FRONT TORSION BAR SPRING (4WD and PRERUNNER)

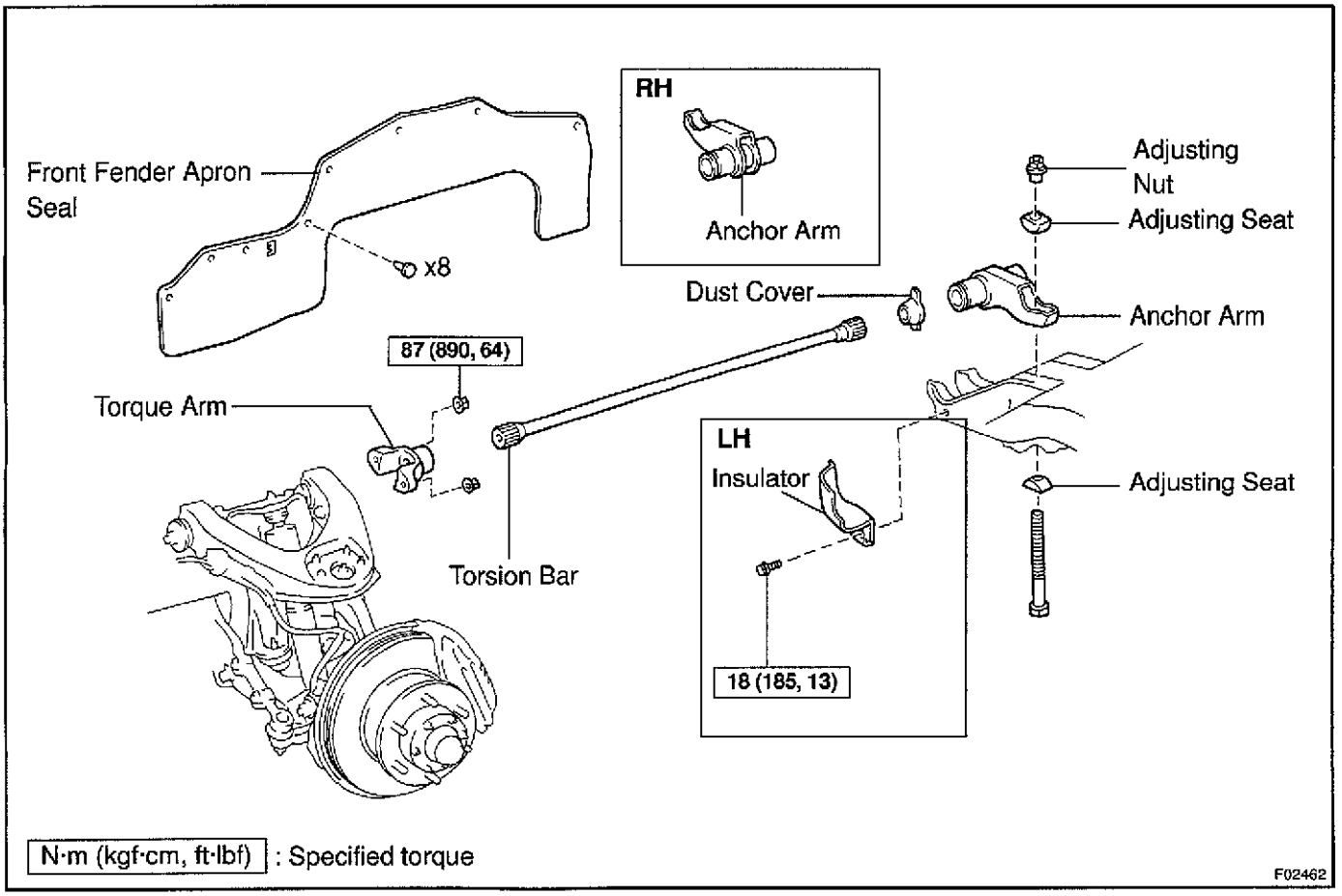
SADMV-01

COMPONENTS

HINT:

Prerunner is the model described below.

