

CHASSIS

INSPECTION

1. INSPECT CLUTCH PEDAL (See Pub. No. RM684E on page CL-2)

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

2. INSPECT CLUTCH FLUID

3. INSPECT POWER STEERING FLUID (See Pub. No. RM684E on page SR-6)

4. INSPECT DRIVE SHAFT BOOTS

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

5. INSPECT STEERING LINKAGE

- (a) Check the steering wheel freeplay (See page SR-6)
- (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.

6. INSPECT STEERING GEAR HOUSING OIL

Check the steering gear housing for oil leakage.

7. CHECK WHEEL ALIGNMENT (SIDE SLIP)

Side slip: 3.0 mm/m (0.118 in./3.3 ft) or less

8. INSPECT LOWER BALL JOINTS AND DUST COVERS

- (a) Jack up the front of the vehicle and support it with stands.
- (b) Make sure the front wheels are in a straight-ahead position, and depress the brake pedal.
- (c) Jack up the lower suspension arm until there is about half a load on the front coil spring.
- (d) Inspect the dust cover for damage.

9. CHECK AUTOMATIC TRANSMISSION AND DIFFERENTIAL

Visually check the automatic transmission and differential for oil leakage.

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

10. CHECK MANUAL TRANSMISSION AND DIFFERENTIAL

Visually check the manual transmission and differential for oil leakage.

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

11. REPLACE AUTOMATIC TRANSMISSION FLUID

(IS200: See Pub. No. RM684E on page DI-156) (IS300: See page AT-1)

12. REPLACE MANUAL TRANSMISSION OIL (See Pub. No. RM684E on page MT-5)

13. REPLACE DIFFERENTIAL OIL

(IS200: See Pub. No. RM684E on page SA-69) (IS300: See page SA-40)

14. INSPECT FRONT AND REAR SUSPENSIONS

- (a) Check the suspension parts for looseness or damage.
- (b) Check the shock absorber performance.
- (c) Check the vehicle for tilting.
- (d) Check the springs for wear or breakage.
- (e) Check the suspension bushings for wear.
- (f) Check the wheel bearings for wear or noise.
 - Jack up the front and rear axle and support them on stands.
 - Move the wheel in axial and radial directions and check the wheel bearing for wear.
 - Rotate the wheel and check the bearing for noise.