

Department of Consumer Affairs  
Bureau of Automotive Repair

# BAR-97 Update

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BAR Regulatory Workshop

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# Regulation Changes

- Regulation Text
- Smog Check Manual
- BAR-97 Specification

# Regulation Text

- §3340.17
  - EIS must meet 2017 version of BAR-97 specification

# Regulation Text

- §3340.41
  - (a) Added OIS to providing VIR to customer
  - (b) Added OIS to unauthorized access and equipment tamper
  - (c) Added OIS to incorrect vehicle ID or false information entry

# Regulation Text

- §3340.45
  - (a)(1) Revised to refer to current 2013 Smog Check Manual
  - (a)(2) Revised to refer to 2017 Smog Check Manual becoming effective on or after July 1, 2017

# 2017 Smog Check Manual Changes

- *Key on - Engine off* when checking for liquid fuel leaks on hybrids and stop-start vehicles
- Appendix C (formerly Appendix G) added to identify aftermarket parts that require verification of an Executive Order (EO) exemption

# 2017 Smog Check Manual Changes

- Appendix C Example

<u>Emission Control System</u>	<u>Aftermarket Parts Verification</u> <u>Add-on / Modified Part(s) / ECS Changes</u>	<u>Requires Verification of EO During Inspection</u>	
		<u>Gasoline<sup>1</sup></u>	<u>Diesel</u>
<u>Air Induction</u>	<u>Air Cleaner / Assembly</u> – 1995 model-year and older without Thermostatic Air Cleaner. Changes are acceptable provided all required emission controls are connected and appear functioning.		
	<u>Air Cleaner / Assembly</u> – 1996 model-year and newer and all years equipped with Thermostatic Air Cleaner	✓	
	<u>Air Flow Sensor</u>	✓	✓
	<u>Intake Manifold<sup>2</sup></u> – including diesel air horn or elbow.		
	<u>Intercooler</u> - <i>Equipped with the OEM turbocharger / supercharger</i>		✓
	<u>Turbocharger/Supercharger</u> - <i>Wastegate, pulleys, etc.</i>	✓	✓
<u>Computer Management</u>	<u>Variable or Alternate Tuning Devices</u> - “Modules,” “Chips,” “PROMs,” “Tuners,” “Pods,” or any device that modifies or conditions ECU inputs or outputs. Including, but not limited to, devices that plug into the ECU, wiring harness, or the OBD connector. (DLC plug-in telemetry or read-only devices are allowed without EO).	✓	✓

# 2017 Smog Check Manual Cleanup

- LPFET test not required on vehicles with fuel tank size greater than 50 gallons
- Any station may inspect a gross polluter but only STAR and Referee can certify one
- Dedicated propane and natural gas vehicles over 14,000 GVWR do not require inspection

# 2017 Smog Check Manual Cleanup

- Footnote #4 in Test Requirements Table
  - revised to say vehicles with problematic OBDII systems requiring BAR-97 inspection will be identified by BAR
- Vehicles identified in BAR's Smog Check OBD Reference document
  - [www.bar.ca.gov](http://www.bar.ca.gov)

# BAR-97 Specification

- Requires Internet connection to VID and deletes modem requirements
- Updates operating system software
  - (Windows 7 or higher)
- Requires computer capable of running operating system
- Replaces floppy drive with USB drive

# BAR-97 Specification

- Revises “Referee / Test-Only” prompts to “Referee / STAR-Certified Station”
- Added text reminder
  - ALL DIESEL-FUELED VEHICLES AND 2000 MODEL YEAR AND NEWER GASOLINE-FUELED VEHICLES THAT ARE OBDII EQUIPPED MUST BE TESTED USING THE OIS

# BAR-97 Specification

- Collecting more gas calibration data
- Collecting dyno and gas bench manufacturer name
- Collecting ASM acceleration violation limit on/off status
- Transmits LPFET data to EIS

# Questions and Comments

Submit additional questions and/or comments to:

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