

OBD Readiness Testability Issues

OBD Readiness Testability Issues

Transportation and Climate Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

OBD Readiness Testability Issues ¹				
Make	Model Year	Model	Problem	Action
Acura	1997	2.5 TL	Trouble communicating with some scan tools	Attempt communication with a different scan tool. See OBD clearinghouse for more information.
Audi and Volkswagen	1996-2002	All models with non-OEM stereos	If OEM stereo has been replaced with an aftermarket unit, the OBD system may not communicate with and may damage the scan tool	Ensure scan tool has complete current/voltage override protection. For more information, see VW Technical service bulletin 02-03 dated June 10, 2002.
Chrysler	1996 built prior to 11/21/95	Cirrus, Sebring, Sebring Convertible, Concord, LHS	All monitors reset to incomplete upon every ignition key-off.	Recall campaign #678 applies to California certified vehicles in California. TSB #18-005-01 applies to all other vehicles with a lifetime warranty.
Chrysler	2010 built prior to 2/20/10	300 with 3.5L engine and 5-speed automatic transmission	Evaporative Leak Detection Monitor may not set to ready	TSB# 18-008-10 Revision A
Dodge	1996 built prior to 11/21/95	Stratus, Intrepid, Neon, Avenger	All monitors reset to incomplete upon every ignition key-off	Recall campaign #678 applies to California certified vehicles in California. TSB #18-005-01 applies to all other vehicles with a lifetime warranty.
Dodge	1996	Stealth	All monitors reset to incomplete upon every ignition key-off	These vehicles are not reflashable and should be tested without regard to monitor readiness
Dodge	2003	Dakota, Durango and Ram Trucks with 4.7L engine and California or 50 state certified.	Catalyst monitor readiness status may indicate not supported	TSB#18-032-10 with lifetime warranty
Dodge	2003	Ram Truck with Cummins 5.9L diesel engine and California certified	MIL may illuminate erroneously. Comprehensive component monitor status may not set to ready	Recall Campaign #K01
Dodge	2004-5	Ram Truck with Cummins 5.9L diesel engine and California certified	Comprehensive component monitor status may not set to ready	TSB#18-030-10 with lifetime warranty
Dodge	2006-7	Ram Truck with Cummins 5.9L diesel engine.	Fuel system monitor and comprehensive component monitor status may not set to ready	Recall campaign #K01 applies to California certified vehicles. TSB#18-017-10 with lifetime warranty applied to federal certified vehicles.

¹ Formerly known as Appendix D, this table lists specific vehicle makes and models with OBD readiness issues along with resolutions for I/M programs to use at their discretion to overcome those issues.

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Make	Model Year	Model	Problem	Action
Dodge	2007 built prior to 01/06/07	Ram Chassis Cab with Cummins 6.7L diesel engine	Trucks are not equipped with oxygen sensors but oxygen sensor and oxygen sensor heater monitors may report as not ready. Comprehensive component monitor status may not be set to ready	Recall campaign #K01 applies to California certified vehicles. TSB#18-017-10 with lifetime warranty applied to federal certified vehicles.
Dodge	2010 built prior to 2/20/10	Charger, Challenger with 3.5L engine and 5-speed automatic transmission	Evaporative leak detection monitor may not set to ready	TSB# 18-008-10 Revision A
Eagle	1996 built prior to 11/21/95	Vision, Non-turbo Talon	All monitors reset to incomplete upon every ignition key-off	TSB #18-005-01 applies with a lifetime warranty
Eagle	1996	Summit, Summit Wagon	All monitors reset to incomplete upon every ignition key-off	These vehicles are not reflashable and should be tested without regard to monitor readiness.
Eagle	1996-8	Talon with 2.0L Turbo	All monitors reset to incomplete upon every ignition key-off	These vehicles are not reflashable and should be tested without regard to monitor readiness.
Ford	2000-2002	All	Evap monitors may be difficult to complete	Follow recommended drive cycles. See OBDR clearinghouse. Otherwise test as normal.
Ford	2003	Focus	Monitors may be difficult to complete	Powertrain control module needs to be updated. See TSB 06-7-5. Otherwise test as normal.
Hyundai	2002	Sonata	Monitors are difficult to complete; perform drive cycle 2 times	Follow drive cycle in TSB #02-36-030 applies. Otherwise test as normal.
Hyundai	2003	Tiburon	Will not communicate with generic OBDR test equipment	A manufacturer recall is in effect; recall campaign #057 and Hyundai TSB #03-01-003-01. Otherwise test as normal.
Infiniti	1996	All models	Catalyst and evaporative system monitors are difficult to complete	Follow drive cycle in TSB #NTB98-018, February 18, 1998. Otherwise test as normal.
Jeep	2005-6	Wrangler	Oxygen sensor heater readiness status bit remains incomplete.	TSB #25-001-07
Jeep	2010-11 built before 09/02/10	Wrangler with 3.8L engine	Downstream oxygen sensor monitor may not set to ready	TSB #18-027-10
Maserati	2005+	All models	VIN may not display properly on hand held scan tools	See TSB# MTB 148A Writing
Mitsubishi	1996-1998	All models	Some monitors are difficult to complete	Test without regard to readiness status.

