FREE PRACTICE QUESTIONS · 310S

TEN FREE 310S AUTOMOTIVE SERVICE TECHNICIAN PRACTICE QUESTIONS.

QUESTIONS	COST	LAST CHECKED
10, multiple choice, answers explained	Free. No account, no email	October 2, 2026

Ten 310S Automotive Service Technician questions in the format of the Red Seal exam: four options, one correct answer, no trick questions. They are free to use, print and share. There is nothing to sign up for on this page.

01 How to use these

The questions come from the TicketPrep 310S bank and are spread across the exam's work activities in the order and roughly the proportion the Red Seal Program publishes for this trade: A (performs common occupational skills), B (diagnoses and repairs engine and engine support systems), C (diagnoses and repairs vehicle module communications systems), D (diagnoses and repairs driveline systems), E (diagnoses and repairs electrical and comfort control systems), F (diagnoses and repairs steering, suspension, braking and control systems, tires, hubs and wheel bearings), G (diagnoses and repairs restraint systems, body components, accessories and trim). Answer each one before opening the explanation. Every explanation covers all four options, because on the real exam the wrong options are written to be plausible, and knowing *why* they are wrong is most of the skill.

- **Pace.** The exam allows four hours for 125 questions, so about 1 min 55 s per question. Try these at that pace.
- **Print.** The printed version shows the questions and the answer key without the explanations, so it works as a handout.

– **Mark.** The pass mark is 70 percent on every Red Seal trade; seven of ten here is the same bar.

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02 The questions

Q1 · CRITICAL · PERFORMS COMMON OCCUPATIONAL SKILLS

A technician removes an undeployed driver's airbag module from the steering wheel to replace a clockspring. How should the module be placed on the bench while the work is done?

A. Trim cover facing up, away from the edge of the bench

B. Inside a closed steel toolbox drawer for security

C. Trim cover facing down so the connector is easy to reach

D. On its side on the front passenger seat

Q2 · CRITICAL · DIAGNOSES AND REPAIRS ENGINE AND ENGINE SUPPORT SYSTEMS

A vehicle with an oil-to-coolant engine oil cooler has an oily film and sludge in the coolant expansion tank. The engine oil on the dipstick is clean and at the correct level, and there is no white exhaust smoke. What is the most likely cause?

A. A failed water pump seal

B. The oil cooler is leaking internally

C. Worn valve guide seals

D. A blown head gasket between a cylinder and a coolant passage

Q3 · CRITICAL · DIAGNOSES AND REPAIRS ENGINE AND ENGINE SUPPORT SYSTEMS

A vehicle has a rough idle and P0171. Long-term fuel trim is +24 % at idle and +3 % at 2500 rpm cruise. Fuel pressure is within specification. What is the most likely cause?

A. A contaminated MAF sensor over-reporting airflow

B. A vacuum leak after the mass airflow sensor

C. A leaking fuel injector

D. A restricted fuel filter

Q4 · PROCEDURAL · DIAGNOSES AND REPAIRS VEHICLE MODULE COMMUNICATIONS SYSTEMS

Before clearing DTCs from a vehicle with a MIL on, what should the technician do first?

A. Replace the component named in the first code

B. Disconnect the battery for ten minutes to make sure all codes clear

C. Clear them, then road-test to see which ones return

D. Record all codes, their status, and the freeze-frame data

Q5 · CRITICAL · DIAGNOSES AND REPAIRS DRIVELINE SYSTEMS

A car with a manual transmission makes a growling noise with the engine idling in neutral and the clutch pedal released. When the clutch pedal is pushed to the floor, the noise stops. What is the most likely source?

A. The transmission input shaft bearing

B. The pilot bearing

C. The output shaft bearing

D. The clutch release bearing

Q6 · CRITICAL · DIAGNOSES AND REPAIRS ELECTRICAL AND COMFORT CONTROL SYSTEMS

A headlamp is dim on one side. With the lamp switched on, a technician measures 0.8 V between the lamp's ground terminal and the battery negative post. The specification is 0.2 V maximum. What does the reading indicate?

A. A weak battery

B. Excessive resistance in the headlamp's feed circuit

C. Excessive resistance in the lamp's ground circuit

D. A shorted headlamp bulb

Q7 · PROCEDURAL · DIAGNOSES AND REPAIRS ELECTRICAL AND COMFORT CONTROL SYSTEMS

A 12 V battery is being replaced on a late-model vehicle equipped with a battery monitoring / energy management system. What additional step does the manufacturer's procedure typically require?

