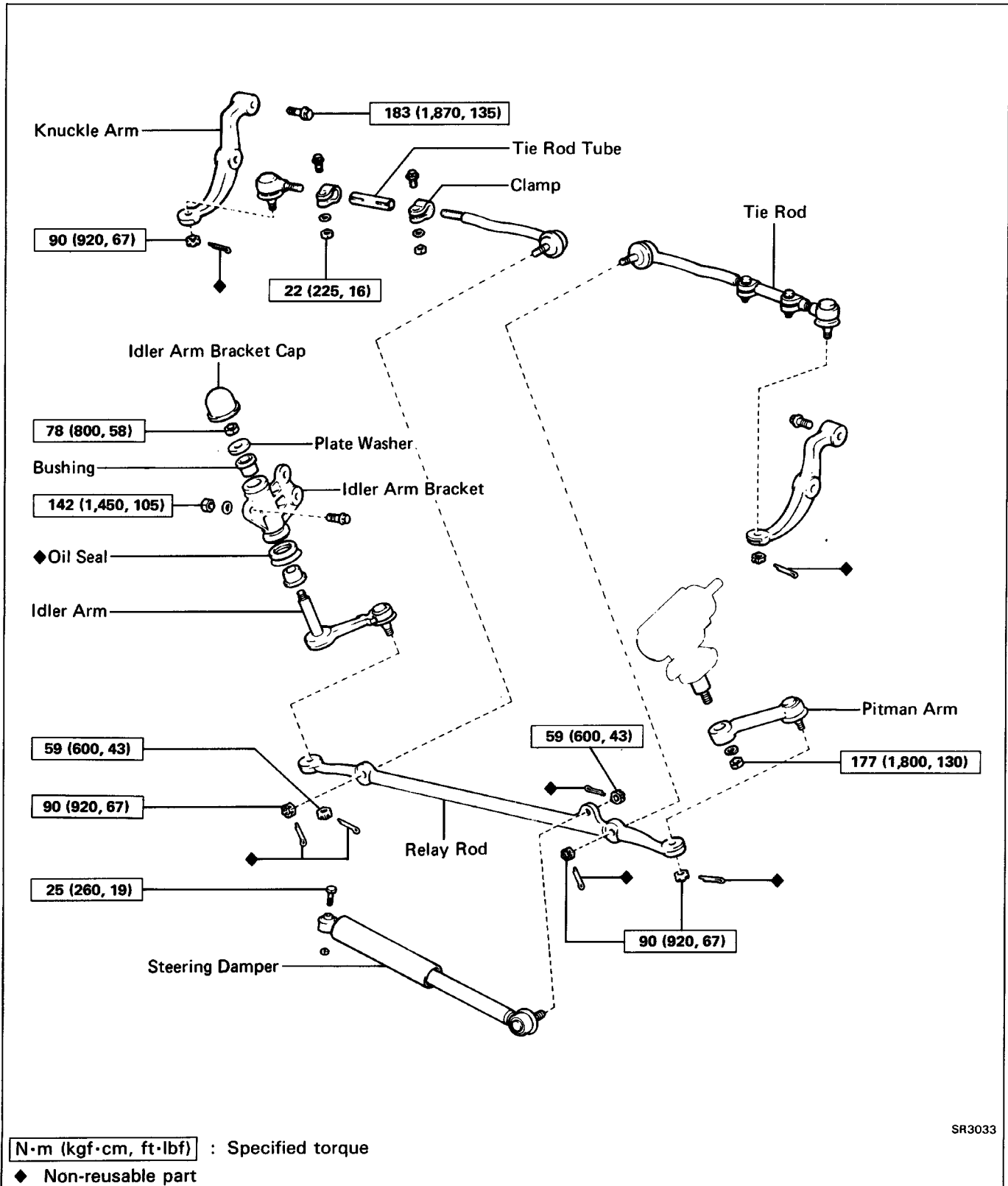


# STEERING LINKAGE (4WD)

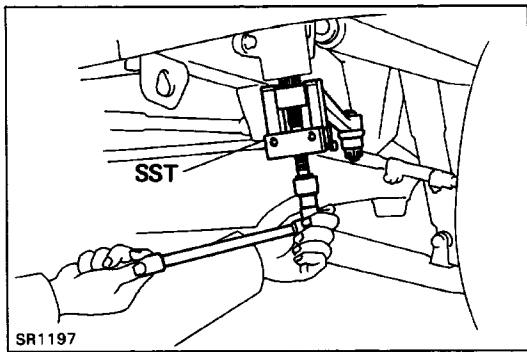
## REMOVAL AND INSTALLATION OF STEERING LINKAGE

Remove and install the parts as shown.