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Make	Model Year	Model	Problem	Action
Mitsubishi	1998-2001	Montero, Montero Sport, Diamante, 3000GT, Mirage, Galant, Expo/Expo LRV, and Eclipse models (except 2.0L non-turbo 420A engine models)	Some monitors are difficult to complete	Follow recommended drive cycles in Mitsubishi service manual. Otherwise, test as normal.
Nissan	1996-1997	All models	Catalyst and evaporative system monitors are difficult to complete	Follow recommended drive cycles. See Nissan TSB #NTB98-018, January 3, 2002. Otherwise, test as normal.
Nissan	1999-2006	All models	Monitors can be difficult to complete	Follow owner's manual drive cycle to achieve readiness. Otherwise, test as normal.
Plymouth	1996 built prior to 11/21/95	Breeze, Neon	All monitors reset to incomplete upon every ignition key-off	Recall campaign #678 applies to California certified vehicles in California. TSB #18-005-01 applies to all other vehicles with a lifetime warranty.
Saab	1996-1998	900 (B234i with Motronic 4.1)	Monitors are difficult to complete	Saab Service Instruction No. 248 describes the correct drive cycle for completion of the monitors. Otherwise, test as normal.
Saab	1996-1998	All models	Catalyst and evaporative system monitors are difficult to complete	The OBD readiness criteria for this vehicle allow two monitors to be incomplete. Test as normal.
Subaru	1996	All models	Readiness cleared at key-off	Scan vehicle for MIL illumination without regard to readiness.
Suzuki	2001	Aerio	Monitors can be difficult to complete	Follow drive cycle. See OBD Clearinghouse or Suzuki service information.
Suzuki	2004	Forenza	Monitors can be difficult to complete	Follow drive cycle. See OBD Clearinghouse or Suzuki service information.
Toyota/Lexus	1996-2006	All models	Monitors can be difficult to complete	Follow drive cycles in Toyota service information.
Toyota	1996-1997	Tercel, Paseo	Evaporative system monitor will never complete or is unsupported	The OBD readiness criteria for these model years allow two monitors to be incomplete. Test as normal.
Volvo	1996-1998	All models excluding the 850 Turbo	Catalyst and evaporative system monitors are difficult to complete	Follow recommended drive cycles in Service Bulletin 2-23-0056. Otherwise test as normal.
Volvo	1996	850 Turbo	Vehicle clears readiness at key-off	Scan for MIL illumination without regard to readiness status. See Volvo SB-2-23-0056.
Volvo	2004-2006	S40, V50	Air conditioning monitor mistakenly set to supported instead of unsupported	Ignore A/C monitor status and otherwise test as normal.
Volvo	2005-2007	XC90	Air conditioning monitor mistakenly set to supported instead of unsupported	Ignore A/C monitor status and otherwise test as normal.

