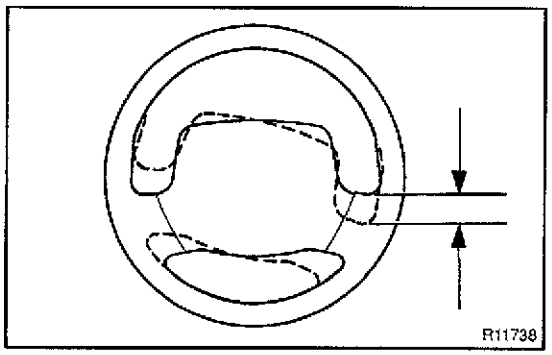


STEERING WHEEL

INSPECTION

SR09B-01

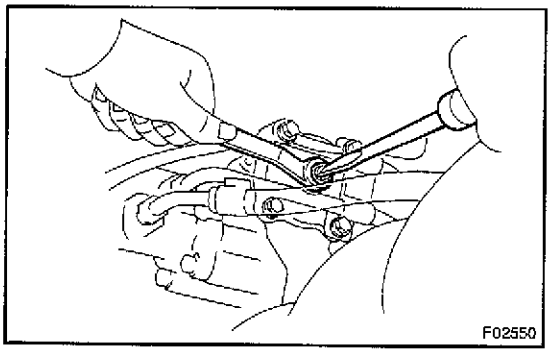
1. CHECK STEERING WHEEL FREEPLAY

With the vehicle stopped and tires facing straight ahead, rock the steering wheel gently back and forth with light finger pressure.

Freeplay should not exceed the maximum.

Maximum freeplay: 30 mm (1.18 in.)

If the freeplay exceeds the maximum, adjust it in the following procedure.



2. ADJUST STEERING GEAR

(a) Point the front wheels straight ahead.

(b) Loosen the adjusting screw lock nut.

(c) Turn the sector shaft adjusting screw clockwise to decrease steering wheel freeplay and counterclockwise to increase it.

HINT:

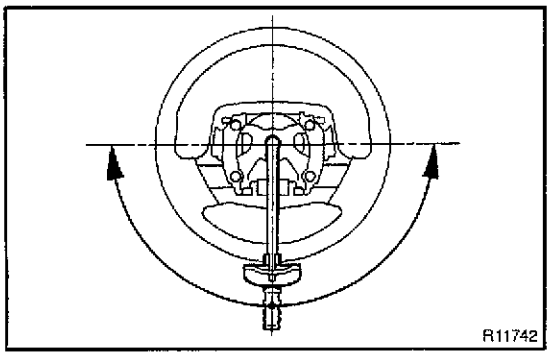
Turn the adjusting screw in small increments and check the freeplay between each adjustment.

(d) Turn the steering wheel half way around in both directions.

Check the freeplay is correct and steering is smooth and without rough spots.

(e) Torque the adjusting screw lock nut.

Manual steering gear (2WD):
Torque: 27 N·m (275 kgf·cm, 20 ft·lbf)
Manual steering gear (4WD):
Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)
PS gear (2WD, 4WD):
Torque: 46 N·m (470 kgf·cm, 34 ft·lbf)



3. CHECK STEERING EFFORT

(a) Center the steering wheel.

(b) Remove the steering wheel pad.
(See page SR–17)

(c) Start the engine and run it at idle.

(d) Measure the steering effort in both directions.
Reference: 5.9 N·m (60 kgf·cm, 52 in.·lbf)

HINT:

Be sure to consider the tire type, pressure and contact surface before making your diagnosis.

(e) Torque the steering wheel set nut.
Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

(f) Install the steering wheel pad.
(See page SR–25)