

# OUTSIDE VEHICLE

## GENERAL MAINTENANCE

MA001-14

The owners are responsible for these maintenance and inspection items.

They can be done by the owner or they can have them done at a service shop.

These items include those which should be checked on a daily basis, those which, in most cases, do not require (special) tools and those which are considered to be reasonable for the owner to do.

Items and procedures for general maintenance are as follows.

### 1. GENERAL NOTES

- Maintenance items may vary from country to country. Check the owner's manual supplement in which the maintenance schedule is shown.
- Every service item in the periodic maintenance schedule must be performed.
- Periodic maintenance service must be performed according to whichever interval in the periodic maintenance schedule occurs first, the odometer reading (miles) or the time interval (months).
- Maintenance service after the last period should be performed at the same interval as before unless otherwise noted.
- Failure to do even one item can cause the engine to run poorly and increase exhaust emissions.

### 2. TIRES

- (a) Check the pressure with a gauge. If necessary, adjust.
- (b) Check for cuts, damage or excessive wear.

### 3. WHEEL NUTS

When checking the tires, check the nuts for looseness or for missing nuts. If necessary, tighten them.

### 4. WINDSHIELD WIPER BLADES

Check for wear or cracks whenever they do not wipe clean. If necessary, replace.

### 5. FLUID LEAKS

- (a) Check underneath for leaking fuel, oil, water or other fluid.
- (b) If you smell gasoline fumes or notice any leak, have the cause found and corrected.

### 6. DOORS AND HOODS

- (a) Check that all doors and the hoods operate smoothly, and that all latches lock securely.
- (b) Check that the front hood secondary latch secures the hood from opening when the primary latch is released.

# INSIDE VEHICLE

## GENERAL MAINTENANCE

MA002-17

The owners are responsible for these maintenance and inspection items.

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Items and procedures for general maintenance are as follows.

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### 2. LIGHTS

- (a) Check that the headlights, stop lights, taillights, turn signal lights, and other lights are all working.
- (b) Check the headlight aim.

### 3. WARNING LIGHTS AND BUZZERS

Check that all warning lights and buzzers function properly.

### 4. HORN

Check that it is working.

### 5. WINDSHIELD GLASS

Check for scratches, pits or abrasions.

### 6. WINDSHIELD WIPER AND WASHER

- (a) Check operation of the wipers and washer.
- (b) Check that the wipers do not streak.

### 7. WINDSHIELD DEFROSTER

Check that air comes out from the defroster outlet when operating the heater or air conditioner.

### 8. REAR VIEW MIRROR

Check that it is mounted securely.

### 9. SUN VISORS

Check that they move freely and are mounted securely.

### 10. STEERING WHEEL

Check that it has the specified freeplay. Be alert for changes in steering condition, such as hard steering, excessive freeplay or strange noises.

### 11. SEATS

- (a) Check that the seat adjusters operate smoothly.
- (b) Check that all latches lock securely in any position.
- (c) For fold-down seat backs, 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.

### 13. ACCELERATOR PEDAL

Check the pedal for smooth operation and uneven pedal effort or catching.

**14. CLUTCH PEDAL (See page CL-2)**

- (a) Check the pedal for smooth operation.
- (b) Check that the pedal has the proper freeplay.

**15. BRAKE PEDAL (See page BR-6)**

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

**16. BRAKES**

At a safe place, check that the brakes do not pull to one side when applied.

**17. PARKING BRAKE (See page BR-8)**

- (a) Check that the lever has the proper travel.
- (b) On a safe incline, check that the vehicle is held securely with only the parking brake applied.

# UNDER HOOD

MA003-15

## GENERAL MAINTENANCE

### 1. GENERAL NOTES

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- Every service item in the periodic maintenance schedule must be performed.
- Periodic maintenance service must be performed according to whichever interval in the periodic maintenance schedule occurs first, the odometer reading (miles) or the time interval (months).
- Maintenance service after the last period should be performed at the same interval as before unless otherwise noted.
- Failure to do even one item can cause the engine to run poorly and increase exhaust emissions.

