DIC	SYS	FAULT DESCRIPTION	MONITORING CONDITIONS	CK ENG	OTHER	DEFAULT ACTION	CM PIN	CM PIN POSSIBLE CAUSES
P1643	OBDII	CAN ECM / TCM network malfunction	Ignition ON 10 seconds	2	>	ECM Default: - Speed control inhibited - Maximum throttle opening for N range inhibited - Throttle opening limited to 30%	PI1 -123 -124	CAN open circuit fault – TCM to ECM CAN short circuit fault TCM failure ECM failure
						 Maximum engine speed reduced 		
P1646	EMS OBD II	ECM HO2 Sensor control malfunction – bank 1 upstream (1/1)	Drive vehicle for 10 minutes	2	z	ECM Default: - HO2S 1/1 control circuit inhibited	1	HO2 Sensor 1/1 heater failure HO2 Sensor 1/1 sensing circuit: short circuit to ground, short circuit to high voltage, open circuit, high resistance ECM failure
P1647	EMS OBD II	ECM HO2 Sensor control malfunction – bank 2 upstream (2/1)	Drive vehicle for 10 minutes	2	z	ECM Default: - HO2S 2/1 control circuit inhibited	1	HO2 Sensor 2/1 heater failure HO2 Sensor 2/1 sensing circuit: short circuit to ground, short circuit to high voltage, open circuit, high resistance ECM failure
P1648	EMS OBD II	ECM internal Knock Sensor CPU self test failure	Start engine Battery voltage > 12 volts Idle for 2 minutes	2	Þ	ECM Default: - Maximum ignition retard - Maximum engine speed reduced	1	ECM failure
P1656	EMS OBD II	TP Sensor amplifier circuit malfunction	Ignition ON 10 seconds	2	A	ECM Default: - Maximum engine speed reduced	PI1 -075	ECM failure

DTC	CM	SYSTEM	FAULT DESCRIPTION	MIL	CM PIN	POSSIBLE CAUSES
U2023	ASCM	Adaptive Speed Control	CAN fault message received from other network module(s)	Z	EC23 -4 -10	CAN / ASCM related fault: ECM/TCM., DSCM, IC ASCM internal CAN fault CAN network fault
U2150	DDM	Driver Door Module	SCP invalid REM data during security and locking operations	z	1	REM SCP circuit: open circuit, short circuit to B+ voltage, short circuit to ground REM SCP fault SCP network fault
U2150	Ю	Central Locking	SCP missing or invalid REM steering column lock enable status message	z	1	REM SCP fault SCP network fault
U2152	IC	Central Locking	SCP missing or invalid FEM steering column lock enable status message	Z	ı	FEM SCP fault SCP network fault
U2160	DDM	Driver Door Module	SCP invalid IC data during security and locking operations	Z	I	IC SCP circuit: open circuit, short circuit to B+ voltage, short circuit to ground IC SCP fault SCP network fault
U2195	DDM	Driver Door Module	SCP invalid SCLM data during security and locking operations	z	1	SCLM SCP circuit: open circuit, short circuit to B+ voltage, short circuit to ground SCLM SCP fault SCP network fault
U2195	IC	Central Locking	SCP missing or invalid SCLM steering column lock enable status message	z	1	SCLM SCP fault SCP network fault
U2196	С	Instrumentation	CAN invalid ECM engine speed data	z	1	ECM CAN fault CAN network fault
U2197	ਨ	Instrumentation	CAN invalid DSCM vehicle speed data	z	1	DSCM CAN fault CAN network fault

DTC

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SYSTEM

FAULT DESCRIPTION

MIL

CM PIN

POSSIBLE CAUSES

DTC		SYSTEM	FAULT DESCRIPTION	M		CM PIN
U2522	2 ASCM	Adaptive Speed Control	CANTCM missing	z	EC23 -4 -10	A Company of the Comp
U2522	2 DSCM	Dynamic Stability Control	CAN TCM missing	z	EC30 -11 -12 -14 -15	
U2522	2) IC	Instrumentation	CAN TCM gear selected data missing	z	.	1
U2523	3 ASCM	Adaptive Speed Control	CAN ECM missing	Z	, m	EC23 -4 -10
U2523	3 ASM	Air Suspension	CAN ECM message missing	z		
U2523	3 CCM	Climate Control	CAN ECM missing	z	CR11 -6 -7 16 -17	119
U2523	3 DSCM	Dynamic Stability Control	CAN ECM missing	Z	EC30 -11 -12 -14 -15	0
U2523	3 IC	Instrumentation	CAN ECM engine speed data missing	z		
U2524	IC IC	Instrumentation	CAN ASM data missing	z	,	