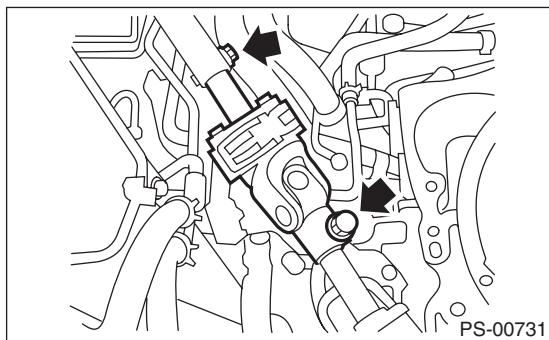


### 3. Universal Joint

#### A: REMOVAL

- 1) Remove the steering wheel. <Ref. to PS-12, REMOVAL, Steering Wheel.>
- 2) Place alignment marks on universal joint.
- 3) Remove the universal joint bolt, and then remove the universal joint.



#### B: INSTALLATION

- 1) Align the cutout portion at serrated section of the column shaft and yoke, then install the universal joint into column shaft.
- 2) Install the universal joint to the serrations of gearbox assembly by matching alignment marks.
- 3) Tighten the bolt.

##### Tightening torque:

24 N·m (2.4 kgf-m, 17.4 ft-lb)

##### CAUTION:

Excessively large tightening torque of universal joint bolts may lead to heavy steering wheel operation.

##### Clearance between coupling of universal joint to AT level gage:

15 mm (0.59 in) or more

- 4) Align the center position of the roll connector. <Ref. to AB-24, ADJUSTMENT, Roll Connector.>
- 5) Install the steering wheel. <Ref. to PS-12, INSTALLATION, Steering Wheel.>

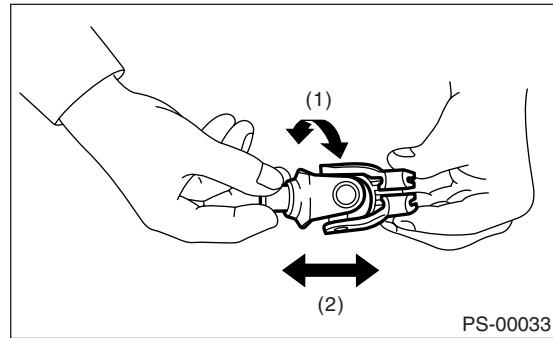
#### C: INSPECTION

Check for wear, damage or any other faults. Replace as necessary.

##### Service limit:

**Universal joint play: 0 mm (0 in)**

**Maximum swing torque: 0.3 N (0.03 kgf, 0.07 lb)**



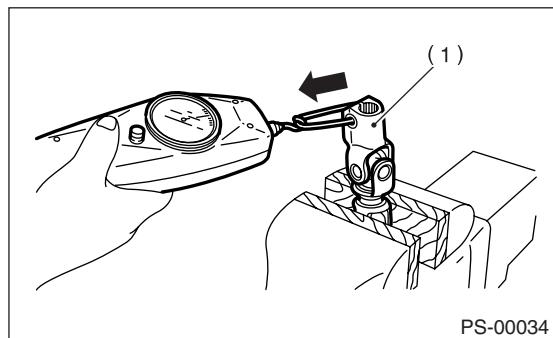
(1) Swing torque

(2) Play

Measure the swing torque of universal joint.

##### Service limit:

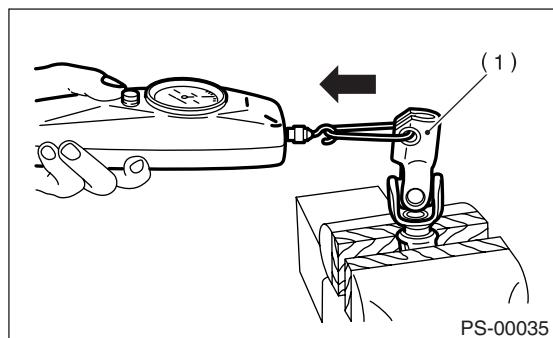
**Maximum load: 3.8 N (0.39 kgf, 0.86 lb) or less**



(1) Yoke (Gearbox side)

##### Service limit:

**Maximum load: 3.8 N (0.39 kgf, 0.86 lb) or less**



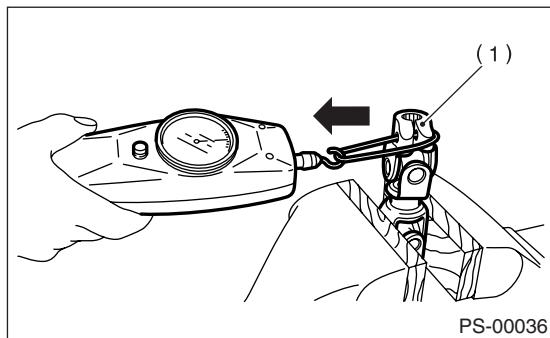
(1) Yoke (Gearbox side)

# Universal Joint

## POWER ASSISTED SYSTEM (POWER STEERING)

### **Service limit:**

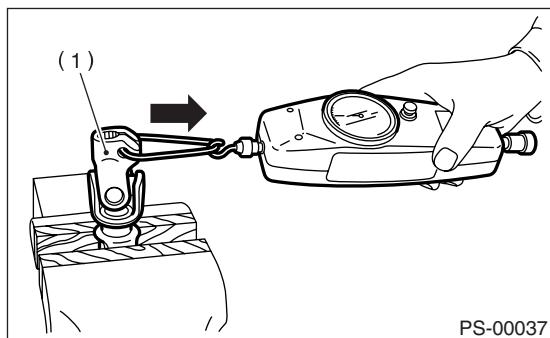
**Maximum load: 7.3 N (0.74 kgf, 1.64 lb) or less**



(1) Yoke (Steering column side)

### **Service limit:**

**Maximum load: 7.3 N (0.74 kgf, 1.64 lb) or less**



(1) Yoke (Steering column side)