### 2. WINDSHIELD WASHER FLUID

Check that there is sufficient fluid in the tank.

### 3. ENGINE COOLANT LEVEL

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 with leaves, dirt or bugs.
- (b) Check the hoses for cracks, kinks, rot or loose connections.

### 5. BATTERY ELECTROLYTE LEVEL

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

### 6. BRAKE AND CLUTCH FLUID LEVELS

Check that the brake and clutch fluid levels are near the upper level line on the see-through reservoirs.

### 7. ENGINE DRIVE BELT

Check drive belt for fraying, cracks, wear or oiliness.

### 8. ENGINE OIL LEVEL

Check the level on the dipstick with the engine turned off.

### 9. POWER STEERING FLUID LEVEL

- Check the level.
- The level should be in the "HOT" or "COLD" range depending on the fluid temperature.

### 10. EXHAUST SYSTEM

If any change in the sound of the exhaust or smell of the exhaust fumes is noticed, have the cause located and corrected.

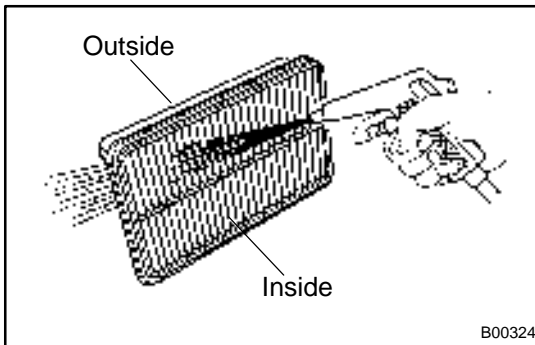
# ENGINE INSPECTION

MA00R-09

## HINT:

Inspect these items when the engine is cold.

1. **INSPECT DRIVE BELT** (See page [CH-2](#))
2. **REPLACE SPARK PLUGS** (See page [IG-1](#))



## 3. INSPECT AIR FILTER

- (a) Visually check that the air filter is not excessively dirty or oily.

## HINT:

Oiliness may indicate a stuck PCV valve.

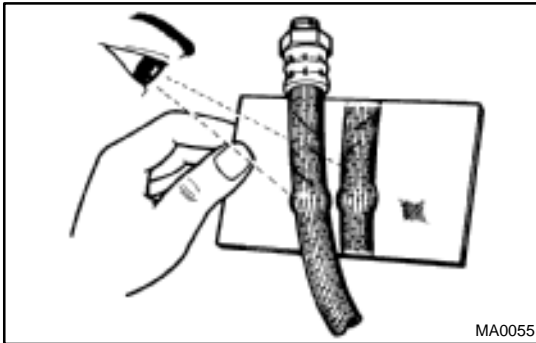
If necessary, replace the air filter.

- (b) Clean the air filter with compressed air.  
First blow from the inside thoroughly, then blow off the outside of the air filter.

## 4. REPLACE AIR FILTER

Replace the air filter with a new one.

5. **REPLACE ENGINE OIL AND OIL FILTER**  
(See page [LU-3](#))
6. **REPLACE ENGINE COOLANT** (See page [CO-2](#))
7. **REPLACE GASKET IN FUEL TANK CAP**  
(See page [EC-6](#))
8. **INSPECT FUEL LINES AND CONNECTIONS** (See page [EC-6](#))
9. **INSPECT EXHAUST PIPES AND MOUNTINGS** (See page [EC-11](#))
10. **ADJUST VALVE CLEARANCE** (See page [EM-4](#))



## BRAKE INSPECTION

MA00M-04

### 1. INSPECT BRAKE LINE PIPES AND HOSES

#### HINT:

Check in a well lighted area. Check the entire circumference and length of the brake hoses using a mirror as required. Turn the front wheels fully right or left before checking the front brake.

