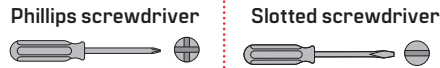


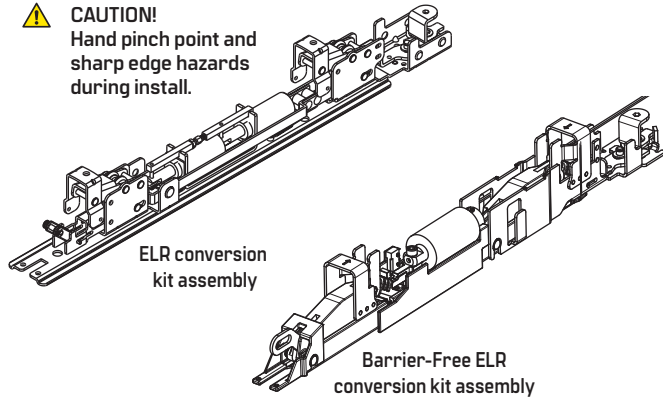
ELR Conversion Kit (STD and BF) – ELRK and ELRKF for Wide Stile Devices NELRK and NELRKF for Narrow Stile Devices Installation Instructions

TOOLS NEEDED:



OVERVIEW

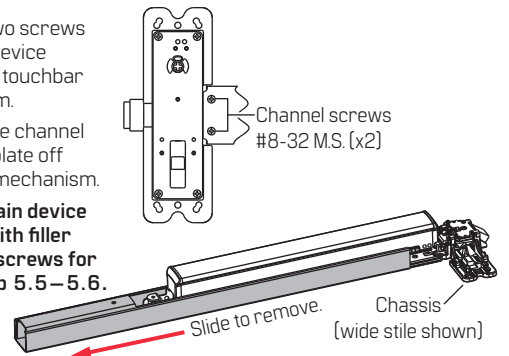
CAUTION!
Hand pinch point and sharp edge hazards during install.



1 REMOVING DEVICE CHANNEL

- 1.1 Remove two screws securing device channel to touchbar mechanism.
- 1.2 Slide device channel with filler plate off touchbar mechanism.

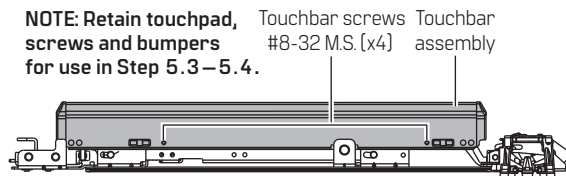
NOTE: Retain device channel with filler plate and screws for use in Step 5.5 – 5.6.



2 REMOVING TOUCHPAD

- 2.1 Remove four screws and, if applicable, four bumpers securing touchpad to touchbar mechanism.
- 2.2 Detach touchpad from touchbar mechanism.
- 2.3 Proceed to "DEVICE CHECK."

NOTE: Retain touchpad, screws and bumpers for use in Step 5.3 – 5.4.



DEVICE CHECK

Standard devices:

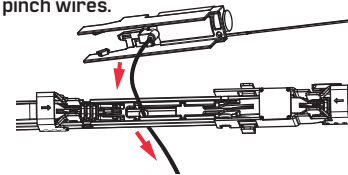
- Complete Steps 3–6.

Barrier-free devices:

- Route ELR wire fully through touchbar mechanism, pulling it through until taut.

NOTICE

Do not pinch wires.

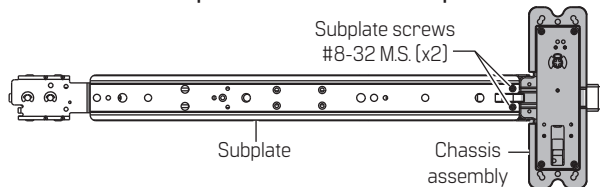


- Position ELR in mounting location within touchbar mechanism, ensuring correct orientation.

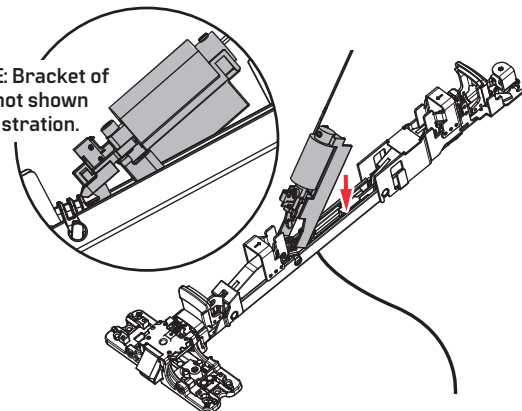
3 REMOVING CHASSIS FROM TOUCHBAR MECHANISM

- 3.1 Remove two subplate screws securing chassis to touchbar mechanism.
- 3.2 Detach chassis from touchbar mechanism.

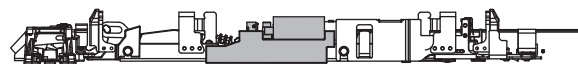
NOTE: Retain subplate screws for use in Step 5.1 – 5.2.



NOTE: Bracket of ELR not shown in illustration.



- Press ELR into place until it is fully seated and secure.



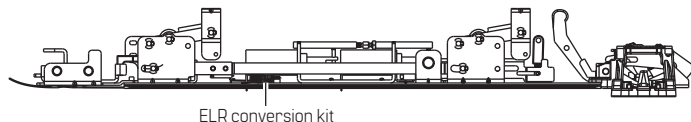
- Complete Steps 5.2–5.6 and Step 6.

