

5R110W

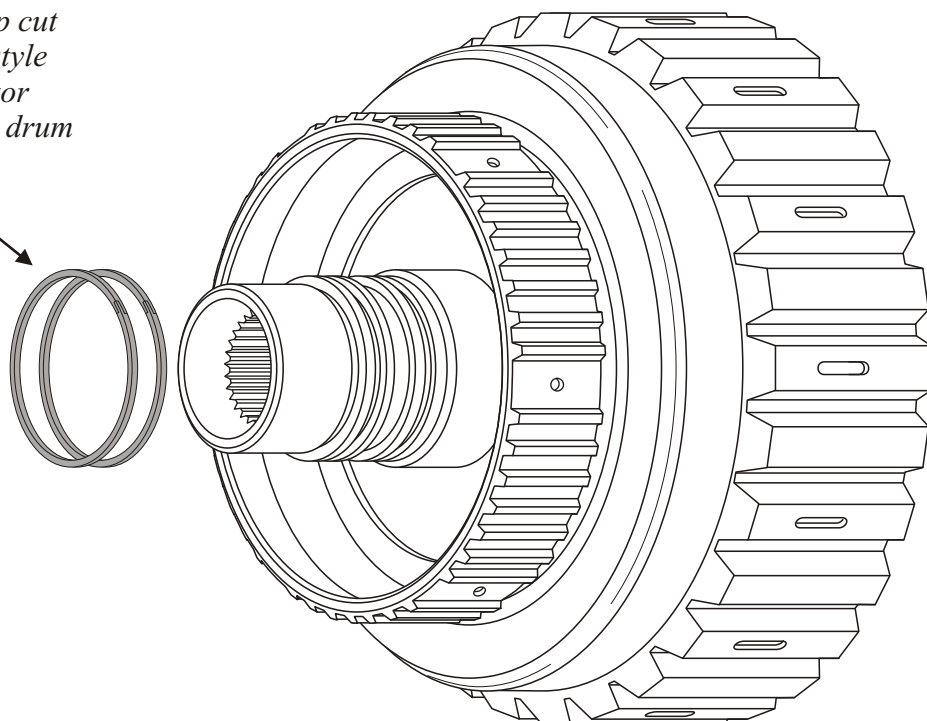
DELAYED FORWARD ENGAGEMENT/SHUDDER ON TAKE OFF

COMPLAINT: Before and/or after overhaul, a Ford truck equipped with a 5R110W transmission may exhibit a noticeable delayed forward engagement and/or chatter while in first gear at various throttle openings.

CAUSE: The cause may be a poor seal at the forward clutch sealing rings. (See figure 1)

CORRECTION: Check and verify that there are no line pressure and rise problems that may indicate a faulty pressure control solenoid, sticking PR valve, boost valve or faulty oil pump. Carefully inspect the forward clutch housing, piston and the seal ring area in the center support for any wear or damage and repair or replace as necessary. Place the completely assembled forward clutch housing into the center support and air check the forward clutch through the support to see if excessive leakage is revealed with the air check. If excessive leakage is detected, then the problem may be resolved by replacing the original step cut style sealing rings with a pair of solid endless style rings used for the stator support to reverse input clutch drum in a 4L60E transmission. The sizing tool for the 4L60E rings can also be used to ensure proper fit. After installing and sizing the new rings, check for a slight drag when installing the forward clutch housing into the center support and perform the air check again to see a noticeable difference.

Replace the original style step cut rings with the solid endless style rings used for a 4L60E stator support to reverse input clutch drum



*Many thanks to Chuck Gokey
from Phil's Transmission in
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Figure 1