

Department of Consumer Affairs
Bureau of Automotive Repair

Smog Check Certificates and Equipment Use

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BAR Advisory Group

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BAR-97 Change Requests

- BAG members suggested these BAR-97 changes at the 7/23/2015 meeting:
 1. Decrease number of certificates in a book to reduce cost
 2. Block the BAR-97 from issuing certificates on OIS vehicles
 3. Allow certificates to move from a BAR-97 to an OIS (i.e., issue certificates to a station instead of to an analyzer)

1. Decrease Number of Certificates in a Book to Reduce Book Cost

- Moderate to high level of effort and complexity
- Change would impact BAR-97 and OIS
- Possible expensive BAR-97 software update
- Book of 10 certificates would cause busy stations to buy certs more frequently

2. Block BAR-97 from Issuing Certificates on OIS Vehicles

- High level of effort and complexity
- Would require on-line BAR-97 testing and addition of VIN decoder to properly ID vehicles
 - Information identifying vehicle as necessary to determine if OIS test required is not currently sent during initial VID call
- Expensive BAR-97 software update
- Substantial BAR effort to design, test, maintain for equipment with diminishing need
- Easy fix is to use OIS first on questionable vehicle

3. Allow Certificates to Move from a BAR-97 to an OIS

- High level of effort and complexity
- Would require issuing certificates to a station instead of a specific analyzer
- Would require online testing in order to track certificate use of BAR-97 for every inspection
- Would require significant, risky, and costly software change to BAR-97
- In the OIS, station owner or manager users can move equipment (DAD and computer) from one analyzer to another analyzer, to use up certificates

When to Use BAR-97 or OIS

- Per the Smog Check Manual:
 - All diesels subject to Smog Check require OIS
 - Most 2000 and newer gas powered require OIS
 - Exceptions requiring BAR-97 inspection
 - Over 14,000 GVWR
 - No OBDII
- Other reference materials:
 - Smog Check Requirements by Vehicle Type (next slide)
 - Smog Check OBD Reference Guide
- Use OIS to determine if BAR-97 required

Fuel Type	Model-Year	GVWR ¹	OBD II Equipped?	Smog Check Required		
				None	BAR-OIS Test	BAR-97 Test
All ² (except Diesel)	Four model-years and newer ³	All	All	X		
	Fifth and sixth model-years ⁴	All	All	X		
	1975 and earlier	All	All	X		
Gasoline & Flex Fuel (Methanol or Ethanol)	1976-1999	All	All			X
	2000 and newer	14,000 and less	Yes ⁵		X	
		Over 14,000	All	No		
Hybrid	2000 and newer	14,000 and less	All		X	
Dedicated Propane and Natural Gas (CNG, LNG, or LPG)	1976-1999	14,000 and less	All			X
		Over 14,000	All	X		
	2000 and newer	14,000 and less	Yes		X	
		Over 14,000	All	No		
Diesel	1976-1997	All	All	X		
	1998 and newer	14,000 and less	All		X	
		Over 14,000	All		X ⁶	
Full Electric Powered	All	All	All	X		
Motorcycle	All	All	All	X		
Other Vehicles: Two Cylinder Engine, Two-stroke Engine, Off-highway Registered	All	All	All	X		

¹ Gross vehicle weight rating

² Includes gasoline, flex fuel, hybrid, dedicated propane, and natural gas vehicles. A Smog Check is required for all out-of-state 1976 model-year and newer vehicles registering in California for the first time and other initial registration events determined by the Department of Motor Vehicles.

³ Vehicles four model-years and newer are not subject to biennial (every other year) or change-of-ownership Smog Checks. Add four to the model-year of a vehicle to determine the first year a vehicle will be subject to a change-of-ownership Smog Check. For example, a 2010 model-year vehicle will be first subject a change-of-ownership Smog Check in 2014 (2010+4=2014).

⁴ Fifth and sixth model-year vehicles are not subject to biennial Smog Checks. However, a change-of-ownership Smog Check is required. Add six to the model-year of a vehicle to determine the first year a vehicle will be subject to a biennial Smog Check. For example, a 2010 model-year vehicle will be first subject to a biennial Smog Check in 2016 (2010+6=2016).

⁵ In the future, BAR may identify some vehicles that have GVWR of 14,000 and less or that have problematic OBD II systems that may require the BAR-97 test.

⁶ Fleet vehicles are subject to the ARB Periodic Smoke Inspection Program (PSIP).

