

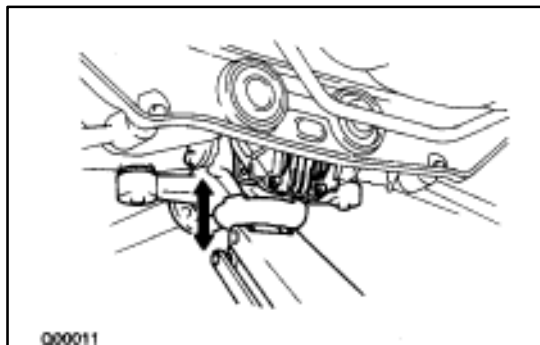
INSPECTION AND ADJUSTMENT OF JOINT ANGLE

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

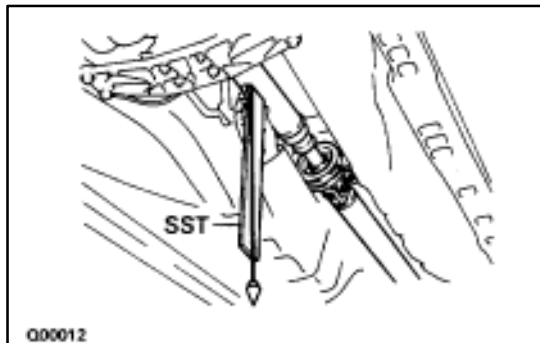


1. STABILIZE PROPELLER SHAFT AND DIFFERENTIAL

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



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

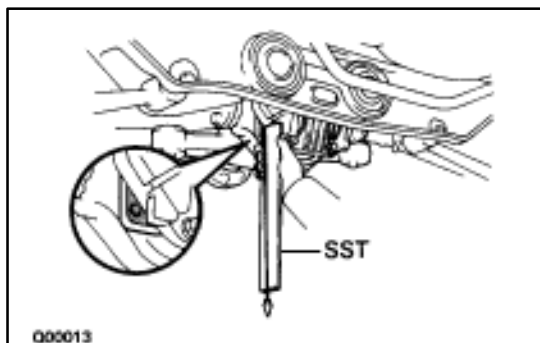


2. CHECK JOINT ANGLE OF NO. 2 JOINT AND NO. 3 JOINT

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

SST 09370-50010

HINT: The SST should be directly underneath the tube.

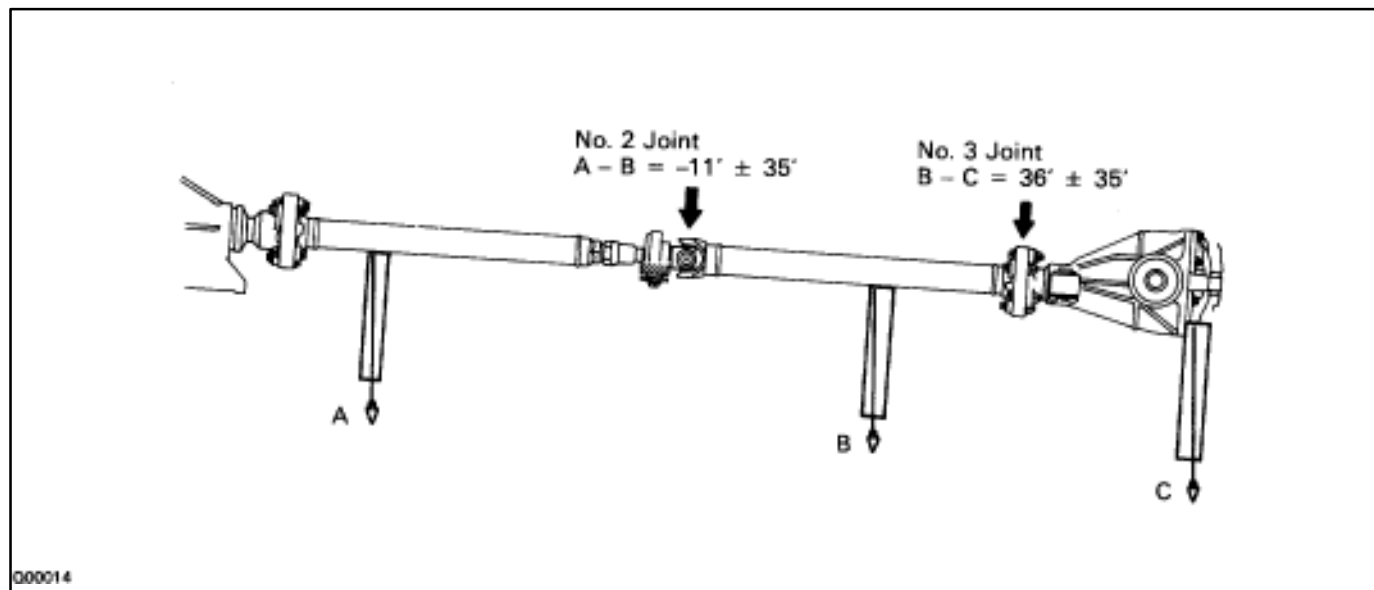


- (b) Using SST, measure the installation angle of the differential.

