

Test-and-Repair Station Requirements Checklist



The purpose of this checklist is to help station owners, inspectors, and repair technicians pass the BAR Smog Check station inspection. All station requirements should be met before the station contacts their local BAR field office for an appointment. The station owner/manager, inspectors, and repair technicians must be present during the inspection. Please allow up to two hours for the BAR inspection. Re-inspections will result in station licensure delays.

STAR stations and standard stations must possess all required equipment, tools, and reference materials set forth in the *Smog Check Manual* for the type of vehicles being inspected. All equipment shall be on the premises, calibrated, and in working order. For more information, visit www.bar.ca.gov.

Station Licenses and Signs (Licenses and signs shall be posted in a conspicuous area frequented by consumers)
Valid automotive repair dealer registration.
Official automotive repair dealer sign.
Valid Smog Check inspector and repair technician license (as applicable).
Official Smog Check station sign.
Official Smog Check station service sign (if light duty only or heavy duty only station).
Inspection cost sign.
Notice to motorist's sign (cost limit).

Station Equipment	STAR Certified Station	Standard Station BAR-OIS⁽¹⁾	Standard Station BAR-97⁽²⁾
BAR-97 Emissions Inspection System (EIS).			
Internet connection to EIS.			
BAR approved EIS calibration gases.			
Ignition timing light with advanced features. ⁽³⁾			
Low-pressure fuel evaporative tester (LPFET).			
BAR certified fuel cap tester and adapters. ⁽³⁾			
BAR approved cooling fan (if performing ASM tests).			
BAR-OIS (On-Board Diagnostic (OBD) Inspection System (OIS) with hardware and software necessary to conduct an OBD inspection), including: <ul style="list-style-type: none"> • BAR certified data acquisition device (DAD). • Computer (32 or 64-bit Microsoft Windows operating system versions 7, 8.0, or 8.1; Internet Explorer version 9, 10, 11; Windows 8 RT is not compatible. • Printer (compatible with Windows operating system). • Bar code scanner (needed only for OIS download and registration). 			
Internet connection to OIS.			
Tools necessary to inspect vehicle ignition, fuel delivery, and emission control systems.			
Tire pressure gauge.			

Station Equipment Continued	STAR Certified Station	Standard Station BAR-OIS⁽¹⁾	Standard Station BAR-97⁽²⁾
Hand vacuum pump and gauge.			
Compression tester.			
Fuel pressure gauge.			
Tachometer/dwell meter.			
Propane enrichment kit.			
Electronic device with adjustable voltage and timescales capable of graphically displaying electrical signals. The device shall capture and display high frequency abnormal signals, regardless of timescale or screen refresh rate.			
High impedance digital volt/ohm meter and ammeter capable of measuring amps and milliamps.			
Hand tools necessary to adjust, maintain and repair vehicle ignition, fuel, and emission control systems.			
Device capable of retrieving vehicle computer trouble codes, with its operating instruction. This device shall display and store live streaming OBD data and shall have bi-directional capabilities. Hardware and software in the device shall be updated to the current available calendar year.			
Diagnostic and repair tools for ignition, fuel, emission control, computer engine control systems, and other related components for each vehicle type that the station diagnoses and repairs.			
Ignition analyzer/oscilloscope that displays at least: primary ignition system voltage and coil oscillations and firing voltage and spark duration of the secondary ignition system. For distributor equipped vehicles, the device shall display this information for all cylinders at the same time.			
Device capable of accessing the BAR website for the purpose of entering repair data.			

Station Reference Material and Records	STAR Certified Station	Standard Station BAR-OIS⁽¹⁾	Standard Station BAR-97⁽²⁾
BAR certified fuel cap adapter guide. ⁽³⁾			
Low-pressure fuel evaporative tester (LPFET) operator's manual.			
Current <i>Smog Check Manual</i> and Smog Check Reference Guide.			
Most current emission control system (ECS) application guides.			
Diagnostic and repair information for all vehicles being tested and repaired.			
Vacuum routing and electronic component location guides.			
Electronic component location manuals.			
BAR ET Blasts dated after January 1, 2012, relevant to any vehicle inspection procedure.			
Technical service bulletins and manufacturer recall notices.			

Other Requirements	STAR Certified Station	Standard Station BAR-OIS ⁽¹⁾	Standard Station BAR-97 ⁽²⁾
EIS passes gas calibration and leak test with dual exhaust probe hose connected.			
A licensed Smog Check inspector/repair technician present during all hours the station is open for testing and/or repairing vehicles. Testing and/or repairing of vehicles shall be performed by a licensed inspector and/or repair technician, consistent with their license classification.			
Station has enrolled with BAR's Vehicle Information Database (VID) contractor to pay for VID transaction fees and inspection certificates.			
Testing of vehicles shall be performed only in a work area within a building and shall be large enough to accommodate the types of vehicles' being services.			
Station must follow requirements of maintenance of records.			

- 1) Required to perform OBD tests on 2000 model year and newer vehicles.
- 2) Required to perform emissions testing (ASM dynamometer required in Enhanced Program Areas).
- 3) Required to test 1976-1995 model year vehicles.

Disclaimer: This checklist is for guidance only. It is the responsibility of station owners, inspectors, and repair technicians to be in compliance with all State of California laws and regulations applicable to Smog Check inspection procedures and station requirements. Refer to the State of California laws and regulations and the *Smog Check Manual* available on the BAR website www.bar.ca.gov for specific station requirements.