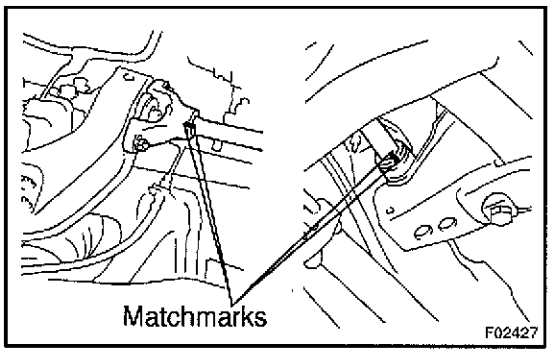
RZN193L–PRMDK, LN191L–PRMDS



SA0MW–01

REMOVAL

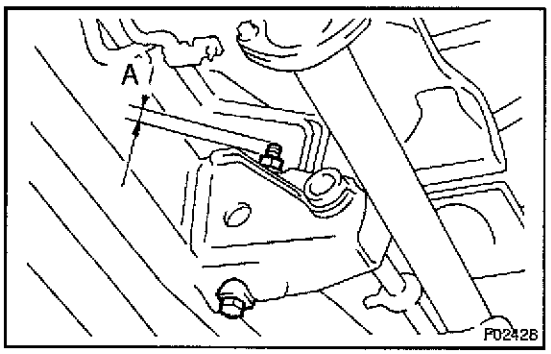
1. **REMOVE FRONT WHEEL**
   Torque: 105 N·m (1,050 kgf·cm, 76 ft·lbf)
2. **REMOVE FRONT FENDER APRON SEAL**



3. **PLACE MATCHMARKS ON TORQUE ARM, ANCHOR ARM AND TORSION BAR SPRING**

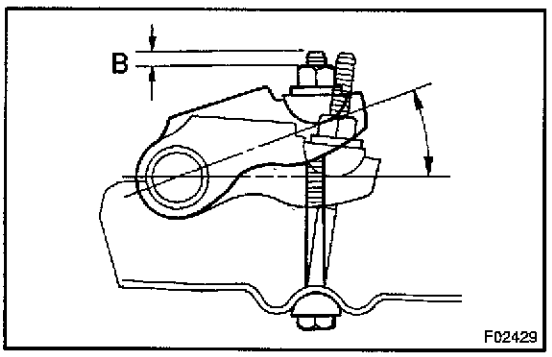
(a) LH side:
Remove the bolt and insulator.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Place matchmarks on the torque arm, anchor arm and torsion bar spring.



4. **MEASURE PROTRUDING BOLT END "A"**

HINT:
At the time of installation, refer to the following items.
- Tighten the adjusting nut to the bolt protruding length is of before removal.
- After stabilizing the suspension, adjust the vehicle height by turning the adjusting nut (See page SA–12).

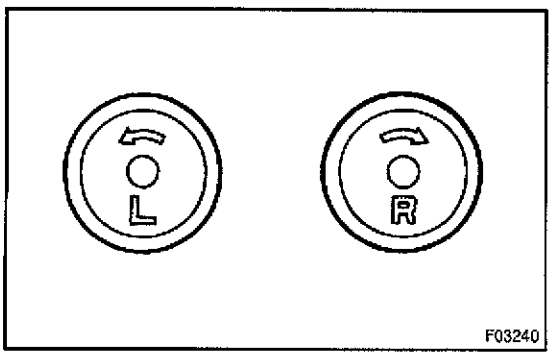


5. **LOOSEN ADJUSTING NUT AND MEASURE PROTRUDING BOLT END "B"**

(a) Loosen the adjusting nut until the spring tension is free, and measure the protruding "B".

HINT:
At the time of installation, use the measurement for a reference, when installing the anchor arm.

(b) Remove the adjusting nut, 2 adjusting seats and bolt.
(c) Remove the anchor arm and torsion bar spring.



HINT:
At the time of installation, refer to the following items.
- There are distinguishable marks on the rear end of the torsion bar springs, as shown in the illustration. Be careful not to interchange them.
- Apply a light coat of MP grease to the spline of the torsion bar spring.

(d) Remove the 2 nuts and torque arm from the upper suspension arm.
Torque: 87 N·m (890 kgf·cm, 64 ft·lbf)

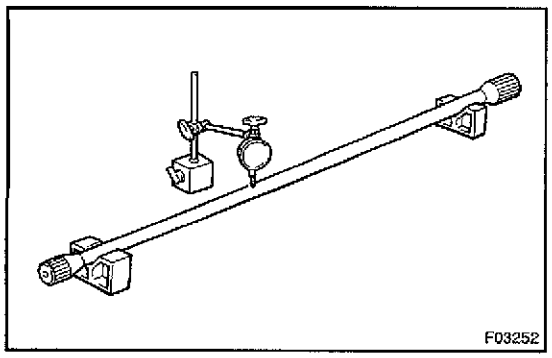
HINT:

When removing the 2 bolts, remove the upper suspension arm.

(e) Remove the dust cover from the torsion bar spring.

NOTICE:

Be careful not to damage the dust cover.



SA0MX-01

INSPECTION

INSPECT TORSION BAR SPRING RUNOUT

Using a dial indicator, check the runout of the torsion bar spring.

Maximum runout: 2.0 mm (0.079 in.)

SA0MY-01

INSTALLATION

Installation is in the reverse order of removal (See page SA–117).

AFTER INSTALLATION, CHECK FRONT WHEEL ALIGNMENT (See page SA–12)