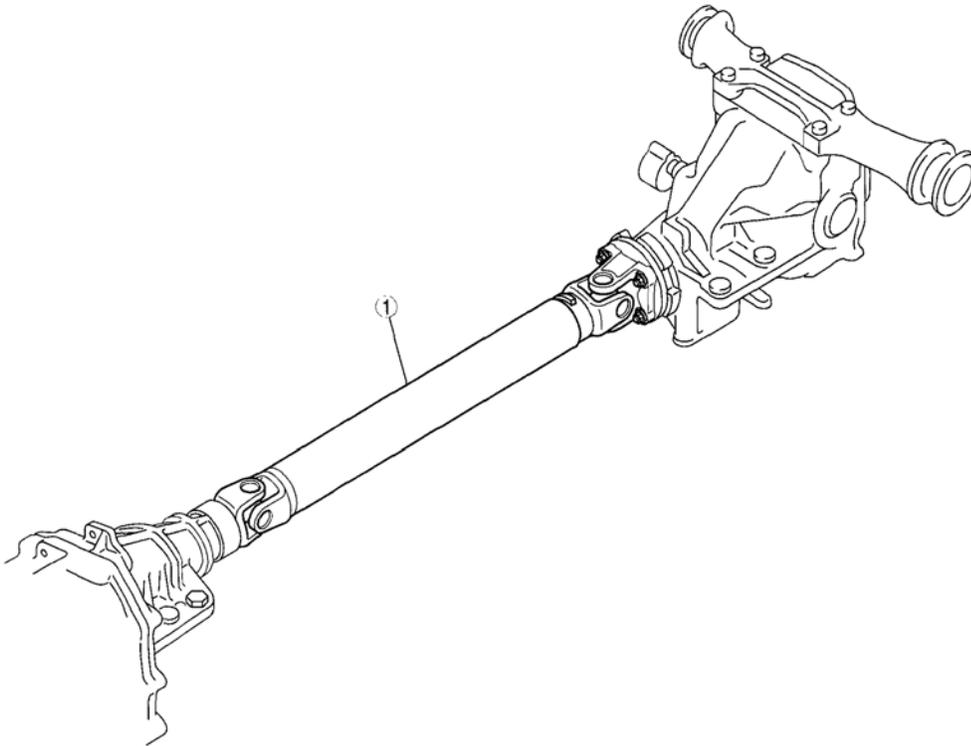


2007 DRIVELINE/AXLES

Propeller Shaft - MX-5 Miata

PROPELLER SHAFT LOCATION INDEX



E5U315ZW5001

1	Propeller shaft
---	-----------------

Fig. 1: Identifying Propeller Shaft

Courtesy of MAZDA MOTORS CORP.

PROPELLER SHAFT REMOVAL/INSTALLATION

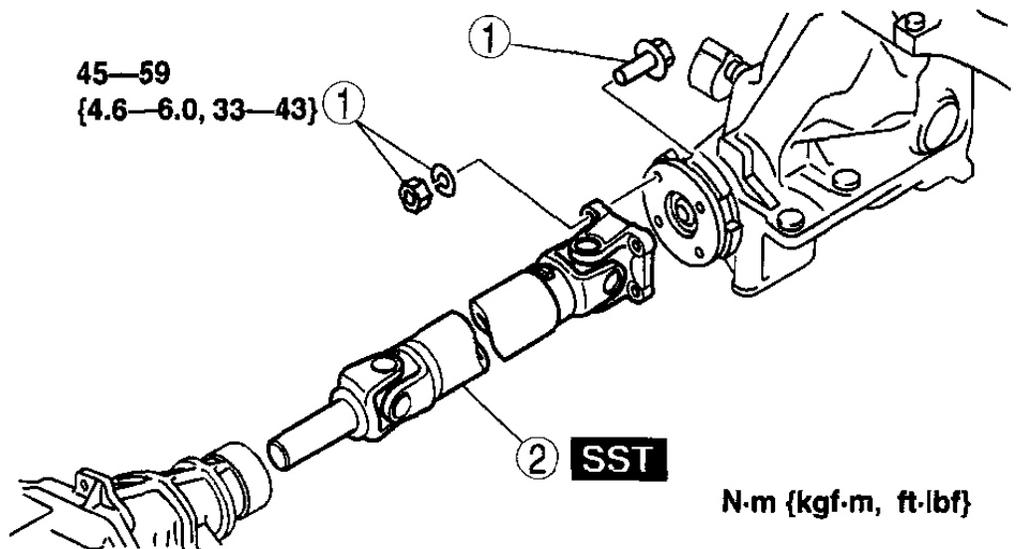
1. Remove the member and the middle pipe.

