

## DISASSEMBLY

### 1. INSPECT PROPELLER SHAFT UNIVERSAL JOINT SPIDER BEARING

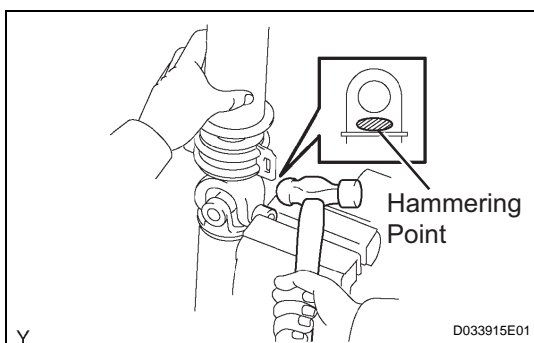
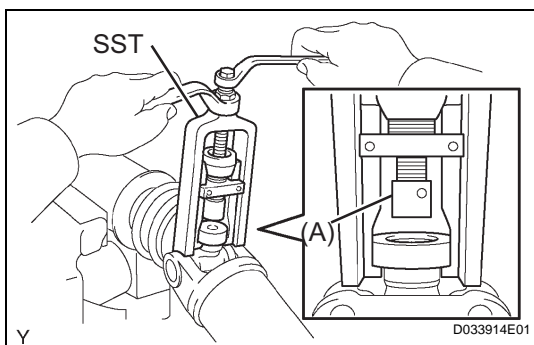
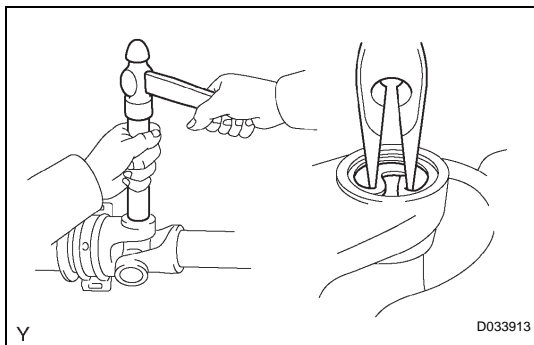
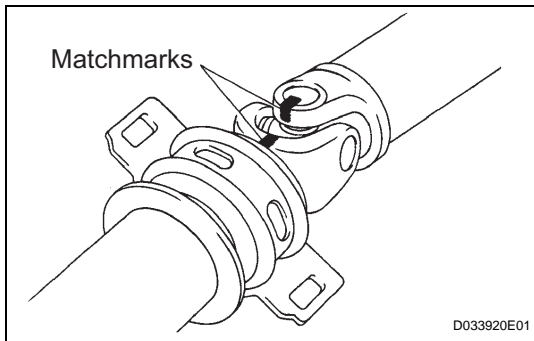
- (a) Check the spider bearings for wear and damage.
- (b) Check each spider bearing's axial play by turning the yoke while holding the shaft tightly.

**Maximum bearing axial play:**  
**0 to 0.05 mm (0 to 0.002 in.)**

If the bearing axial play is greater than the maximum, replace the spider bearing.

### 2. REMOVE PROPELLER SHAFT UNIVERSAL JOINT SPIDER BEARING

- (a) Place matchmarks on the propeller shaft and universal joint yoke.



- (b) Using a brass bar and hammer, slightly tap in the spider bearing.
- (c) Using needle-nose pliers, remove the 4 snap rings from the grooves.

- (d) Clamp the propeller shaft in a vise between aluminum plates.
- (e) Using SST, push the spider bearing out of the propeller shaft.

**SST 09332-25010**

**HINT:**

Sufficiently raise the part indicated by (A) so that it does not come into contact with the spider bearing.

- (f) Clamp the removed spider bearing outer race in a vise and tap the propeller shaft to remove the spider bearing.

