

## CHASSIS INSPECTION

MA054-01

### 1. INSPECT STEERING LINKAGE

- Check the steering wheel freeplay (See page [SR-8](#)).
- 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.

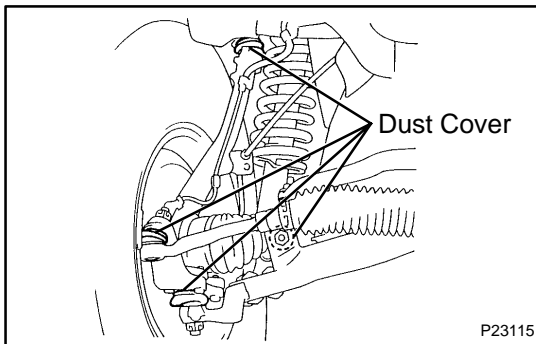
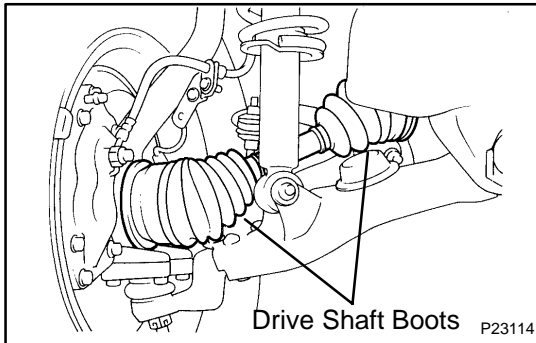
### 2. INSPECT STEERING GEAR HOUSING

Check the steering gear housing for oil leaks.  
If leakage is found, check for cause and repair.

### 3. 4WD:

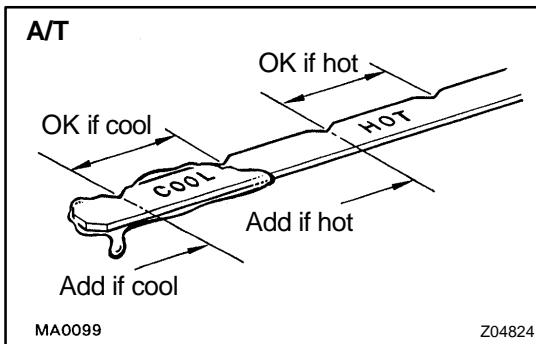
#### INSPECT DRIVE SHAFT BOOTS

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



### 4. INSPECT BALL JOINTS AND DUST COVERS

- Inspect the ball joints for excessive looseness (See page [SA-74](#)).
- Inspect the dust cover for damage.



### 5. 2WD:

#### CHECK OIL LEVEL IN AUTOMATIC TRANSMISSION AND DIFFERENTIAL

- Automatic transmission:  
Check that the fluid level is in the "HOT" range at the normal operating temperature (70 - 80°C or 158 - 176°F) and add as necessary.

#### NOTICE:

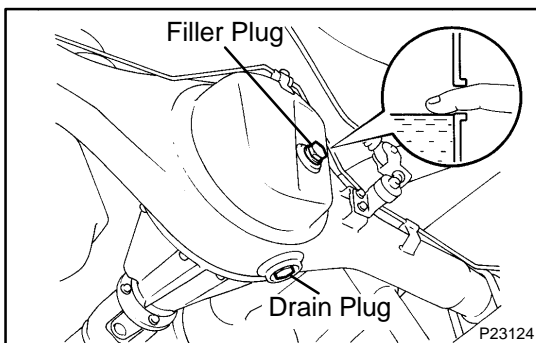
**Do not overfill.**

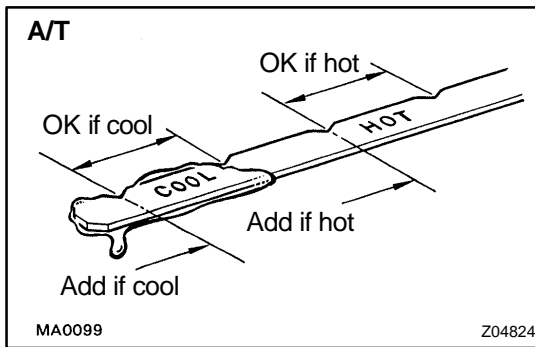
**Transmission fluid (A/T):** See page [DI-159](#).

- Differential:

Remove the filler plug and feel inside the hole with your finger. Check that the oil comes to within 5 mm (0.20 in.) of the bottom edge of the hole. If the level is low, add oil until it begins to run out of the filler hole.

**Differential oil:** See page [DI-159](#)



**6. 4WD:****CHECK OIL LEVEL IN AUTOMATIC TRANSMISSION, TRANSFER AND DIFFERENTIAL****(a) Automatic transmission:**

Check that the fluid level is in the "HOT" range at the normal operating temperature (70 - 80°C or 158 - 176°F) and add as necessary.

