

A/T - Harsh Shifting/No DTCs/Over 20,000 Miles

[Notes](#)

TSB 06-24-5

11/15/06

TRANSMISSION HARSH SHIFTING - NO DTCS -
MILEAGE OVER 20,000 MILES (32,187 KM)

FORD:
2005-2006 Five Hundred

MERCURY:
2005-2006 Montego

ISSUE

Some 2005-2006 Five Hundred and Montego vehicles equipped with Aisin six speed transmissions and built prior to 10/17/2005 may experience shift concerns when the vehicle mileage gets above 20,000 miles (32,187 km). Shifting concerns are generally noticed during passing maneuvers with transmission temperatures greater than 212°F (100°C) operating temperatures. Symptoms may be present during downshift 5-3 at 35 mph (56 km/h) and/or 4-3 at 20 mph (32 km/h) with throttle opening at approximately 50% or greater and include:

- ^ Harsh shift and/or clunk noise
- ^ Delayed shift and/or perceived slip / engine flare

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. If DTCs are present in the transmission control module (TCM) / powertrain control module (PCM), perform normal diagnostics. Refer to Workshop Manual (WSM), Section 307-01B.
2. If no DTCs are present and mileage is below 20,000 miles (32,187 km) reprogram [TCM](#) / PCM and retest.
3. If no DTCs are present and mileage is over 20,000 miles (32,187 km), fluid should be drained and checked for excessive contamination. If fluid is clean, the valve body should be replaced and [TCM](#) / PCM updated to the latest calibration level. Refer to WSM, Section 307-01B for main control valve body replacement.
4. If excessive contamination is present, install a new transaxle assembly following normal prior approval guidelines.

Reprogramming

Reprogram the PCM and [TCM](#) to the latest calibration using IDS release 45.8 and

higher. Calibration files may also be obtained at the website.

PART NUMBER	PART NAME
7E5Z-7A100-A	Main Control

Parts Block

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage

OPERATION	DESCRIPTION	TIME
062405A	2005-2006 Five Hundred/Montego Aisin Transmission With Less Than 20,000 Miles (30,187 km): Check For DTC, And Reprogram The PCM And The TCM Includes Time To Road Test (Do Not Use With 12650D, 12650D84)	0.9 Hr.
062405B	2005-2006 Five Hundred/Montego Aisin Transmission With More Than 20,000 Miles (32187 km): Check For DTC, Drain And Inspect The Transmission Fluid, Replace The Valve Body, Reprogram The PCM And The TCM Includes Time To Road Test (Do Not Use With 7396A, 7396A1, 12650D, 12650D84)	2.2 Hrs.

DEALER CODING