



ANOTHER TOUCH

LESSON 2

INTRODUCTION TO THE VEHICLE AND CONTROLS

– THE ROUTINE CHECKS

INTRODUCTION



- **PURPOSE OF THIS PRESENTATION:** To educate us on Vehicle components, control systems and Routine Checks for Optimal performance and safety.
- **IMPORTANCE OF ROUTINE CHECKS:** Regular maintenance ensures the longevity of the vehicle and safety of the passengers.

VEHICLE COMPONENTS OVERVIEW

1. ENGINE

❖ **DESCRIPTION:** It is the heart of the vehicle that powers it

❖ **ROUTINE CHECKS:** Oil levels, Coolant levels and inspection for leaks.

2. TRANSMISSION

❖ **DESCRIPTION:** Manages power from the engine to the wheels

❖ **ROUTINE CHECKS:** Transmission fluids levels, checking for smooth shifting.

3. BRAKING SYSTEM

❖ **DESCRIPTION:** Essential for safety, Controls vehicle speed

❖ **ROUTINE CHECK:** Brake fluid levels, wear and tear of brake pads, and functioning of the brake lights.

CAR ANATOMY



CARinfo3D

VEHICLE COMPONENTS OVERVIEW Continued

4. STEERING SYSTEM

❖**DESCRIPTION:** Controls the direction of the vehicle

❖**ROUTINE CHECK:** Power steering fluid, alignment of wheels and responsiveness.

5. SUSPENSION SYSTEM

❖**DESCRIPTION:** Supports the vehicle and provides a smooth ride

❖**ROUTINE CHECK:** Inspect shocks and struts, check for unusual noises or vibrations.

6. ELECTRICAL SYSTEM

❖**DESCRIPTION:** Powers the vehicle's electronics, including lights, battery and senses

❖**ROUTINE CHECK:** Battery charge, condition of wiring, functionality of lights and indicators.

VEHICLE CONTROLS

1. DASHBOARD CONTROLS

- **INSTRUMENT PANEL:** Gauges for speed, fuel level, engine temperature, tachometer.
- **WARNING LIGHTS:** Indicators for engine issue, low fuel, battery charges and more



2. STEERING WHEEL

- **CONTROLS:** Steering direction, with integrated buttons for audio, cruise control etc.
- **ROUTINE CHECK:** Ensure no excessive play in the steering wheel



VEHICLE CONTROLS Continued

3. PEDDALS



- **ACCELERATOR:** It is used to increase the intake of fuel and air,
- **BRAKE:** Used to slow down the car till it stop
- **CLUTCH:** Used to disengaged the gear box from the engine
- **ROUTINE CHECK:** Check for smooth operation and lack of resistance

4. GEAR SHIFTER



- **MANUAL/AUTOMATIC:** Used for the selection and shifting of gears
- **ROUTINE CHECK:** Ensure smooth shifting and appropriate gear response

VEHICLE CONTROLS Continued

5. LIGHT & WIPER STALK / SWITCH

- **DESCRIPTION:** The light switch is used to turn on the headlights, indicators as well as the fog lights, and the wiper switch is used to control the wiper on the windshield
- **ROUTINE CHECK:** Ensure all lights are functioning and stalk moves smoothly, check fuses, ensure enough washer fluid.



6. WIPERS AND WASHERS

- **DESCRIPTION:** Essentials for visibility in adverse weather
- **ROUTINE CHECK:** Ensure wiper blades are intact; washer fluid is topped up.



VEHICLE CONTROLS Continued



7. MIRRORS AND WINDOWS

- **CONTROLS:** Adjustments for visibility
- **ROUTINE CHECK:** Ensure mirrors are clean and adjustable, windows operate smoothly.

8. PARKING BRAKE(Hand/Foot)

- **DESCRIPTION:** It is used to hold or make the car immobile when parking.
- **ROUTINE CHECK:** Ensure it is always firm to prevent movement or loosening



ROUTINE CHECKS AND MAINTENANCE

1. DAILY / BEFORE DRIVING

- ✓ **EXTERIOR INSPECTION:** Tires (pressure, tread), Lights and Mirrors
- ✓ **UNDER THE BONNET/HOOD:** Oil levels, Coolant, Brake Fluid
- ✓ **INTERIOR INSPECTION:** Gauges, Warning Lights and Seat belt functionality.

2. WEEKLY / MONTHLY CHECKS

- ✓ Tire pressure, fluids, Battery, Lights, Windshield wipers and Emergency Equipment/tools

3. PERIODIC CHECKS (Every 6 months/Annually)

- ✓ Full service (Professional / Detailed inspection)
- ✓ Brakes (Professional / Detailed inspection)
- ✓ Suspension and Steering (Professional / Detailed)

CONCLUSION

Knowing and Understanding these vehicle controls is key to safe driving

It is also very important to routinely check all the necessary controls and components to ensure its better performance to avoid accidents.

QUESTIONS & ANSWERS



THE END

**THANK YOU FOR YOUR
PARTICIPATION**