

Test and Repair Station Requirements Checklist



The purpose of this checklist is to help station owners, technicians and inspectors 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, technician and inspector 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 as 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.

Stations Licenses and Signs (Licenses and Signs shall be posted in a conspicuous area frequented by consumers)

- Valid Automotive Repair Dealer (ARD) Registration
- Official Automotive Repair Dealer (ARD) Sign
- Valid Smog Check Inspector/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 Consumers Sign (cost limit)

Station Equipment	STAR Certified Station	Standard Station	
		BAR-OIS ⁽²⁾	BAR-97 ⁽¹⁾
BAR-97 Emissions Inspection System (EIS)	<input type="checkbox"/>		<input type="checkbox"/>
Telephone line connection to EIS	<input type="checkbox"/>		<input type="checkbox"/>
Low-Pressure Fuel Evaporative Tester (LPFET)	<input type="checkbox"/>		<input type="checkbox"/>
Ignition timing light with advance feature ⁽³⁾	<input type="checkbox"/>		<input type="checkbox"/>
BAR approved EIS calibration gases	<input type="checkbox"/>		<input type="checkbox"/>
BAR certified fuel cap tester and adapters ⁽³⁾	<input type="checkbox"/>		<input type="checkbox"/>
BAR approved cooling fan	<input type="checkbox"/>		<input type="checkbox"/>
BAR-OIS (On-Board Diagnostic (OBD) Inspection System (OIS) with hardware and software necessary to conduct an OBD inspection)			
➤ BAR Certified Data Acquisition Device (DAD)	<input type="checkbox"/>	<input type="checkbox"/>	
➤ Computer (32 or 64 bit Microsoft Windows operating system versions 7, 8.0, or 8.1; Internet Explorer version 9, 10, or 11; Windows 8 RT is not compatible)	<input type="checkbox"/>	<input type="checkbox"/>	
➤ Printer (compatible with Windows operating system)	<input type="checkbox"/>	<input type="checkbox"/>	
➤ Bar Code Scanner (needed only for OIS download and registration)	<input type="checkbox"/>	<input type="checkbox"/>	
High speed/broadband internet connection to OIS	<input type="checkbox"/>	<input type="checkbox"/>	

Station Equipment Continued	STAR Certified Station	Standard Station	
		BAR-OIS ⁽²⁾	BAR-97 ⁽¹⁾
Hand vacuum pump and gauge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compression Tester	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuel pressure gauge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tire pressure gauge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tachometer/Dwell Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Propane enrichment kit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High impedance digital volt/ohm meter and ammeter capable of measuring amps and milliamps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tools necessary to inspect vehicle ignition, fuel delivery, and emission control systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hands tools necessary to adjust, maintain and repair vehicle ignition, fuel, and emissions control systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device capable of accessing the BAR website for the purpose of entering repair data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station Reference Material and Records			
BAR certified Fuel Cap Adapter Guide ⁽³⁾	<input type="checkbox"/>		<input type="checkbox"/>
Low-Pressure Fuel Evaporative Tester (LPFET) Operator's Manual	<input type="checkbox"/>		<input type="checkbox"/>
Current Smog Check Manual and Reference Guide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Most current Emission Control System (ECS) application guides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic and repair information for all vehicles being tested and repaired	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vacuum routing and electronic component location guides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electronic component location manuals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BAR ET Blasts dated after January 1, 2012, relevant to any vehicle inspection procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical Service bulletins and manufacturer recall notices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Requirements	STAR Certified Station	Standard Station	
		BAR-OIS ⁽²⁾	BAR-97 ⁽¹⁾
EIS passes gas calibration and leak test with dual exhaust probe hose connected	<input type="checkbox"/>		<input type="checkbox"/>
A licensed Smog Check Technician/Inspector present during all hours the station is open for the 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station has enrolled with SGS Testcom if purchasing certificates electronically	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Testing of vehicles shall be performed only in a work area within a building and shall be large enough to accommodate the type of vehicles' being serviced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station must follow requirements of maintenance of records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

¹⁾ Required to perform emissions testing (ASM Dynamometer required in Enhanced Program Areas)

²⁾ Required to perform OBD tests on 2000 model year and newer vehicles

³⁾ Required to test 1976-1995 model year vehicles

Disclaimer: This checklist is for guidance only. It is the responsibility of station owners and inspectors 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 2013 Smog Check Manual available on the BAR Web site at www.smogcheck.ca.gov for specific Test-Only station requirements.