

Repair-Only Station Requirements Checklist



The purpose of this checklist is to help station owners and 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 and technician must be present during the inspection. Please allow up to two hours for the BAR inspection. Re-inspections will result in station licensure delays.

Smog Check Repair-Only stations must possess all required equipment, tools, and reference materials for the type of vehicles being repaired. All equipment shall be on the premises, calibrated, and in working order.

Station Licenses and Signs (*Licenses & Signs shall be posted conspicuously in an area frequented by customers*)

- Valid Automotive Repair Dealer (ARD) Registration
- Official Automotive Repair Dealer (ARD) Sign
- Valid Smog Check Repair Technician License
- Official Smog Check Repair-Only Station Sign
- Notice to Consumers (Cost Limit) Sign

Station Equipment

- Diagnostic equipment and repair tools that are capable of diagnosing and repairing engine ignition systems, fuel systems, emission control systems, computer engine control systems, and other related components for each vehicle type that the station diagnoses and repairs. The equipment or repair tools may be separate units or part of a multi-functional unit.
- 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. (*Not required at diesel only repair stations*)
- Ignition timing light with advance feature
- Hand vacuum pump and gauge
- Compression Tester
- Tachometer/Dwell Meter (*Not required at diesel only repair stations*)
- Fuel Pressure Gauge capable of measuring the higher pressures of fuel-injected vehicles
- Propane enrichment kit CCR (*Not required at diesel only repair stations*)
- Ammeter capable of measuring amps and milliamps
- High impedance digital volt/ohmmeter
- Hand tools necessary to adjust, maintain, and repair vehicular ignition, fuel delivery, and emission control systems
- A 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.
- 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.
- Tire pressure gauge
- Device capable of accessing the BAR website for the purpose of entering repair data

Station Reference Material and Records

- Diagnostic and repair information for all vehicles being tested and repaired
- Most current available Emission Control System (ECS) application guides
- Most current Smog Check Manual and Reference Guide
- Technical Service Bulletins and manufacturer recall notices
- Vacuum routing and electronic component location guides

Other Requirements

- Approved work area
- A licensed Smog Check Repair Technician must be available during all hours the station is open for the business of repairing vehicles
- Required maintenance of records

Disclaimer: This checklist is for guidance only. It is the responsibility of station owners and technicians to be in compliance with all State of California Laws and Regulations applicable to Smog Check repair 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 Repair-Only station requirements.