(See **EXHAUST SYSTEM REMOVAL/INSTALLATION [LF]** .)

2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

2007 Mazda MX-5 Miata Sport

2007 DRIVELINE/AXLES Propeller Shaft - MX-5 Miata



E5U315ZW5002

1	Bolt, nut
2	Propeller shaft

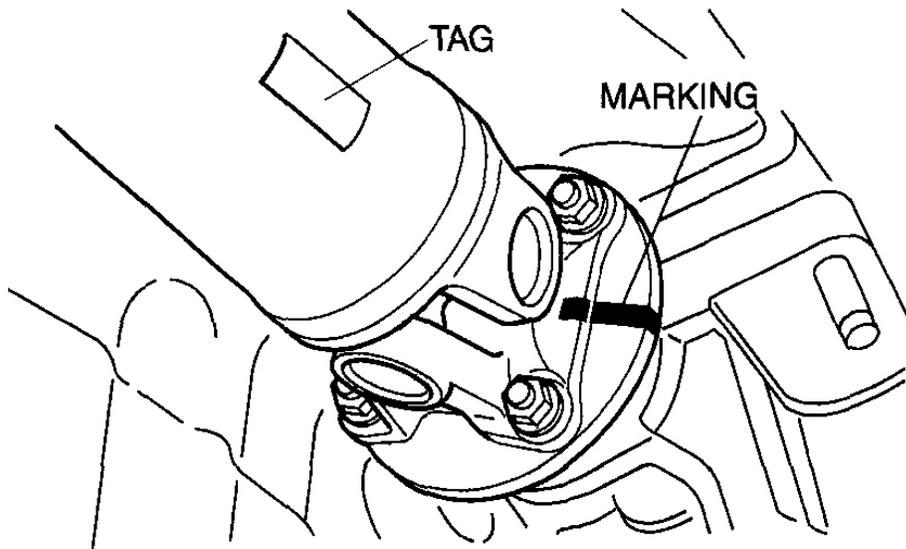
Fig. 2: Identifying Propeller Shaft Components (With Torque Specifications)
Courtesy of MAZDA MOTORS CORP.

PROPELLER SHAFT REMOVAL NOTE

CAUTION:

- When replacing with a new propeller shaft, mark the companion flange to match the position of the tag on the propeller shaft.

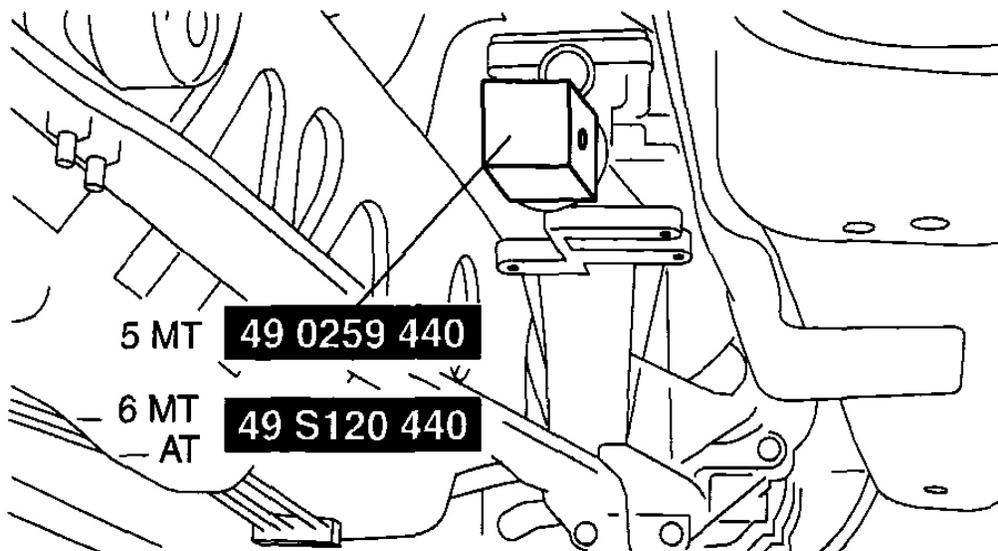
1. Before removing the propeller shaft, make alignment marks on the yoke and differential companion flange.