Flex Fuel Vehicle Testability Issues ²					
Model Year	Model	Engine	Engine Family and VIN	Problem	Action
Chrysler					
1998	Chrysler Caravan and Town and Country / Dodge Caravan / Plymouth Voyager	3.3L V-6 (E85)	WCRXT03.32BP (VIN 8 th digit: G)	All monitors disabled for operation >E30 and ethanol fuel content learning.	Test without regard to monitor readiness
1999	Chrysler Town and Country / Dodge Caravan / Plymouth Voyager	3.3L V-6 (E85)	XCRXT03.32BP (VIN 8 th digit: G)	Desensitized system monitors: <ul style="list-style-type: none"> • fuel system rail check only for >E30; • fuel system rich for >E50; • fuel system lean and misfire for E0-E10 and coolant temp >230 deg. F; • purge flow check. 	
2000	Chrysler Caravan, Voyager, and Town and Country / Dodge Caravan / Plymouth Voyager	3.3L V-6 (E85)	YCRXT03.32BP (VIN 8 th digit: G)		
Ford					
2002	Ford Ranger 2-wheel drive	3.0L V-6 (E85)	2FMXT03.02F6 (50 State) (VIN 8 th digit: V)	Monitors Disabled for operation >E10 blends: catalyst. Desensitized evaporative leak/purge check monitor to detect gross leak for operation >E75 blends (monitor fully compliant up to E75 blends).	Test without regard to monitor readiness
General Motors					
2000	Chevrolet S-10/GMC Sonoma 2-wheel drive	2.2 L I-4 (E85)	YGMXT02.2121 YGMXT02.2122 (VIN 8 th digit: 5)	System monitors disabled for operation ≥E15 blends: O2 sensor heater, secondary air, catalyst. System monitors disabled for operation ≥E10 blends: evaporative leak check. Desensitized O2 sensor monitor implemented; only reports faults during operation ≤E15 blends.	Test without regard to monitor readiness
2001	Chevrolet S-10/GMC Sonoma 2-wheel drive	2.2 L I-4 (E85)	1GMXT02.2122 (VIN 8 th digit: 5)	System monitors disabled for operation ≥E15 blends: O2 sensor heater, secondary air, catalyst. System monitors disabled for operation ≥E10 blends: evaporative leak check. Desensitized O2 sensor monitor implemented; only reports faults during operation ≤E15 blends.	Test without regard to monitor readiness

² This table identifies Flexible Fuel Vehicles (FFV) that have a U.S. EPA exception from performing some OBD functions while under operation with an alternative fuel. Although some OBD functionality may not be present, the OBD inspection shall be performed for the operative monitors.

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Model Year	Model	Engine	Engine Family and VIN	Problem	Action
2002	Chevrolet S-10/GMC Sonoma 2-wheel drive	2.2 L I-4 (E85)	2GMXT02.2122 (VIN 8 th digit: 5)	System monitors disabled for operation ≥E15 blends: O2 sensor heater, secondary air, catalyst. System monitors disabled for operation ≥E10 blends: evaporative leak check. Desensitized O2 sensor monitor implemented; only reports faults during operation ≤E15 blends.	
Isuzu					
2000	Hombre 2-wheel drive	2.2 L I-4 / (E85)	YGMXT02.2121 YGMXT02.2122 (VIN 8 th digit: 5)	This model shares a platform with the Chevrolet S-10 and GMC Sonoma. <i>For guidance on these models, please refer to General Motors section.</i>	Test without regard to monitor readiness
2001	Hombre 2-wheel drive	2.2 L I-4 / (E85)	YGMXT02.2121 YGMXT02.2122 (VIN 8 th digit: 5)		
Mazda					
2002	B3000 2-wheel drive	3.0 L V-6 (E85)	2FMXT03.02F6 (VIN 8 th digit: V)	This model shares a platform with the Ford Ranger. <i>For guidance on these models, please refer to Ford section.</i>	Test without regard to monitor readiness
2003	B3000 2-wheel drive	3.0 L V-6 (E85)	3FMXT03.02F6 (VIN 8 th digit: V)		