

OUTSIDE VEHICLE

GENERAL MAINTENANCE

9902N-01

Performing these maintenance checks on the vehicle is the owner's responsibility. The owner may perform the maintenance or take the vehicle to a service center.

Check the parts of the vehicle described below on a daily basis. In most cases, special tools are not required. It is recommended that the owner perform these checks.

The procedures for general maintenance are as follows.

1. GENERAL NOTES

- Maintenance requirements vary depending on the country.
- Check the maintenance schedule in the owner's manual supplement.
- Following the maintenance schedule is mandatory.
- Determine the appropriate time to service the vehicle using either miles driven or months elapsed, whichever reaches the specification first.
- Maintain similar intervals between periodic maintenance unless noted.
- Failing to check each vehicle part could lead to poor engine performance and increase exhaust emissions.

2. TIRES

- (a) Check the tire pressure with a gauge. Make adjustments if necessary.
- (b) Check the surfaces of tires for cuts, damage or excessive wear.

3. WHEEL NUTS

- (a) Check for nuts that are loose or missing. Tighten them if necessary.

4. TIRE ROTATION

- (a) Check the maintenance schedule in the owner's manual supplement.

5. WINDSHIELD WIPER BLADES

- (a) Check the blades for wear or cracks when they are unable to wipe the windshield clean. Replace them if necessary.

6. FLUID LEAKS

- (a) Check under the vehicle for leaking fuel, oil, water and other fluids.
- (b) If you smell gasoline fumes or notice any leaks, locate the cause and correct it.

7. DOORS AND ENGINE HOOD

- (a) Check that all of the doors and the tailgate operate smoothly and if all the latches lock securely.
- (b) When the primary latch is released, check if the engine hood secondary latch prevents the hood from opening.

INSIDE VEHICLE

99020-02

GENERAL MAINTENANCE

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2. LIGHTS

- (a) Check that the headlights, stop lights, taillights, turn signal lights, and other lights illuminate or start blinking normally. Also, check that all the lights have enough brightness.
- (b) Check that the headlights are aimed properly.

3. WARNING LIGHTS AND BUZZERS

- (a) Check that all the warning lights and buzzers are working.

4. HORN

- (a) Check that the horn is working.

5. WINDSHIELD GLASS

- (a) Check for scratches, pits or abrasions.

6. WINDSHIELD WIPER AND WASHER

- (a) Check that the wind washers are aimed properly. Also, check if the washer fluid hits the center of the operating rage of each wiper on the windshield.
- (b) Check that the wipers streak or not.

7. WINDSHIELD DEFROSTER

- (a) When the heater or air conditioner is on the defroster setting, check if air comes out of the defroster outlet.

8. REAR VIEW MIRROR

- (a) Check that the rear view mirror is securely mounted.

9. SUN VISORS

- (a) Check that the sun visors move freely and are securely mounted.

10. STEERING WHEEL

- (a) Check that the steering wheel has the proper freeplay. Also check for steering difficulty, freeplay in the steering wheel and unusual noises.

11. SEATS

- (a) Check that the seat adjusters, seatback recliner and other front seat controls operate smoothly.
- (b) Check that all the latches lock securely in all positions.
- (c) Check that the locks hold securely in all latched positions.
- (d) Check that the head restraints move up and down smoothly and if the locks hold securely in all latched positions.
- (e) When the rear seatbacks are folded down, check that the latches lock securely.

12. SEAT BELTS

- (a) Check that the seat belt system such as the buckles, retractors and anchors operate properly and smoothly.
- (b) Check that the belt webbing is not cut, frayed, worn or damaged. Replace if necessary.

13. ACCELERATOR PEDAL

- (a) Check the pedal for smooth operation, uneven pedal effort and catching.

14. BRAKE PEDAL (See page 32-16)

- (a) Check the pedal for smooth operation.
- (b) Check that the pedal has the proper reserve distance and freeplay.
- (c) Start the engine and check the brake booster function.

