Instructions

Boost Valve Kit

Part No.

77898**E-14K**

ValveSleeve

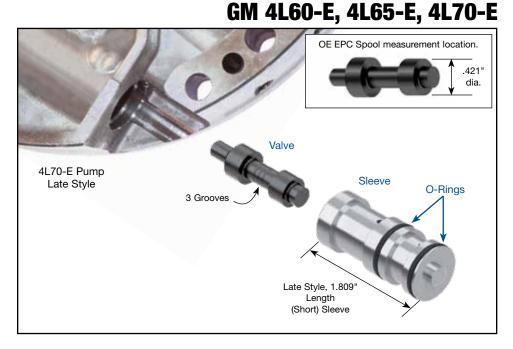
• O-Rings (3)

1 Extra

3 Grooves , .421" dia.

NOTE: Late style, .421" dia, OE ratio, O-ring style. See chart for details (**Figure 2**).

warning: OE has made multiple pump design changes.
Transmission will not function properly if the wrong length sleeve is installed. Verify length of OE sleeve and select Sonnax kit with equivalent sleeve length (Figure 2).



1. Verify Length of OE Sleeve & Ratio of OE valve.

- a. Compare OE valve and sleeve measurements to chart (Figure 1).
- b. Select correct Sonnax replacement for application.

2. Disassembly

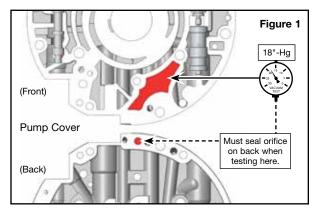
- a. Remove OE retaining ring and save for reuse.
- b. Remove and discard OE boost sleeve and valve.

3. Installation & Assembly

- a. Lubricate all pieces of the Sonnax kit and position OE springs with assembly lube. Incorrect location will create high pressure.
- b. Install Sonnax O-rings into the indicated grooves of Sonnax sleeve. Lubricate with Sonnax Slippery Stick **O-LUBE** and roll on bench to size.
- c. Carefully push the Sonnax sleeve assembly into the pump body with the open end toward the two OE springs. Insert deep enough to reinstall the OE retaining ring.
- d. Return the OE retaining ring to the pump body.

4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (**Figure 1**).



©2021 Sonnax Transmission Company, Inc. • A Marmon/Berkshire Hathaway Company



TRANSMISSION PARTS

BOOST VALVE KIT 77898E-14K

Instructions

Figure 2

| Sleeve | EPC Spool | OE Valve/Sleeve Design | | Sonnax with O-Rings | | Sonnax "Factory Style" | |
|--|---|------------------------|-----------|---|--|----------------------------|------------------------|
| Early Style, 1.907" Long Sleeve | .421" | Sonnax 778 | | nax ratio available. 198E-4K may be used, y firmer shifts will occur. | No Sonnax ratio available. Sonnax 77898E-6K may be used, but noticeably firmer shifts will occur. | | |
| | .470" | Valve | 2 Bands | 77898E-4K | Valve: 1 Groove | 77898E-6K | Valve: 1 Groove |
| | | Sleeve | 1 Groove | | Sleeve: No Groove | | Sleeve: No Groove |
| | .490" Upgrade for OE .470" | Valve | N/A | 77898E-K | Valve: No Groove | 77898E-3K | Valve: No Groove |
| | | Sleeve | N/A | | Sleeve: No Groove | | Sleeve: No Groove |
| Late Style, 1.809" Short Sleeve | .421" | Valve | 3 Bands | 77898E-14K | Valve: 3 Grooves | No Sonnax ratio available. | |
| | | Sleeve | No Groove | | Sleeve: No Groove | 100 50 | Tiax fatio available. |
| | .472" | Valve | 4 Bands | 77898E-16K | Valve: 4 Grooves | No Sonnax ratio available. | |
| | | Sleeve | 1 Groove | | Sleeve: No Groove | 100 50 | iliax ratio available. |