



4L80E-HTRK

Hi-Temp Ring & Endplay Upgrade

Corrects/Prevents/Reduces

No Lockup and 4th hot—Codes 68—39—85
Hard shifts and no 4th—Direct Clutch Slippage
Prevents Metal Particles by Separating Shafts
Hot Idle Forward Clutch Slip, Aborts LU & 4th.
Reverse Delay—Bindup in reverse when hot.

Shop Owner & Technician : Most often no lockup and no 4th and codes 68, 39, 85 are caused by rings that have shrunk, or hardened, and not usually caused by bad friction or converter.

A&B: This prevents Lube Oil cross-leak from applying Coast clutch by accident, which causes coast & 4th clutch burnup.

C. Stator Bushing: Always replace if there is any sign of wear.

D&E: Self expanding Hi-temp rings prevents hot forward clutch slip which causes hard shifts, no lockup and 4th. Prevents/Cures hot bindup in reverse.

A. Install the two Big wires into ring grooves.

B. Install the two Big rings into ring grooves gently with Jel.

Stator Support

C. Always check front stator bushing for wear.

Coast Clutch

Patent #6,340,160 B1

Technical Stuff
These complaints usually occur HOT. When they occur there is no LU and no 4th. But even more important is — **line pressure goes MAX which reduces or cuts off LUBE.**

In a working truck, the driver is not going to stop cause he has no 4th. He just keeps right on and overheats to total burnup. One big rework will buy about 30 of these kits.

Fix it while you are here.

Input Shaft

D. Install the wires that match grooves.

E. Install rings with Jel.

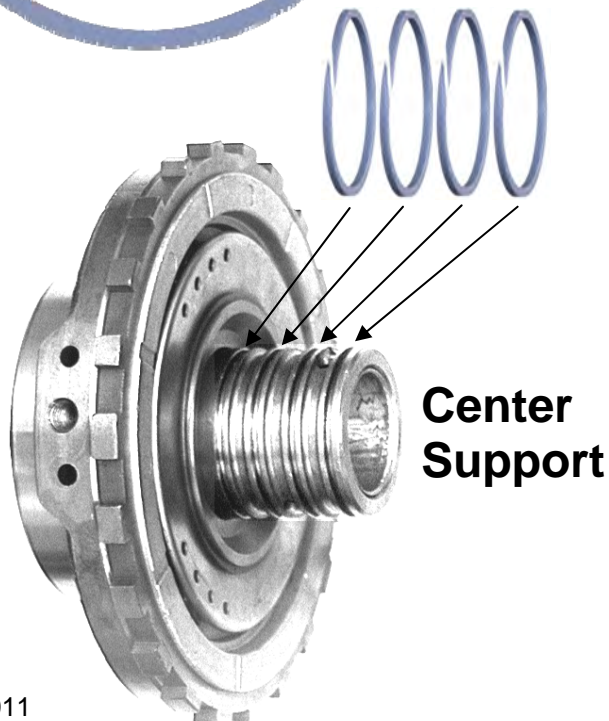
Lockup Release

Forward

Forward Clutch

Hi-temp rings resist shrink and hardening. This will correct reverse delay hot and slips in 3rd hot. No more code 85 and shift aborts. You'll love it.

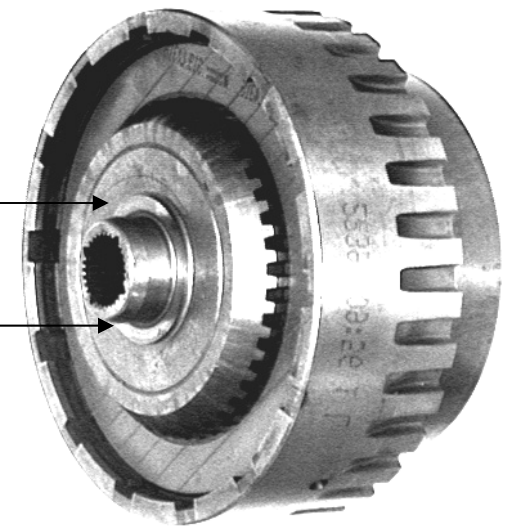
A.
Open rings till they
prox fit this picture.
Install with Vaseline
or Trans Jel



B. Install 2 GOLD washers
under original thrust washer.



This keeps shafts from
rubbing and making
metal particles. Also cen-
ters drum on rings.
If the drum does not ro-
tate freely remove one
gold washer.



LISTEN UP: NEVER
make the front end play
tighter than rear end play.