SR3033

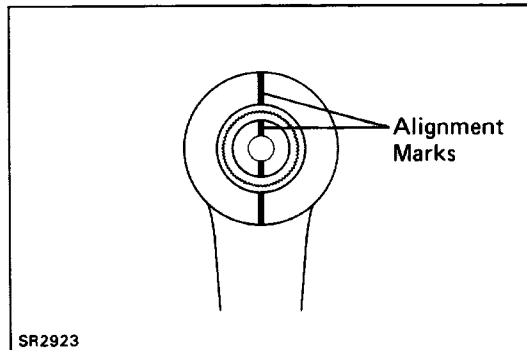
HINT: (See page  
[SR-93](#))



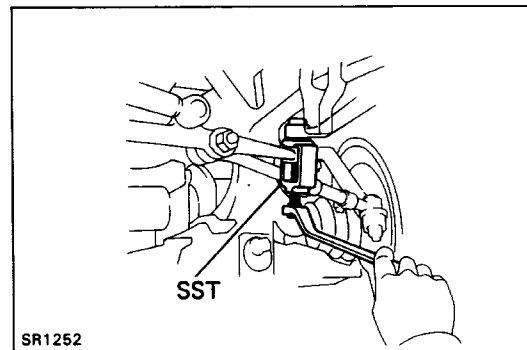
## (MAIN POINTS OF REMOVAL AND INSTALLATION)

### 1. DISCONNECT AND CONNECT PITMAN ARM FROM/TO SECTOR SHAFT

- (a) Loosen the pitman arm nut.
- (b) Using SST, disconnect the pitman arm from the sector shaft.  
SST 09628-62011

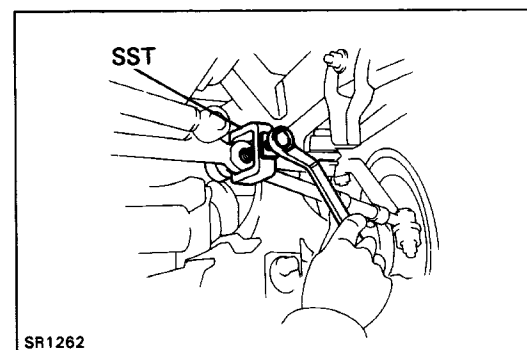


- (c) When connecting, align alignment marks on the pitman arm and the sector shaft, and install the spring washer and nut.



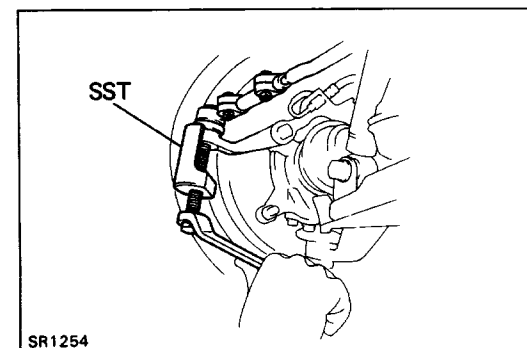
### 2. DISCONNECT PITMAN ARM FROM RELAY ROD

Using SST, disconnect the pitman arm from the relay rod.  
SST 09611-22012



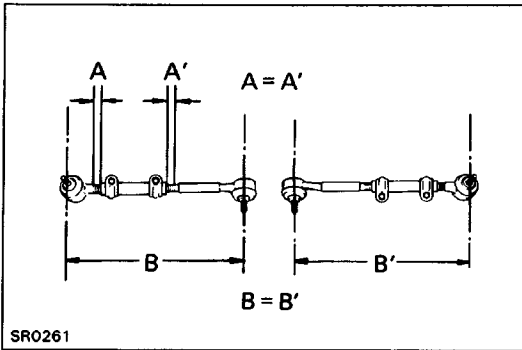
### 3. DISCONNECT TIE ROD FROM RELAY ROD

Using SST, disconnect the tie rod from the relay rod.  
SST 09611-22012



### 4. DISCONNECT TIE ROD FROM KNUCKLE ARM

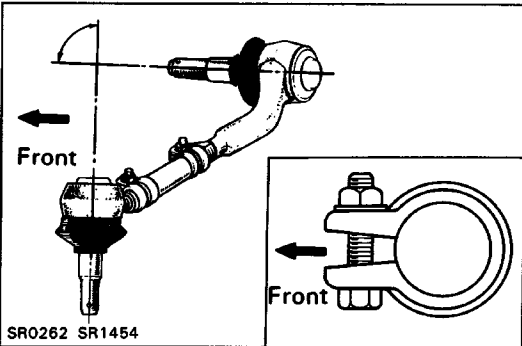
Using SST, disconnect the tie rod from the knuckle arm.  
SST 09628-62011