CHU0315W012

Fig. 3: Removing Propeller Shaft
Courtesy of MAZDA MOTORS CORP.

2. Install the SST to the extension housing.

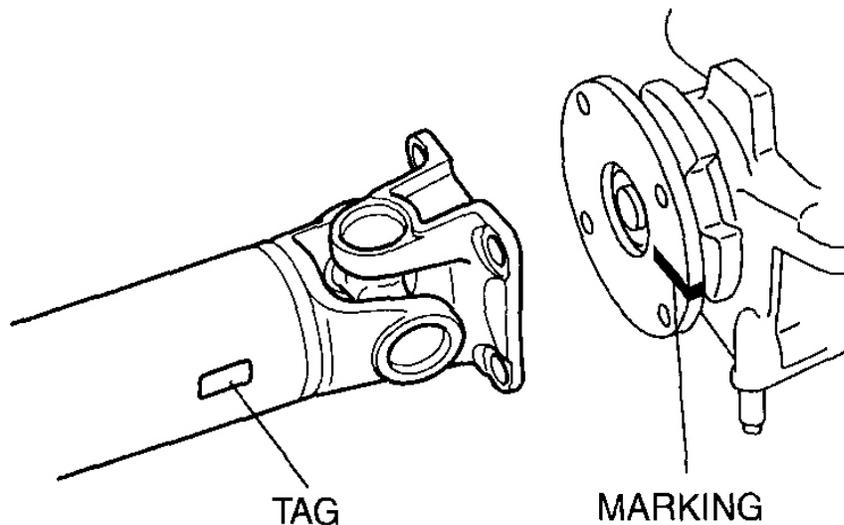


E5U0315W4001

Fig. 4: Identifying SST To Extension Housing
Courtesy of MAZDA MOTORS CORP.

PROPELLER SHAFT INSTALLATION NOTE

1. Align the marks and install the propeller shaft.
2. When installing a new propeller shaft, align the differential companion flange mark with the tag on the propeller shaft and assemble.



CHU0315W004

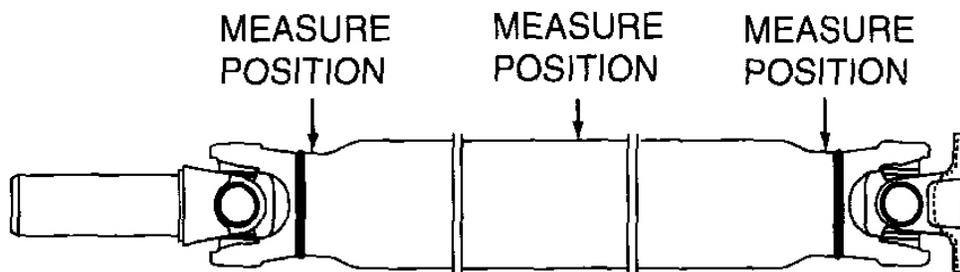
Fig. 5: Identifying Differential Companion Flange Mark And Tag
Courtesy of MAZDA MOTORS CORP.

PROPELLER SHAFT INSPECTION

1. Use a dial gauge to measure the runout of the propeller shaft at each position.
 - If it exceeds the maximum specification, replace the propeller shaft.

Maximum runout

0.4 mm {0.016 in}



CHU0315W009

Fig. 6: Identifying Runout Measuring Points
Courtesy of MAZDA MOTORS CORP.

