

# AUTOMOTIVE MAINTENANCE - LEADER KEY

## SAINTS GLOBAL MEMBER

NAME: \_\_\_\_\_

BATTALION: \_\_\_\_\_

TROOP: \_\_\_\_\_

## SKILL BADGE ADVISOR

NAME: \_\_\_\_\_

EMAIL: \_\_\_\_\_

PHONE: \_\_\_\_\_

LEADER KEY

WITH EVALUATION HINTS

*\*Gold boxes contain leader hints for evaluating each requirement*

## STEP 1 | DISCOVER

INITIALS \_\_\_\_\_

- a) Explain the most likely hazards in automotive maintenance and demonstrate the safety practices that prevent injury or damage. \_\_\_\_\_

 LEADER KEY

Look for practical, specific safety behavior rather than vague caution.

- b) Using a vehicle owner's manual, explain the maintenance schedule, key warning indicators, and the purpose/limits of seatbelts and passive restraints. \_\_\_\_\_

 LEADER KEY

Ensure the Saint can navigate the manual independently.

- c) Explain the basics of vehicle registration and inspections in your state (safety/emissions as applicable), and summarize why compliance matters. \_\_\_\_\_

 LEADER KEY

Confirm the Saint understands compliance as responsibility, not paperwork.

- d) Explain different motor types you may encounter (gasoline, diesel, hybrid, electric) and describe safety boundaries for high-voltage systems. \_\_\_\_\_

 LEADER KEY

**STEP 2 | PLAN**

INITIALS

- a) Assemble an automotive maintenance kit and explain when each item is used for safety, inspection, or roadside readiness. \_\_\_\_\_

**♂ LEADER KEY**  
Look for practicality and correct tool-to-task reasoning.

- a.1) Identify PPE (eye protection, gloves) and where it is used \_\_\_\_\_
- a.2) Identify basic hand tools (screwdriver, pliers, socket/wrench) \_\_\_\_\_
- a.3) Identify roadside items (tire gauge, flashlight, reflective triangles, first aid kit) \_\_\_\_\_
- a.4) Explain why the owner’s manual belongs in the kit \_\_\_\_\_

- b) Plan a preventive maintenance checklist for a specific vehicle using the owner’s manual, prioritizing safety-critical items. \_\_\_\_\_

**♂ LEADER KEY**  
Ensure the checklist is realistic and aligned to the manual.

**STEP 3 | ACT**


INITIALS

- a) Perform a full under-hood fluid and battery inspection on a vehicle and explain what each fluid does and what ‘too low’ could cause. \_\_\_\_\_

**♂ LEADER KEY**  
Observe procedure quality and safe handling—no rushed shortcuts.

- a.1) Check engine oil level and interpret the result \_\_\_\_\_
- a.2) Check coolant level safely (cool engine) and identify correct coolant type from the manual \_\_\_\_\_
- a.3) Check brake fluid, power steering (if applicable), washer fluid, and transmission fluid (if accessible per manual) \_\_\_\_\_
- a.4) Inspect battery condition/terminals and explain safe handling \_\_\_\_\_

**b)** Inspect belts, hoses, filters, and lights, then report findings with a simple recommendation list. \_\_\_\_\_

 **LEADER KEY**  
Look for accurate observations and sensible recommendations.


**b.1)** Check belts and hoses for cracks, fraying, leaks, or loose fit \_\_\_\_\_

**b.2)** Locate and check air filter(s) (engine/cabin if applicable) \_\_\_\_\_

**b.3)** Test interior and exterior lights and identify any failures \_\_\_\_\_

**b.4)** Explain one maintenance recommendation based on what you found \_\_\_\_\_

**c)** Locate the fuse box(es), identify fuse types/sizes, and safely replace a fuse using the correct method (simulation or real burned-out fuse). \_\_\_\_\_

 **LEADER KEY**  
Safety and correct identification matter more than speed.

**c.1)** Use the manual diagram to locate fuse panels \_\_\_\_\_

**c.2)** Identify the correct fuse by label/position \_\_\_\_\_

**c.3)** Explain why the amperage rating must match \_\_\_\_\_

**c.4)** Demonstrate safe replacement procedure \_\_\_\_\_

- d) Perform a tire safety inspection, including pressure, tread, spare readiness, and disposal awareness, and explain alignment concepts at a high level. \_\_\_\_\_

 LEADER KEY

Ensure the Saint can correctly find specs and inflate safely.

- d.1) Find vehicle tire pressure spec (door jamb/manual) and inflate to spec \_\_\_\_\_
- d.2) Check spare tire readiness and required tools \_\_\_\_\_
- d.3) Explain tread wear indicators and why alignment matters \_\_\_\_\_
- d.4) Explain legal disposal options for old tires locally \_\_\_\_\_
- e) Demonstrate safe roadside readiness by performing one of the following, under adult supervision: (A) safe jumper-cable connection OR (B) correct jack placement and a tire change. \_\_\_\_\_

 LEADER KEY

This is a high-responsibility skill—observe calm, correct sequencing.

- e.1) Explain the safety checks before starting (parking brake, stable ground, hazards) \_\_\_\_\_
- e.2) Perform the chosen procedure safely and in correct order \_\_\_\_\_
- e.3) Explain what could go wrong and how you prevented it \_\_\_\_\_

f) Explain how brakes work (including ABS) and perform a basic brake condition check with a recommendation for next steps. \_\_\_\_\_

**♂ LEADER KEY**  
 Ensure the Saint stays within safe boundaries and makes conservative recommendations.

f.1) Explain disc vs drum at a high level \_\_\_\_\_

f.2) Identify symptoms of brake problems (feel, sound, warning light) \_\_\_\_\_

f.3) Perform a visual check where accessible (fluid level, visible pad/rotor if possible) \_\_\_\_\_

f.4) Make a safe recommendation (monitor, service soon, stop driving and inspect) \_\_\_\_\_

**STEP 4 | REFLECT**

INITIALS

a) Explain how preventative maintenance reflects stewardship—of safety, money, and responsibility to others on the road—and identify one habit you will keep when caring for vehicles. \_\_\_\_\_

**♂ LEADER KEY**  
 Look for a concrete, realistic habit commitment.

b) Identify one career pathway in the automotive industry and describe what training, tools, and character strengths it requires. \_\_\_\_\_

**♂ LEADER KEY**  
 Ensure the pathway discussion stays realistic and skill-based.

*Continue to next page for certification signature*

**END OF REQUIREMENTS**

**BY SIGNING BELOW, I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT ALL  
REQUIREMENTS WERE MET AT OR ABOVE THE REQUIRED STANDARDS AS OUTLINED  
IN THE BADGE REQUIREMENTS CHECKLIST.**

\_\_\_\_\_  
SKILL BADGE ADVISOR

\_\_\_\_\_  
DATE (YYYY-MM-DD)