15. BRAKES

- (a) In a safe place, check that the vehicle remains straight when applying the brakes.

16. PARKING BRAKE (See page 33-2)

- (a) Check that the lever has the proper range of motion.
- (b) On a low incline, check that the parking brake alone can stabilize the vehicle.

17. AUTOMATIC TRANSAXLE "PARK" MECHANISM

- (a) Check the lock release button of the selector lever for proper and smooth operation.
- (b) When the lever is in the "P" position and all brakes are released on a low incline, check that the vehicle is stabilized.

UNDER HOOD

9902P-01

GENERAL MAINTENANCE

1. GENERAL NOTES

- Maintenance requirements vary depending on the country.
- Check the maintenance schedule in the owner's manual supplement.
- Following the maintenance schedule is mandatory.
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- Maintain similar intervals between periodic maintenance unless noted.
- Failing to check each vehicle part could lead to poor engine performance and increase exhaust emissions.

2. WINDSHIELD WASHER FLUID

- (a) Check that there is sufficient fluid in the tank.

3. ENGINE COOLANT LEVEL

- (a) Check that the coolant level is between the "FULL" and "LOW" lines on the see-through reservoir.

4. RADIATOR AND HOSES

- (a) Check that the front of the radiator is clean and not blocked by leaves, dirt or bugs.
- (b) Check the hoses for cracks, kinks, rot or loose connections.

5. BATTERY ELECTROLYTE LEVEL

- (a) Check that the electrolyte level of all the battery cells is between the upper and lower level lines on the case.

6. BRAKE FLUID LEVEL

- (a) Check that the brake fluid levels are near the upper level line on the see-through reservoirs.

7. ENGINE DRIVE BELT

- (a) Check the drive belt for fraying, cracks, wear or oiliness.

8. ENGINE OIL LEVEL

- (a) Check the level on the dipstick with the engine turned off.

9. AUTOMATIC TRANSMISSION FLUID LEVEL

- (a) Park the vehicle on a level surface.
- (b) With the engine idling and the parking brake applied, shift the selector into all the positions from "P" to "L", and then shift into the "P" position.
- (c) Pull out the dipstick and wipe off the fluid with a clean shop rag. Re-insert the dipstick and check that the fluid level is in the "HOT" range.

Perform this check again with the fluid at normal driving temperature: 70 to 80°C (158 to 176°F).

HINT:

After extended driving under harsh conditions (high speeds, hot weather, heavy traffic or pulling a trailer), let the engine cool down for approximately 30 minutes before checking the fluid level.

10. EXHAUST SYSTEM

- (a) Check for unusual exhaust sounds or abnormal exhaust fumes. Locate the cause and correct it.

ENGINE

9902Q-01

ON-VEHICLE INSPECTION

HINT:

Inspect these items on a cooled down engine.

1. INSPECT DRIVE BELT (See page 14-5)

2. REPLACE SPARK PLUGS (See page 18-3)

(a) INSPECT AIR FILTER

(b) Remove the air filter.

(c) Visually check that the air filter is not excessively damaged, dirty or oily.

Replace the air filter if necessary.

3. REPLACE AIR FILTER

(a) Replace the air filter with a new one.

4. REPLACE ENGINE OIL AND OIL FILTER (See page 17-21)

5. REPLACE ENGINE COOLANT (See page 16-11)

6. INSPECT GASKET IN FUEL TANK CAP (See page 12-9)

7. INSPECT FUEL LINES AND CONNECTIONS, FUEL TANK VAPOR VENT SYSTEM HOSES AND FUEL TANK BANDS

(a) Visually check the fuel lines for cracks, leakage, loose connections, deformation and tank band looseness.

