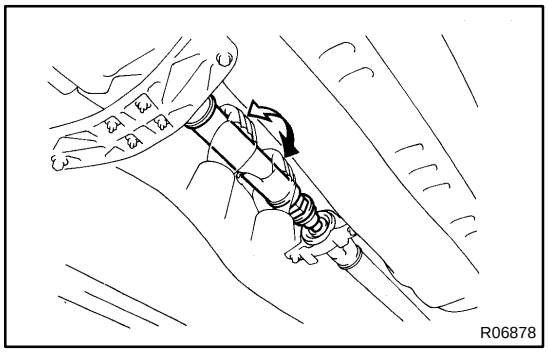
JOINT ANGLE

PR05I-01

ADJUSTMENT

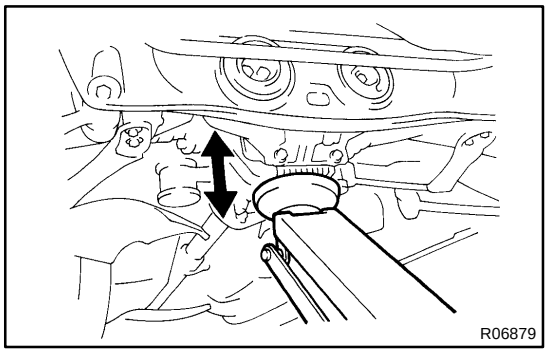
NOTICE:

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

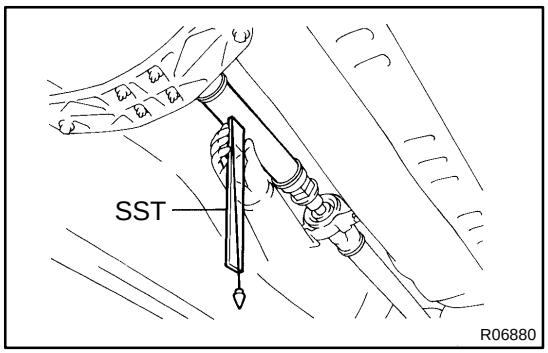


1. STABILIZE PROPELLER SHAFT AND DIFFERENTIAL

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

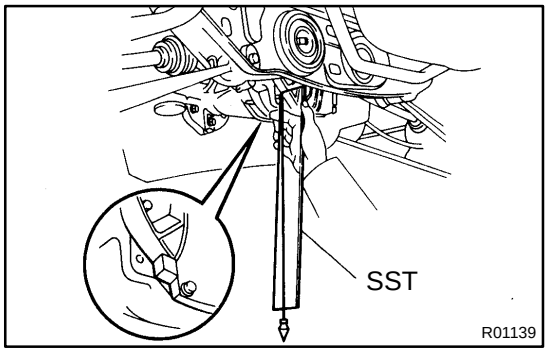


(b) Using a jack, raise and lower the differential to stabilize the differential mounting cushion.



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

(a) Using SST, measure the installation angle of the intermediate shaft and propeller shaft.
SST 09370-50010



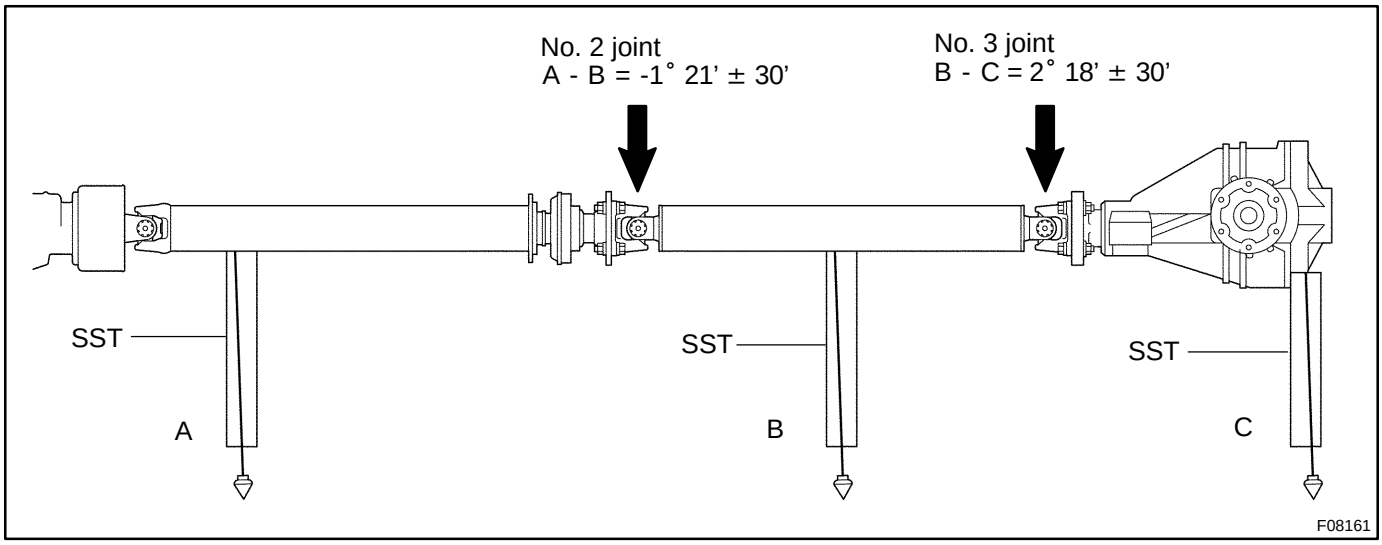
(b) Using SST, measure the installation angle of the differential.
SST 09370-50010

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 = -1° 21' ± 30'
A: Intermediate shaft installation angle
B: Propeller shaft installation angle

(d) Calculate the No. 3 joint angle.
No. 3 joint angle:
B - C = 2° 18' ± 30'
B: Propeller shaft installation angle
C: Differential installation angle



If the measured angle is not within the specification, adjust it with the center support bearing adjusting washer and differential adjusting shim.

Center support bearing adjusting washer thickness:

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)	13.5 (0.531)

NOTICE:
- **Left and right washers should be the same thickness.**
- **2 washers should not be assembled together.**
- **Some vehicles are not assembled with washers.**