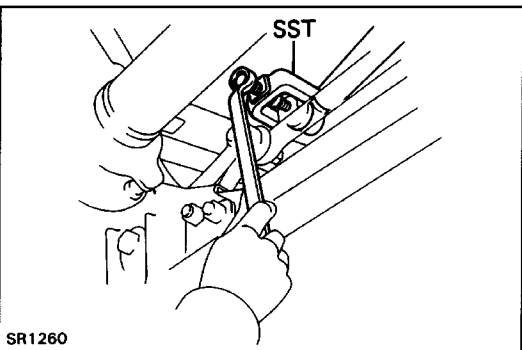
## 5. CONNECT TIE ROD

- (a) Screw the tie rod ends into the tie rod.

HINT: The tie rod length should be approximately 328.5 mm (12.933 in.), and the remaining length of threads on both tie rod ends should be equal.



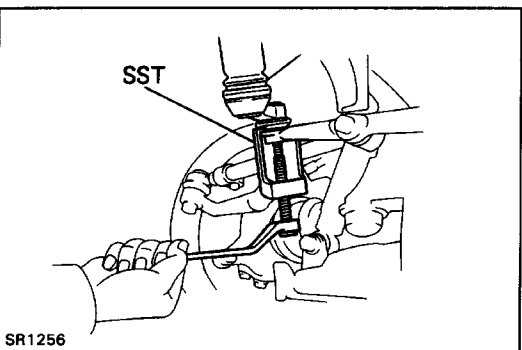
- (b) Turn the tie rods so that they cross at about 90 degrees. And connect it.



## 6. DISCONNECT STEERING DAMPER FROM RELAY ROD

Using SST, disconnect the steering damper from the relay rod.

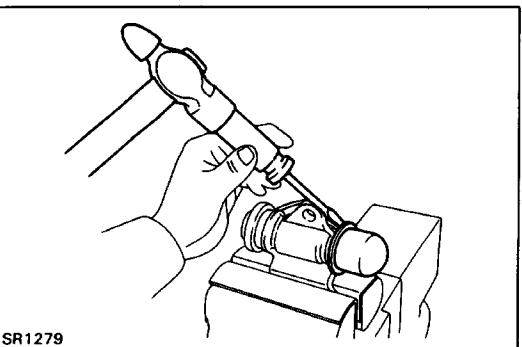
SST 09611-22012



## 7. DISCONNECT IDLER ARM FROM RELAY ROD

Using SST, disconnect the idler arm from the relay rod.

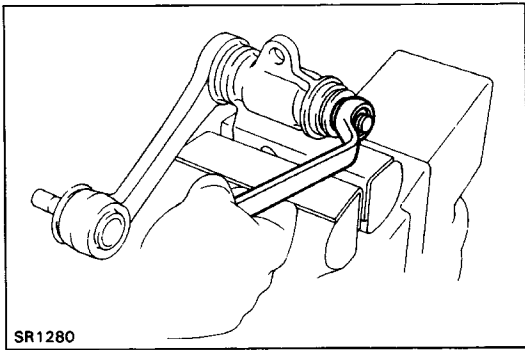
SST 09610-20012



## DISASSEMBLY OF IDLER ARM BRACKET

### 1. REMOVE IDLER ARM BRACKET CAP

Using a screwdriver and hammer, remove the idler arm bracket cap.

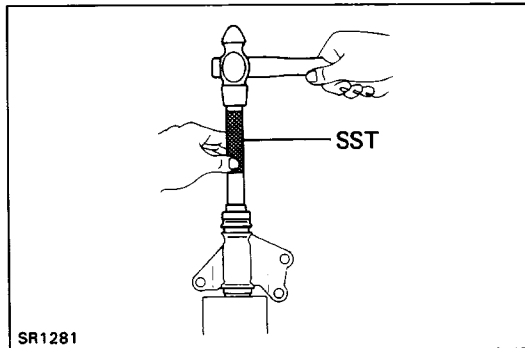


## 2. REMOVE IDLER ARM WITH SHAFT

Remove the nut and pull the idler arm with the shaft off the idler arm bracket.