8. INSPECT EXHAUST PIPES AND MOUNTINGS

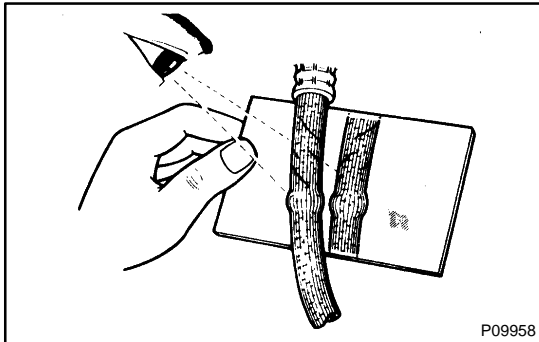
(a) Visually check the pipes, hangers and connections for severe corrosion, leaks and damage.

9. INSPECT VALVE CLEARANCE (See page 14-6)

BRAKE

ON-VEHICLE INSPECTION

9902R-01



1. INSPECT BRAKE LINE PIPES AND HOSES

HINT:

Work in a well-lighted area. Turn the front wheels fully to the right or left before beginning.

- (a) Using a mirror, check the entire circumference and length of brake lines and hoses for:
 - Damage
 - Wear
 - Deformation
 - Cracks
 - Corrosion
 - Leaks
 - Bends
 - Twists
- (b) Check all the clamps for tightness and the connections for leakage.
- (c) Check that the hoses and lines are not near sharp edges, moving parts and the exhaust system.
- (d) Check that the lines are installed pass through the center of the grommets.

2. INSPECT FRONT BRAKE PADS AND DISCS (See page 32-35)

3. INSPECT REAR BRAKE PADS AND DRUM (See page 32-42)

4. INSPECT OR CHANGE BRAKE FLUID (See page 32-4)

Fluid: SAE J1703 or FMVSS No.116 DOT3

CHASSIS

9902S-01

ON-VEHICLE INSPECTION

1. INSPECT STEERING LINKAGE

- (a) Check the steering wheel freeplay (see page 51-4).
- (b) Check the steering linkage for looseness or damage.
 - (1) Check that the tie rod ends do not have excessive play.
 - (2) Check that the dust seals and boots are not damaged.
 - (3) Check that the boot clamps are not loose.

2. INSPECT STEERING GEAR HOUSING OIL

- (a) Check the steering gear housing for oil leakage.

If oil is leaking, find the cause and repair it.

3. INSPECT BALL JOINTS AND DUST COVERS

- (a) Inspect the ball joints for excessive looseness.
 - (1) Jack up the front of the vehicle and place wooden blocks with a height of 180 to 200 mm (7.09 to 7.87 in.) under the front tires.
 - (2) Lower the vehicle until the front coil spring has about half its ordinary load. Place stands under the vehicle for safety.
 - (3) Check that the front wheels are pointing straight ahead. Use chocks.
 - (4) Using a lever, pry up the end of the lower arm. Check the amount of play.

Maximum ball joint vertical play: 0 mm (0 in.)

If there is any play, replace the ball joint.

- (b) Check the dust cover for damage.

4. INSPECT DRIVE SHAFT BOOTS

- (a) Check the drive shaft boots for loose clamps, grease leakage, kink or damage.

5. CHECK TRANSAXLE OIL (FLUID)

- (a) Visually check the transaxle for oil (fluid) leakage.

If oil is leaking, find the cause and repair it.

6. ROTATE TIRES (See page 28-1)

BODY

9902T-01

ON-VEHICLE INSPECTION

1. TIGHTEN BOLTS AND NUTS ON CHASSIS AND BODY

- (a) Tighten the bolts and nuts on the chassis parts listed below, if necessary.
- Front axle and suspension
 - Drive train
 - Rear axle and suspension
 - Brake system
 - Engine mounting
 - Other chassis parts
- (b) Tighten the bolts and nuts on the body parts listed below, if necessary.
- Seat belt system
 - Seats
 - Doors and hood
 - Body mountings
 - Fuel tank
 - Exhaust pipe system
 - Other body parts

2. REPLACE AIR CONDITIONING FILTER

- (a) Remove the glove compartment assembly.
- (b) Remove the filter case from the filter outlet.
- (c) Remove the filter from the filter case.
- (d) Replace the filter with a new one.
- (e) The installation procedures are the removal procedures in reverse order.