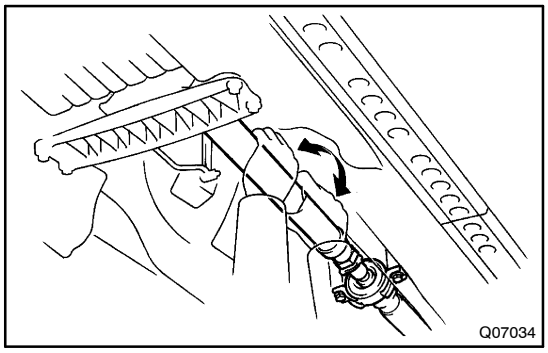
JOINT ANGLE

PR032–01

INSPECTION

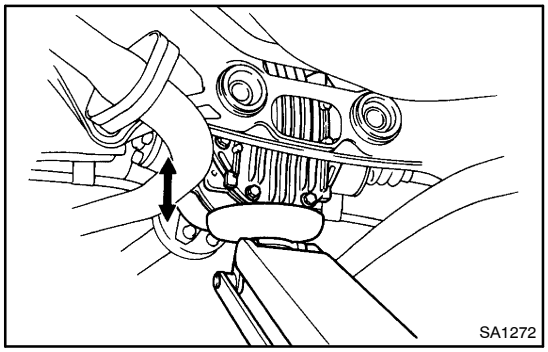
NOTICE:

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

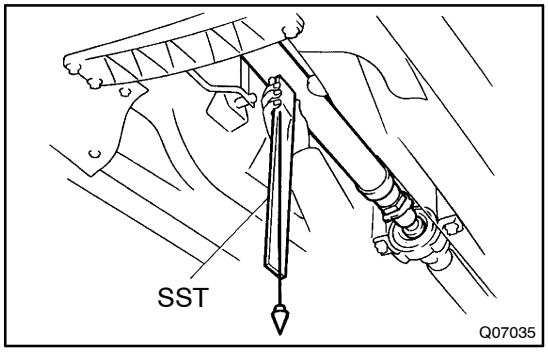


1. STABILIZE PROPELLER SHAFT AND DIFFERENTIAL

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



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



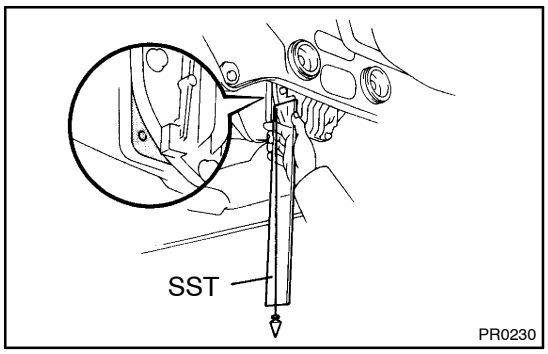
2. CHECK NO.2 AND NO.3 JOINT ANGLE

(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.



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

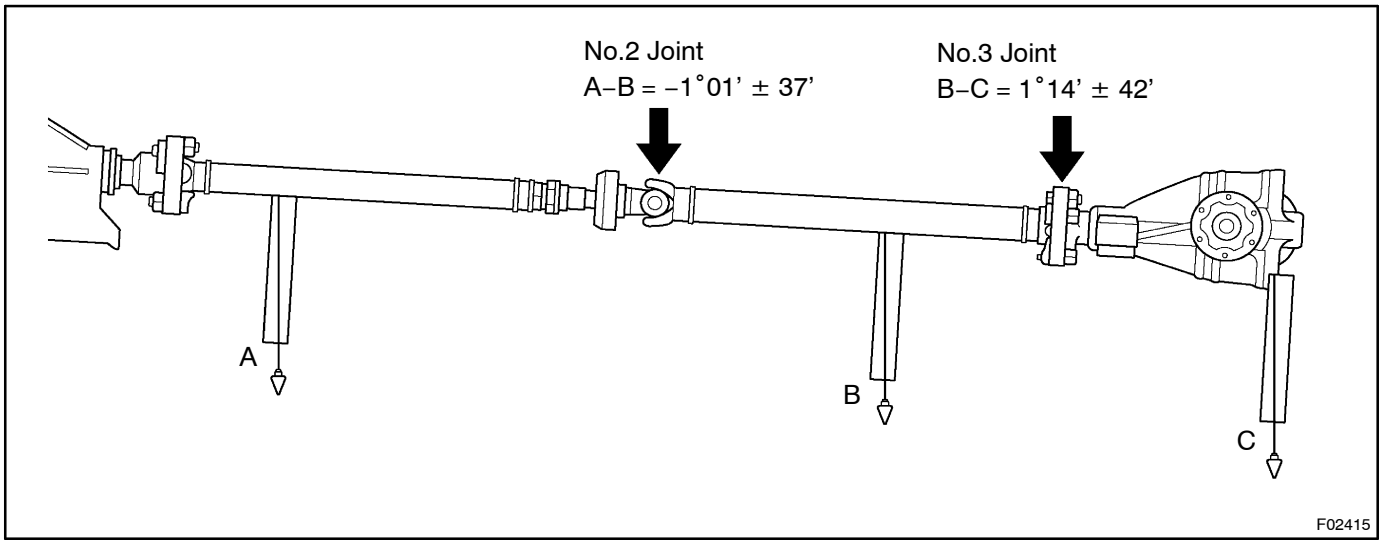
SST 09370–50010

HINT:

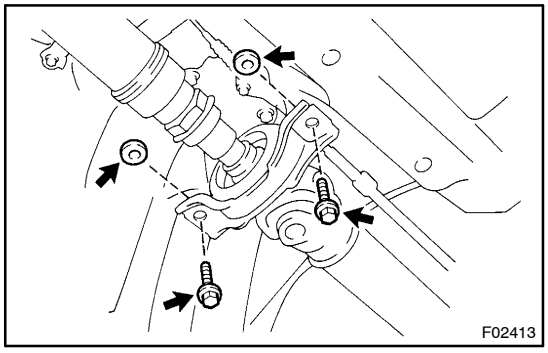
Measure the installation angle by placing the SST in the position, as shown in the illustration.

(c) Calculate the No.2 joint angle.
No.2 joint angle:
A–B= –1°01’ ± 37’
A: Intermediate shaft installation angle
B: Propeller shaft installation angle

(d) Calculate the No.3 joint angle.
No.3 joint angle:
B–C= 1°14’ ± 42’
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.



3. ADJUST NO.2 JOINT ANGLE

Select the proper shaft center support bearing adjusting washer for adjustment.

Thickness mm (in.)	Thickness mm (in.)
1.0 (0.039)	3.6 (0.142)
2.0 (0.079)	4.0 (0.157)
2.5 (0.098)	4.5 (0.177)
3.0 (0.118)	–

HINT:

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