

Part No.

• Valve

• Sleeve

77898E-3K

Patent No. 6,619,323

length (Figure 2).

Instructions

GM 4L60-E, 4L65-E

Boost Valve Kit EPC Spool measurement location. 490' dia. .490" dia. Valve NOTE: Early pump design, .490" dia., factory style with increased ratio. See chart for details (Figure 2). Sleeve 4L60-E Pump, WARNING: OE has made multiple Early Design pump design changes. Transmission will not function properly if the wrong length sleeve is installed. Verify length of OE sleeve and Early Pump Design select Sonnax kit with equivalent sleeve 1.907" Long Sleeve

1. Dissassembly

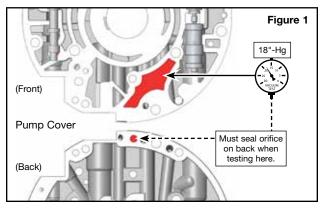
- a. Discard the worn boost sleeve and valve.
- b. Save the OE retaining clip for reuse.

2. Installation & Assembly

- a. Lubricate all pieces of the Sonnax kit and position OE springs with assembly lube. Incorrect location will create high pressure.
- b. Insert Sonnax valve into Sonnax sleeve with the nubbed end facing out.
- c. Carefully push the Sonnax sleeve assembly into the pump body with the open end toward the two springs, only deep enough to reinstall the OE retaining ring clip.
- d. Return the OE retaining ring clip to the pump body.

3. Final Testing

A vacuum test at the port indicated holds 18 in-Hg or more (Figure 1).



©2020 Sonnax Transmission Company, Inc. • A Marmon/Berkshire Hathaway Company

800-843-2600 • 802-463-9722 • F: 802-463-4059 • www.sonnax.com

Sonnax® Transmission Parts

BOOST VALVE KIT 77898E-3K

Instructions

Figure 2

Sleeve	EPC Spool	OE Valve/Sleeve Design		Sonnax with O-Rings		Sonnax "Factory Style"	
Early Pump Design, 1.907" Long Sleeve	.421"		1 Band No Groove	No Sonnax ratio available. Sonnax 77898E-4K may be used, but noticeably 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 Pump Design, 1.809" Short Sleeve	.421"	Valve	3 Bands	77898E-14K	Valve: 3 Grooves	- No Sonnax ratio available.	
		Sleeve	No Groove		Sleeve: No Groove		
	.472"	Valve	4 Bands	77898E-16K	Valve: 4 Grooves	No Sonnax ratio available.	
		Sleeve	1 Groove		Sleeve: No Groove		