



Technical Service Information

TOYOTA AB60E

DTC P2714

COMPLAINT: Some customers may complain about a M.I.L. “ON” condition with DTC P2714 (Pressure Control Solenoid “D” Performance – Shift Solenoid SLT) combined with other transmission performance DTCs such as P0751, P0756, P0761, P0766, P0729, P0781, P0894, P2757, or P0776 with abnormal transmission shifting (TSB 0078-08).

CAUSE:

1. Low fluid level
2. Replacement of the transmission and installation of revised Engine Control Module/ECM software logic may be required to repair the vehicle.

1. Check the condition of the transmission fluid. Look for leaks and check the level. It is normal for WS transmission fluid to change from a clear red color when new to an opaque brown color with use. If it is darker than brown, feels gritty and smells burnt, the unit will need to be rebuilt or replaced. If the fluid condition checks well, correct any leaks and restore the transmission to its proper fluid level. Erase the code(s) and test drive. DTC P2714 and most transmission performance DTCs are two-trip detection logic DTCs. If the codes return, move to correction step 2.

CORRECTION: The transmission will need to be rebuilt or replaced. With models built prior to the VIN numbers listed in figure 1 will also require re-programming. Use figure 2 for the appropriate calibration number. Figure 3 provides part numbers for a new transmission or ECM (PCM) if needed.

PLANT	DRIVETRAIN	WHEELBASE	CAB TYPE (BED LENGTH)	PRODUCTION CHANGE EFFECTIVE VIN
TMMI	2WD	3700 (145.7)	Double Cab (Standard), CrewMax, Regular Cab (8-ft)	5TB*V5#1*8S477507
	4WD			5TB*V5#1*8S500970
TMMTX	2WD	3220 (126.8)	Regular Cab (Standard)	5TF*V521*8X002650
		3700 (145.7)	Double Cab (Standard), CrewMax, Regular Cab (8-ft)	5TF*V5*1*8X044466
		4180 (164.6)	Double Cab (8-ft)	5TF5V541*8X005152
	4WD	3220 (126.8)	Regular Cab (Standard)	5TF*V521*8X002670
		3700 (145.7)	Double Cab (Standard), CrewMax, Regular Cab (8-ft)	5TF*V5#1*8X044869
		4180 (164.6)	Double Cab (8-ft)	5TF5V541*8X006119

Figure 1

The production plant can be identified by the first 3 digits and the 11th digit of the VIN:

- 5TB = TMMI
- S as 11th digit = TMMI
- 5TF = TMMTX
- X as 11th digit = TMMTX

AUTOMATIC TRANSMISSION SERVICE GROUP

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MODEL	ENGINE	DRIVETRAIN	TOW PACKAGE	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
Tundra	3UR-FE 5.7 L V8	2WD	Yes	30C83000	30C83100
			No	30C82000	30C82100
		4WD	Yes	30C85000	30C85100
			No	30C84000	30C84100

Figure 2

Part numbers for new PCM's and Transmissions

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	MODEL DETAIL	QTY
N/A	89661-0CB81	ECM (PCM)	2WD w/o Tow Package	—
N/A	89661-0CB91		2WD w/ Tow Package	—
N/A	89661-0CC01		4WD w/o Tow Package	—
N/A	89661-0CC11		4WD w/ Tow Package	—
N/A	00451-00001-LBL	Authorized Modifications Label	—	1
00289-ATFWS	Same	ATF WS	—	As needed
N/A	35000-0C250	Transmission Assembly	2WD w/ Tow Package	1
	35000-0C260		2WD w/o Tow Package	1
N/A	35000-0C270		4WD w/ Tow Package	1
	35000-0C280		4WD w/o Tow Package	1

Figure 3