OIS Indicates BAR-97 Required on Gas Powered Vehicles Without OBDII

- Vehicle returns data indicating it is NOT OBDII (Mode \$01 PID \$1C request)
- If vehicle does not have OBDII, Inspector must choose “No” at this screen



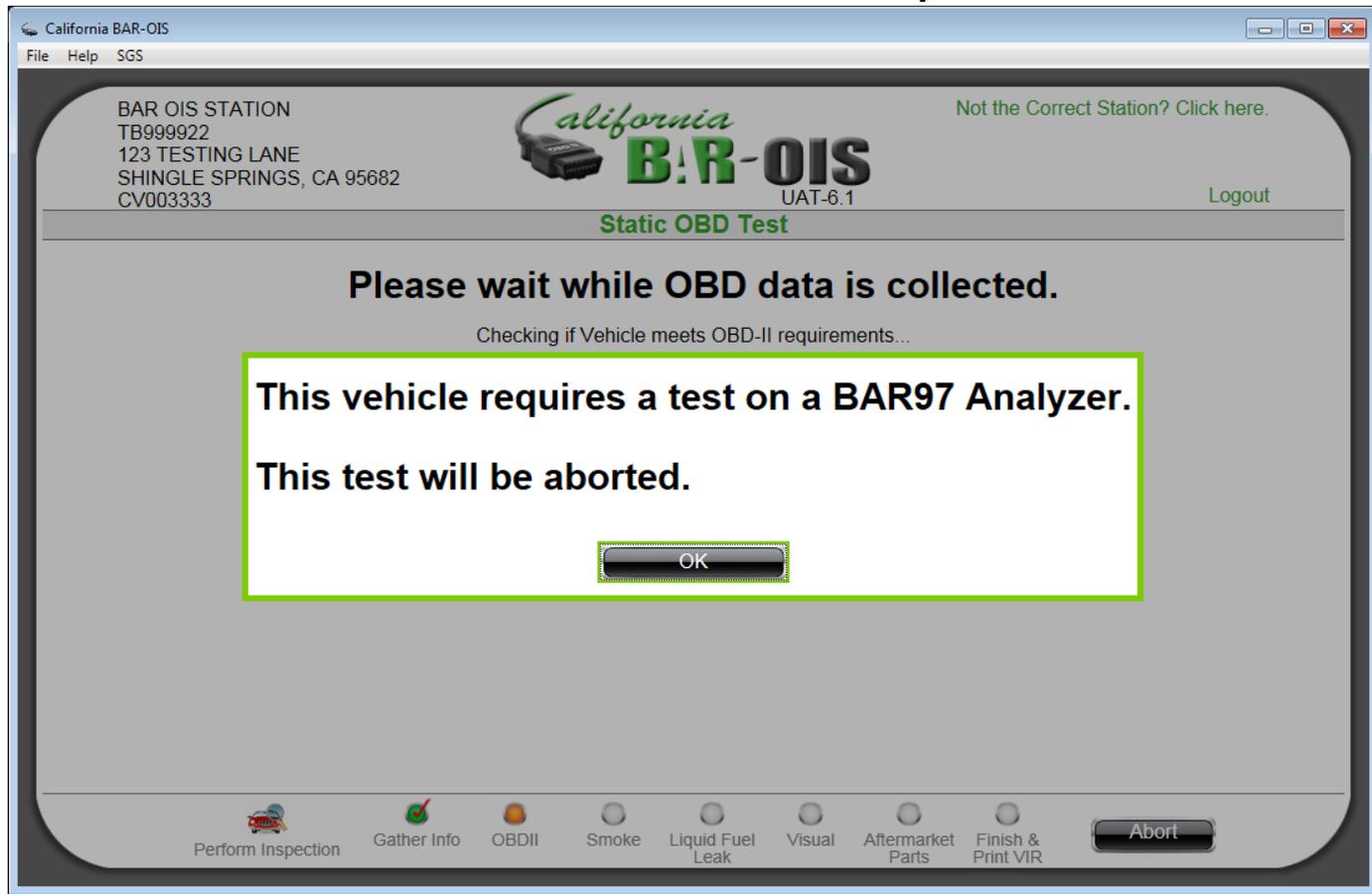
OIS Indicates BAR-97 Required on Gas Powered Vehicles Without OBDII

- Use VECI label to determine if vehicle has OBDII
- Just because a vehicle has a DLC (OBD port) and or MIL does not mean the vehicle is OBDII certified



OIS Indicates BAR-97 Required on Gas Powered Vehicles Without OBDII

- If “No” OBDII entered, BAR97 test required indicated



OIS Certificates Blocked when Vehicle Too Old



OIS Certificates Blocked when Gas Vehicle Too Heavy



Questions and Comments

Submit additional questions and/or comments to:

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