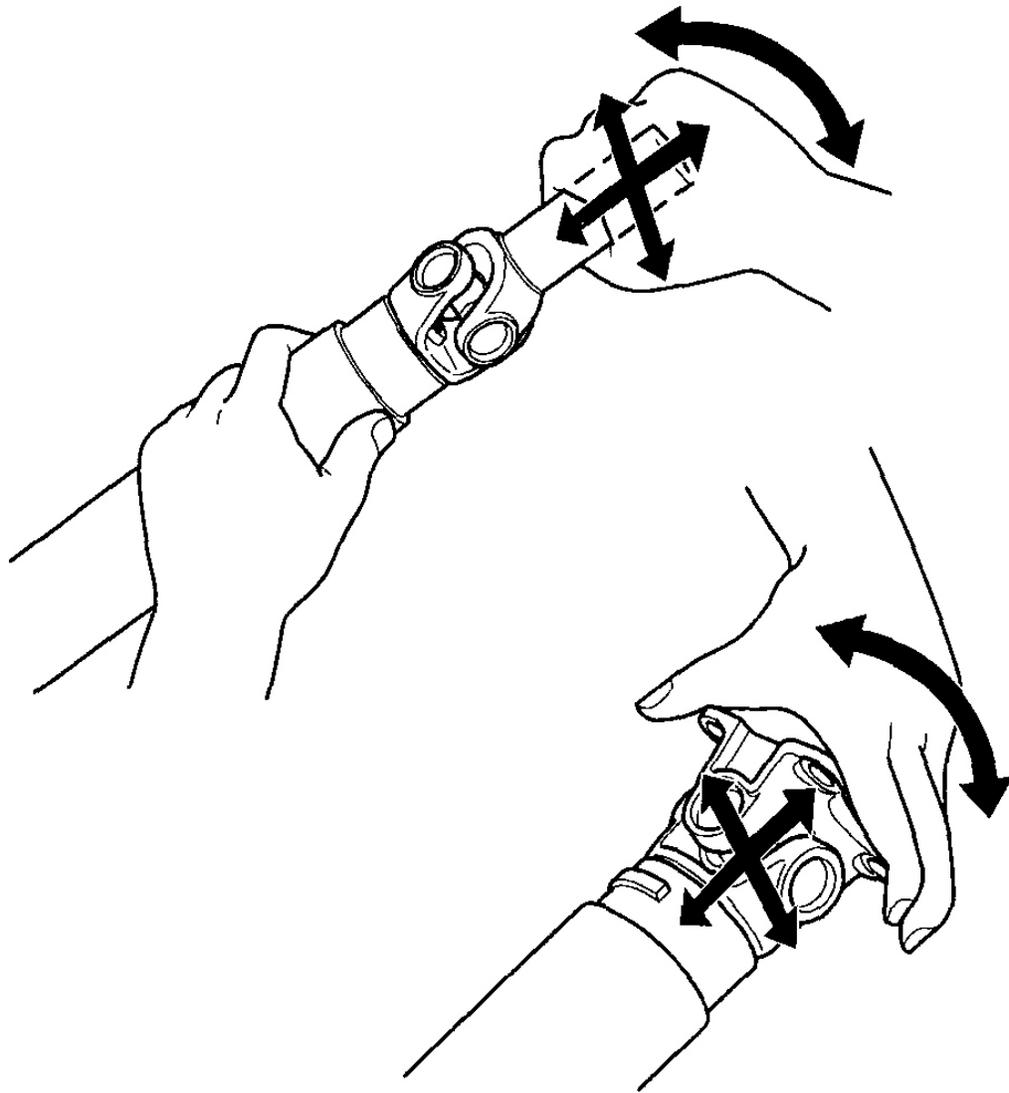
2. Inspect the play and rotation of the joint by turning the universal joint in the direction shown by the arrow

Initial torque (Reference value)

0.29-0.98 N.m

{3.0-10 kgf.cm, 2.7-8.6 in.lbf}

- If there is excessive play or initial torque, replace the propeller shaft.



BHJ0315W006

Fig. 7: Inspecting Play & Rotation Of Joint By Turning Universal Joint In Direction
Courtesy of MAZDA MOTORS CORP.