

FORD 5R110/ TORQSHIFT

Value Added Quality Improvements from JASPER

Issue / Concern:

JASPER Solution:

Converter lockup lining failure
Shudder

- 2003 – 2008: Installation of NEW forged/billet converter front cover to prevent flexing at the studs and to ensure full contact of the lockup piston with the front cover to prevent shudder.

Line pressure instability

- 100% reaming and vacuum testing of the pressure regulator valve bore for consistent line pressure.
- Replacement of all early-style pressure regulator valves to the late style to maintain consistent line pressure.

Pump wear, front seal leaks and
fluid contamination

- Pump gears are 100% Phos dipped to prevent dry start-up and to keep gears from seizing with the pump.
- Installation of a machine-in-place bushing in the pump housing to provide correct alignment between the pump bushing and converter hub.

Hub breaks out of coast drum
causing “no pull” situation

- 2009 and up: Hub is welded into the coast drum to prevent the hub from breaking out of the drum.

Snap ring rotation

- Early-style low/reverse snap ring is updated to the latest style to keep ring from rotating in the case.

Lubrication circuit

- 2003 – 2007: Low/reverse diode is replaced and updated to the late style to prevent side load (JASPER uses a two-lock strut vs. a one-lock strut). The low/reverse diode is prone to failure if starved for lube oil.

Clutch and unit failure

- JASPER updates the early-style spring retainer for the low/reverse clutch to prevent the snap ring from popping off resulting in metal contamination, clutch failure and unit failure.
- JASPER restakes all early-style low/reverse planetary pinion pins with 12 tons of pressure to prevent pinion pin walkout.
- 100% remanufactured low/reverse clutch on 2008 – 2011 one-piece planetary to ensure long life.

Shift solenoid issues

- 100% replacement of early-style BA and CA solenoids with updated, more robust BB and AB solenoids.

Shift quality, leaks and range
sensor operation

- 100% dynamometer tested for proper gear ratios, line pressure, cooler pressure and flow, noise and correct MLPS switch voltage.

**3 Year/100,000 Mile
Nationwide
Parts & Labor Warranty**

Full warranty disclosure available at
www.jasperengines.com or upon request.
Specifications subject to change without notice.



Remanufactured in the U.S.A.

815 Wernsing Road • P.O. Box 650 • Jasper, IN 47547-0650
(800) 827-7455 • Fax (812) 634-1820 • www.jasperengines.com