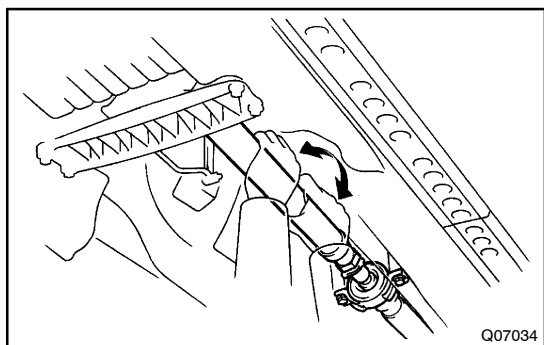


JOINT ANGLE INSPECTION

PR07H-01

NOTICE:

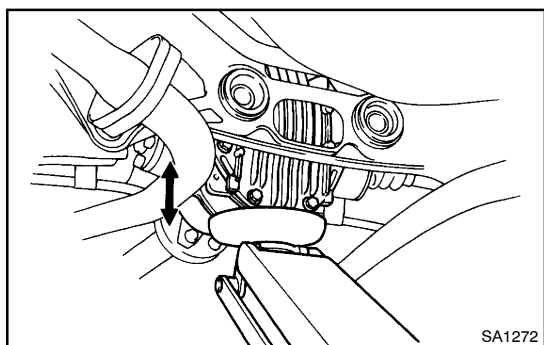
When performing operations which involve the removal and installation of the propeller shaft, always check the joint angle. Make adjustments if necessary.



Q07034

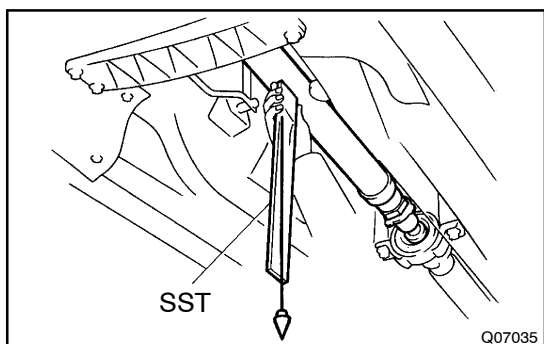
1. STABILIZE PROPELLER SHAFT AND DIFFERENTIAL

- (a) Turn the propeller shaft several times by hand to stabilize the center support bearing and flexible couplings.



SA1272

- (b) Using a jack, raise and lower the differential to stabilize the differential mounting cushion.



Q07035

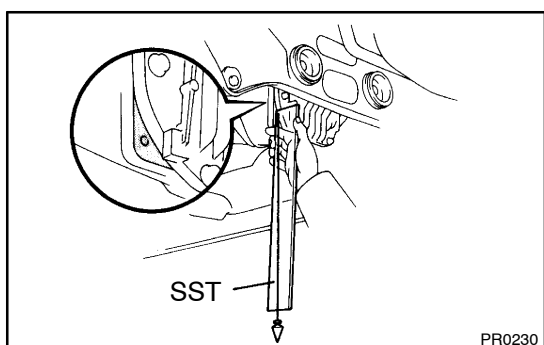
2. CHECK NO. 2 AND NO. 3 JOINT ANGLE

- (a) Using SST, measure the installation angle of the intermediate shaft and propeller shaft.

SST 09370-50010

HINT:

The SST should be directly underneath the tube.



PR0230

- (b) Using SST, measure the installation angle of the differential.

SST 09370-50010

HINT:

Measure the installation angle by placing the SST in the position, as shown in the illustration.

- (c) Calculate the No. 2 joint angle.

No.2 joint angle:

$$A-B = -0^{\circ}39' \pm 30'$$

A: Intermediate shaft installation angle

B: Propeller shaft installation angle

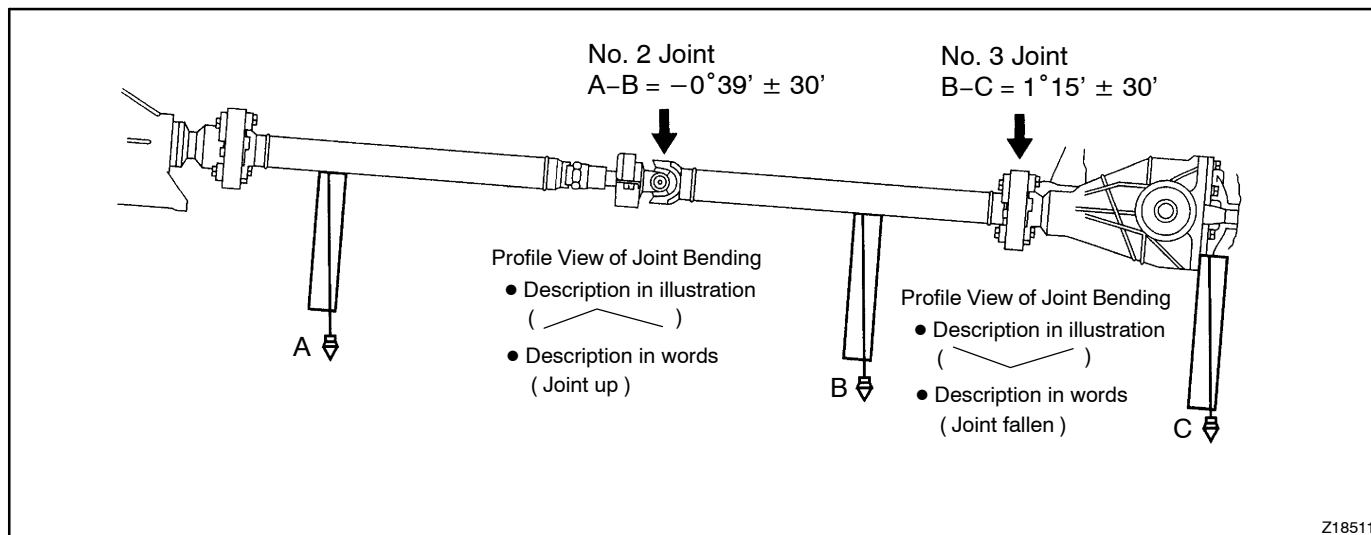
- (d) Calculate the No. 3 joint angle.

No.3 joint angle:

$$B-C = 1^{\circ}15' \pm 30'$$

B: Propeller shaft installation angle

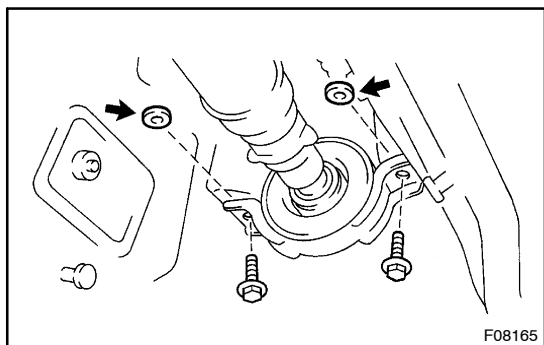
C: Differential installation angle



If the measured angle is not within the specification, adjust the joint angle.

HINT:

Adjust joint angle using the adjustment chart, adjusting it with the center support bearing adjusting washer and differential shim.



3. ADJUST NO. 2 JOINT ANGLE

Select the proper center support bearing adjusting washer for adjustment.

Thickness mm (in.)	Thickness mm (in.)
2.0 (0.079)	9.0 (0.354)
4.5 (0.177)	11.0 (0.433)
6.5 (0.256)	–

HINT:

- Left and right washers should be the same thickness.
- 2 washers should not be assembled together.