

Boost Valve Kit

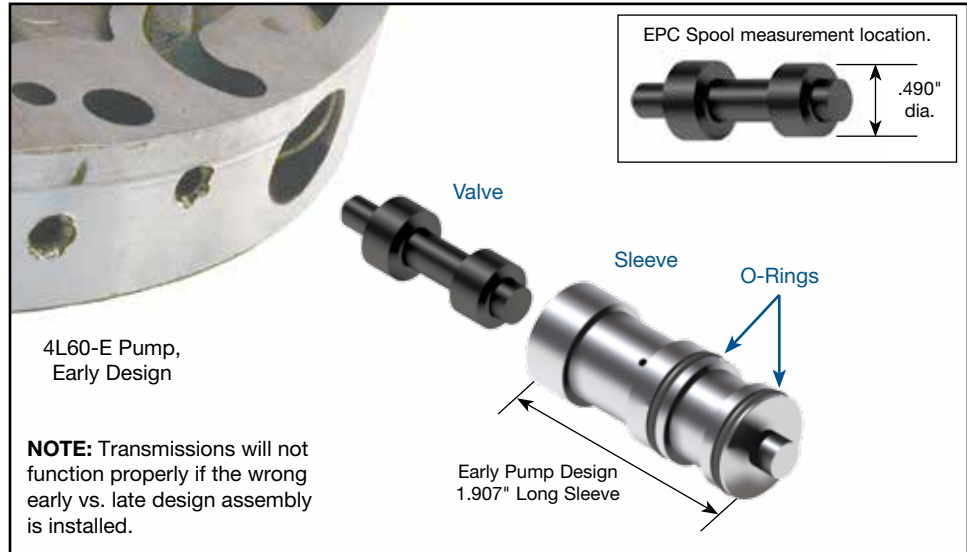
Part No.
77898E-K

- Valve
- Sleeve
- O-Rings (2)

Patent No. 6,619,323

NOTE: This oversized ratio, O-ring style kit fits early pump design, .490" dia. EPC spool. See chart for details.

GM 4L60-E, 4L65-E



1. Disassembly

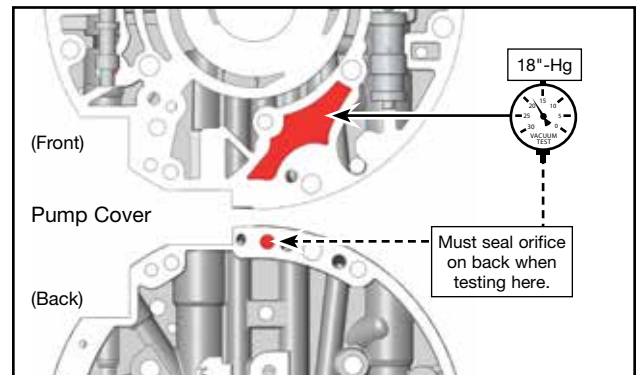
- Discard the worn boost sleeve and valve.
- Save the OE retaining clip for reuse.

2. Installation & Assembly

- Lubricate all pieces of the Sonnax kit and position OE springs with assembly lube. Incorrect location will create high pressure.
- Install Sonnax O-rings into the indicated grooves of Sonnax sleeve.
- Insert Sonnax valve into Sonnax sleeve with the nubbed end facing out.
- 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.
- 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.



Early Pump Design, 1.907" Long Sleeve						
EPC Spool	Valve/Sleeve Design	OE	Sonnax with O-Rings		Sonnax "Factory Style"	
.421"	Valve	1 Band	No Sonnax ratio available.		No Sonnax ratio available.	
	Sleeve	No Groove	Sonnax 77898E-4K may be used, but noticeably firmer shifts will occur.		Sonnax 77898E-6K may be used, but noticeably firmer shifts will occur.	
.470"	Valve	2 Bands	77898E-4K	V: 1 Groove	77898E-6K	V: 1 Groove
	Sleeve	1 Groove		S: No Groove		S: No Groove
.490" Upgrade for OE .470"	Valve	N/A	77898E-K	V: No Groove	77898E-3K	V: No Groove
	Sleeve			S: No Groove		S: No Groove