

DIAGNOSIS AND TESTING (Continued)

(Continued) DHT2311 QMA 2130M0AH

EEC-IV ON-BOARD DIAGNOSTIC TROUBLE CODE DESCRIPTION CHART (Cont'd)

THREE DIGIT DTC	COMPONENT	DESCRIPTION	CONDITION	SYMPTOM	ACTION
536	BOO	Brake not actuated during on-board diagnostic. BOO switch circuit failed.	Brake not cycled during KOER. Brake ON/OFF circuit failure.	Failed ON or not connected—torque converter clutch will not engage at less than 1/3 throttle. Failed OFF—torque converter clutch will not disengage when brake is applied.	PC/ED
539	ACC	A/C switch error	A/C or Defrost ON condition may result from A/C clutch being ON during on-board diagnostic.	Failed ON—EPC pressure slightly low with A/C OFF. Failed OFF—EPC pressure slightly low with A/C ON.	PC/ED
636	TOT	TOT out of on-board diagnostic range.	Transmission not at operating temperature during on-board diagnostic.	Warm vehicle to normal operating temperature.	B1
637	TOT	-40°C (-40°F) indicated TOT sensor circuit open.	Voltage drop across TOT sensor exceeds scale set for temperature -40°C (-40°F)	Torque converter clutch and stabilized shift schedule may be enabled sooner after cold start. Harsh or soft shifts.	B1
638	TOT	157°C (315°F) indicated TOT sensor circuit grounded.			
639	TSS	Insufficient input from Transmission Speed Sensor.	PCM detected a loss of TSS signal during operation.	Increased engine rpm on engagements, harsh shifts.	F1
624*	EPC	EPC solenoid circuit failure, shorted circuit or output driver.	Voltage through EPC solenoid is checked and compared to a voltage through solenoid after a time delay. An error will be noted if tolerance is exceeded. KOEO and continuous on-board diagnostic.	Short Circuit—Causes failsafe EPC pressure (maximum capacity). Harsh engagements and shifts. Open Circuit—Causes maximum EPC pressure, harsh engagements and shifts.	E1
625*	EPC	Open PCM output driver.			
621*	SS1	SS1 solenoid circuit failure	Solenoid 1 circuit failed to provide voltage drop across solenoid. Circuit open or shorted or PCM drive failure during on-board diagnostic.	Improper gear selection depending on condition mode and manual lever position. See solenoid ON/OFF chart.	A1
622*	SS2	SS2 solenoid circuit failure	Solenoid 2 circuit fails to provide voltage drop across solenoid. Circuit open or shorted or PCM drive failure during on-board diagnostic.	Improper gear selection depending on condition mode and manual lever position. See solenoid ON/OFF chart.	A1
641*	SS3	SS3 solenoid circuit failure	Solenoid 3 circuit fails to provide voltage drop across solenoid. Circuit open or shorted or PCM drive circuit failure during on-board diagnostic.	Improper gear selection depending on condition mode and manual lever position. See solenoid ON/OFF chart.	A1
645**	SS1, SS2, or internal parts	1st gear failure	No 1st gear	Improper gear selection depending on condition mode and manual lever position: see solenoid ON/OFF chart. Shift errors may also be due to other internal transaxle concerns (e.g., stuck valves, damaged friction material).	A1
646**	SS1, SS2, or internal parts	2nd gear failure	No 2nd gear		
647**	SS1, SS3, or internal parts	3rd gear failure	No 3rd gear		
648**	SS1, SS3, or internal parts	4th gear failure	No 4th gear		
628**	TCC	Torque converter clutch engagement error	The PCM picked up an excessive amount of torque converter clutch slippage when converter was scheduled to be engaged during normal vehicle operation.	Failed OFF—converter never engages. Failed ON—engine runs rough / vehicle shudder, engine stalls in DRIVE (2nd, 3rd or 4th) at low idle speeds.	C1

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