 2014,

- The PANIC 98/99 & 33/35A AX models have the AX SHOCK ABSORBER included as of 9/15/2014 production
- The FIRE 98/99 & 33/35A AX models have the AX SHOCK ABSORBER included as of 9/29/2014 production
- 22 devices don't have SHOCK ABSORBERS

Model Number	Function	Options
AX22 (no shock) AX22-F(no shock)	EO, DT, L, LBE, NL	LD, ALK
AX98/99 AX98/99-F	EO, DT,NL, L, LBE, LDT, LNL	CD, CI, DI, LD, SD LX, LXLC, LXRX, LXRXLC, RX, RXLC, RX2 SS, ALK
AX98/9949 LBL AX98/9949-F LBL AX98/9949-F LBLAFL	EO, DT,NL, L, LBE, LDT, LNL	CD, CI, DI, LD, SD LX, LXLC, LXRX, LXRXLC, RX, RXLC, RX2 SS, ALK
AX33/35A	EO, DT, NL, L, LBE, LDT	CD, LD LX, LXLC, LXRX, LXRXLC, RX, RXLC, RX2 ALK, SS
AX33/3549A LBL AX33/3549A-F LBL AX33/3549A-F LBLAFL	EO, DT, NL, L, LBE, LDT	CD, LD LX, LXLC, LXRX, LXRXLC, RX, RXLC, RX2 ALK, SS

Table 1: AX Product Offerings

CONFIDENTIAL – INTERNAL USE ONLY

TECHNICAL Note:

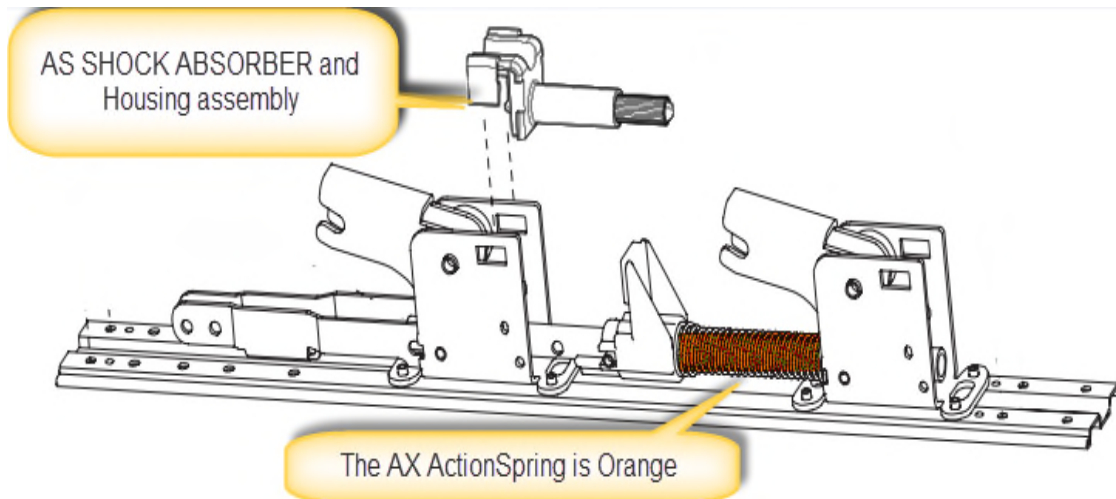
VDI-20141020-B

Solution:

To reduce the touch bar noise the AX versions are now manufactured with an AX specific SHOCK ABSORBER. The new AX SHOCK ABSORBER has characteristics required to comply with the AX performance. The AX SHOCK ABSORBER is different than the standard Von Duprin SHOCK ABSORBER. The AX SHOCK ABSORBER reduces the touch bar release noise and maintains the UL Certification as a CBC compliant product.



