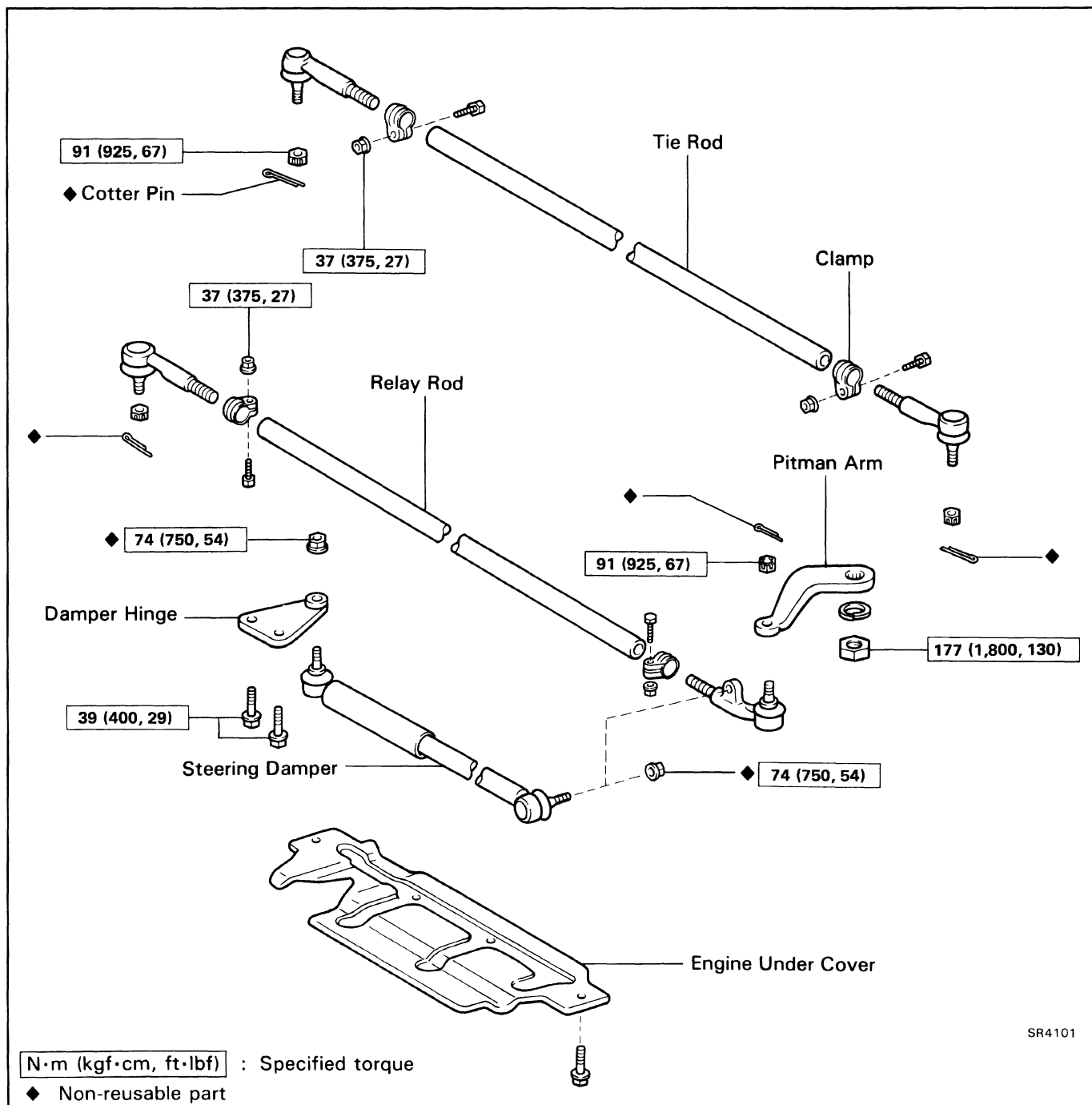


STEERING LINKAGE

REMOVAL AND INSTALLATION OF STEERING LINKAGE

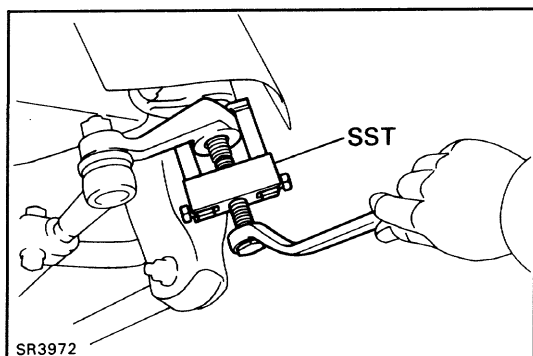
Remove and install the parts as shown.



SR4101

HINT:

- When connecting the ball stud to the arm or rod, remove the grease on the joint surfaces.
- After torquing the ball stud nut to specified torque, advance the nut just enough to insert the cotter pin.
- After installing any of the steering linkage components, check the front wheel alignment.