- (a) Check all brake lines and hoses for:
    - Damage
    - Wear
    - Deformation
    - Cracks
    - Corrosion
    - Leaks
    - Bends
    - Twists
  - (b) Check all clamps for tightness and connections for leakage.
  - (c) Check that the hoses and lines are clear of sharp edges, moving parts and the exhaust system.
  - (d) Check that the lines installed in grommets pass through the center of the grommets.
2. **INSPECT FRONT BRAKE PADS AND DISCS (See page [BR-20](#))**
  3. **INSPECT REAR BRAKE PADS AND DISCS (See page [BR-29](#))**

# CHASSIS INSPECTION

MA03Q-01

## 1. INSPECT STEERING LINKAGE

- (a) Check the steering wheel freeplay (See page [SR-7](#)).
- (b) Check the steering linkage for looseness or damage.

Check that:

- Tie rod ends do not have excessive play.
- Dust seals and boots are not damaged.
- Boot clamps are not loose.

## 2. INSPECT STEERING GEAR HOUSING OIL

Check the steering gear housing for oil leakage.

## 3. INSPECT DRIVE SHAFT BOOTS

Check the drive shaft boots for clamp looseness, leakage or damage.

## 4. INSPECT BALL JOINT AND DUST COVERS

- (a) Inspect the ball joints for excessive looseness.
  - Jack up the front of the vehicle and place wooden blocks with a height of 180 – 200 mm (7.09 – 7.87 in.) under the front tires.
  - Lower the jack until there is about half a load on the front coil spring. Place stands under the vehicle for safety.
  - Check that the front wheels are pointing straight ahead, and block them with chocks.
  - Using a lever, pry up the end of the lower arm, and check the amount of play.

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

If there is play, replace the ball joint.

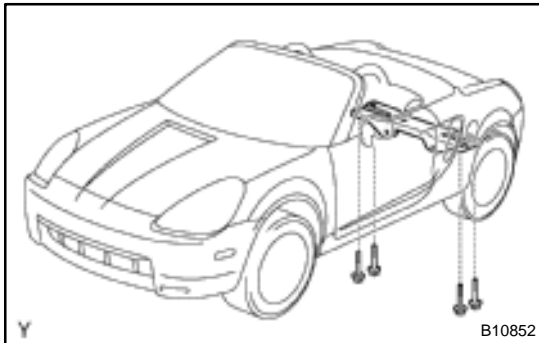
- (b) Check the dust cover for damage.

## 5. CHECK TRANSAXLE OIL

Visually check the transaxle for oil leakage.

If leakage is found, check for the cause and repair.

## 6. REPLACE TRANSAXLE FLUID (See page [MX-9](#))



## BODY INSPECTION

MA03R-01

### 1. TIGHTEN BOLTS AND NUTS ON CHASSIS AND BODY

Tighten these parts:

- Seat-to-body mounting bolts

**Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)**

- Rear suspension member-to-body mounting bolts

**Torque: 80 N·m (816 kgf·cm, 59 ft·lbf)**

### 2. BODY INSPECTION

- Check the body exterior for dents, scratches and rust.
- Check the underbody for rust and damage.

If necessary, replace or repair.

### 3. ROAD TEST

- Check the engine and chassis for abnormal noises.
- Check that the vehicle does not wander or pull to one side.
- Check that the brakes work properly and do not drag.
- Do setting of the parking brake shoes and drum.

### 4. FINAL INSPECTION

- Check the operation of the body parts:
  - Front hood
    - Auxiliary catch operates properly
    - Hood locks securely when closed
  - Doors
    - Door locks operate properly
    - Doors close properly
  - Engine hood
    - Door lock operates properly
  - Seat adjusts easily and locks securely in any position
    - Seat back locks securely in any position
- Be sure to deliver a clean car.
 

Especially check:

  - Steering wheel
  - Shift lever knob
  - All switch knobs
  - Seats