

# CHASSIS

## GENERAL MAINTENANCE

1. **INSPECT STEERING LINKAGE & GEAR HOUSING**
  - (a) Check the steering wheel free play (See page [SR-2](#)).
  - (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.
    - (4) Check that the steering gear housing is not damaged.
    - (5) Check that the connector are properly connected to the steering gear housing.
  
2. **INSPECT STEERING GEAR HOUSING OIL**
  - (a) Check the steering gear housing oil leakage. If leakage is found, check and repair the cause.
  
3. **INSPECT BALL JOINT AND DUST COVER**
  - (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 wheel chocks on all 4 wheels.
    - (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, kinks or damage.
  
5. **CHECK AUTOMATIC TRANSMISSION FLUID**
  - (a) Visually check the transmission for fluid leakage. If oil is leaking, find the cause and repair it.

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Type	See procedures
A750F	See page <a href="#">AT-316</a>
A750E	See page <a href="#">AT-304</a>

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**6. INSPECT TRANSFER OIL (for 4WD)**

- (a) Visually check the transfer for oil leakage. If oil is leaking, find the cause and repair it.

Type	See procedures
VF4AM	See page <a href="#">TF-3</a>
VF4BM	See page <a href="#">TF-3</a>

**7. INSPECT FRONT DIFFERENTIAL OIL SEAL (for 4WD)**

(See page [DF-3](#))

**8. INSPECT REAR DIFFERENTIAL OIL**

(See page [DF-3](#))

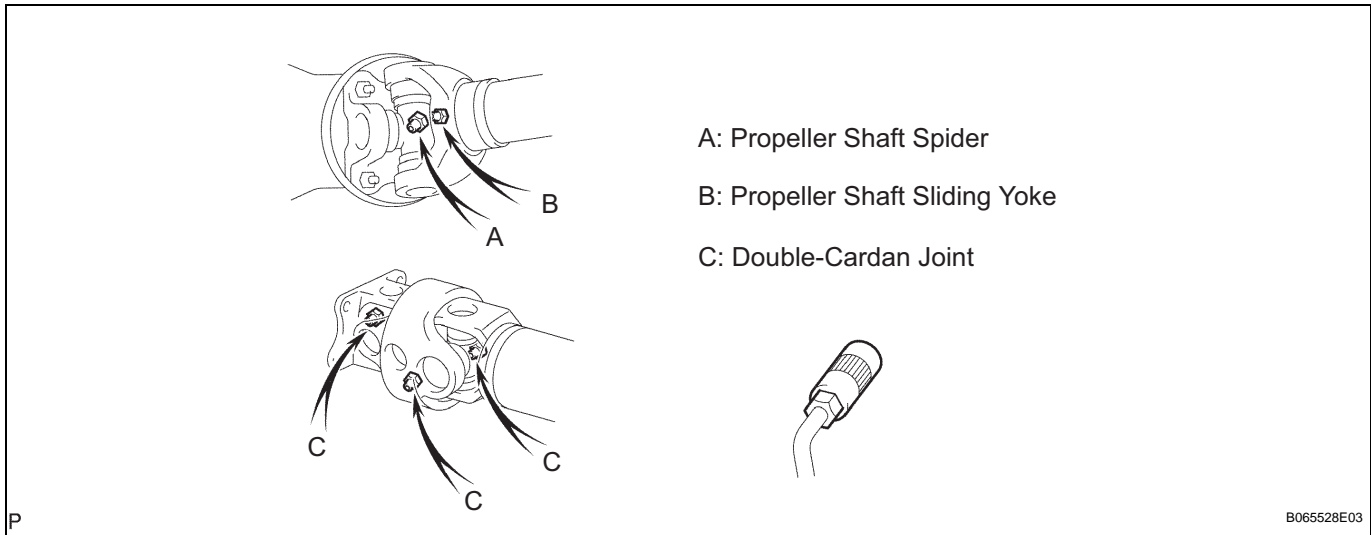
**9. INSPECT FRONT AND REAR SUSPENSION**

Type	See procedures
Front Suspension	See page <a href="#">SP-12</a>
Rear Suspension	See page <a href="#">SP-38</a>

**10. LUBRICATE PROPELLER SHAFT AND TIGHTEN BOLTS**

- (a) 4WD:

Lubricate propeller shaft, referring to the lubrication chart. Before pumping in grease, wipe off any mud and dust on the grease fitting.



**Grease grade**

Spider	Lithium base chassis grease NLGI No. 2
Slide yoke and double-cardan joint	Molybdenum disulphide lithium base chassis grease NLGI No. 2

- (b) Tighten the bolts for propeller shaft.

Type	See procedures
2WD	See page <a href="#">PR-6</a>
4WD	See page <a href="#">PR-12</a>

**11. ROTATE TIRES**

(See page [TW-2](#))