

Assessment: Oregon Automotive Assessment 2014

Standard Set: OR Automotive Assessment Standards 2014

Filters:

Assessment Date (2014-05-05:2014-06-09)

All Standards

Accumulating results

Number tested: 75

1) Engine Repair

1) General

- 1) 79% can check and adjust fluid level per Manufacturers specifications.
- 2) 65.87% can inspect vehicle for fuel, oil, coolant, and other leaks; determine necessary action.
- 3) 56% can install engine covers using gaskets, seals, and sealers as required.
- 4) 41.33% can perform engine oil and filter change.
- 5) 42.67% can remove and replace timing belt; verify correct camshaft timing.
- 6) 49.33% can verify operation of the instrument panel engine warning indicators.
- 7) 72.44% can research applicable vehicle and service information, vehicle service history, service precautions, and technical service bulletins.

2) Suspension and Steering

1) Related Suspension and Steering Service

- 1) 64% can inspect rack and pinion steering gear inner tie rod ends (sockets) and bellows boots.
- 2) 73.33% can determine proper power steering fluid type; inspect fluid level and condition.
- 5) 25.33% can inspect pitman arm, relay (centerlink/intermediate) rod, idler arm and mountings, and steering linkage damper.
- 16) 77.33% can inspect rear suspension system leaf spring(s), spring insulators (silencers), shackles, brackets, bushings, center pins/bolts, and mounts.
- 17) 65.33% can inspect, remove, and replace shock absorbers; inspect mounts and bushings.

2) Wheel Alignment

- 1) 43.33% can perform prealignment inspection and measure vehicle ride height; determine necessary action.

3) Wheels and Tires

- 1) 52.89% can inspect tire condition; identify tire wear patterns; check for correct size and application (load and speed ratings) and adjust air pressure; determine necessary action.
- 3) 73.33% can dismount, inspect, and remount tire on wheel; balance wheel and tire assembly (static and dynamic).

3) Brakes

1) Hydraulic System

- 1) 64.67% can measure brake pedal height, travel, and free play (as applicable); determine necessary action.
- 2) 61.33% can check master cylinder for external leaks and proper operation.
- 3) 66% can inspect brake lines, flexible hoses, and fittings for leaks, dents, kinks, rust, cracks, bulging, wear, loose fittings and supports; determine necessary action.
- 4) 44% can select, handle, store, and fill brake fluids to proper level.
- 5) 60% can bleed and/or flush brake system.

2) Drum Brakes

- 1) 68% can remove, clean, inspect, and measure brake drum diameter; determine necessary action.
- 3) 34.67% can remove, clean, and inspect brake shoes, springs, pins, clips, levers, adjusters/self-adjusters, other related brake hardware, and backing support plates; lubricate and reassemble.
- 4) 77.33% can install wheel and torque lug nuts.

3) Disc Brakes

- 1) 62.67% can remove and clean caliper assembly; inspect for leaks and damage/wear to caliper housing; determine necessary action.
- 2) 49.33% can clean and inspect caliper mounting and slides/pins for proper operation, wear, and damage; determine necessary action.
- 3) 76% can remove, inspect, and replace pads and retaining hardware; determine necessary action.
- 4) 82.67% can lubricate and reinstall caliper, pads, and related hardware; seat pads and inspect for leaks.
- 5) 72% can clean and inspect rotor, measure rotor thickness, thickness variation, and lateral runout; determine necessary action.
- 7) 22.67% can refinish rotor off vehicle; measure final rotor thickness and compare with specifications.

4) Power-Assist Units

- 1) 56% can check vacuum supply (manifold or auxiliary pump) to vacuum-type power booster.

5) Miscellaneous (Wheel Bearings, Parking Brakes, Electrical, Etc.)

- 1) 50.67% can remove, clean, inspect, repack, and install wheel bearings; replace seals; install hub and adjust bearings.
- 2) 57.33% can check parking brake operation and parking brake indicator light system operation; determine necessary action.

4) Electrical/Electronic Systems

1) General

- 3) 40% can demonstrate proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop (including grounds), current flow, and resistance.

2) Battery Service

- 1) 42.67% can perform battery state-of-charge test; determine necessary action.
- 6) 32% can jump-start vehicle using jumper cables and a booster battery or an auxiliary power supply.

3) Starting System

- 1) 26.67% can perform starter current draw test; determine necessary action.
- 3) 60% can remove and install starter in a vehicle.

4) Charging System

- 1) 69.33% can perform charging system output test; determine necessary action.
- 2) 56.44% can inspect, adjust, or replace generator (alternator) drive belts; check pulleys and tensioners for wear; check pulley and belt alignment.

5) Lighting Systems

- 1) 68% can inspect interior and exterior lamps and sockets including headlights and auxiliary lights (fog lights/driving lights); replace as needed.

6) Accessories

5) Engine Performance

1) General

2) 52% can perform cylinder cranking and running compression tests; determine necessary action.

2) Computerized Engine Controls

1) 56% can retrieve and record diagnostic trouble codes, OBD monitor status, and freeze frame data; clear codes when applicable.

3) Fuel, Air Induction, and Exhaust Systems

2) 68% can inspect, service, or replace air filters, filter housings, and intake duct work.

6) Required Supplemental Tasks

1) Shop and Personal Safety

1) 98.67% can identify general shop safety rules and procedures.

2) 92% can utilize safe procedures for handling of tools and equipment.

3) 98.67% can identify and use proper placement of floor jacks and jack stands.

5) 80% can utilize proper ventilation procedures for working within the lab/shop area.

7) 53.33% can identify the location and the types of fire extinguishers and other fire safety equipment; demonstrate knowledge of the procedures for using fire extinguishers and other fire safety equipment.

11) 97.33% can identify and wear appropriate clothing for lab/shop activities.

12) 96% can secure hair and jewelry for lab/shop activities.

13) 42.67% can demonstrate awareness of the safety aspects of supplemental restraint systems (SRS), electronic brake control systems, and hybrid vehicle high voltage circuits.

15) 46.67% can locate and demonstrate knowledge of material safety data sheets (MSDS).

2) Tools and Equipment

1) 69.33% can identify tools and their usage in automotive applications.