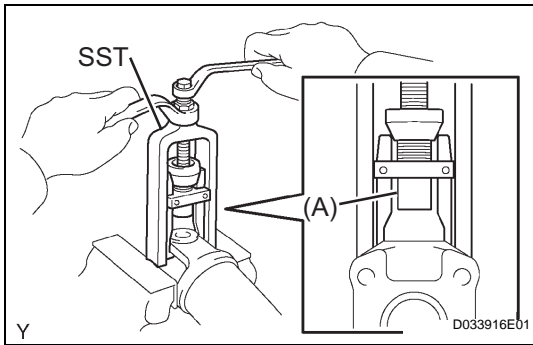
**NOTICE:**

**Do not tap the shaft tube.**

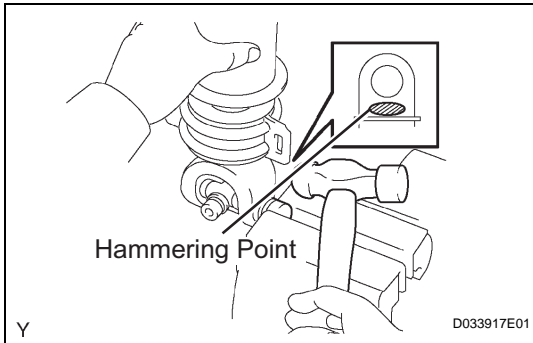
**HINT:**

Remove the spider bearing from the opposite side of the spider using the same procedure.

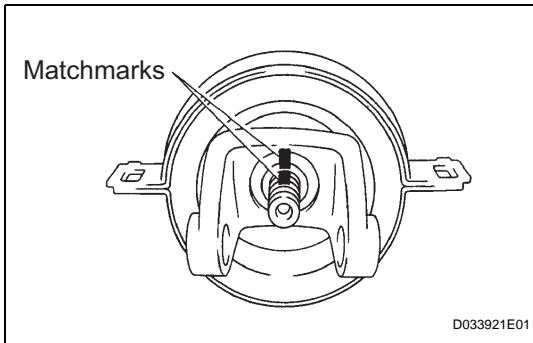
- (g) Separate the propeller with center bearing shaft.



- (h) Reinstall the 2 removed spider bearings onto the spider and clamp the spider bearings in a vise.
- (i) Using SST, push the bearing out of the yoke.  
**SST 09332-25010**  
**HINT:**  
 Sufficiently raise the part indicated by (A) so that it does not come into contact with the bearing.

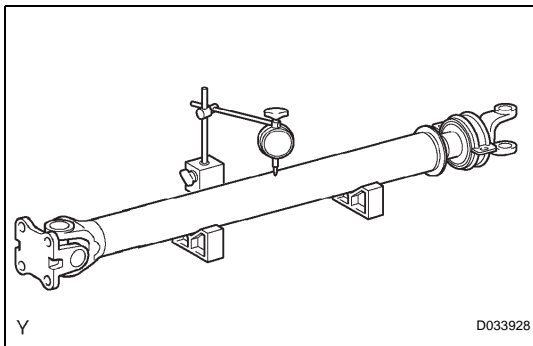


- (j) Clamp the outer bearing race in a vise and tap off the yoke with a hammer.
- (k) Remove the spider.



**3. REMOVE CENTER SUPPORT BEARING ASSEMBLY NO. 2**

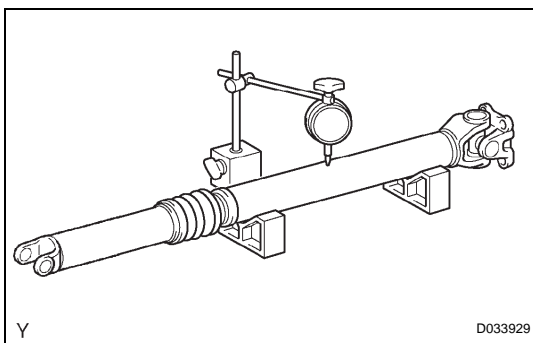
- (a) Fix the yoke at the center bearing section in a vise.
- (b) Using a chisel and a hammer, loosen the staked part of the lock nut.
- (c) Place matchmarks on the yoke and shaft.
- (d) Using a brass bar and hammer, remove the center yoke, spacer and center support bearing from the intermediate shaft.



**INSPECTION**

**1. INSPECT PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY**

- (a) Using a dial indicator, check the propeller shaft runout.  
**Maximum runout:**  
**0.6 mm (0.024 in.)**  
 If the shaft runout is greater than the maximum, replace the shaft.



**2. INSPECT PROPELLER SHAFT**

- (a) Using a dial indicator, check the propeller shaft runout.  
**Maximum runout:**  
**0.6 mm (0.024 in.)**  
 If the shaft runout is greater than the maximum, replace the shaft.