(See page [SA-3](#))

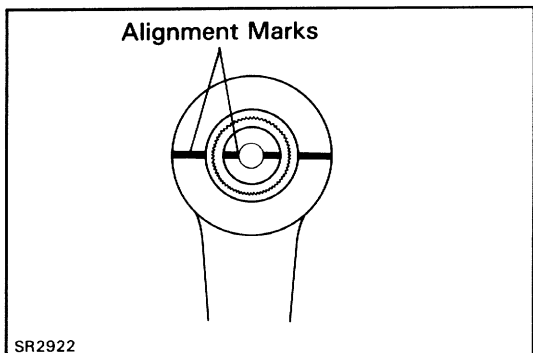


(MAIN POINTS OF REMOVAL AND INSTALLATION)

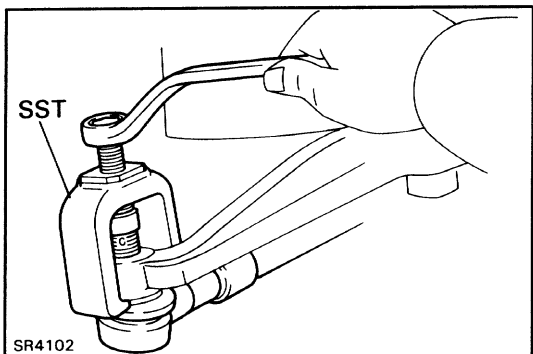
1. DISCONNECT AND CONNECT PITMAN ARM FROM/TO SECTOR SHAFT

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

SST 09628-62011



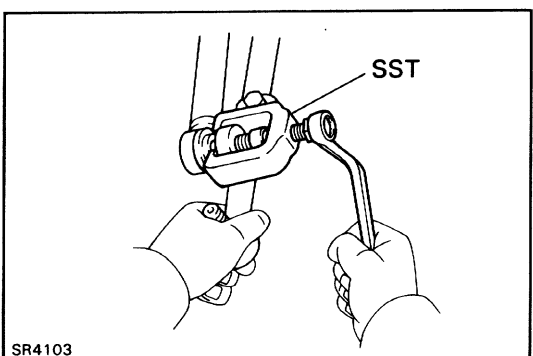
- (c) When connecting, align the alignment marks on the pitman arm and the sector shaft, and install the spring washer and nut.