Picture 1 - AX SHOCK ABSORBER housing, 9/15/2014



Picture 2 – Visual identification, AX SHOCK ABSORBER and AX Orange Action Spring

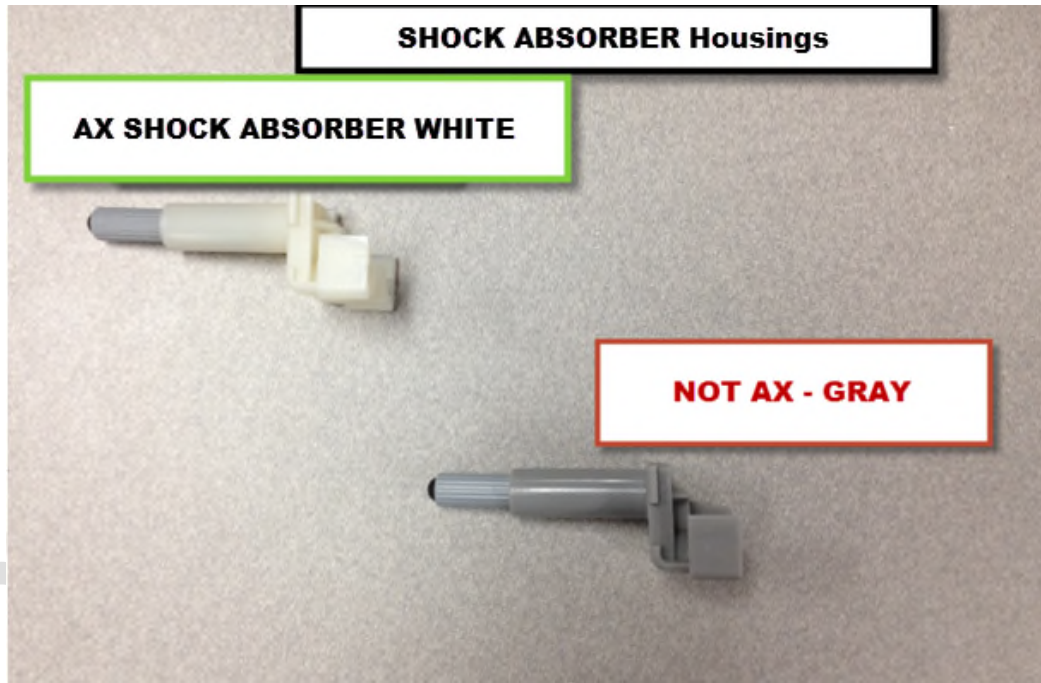
- a) The CBC compliant action spring in the AX base plate is orange.

CONFIDENTIAL – INTERNAL USE ONLY

TECHNICAL Note:

VDI-20141020-B

- b) The AX SHOCK ABSORBER is gray with a white housing, and mounts the same as other SHOCK ABSORBERS



Picture 3 – Visual AX SHOCK ABSORBER identification

Warranty:

- 1) The AX product warranty terms remain the same as all Von Duprin exits. (Parts/Labor)
- 2) The AX SHOCK ABSORBER is offered as a repair part, number 48968176
- 3) No AX “Conversion Kits” are offered, UL & CBC Compliance is for an entire assembly.
- 4) Other than the AX SHOCK ABSORBER, full AX unit warranty replacement is required for the base plate defects.

Production and Sales:

First AX production with the AX SHOCK ABSORBER was **September 15 for panic** and **September 29 for the fire device**.

CONFIDENTIAL – INTERNAL USE ONLY

Frequently Asked Questions:

Q: Who would need an AX SHOCK ABSORBER?

A: If the touch bar release noise of an AX device manufactured before September 2014 becomes an issue during the warranty period the new AX SHOCK ABSORBER, part number 48968176, can be sent to the user to reduce the touch bar release noise.

Q: How do they install the AX SHOCK ABSORBER?

A: The installer can find the appropriate "Parts Manual" to reference the SHOCK ABSORBER assembly drawing; as an example page 8 of PM9899_G

Q: Is the AX SHOCK ABSORBER the same as the old Von Duprin SHOCK ABSORBER?

A: NO, the AX is a unique SHOCK ABSORBER to conform to the CBC ADA requirements. Always repair an AX device with the AX SHOCK ABSORBER number 48968176.

Q: Is the same AX SHOCK ABSORBER used for both AX panic and AX fire?

A: Yes, AX SHOCK ABSORBER part number 48968176 is used for both AX panic and AX fire exit devices.

CONFIDENTIAL – INTERNAL USE ONLY