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: $A - B = -11' \pm 35'$
 A: Intermediate shaft installation angle
 B: Propeller shaft installation angle
- (d) Calculate the No. 3 joint angle.
 No. 3 joint angle: $B - C = 36' \pm 35'$
 B: Propeller shaft installation angle
 C: Differential installation angle



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

		Thickness mm (in.)	Remarks
Center support bearing	Adjusting washer	4.5 (0.177) 6.5 (0.256) 9.0 (0.354) 11.0 (0.433)	<ul style="list-style-type: none"> Left and right washers should be the same thickness. Two washers should not be assembled together. Some vehicles are not assembled with washers.
	Set bolt	33.0 (1.299) 40.0 (1.575)	<ul style="list-style-type: none"> When using the 4.5 mm (0.177 in.) center support bearing adjusting washer or when not using the washer, use the 33 mm (1.299 in.) bolt.
Differential	Mount upper stopper	2.5 (0.098) 2.8 (0.110)	<ul style="list-style-type: none"> When the vehicle is new a 2.8 mm (0.110 in.) stopper used in assembly.
	Adjusting shim	1.0 (0.039) 1.6 (0.063) 2.0 (0.079)	<ul style="list-style-type: none"> Left and right washers should be the same thickness. This shim is installed on top of the mount upper stopper and is used for adjustment.

Adjustment Chart

HOW TO READ THIS CHART

Take measurements, then calculate the No. 2 and No. 3 joint angle.

Mark the calculated values on the chart and read the coordinates.

Replace the adjusting washer, shim and mount upper stopper in accordance with the coordinates read and adjust the joint angles.

Example

Measurements (Installation angle):

Intermediate shaft $1^{\circ}50'$

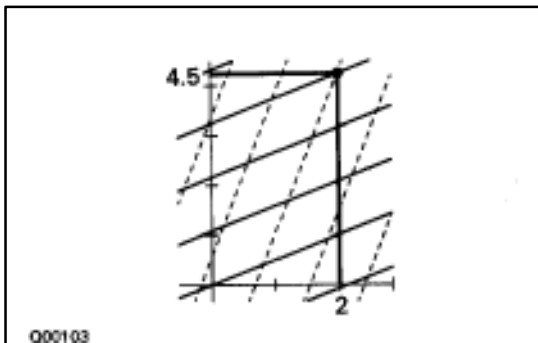
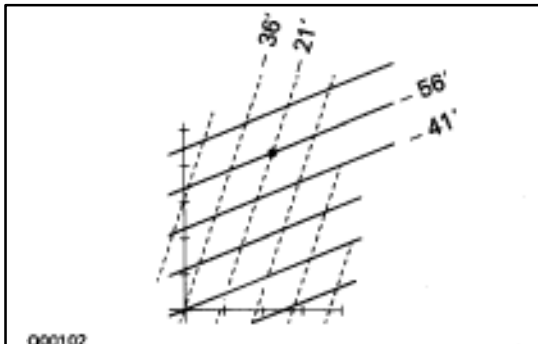
Propeller shaft $2^{\circ}45'$

Differential $3^{\circ}05'$

Joint angle:

No. 2 $1^{\circ}50' - 2^{\circ}46' = -56'$

No. 3 $2^{\circ}45' - 3^{\circ}05' = -21'$



Adjustment:

Center support bearing

Use adjusting washers which are 4.5 mm (0.177 in.) thicker.

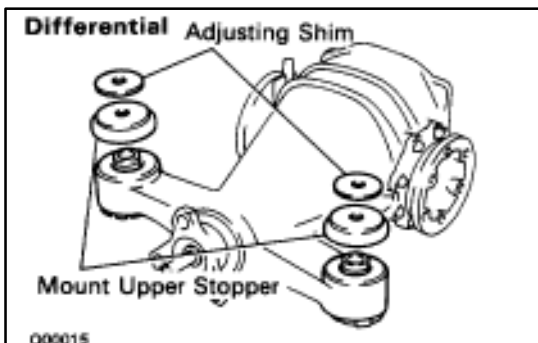
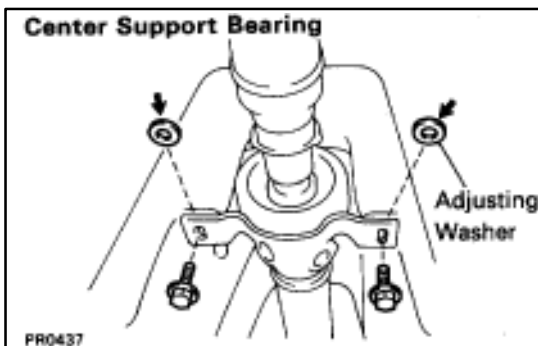
Differential

Use adjusting shims which are 2.0 mm (0.079 in.) thicker.

HINT:

- Maintain the same thickness for the adjusting washers and adjusting shims on both the left and right sides.
- If a washer, stopper and shim of the exact thickness are not available, use the parts which are nearest in thickness.

NOTICE: Check the joint angle once again after making the adjustment.



ADJUSTMENT CHART