A. Reprogram the engine control module with a new calibration file

B. Fit the same battery type; no scan-tool step is needed

C. Register the new battery to the vehicle with a scan tool

D. Unplug the battery sensor to clear its stored data

Q8 · CRITICAL · DIAGNOSES AND REPAIRS STEERING, SUSPENSION, BRAKING AND CONTROL SYSTEMS, TIRES, HUBS AND WHEEL BEARINGS

A vehicle pulls to the left on a level road. The alignment machine shows front camber: left +0.9°, right −0.2°; specification 0.0° ± 0.5°, maximum cross-camber 0.5°. Caster and toe are within specification. What does this indicate?

A. Cross-camber is normal and is built in to offset road crown

B. The camber split of 1.1° is the cause and the left side needs correcting

C. Camber this small never causes a pull; look for a radial tire pull

D. The vehicle is pulling toward the side with the more negative camber

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Q9 · PROCEDURAL · DIAGNOSES AND REPAIRS STEERING, SUSPENSION, BRAKING AND CONTROL SYSTEMS, TIRES, HUBS AND WHEEL BEARINGS

When performing a four-wheel alignment on a vehicle with adjustable camber, caster and toe, in what order should the front angles be set?

A. The order does not matter on modern alignment machines

B. Caster first, then toe, then camber

C. Camber and caster first, then toe last

D. Toe first, then camber, then caster

Q10 · CRITICAL · DIAGNOSES AND REPAIRS RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM

The SRS warning lamp is on. A scan tool shows a DTC for high resistance in the driver airbag (squib) circuit, and the code sets and clears intermittently as the steering wheel is turned lock to lock. Which component is the most likely cause?

A. A weak vehicle battery

B. A faulty front crash sensor

C. A corroded ground for the SRS control module

D. A worn clock spring in the steering column

03 Answer key

QUESTION	ANSWER	WORK ACTIVITY
Q1	A	Performs common occupational skills
Q2	B	Diagnoses and repairs engine and engine support systems
Q3	B	Diagnoses and repairs engine and engine support systems
Q4	D	Diagnoses and repairs vehicle module communications systems
Q5	A	Diagnoses and repairs driveline systems
Q6	C	Diagnoses and repairs electrical and comfort control systems
Q7	C	Diagnoses and repairs electrical and comfort control systems
Q8	B	Diagnoses and repairs steering, suspension, braking and control systems, tires, hubs and wheel bearings
Q9	C	Diagnoses and repairs steering, suspension, braking and control systems, tires, hubs and wheel bearings

QUESTION	ANSWER	WORK ACTIVITY
Q10	D	Diagnoses and repairs restraint systems, body components, accessories and trim

04 More free questions

For the 310S exam itself, the 310S exam guide covers the work activities, their weights and how the exam is scored, and the 310S Automotive Service Technician practice exam page describes the full TicketPrep 310S question bank. The same free format is available for the other 11 trades, plus the free guides on the pass mark, question counts, exam day and how to study.

310T
Truck and Coach Technician questions

309A
Electrician questions

403A
Carpenter questions

421A
Heavy Duty Equipment Technician questions

332A
Hairstylist questions

433A
Industrial Mechanic Millwright questions

313A
Refrigeration & AC Systems Mechanic questions

415A
Cook questions

307A
Steamfitter/Pipefitter questions

456A
Welder questions

306A
Plumber questions

HUB
All free practice questions

GUIDES

The Red Seal exam, explained

How these questions are written and checked: how our questions are made. Found a mistake? Tell us and we will fix it.

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05 Questions by exam block

Working on one part of the 310S exam? Each block has its own page with five more free questions, the tasks the block covers and their weights.

BLOCK A · 7.2% OF THE EXAM

Safety, Tools & Shop Skills

BLOCK B · 17.6% OF THE EXAM

Engine, Fuel & Emissions

BLOCK C · 9.6% OF THE EXAM

CAN Bus & Module Programming

BLOCK D · 13.6% OF THE EXAM

Driveline & Transmissions

BLOCK E · 18.4% OF THE EXAM

Electrical & HVAC Systems

BLOCK F · 18.4% OF THE EXAM

Brakes, Steering & Suspension

BLOCK G · 8% OF THE EXAM

Airbags, Body & Trim

BLOCK H · 7.2% OF THE EXAM

Hybrid & EV Systems