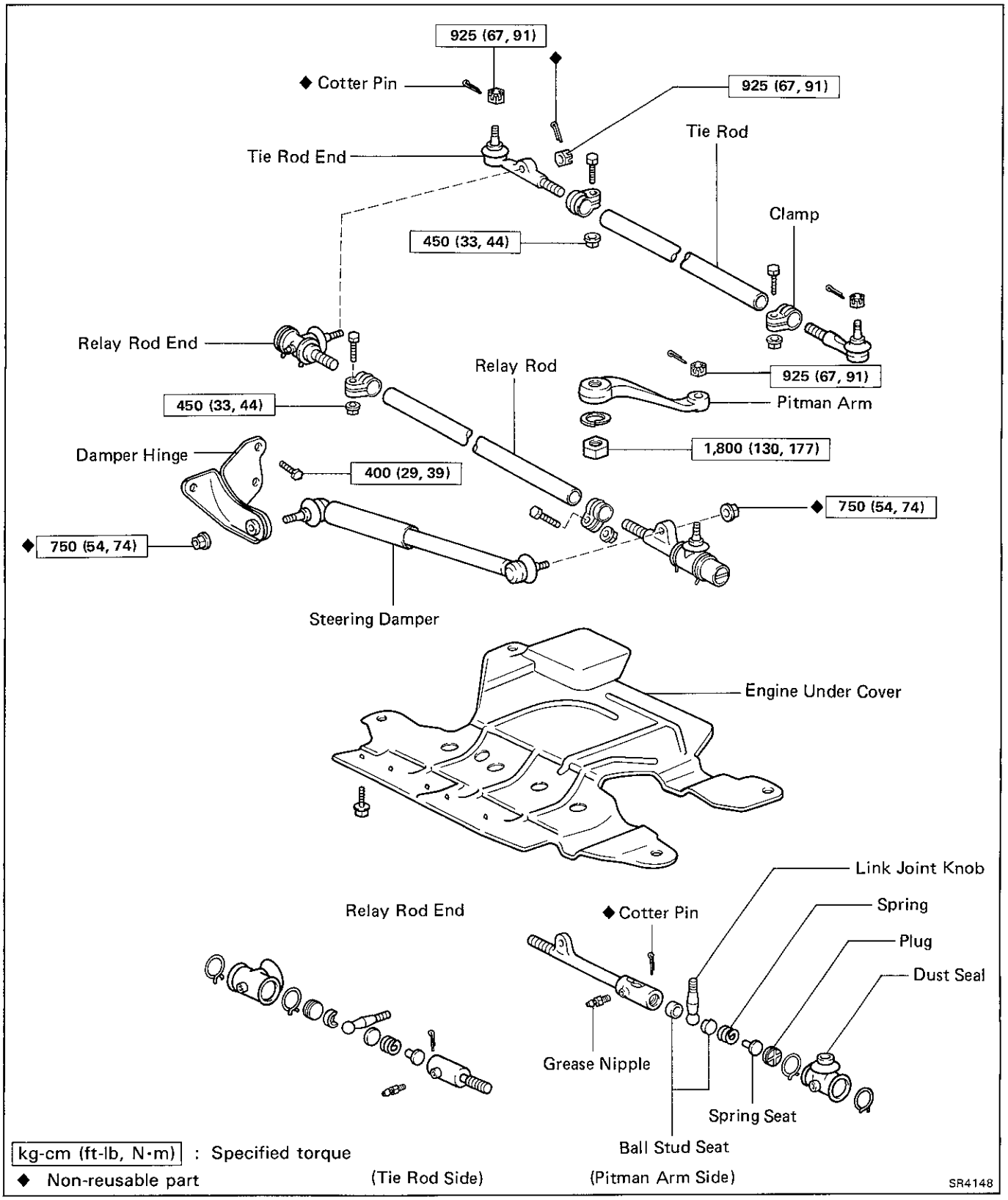
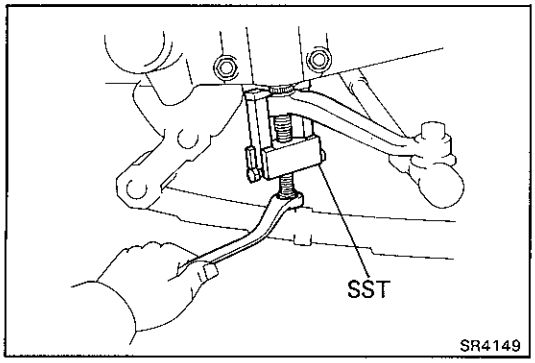
STEERING LINKAGE (HEAVY-DUTY)

REMOVAL AND INSTALLATION OF STEERING LINKAGE

Remove and install the parts as shown.