**NOTICE:**

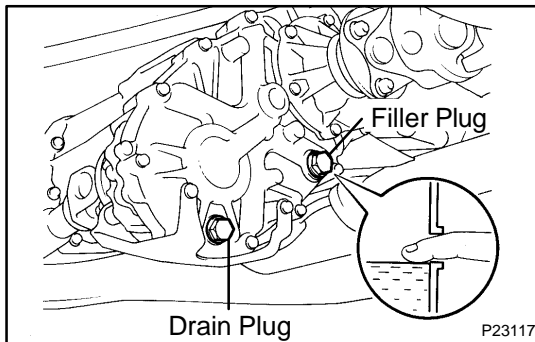
**Do not overfill.**

**Transmission fluid (A/T):** See page [DI-159](#).

**(b) Transfer:**

Remove the filler plug and feel inside the hole with your finger. Check that the oil comes to within 5 mm (0.20 in.) of the bottom edge of the hole. If the level is low, add oil until it begins to run out of the filler hole.

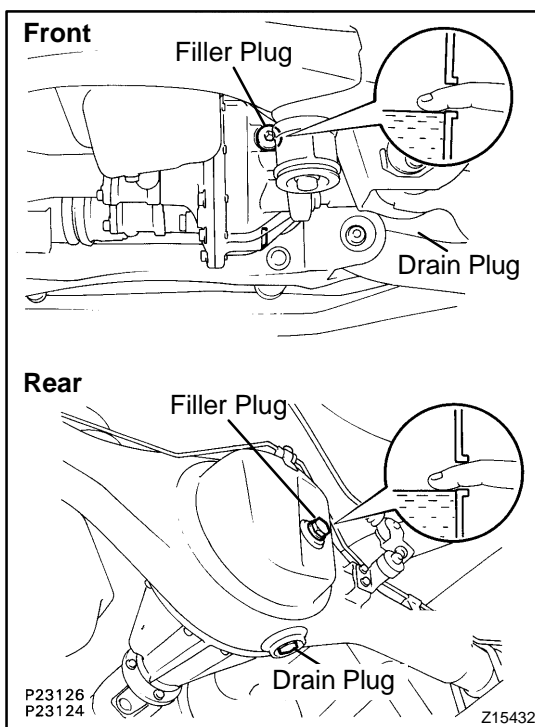
**Transfer oil:** See page [TR-4](#)

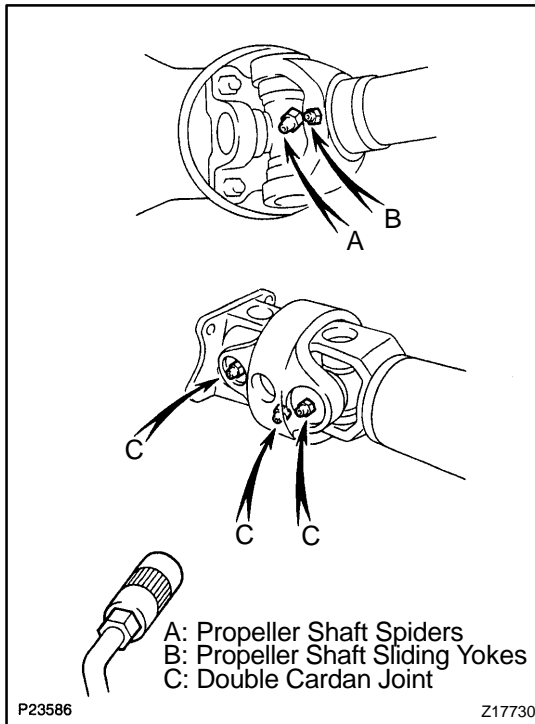
**(c) Differential:**

Remove the filler plug and feel inside the hole with your finger. Check that the oil comes to within 5 mm (0.20 in.) of the bottom edge of the hole. If the level is low, add oil until it begins to run out of the filler hole.

**Front differential:** See page [SA-24](#)

**Rear differential oil:** See page [SA-88](#)





## 7. 4WD:

### LUBRICATE PROPELLER SHAFT

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

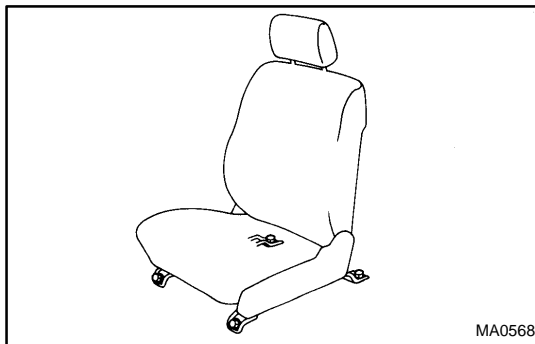
**Grease grade:**

**Spiders: Lithium base chassis grease NLGI No.2**

**Slide yoke and double-cardan joint:**

**Molybdenum-disulphidelithium base chassis grease NLGI No.2**

## 8. ROTATE TIRE (See page [SA-4](#))



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

- Tighten these parts:  
Seat mounting bolts  
**Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)**
- Under severe conditions:  
In addition to the above maintenance items, check for loose or missing bolts and nuts on the following.
  - Steering system
  - Drive train
  - Suspension system
  - Fuel tank mounts
  - Engine mounts, etc.