

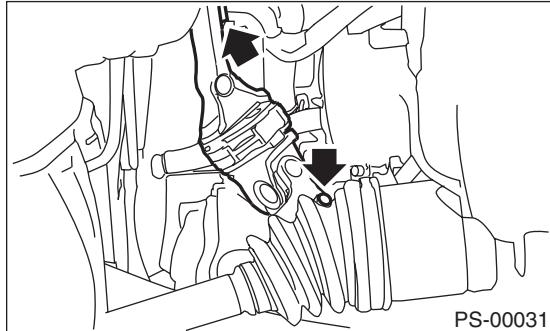
3. Universal Joint

A: REMOVAL

- 1) Remove the steering wheel. <Ref. to PS-18, REMOVAL, Steering Wheel.>
- 2) Remove the universal joint bolts and then remove the universal joint.

CAUTION:

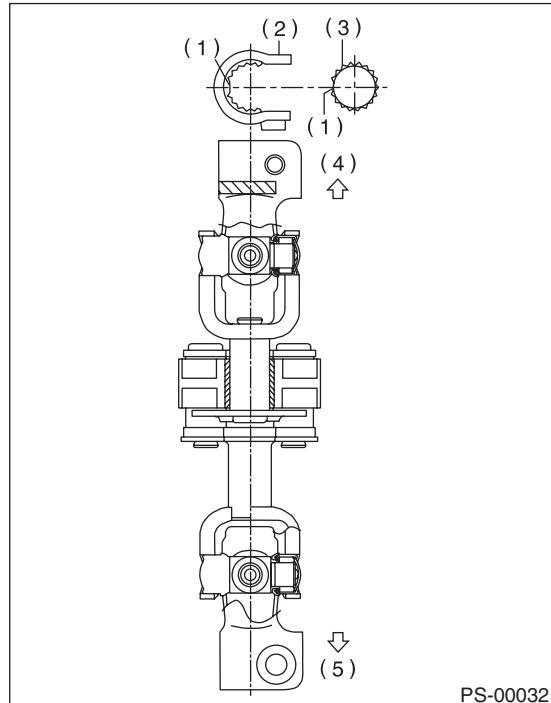
Scribe alignment marks on universal joint so that it can be reassembled at the original serration.



B: INSTALLATION

- 1) Install the universal joint.

(1) Align the cutout at serrated section of the column shaft and yoke, then insert the universal joint into the column shaft.



- (1) Cutout
- (2) Yoke
- (3) Column shaft
- (4) Column shaft side
- (5) Gearbox side

(2) Align the bolt hole on the gearbox side of universal joint with the cutout at the serrated section of gearbox assembly. Lower the universal joint completely.

(3) Temporarily tighten the bolt on the gearbox side. Raise the universal joint to make sure the bolt is properly passing through the cutout at the serrated section.

(4) Tighten the bolt.

Tightening torque:

24 N·m (2.4 kgf-m, 17.4 ft-lb)

CAUTION:

- Make sure that universal joint bolt is tightened through notch in shaft serration.
- Excessively large tightening torque of universal joint bolts may lead to heavy steering wheel operation.

Standard clearance between gearbox to DOJ:

Over 14 mm (0.55 in)

UNIVERSAL JOINT

POWER ASSISTED SYSTEM (POWER STEERING)

2) Align the center of roll connector. <Ref. to AB-17, ADJUSTMENT, Roll Connector.>

CAUTION:

Ensure that front wheel are set straight forward direction.

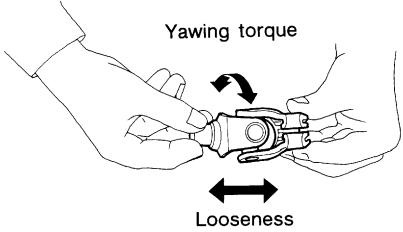
3) Install the steering wheel and airbag module. <Ref. to PS-18, INSTALLATION, Steering Wheel.>

WARNING:

Always refer to “Air Bag System” before performing airbag module service. <Ref. to AB-12, CAUTION, Driver’s Airbag Module.> and <Ref. to AB-12, INSTALLATION, Driver’s Airbag Module.>

C: INSPECTION

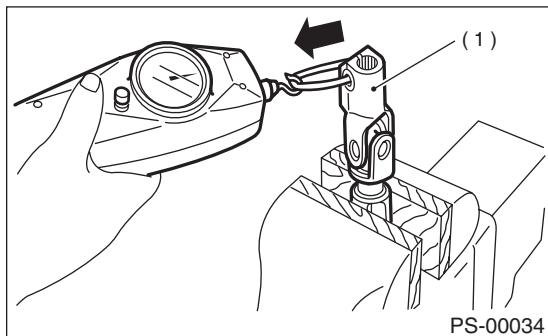
Clean the disassembled parts with a cloth, and check for wear, damage, or any other faults. If necessary, repair or replace faulty parts.

Inspection	Corrective action
<ul style="list-style-type: none"> • Free play • Swinging torque <p>Yawing torque Looseness</p>  <p>PS-00366</p> <p>Standard value of universal joint free play: 0 mm (0 in) Max. value of universal joint swinging torque: 0.3 N·m (0.03 kgf-m, 0.2 ft-lb)</p>	Replace if faulty.

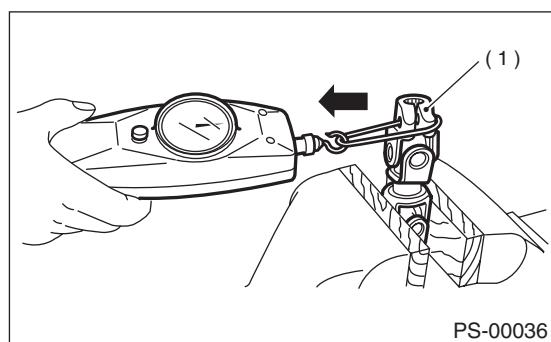
Measurement of folding torque of universal joint is as shown in the figures.

Service limit:
Maximum load; 7.3 N (0.74 kgf, 1.64 lb) or less

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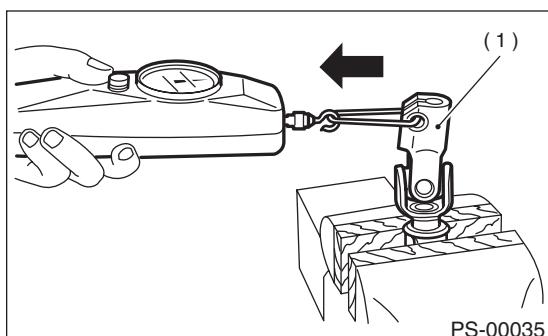
(1) Yoke (gearbox side)



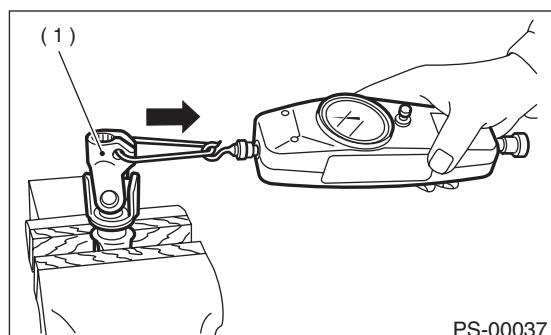
(1) Yoke (Steering column side)

Service limit:
Maximum load; 7.3 N (0.74 kgf, 1.64 lb) or less

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(1) Yoke (gearbox side)



(1) Yoke (Steering column side)