HINT: (See page SR-76)



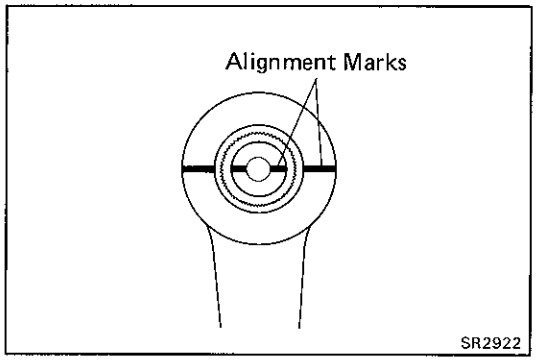
(MAIN POINTS OF REMOVAL AND INSTALLATION)

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

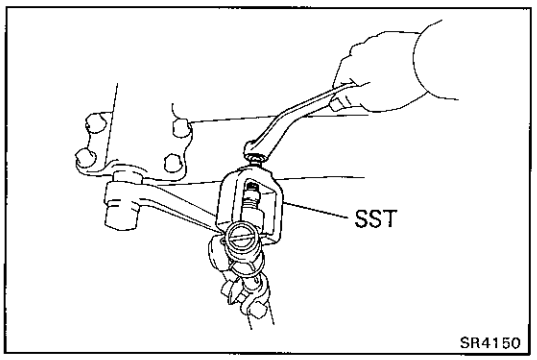
(a) Loosen the pitman arm nut.

(b) Using SST, disconnect pitman arm from sector shaft.

SST 09628-62011



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



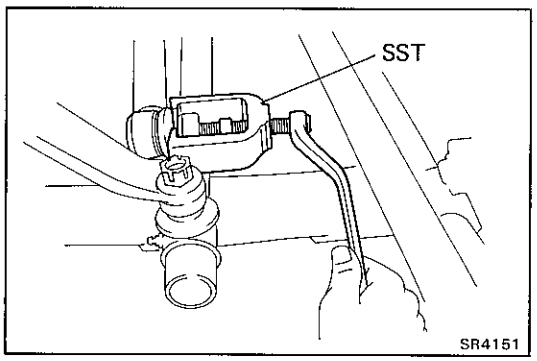
2. DISCONNECT PITMAN ARM FROM RELAY ROD

(a) Remove the cotter pin and nut.

HINT: Before removing the arm, temporarily install the pitman arm nut.

(b) Using SST, disconnect the pitman arm from relay rod.

SST 09611-22012

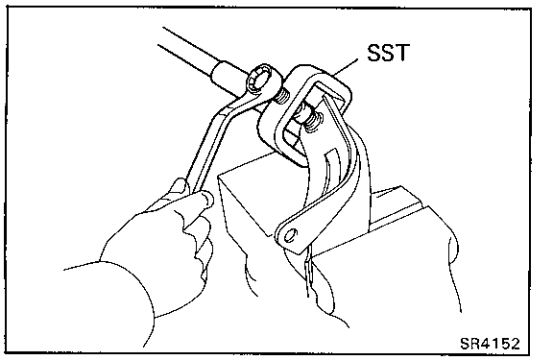


3. DISCONNECT STEERING DAMPER FROM RELAY ROD

(a) Remove the nut.

(b) Using SST, disconnect steering damper from relay rod.

SST 09611-22012

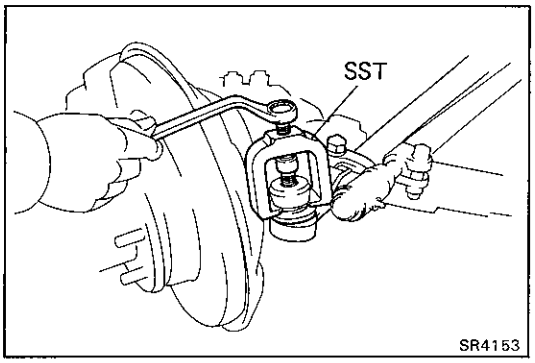


4. DISCONNECT STEERING DAMPER FROM HINGE

(a) Clamp the hinge in a vise.

(b) Using SST, disconnect the damper from hinge.

SST 09628-12022

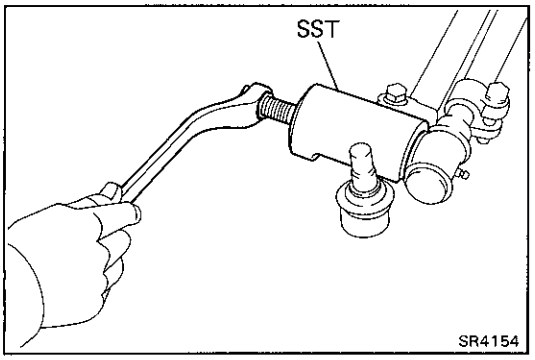


5. DISCONNECT TIE ROD FROM KNUCKLE ARM

(a) Remove the cotter pin and nut.

(b) Using SST, disconnect the tie rod from knuckle arm.