4 ADJUSTING

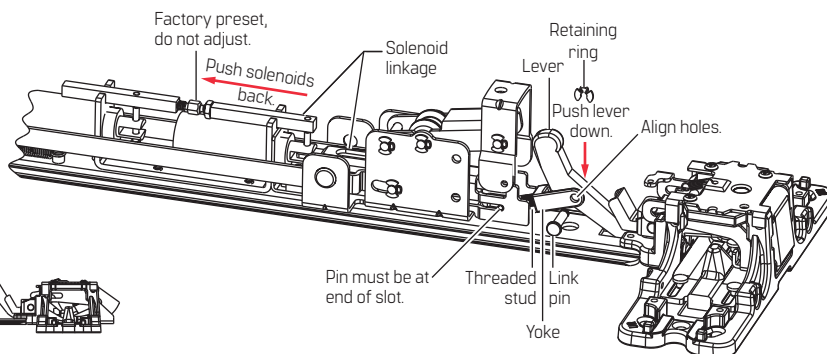
- 4.1 With lever pushed down and solenoid linkage yoke pushed back, yoke assembly must align with pin at end of slot and yoke holes with lever holes.

NOTE: Rotate yoke clockwise on threaded stud to make shorter and counterclockwise to make longer.

- 4.2 Insert link pin into hole and secure it with retaining ring.



ELR conversion kit



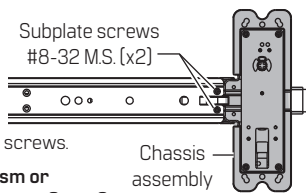
5 REASSEMBLING

- 5.1 Position chassis onto touchbar mechanism.
5.2 Secure chassis to touchbar mechanism using two subplate screws.

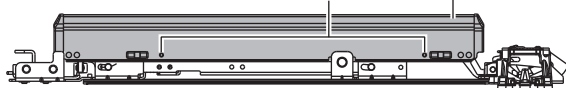
NOTE: Use touchbar mechanism or chassis and subplate screws from Step 3.

- 5.3 Attach touchpad to touchbar mechanism, aligning all four screw holes.
5.4 Secure touchpad to touchbar mechanism using four screws and, if applicable, four bumpers.

NOTE: Use touchpad, screws and if applicable bumpers retained from Step 2.

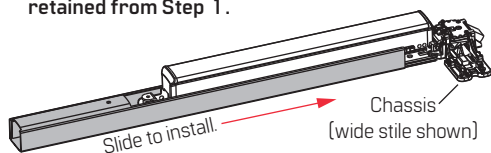


Touchbar screws #8-32 M.S. (x4) Touchbar assembly



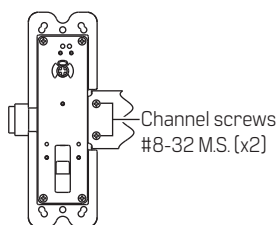
- 5.5 Slide device channel with filler plate onto touchbar mechanism aligning screw holes.

NOTE: Use device channel with filler plate retained from Step 1.



- 5.6 Secure device channel to touchbar mechanism using two screws.

NOTE: Use two screws retained from Step 1.



6 ELECTRICAL TESTING

- 6.1 Refer to installation instructions for ELR-I50 power supply (T93666) and CM-I50-08 control module, (T93665). Both must be used with ELR conversion kit.

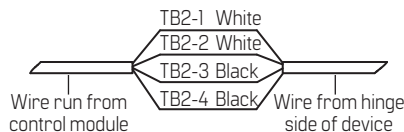
- 6.2 Device should be bench tested before mounting on door.

Proper Operation:

- Rim device: Upon activating control module, latch bolt should retract and LED 2 on control module should light.
- Vertical rod device: Upon activating control module, rod carriage should lift up approximately 1/2" (12.7) and LED 2 on control module should light.

7 TROUBLESHOOTING

- 7.1 Latch bolt will not retract completely:**
- Adjust yoke by removing link pin and rotating clockwise.
 - Replace link pin and retest.
- 7.2 Rod carriage will not move required 1/2" (12.7):**
- Adjust yoke by removing link pin and rotating clockwise.
 - Replace link pin with retaining ring and retest.
- 7.3 LED 2 will not light when solenoids are energized:**
- Adjust yoke by removing link pin and rotating counterclockwise.
 - Replace link pin and retest.
 - Check for proper wiring. Black wires to TB2-3 and TB2-4 of control module.
- 7.4 Solenoid linkage will not move:**
- Check for proper wiring. White wires to TB2-1 and TB2-2 of control module.
- 7.5 Solenoid linkage will not retract completely:**
- Adjust yoke by removing link pin and rotating counterclockwise.
 - Replace link pin and retest.
- 7.6 Device works on bench, but not on door:**
- Check for shorts, excessive wire runs and open connections.
 - With power off and system completely wired, place probes of an ohm meter on screw heads of TB2-1 and TB2-2. Result should be 4 - 5 ohms.
 - Check device for proper mechanical operation and that vertical rods are properly adjusted.



Maximum wire run		
Wire gauge	With 22 gauge power transfer	With 28 gauge power transfer
16	75' [22.86 m]	55' [16.76 m]
14	125' [38.10 m]	75' [22.86 m]
12	200' [60.96 m]	-----



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for assistance and warranty information.

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