## 3. REMOVE OIL SEAL

Using a screwdriver, remove the oil seal.

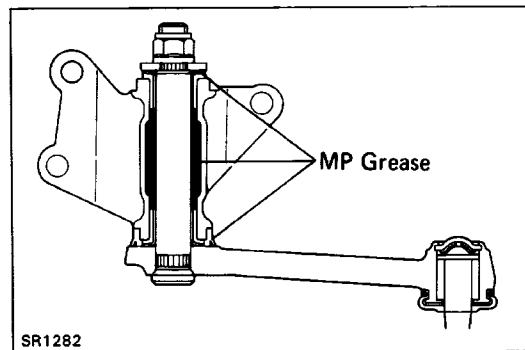


## ASSEMBLY OF IDLER ARM BRACKET

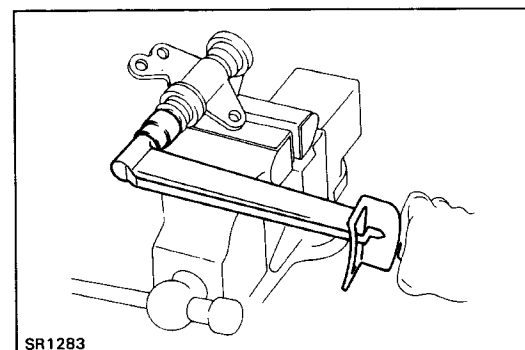
### 1. INSTALL OIL SEAL

Using SST, tap in a new oil seal.

SST 09620-30010 (09624-30010, 09631-00020)



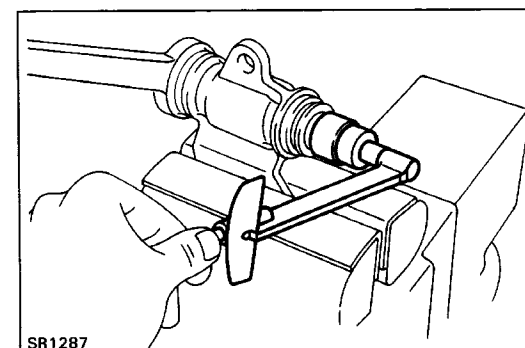
### 2. APPLY MP GREASE



### 3. INSTALL IDLER ARM WITH SHAFT

- Install the idler arm shaft to the bracket.
- Install the washer and nut.

**Torque: 78 N·m (800 kgf·cm, 58 ft·lbf)**



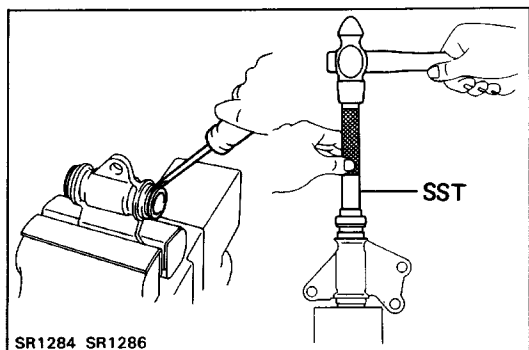
### 4. INSPECT IDLER ARM FOR ROTATION CONDITION

Using a torque meter, turn the nut several times and take the torque reading.

**Torque (Turning): 0.5 - 2.9 N·m**

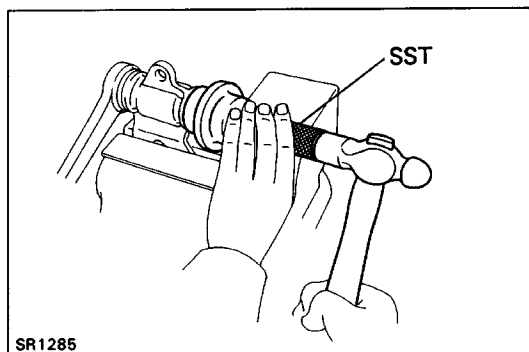
**(5 - 30 kgf·cm, 5 - 26 in.·lbf)**

If necessary, replace the bushings.



### 5. IF NECESSARY, REPLACE BUSHINGS

- (a) Using a screwdriver, remove the bushings.
- (b) Using SST, install each bushing to the idler arm bracket.  
SST 09620-30010 (09627-30010, 09631-00020)



### 6. INSTALL IDLER ARM BRACKET CAP

- (a) Apply sealant to the cap end.  
**Sealant: Part No. 08826-00090, THREE BOND 1281 or equivalent**
- (b) Using SST, install the idler arm bracket cap.  
SST 09223-46011