SST 09611-22012

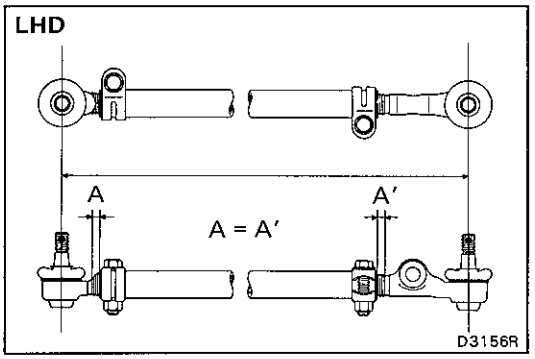


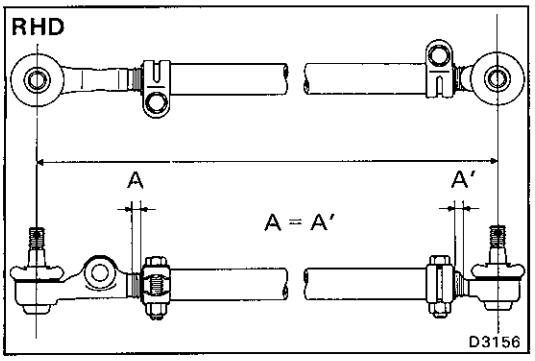
6. DISCONNECT RELAY ROD FROM TIE ROD

(a) Remove the cotter pin and nut.

(b) Using SST, disconnect the relay rod from tie rod.

SST 09610-20012



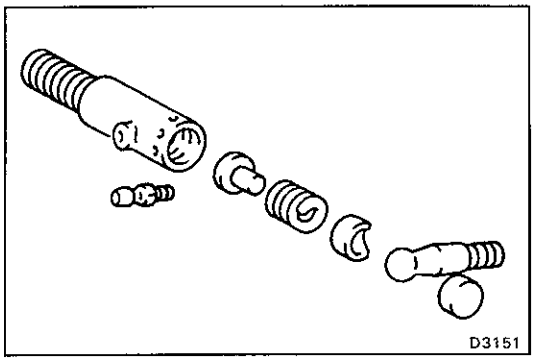


7. IF NECESSARY, ADJUST TIE ROD LENGTH

(a) Loosen the tie rod end clamp.

(b) Turn the tie rod ends equal amounts into the tie rod tube. Tie rods should be approximately 1,207 mm (47.51 in.).

(c) Temporarily tighten the tie rod end clamp.

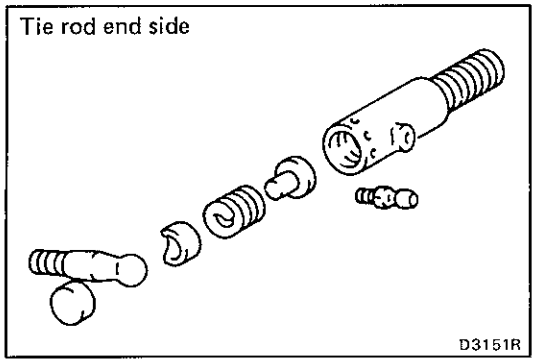


8. IF NECESSARY, REPLACE RELAY ROD END

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

(b) Remove the cotter pin.

(c) Using a screwdriver, remove the plug, two ball stud seats, link joint knob, spring and spring seat.

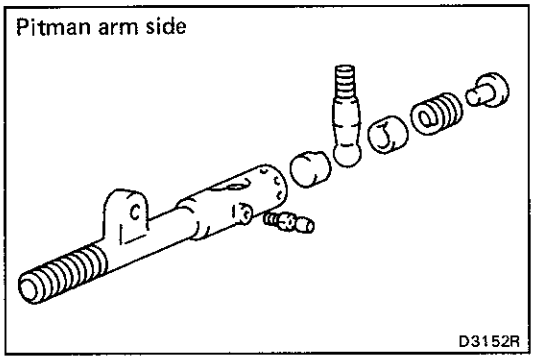


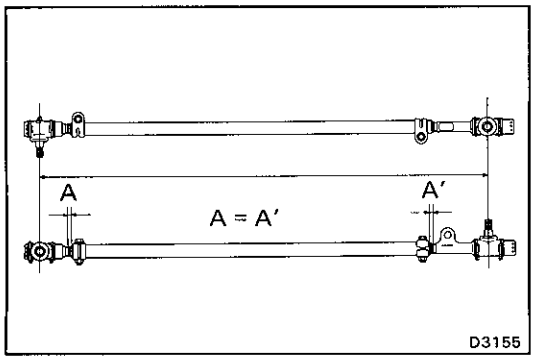
(d) Apply molybdenum disulphide lithium base grease to the joint parts.

(e) Install the spring seat, spring, link joint knob and two ball stud seats.

(f) Tighten the plug completely.

(g) Loosen the plug 1 — 1 1/3 turns and install a new cotter pin.





(h) Turn the relay rod ends equal amounts into the relay rod tube. Relay rod should be approximately 960.5 mm (37.81 in.).

(i) Torque the clamp bolts.

Torque: 450 kg-cm (33 ft-lb, 44 N·m)