2. DISCONNECT RELAY ROD FROM PITMAN ARM

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

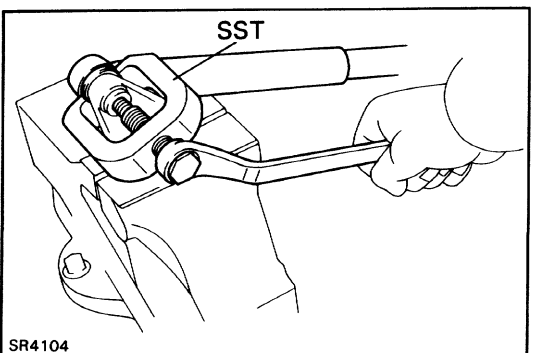
SST 09611-22012



3. DISCONNECT STEERING DAMPER FROM RELAY ROD

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

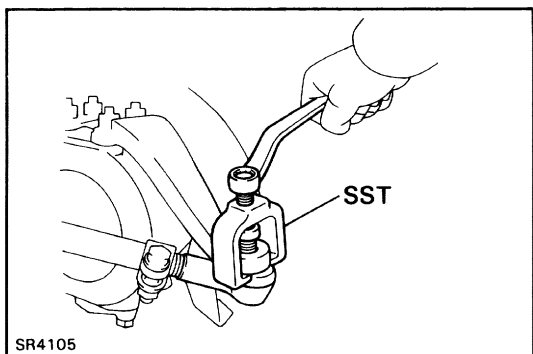
SST 09611-22012



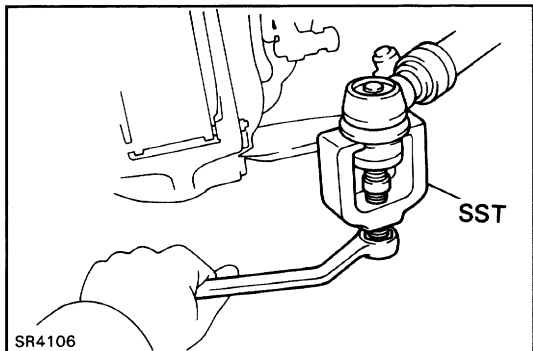
4. DISCONNECT STEERING DAMPER FROM DAMPER HINGE

- (a) Remove the damper with hinge.
- (b) Using SST, disconnect the damper from the hinge.

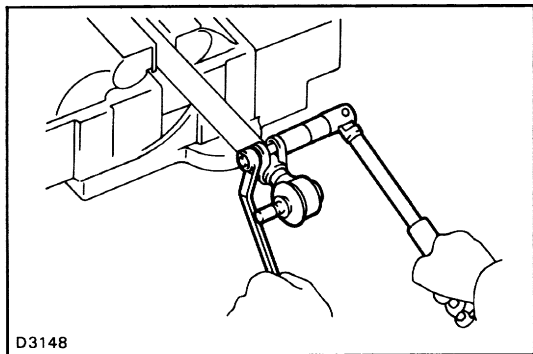
SST 09610-55012

**5. DISCONNECT RELAY ROD FROM KNUCKLE ARM**

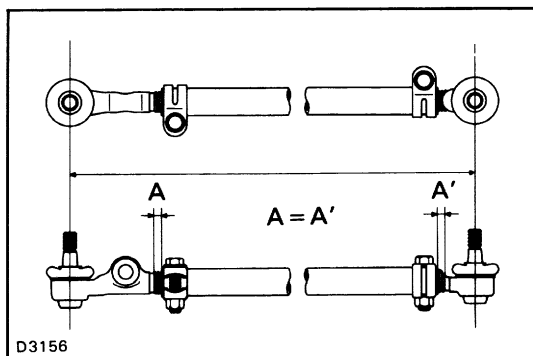
Using SST, disconnect relay rod from knuckle arm.
SST 09611-22012

**6. DISCONNECT TIE ROD FROM KNUCKLE ARM**

Using SST, disconnect tie rod from knuckle arm.
SST 09611-22012

**7. IF NECESSARY, REPLACE TIE OR RELAY ROD END**

- (a) Loosen the tie or relay rod end clamp and remove the tie rod end.



- (b) Turn the rod ends equal amounts into the rod tube.
Tie rods should be approximately 1,207 mm (47.51 in.). Relay rods should be approximately 1,076 mm (42.34 in.).
- (c) The remaining length of threads on both tie rod ends should be equal.
- (d) Temporarily tighten the tie rod end clamp.