sonnax®
TIME TESTED • INDUSTRY TRUSTED®

TRANSMISSION PARTS

Instructions

GM 4L60-E, 4L65-E

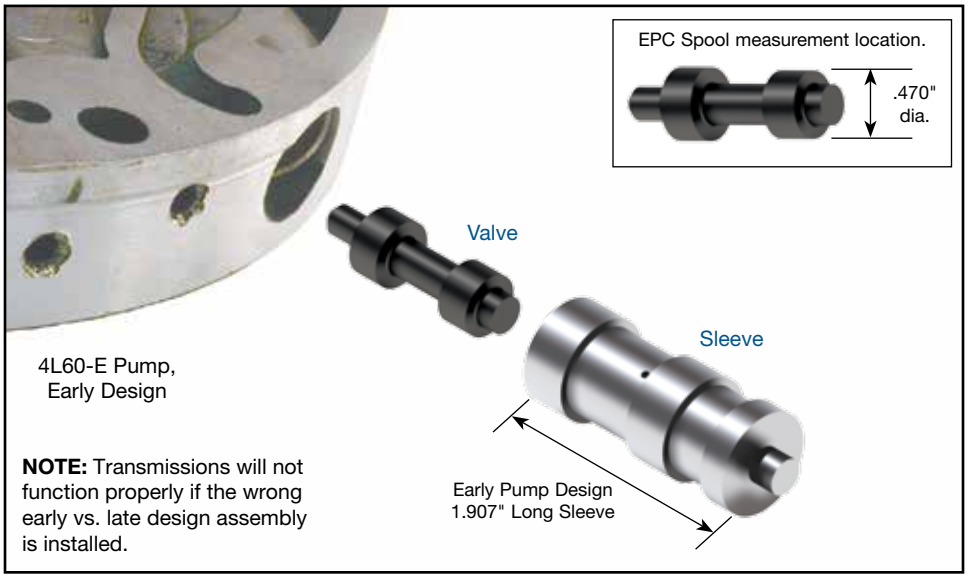
Boost Valve Kit

Part No. 77898E-6K

- Valve
- Sleeve

Patent No. 6,619,323

NOTE: This OE ratio, "Factory Style" kit fits early pump design, .470" dia. EPC spool. See chart for details.



NOTE: Transmissions will not function properly if the wrong early vs. late design assembly is installed.

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.

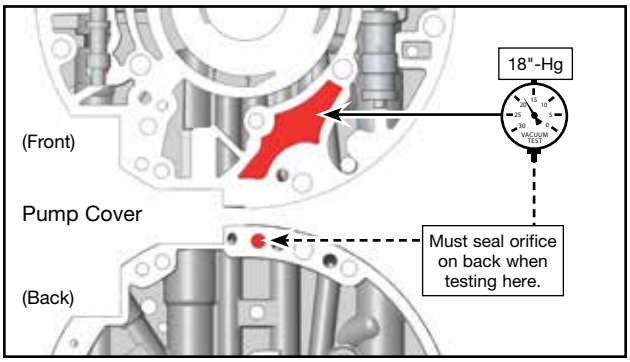
b. Insert Sonnax valve into Sonnax sleeve with the nubbed end facing out.

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.



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. 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.	
	Sleeve	No Groove				
.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

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