FRONT UPPER SUSPENSION ARM (4WD and PRERUNNER)

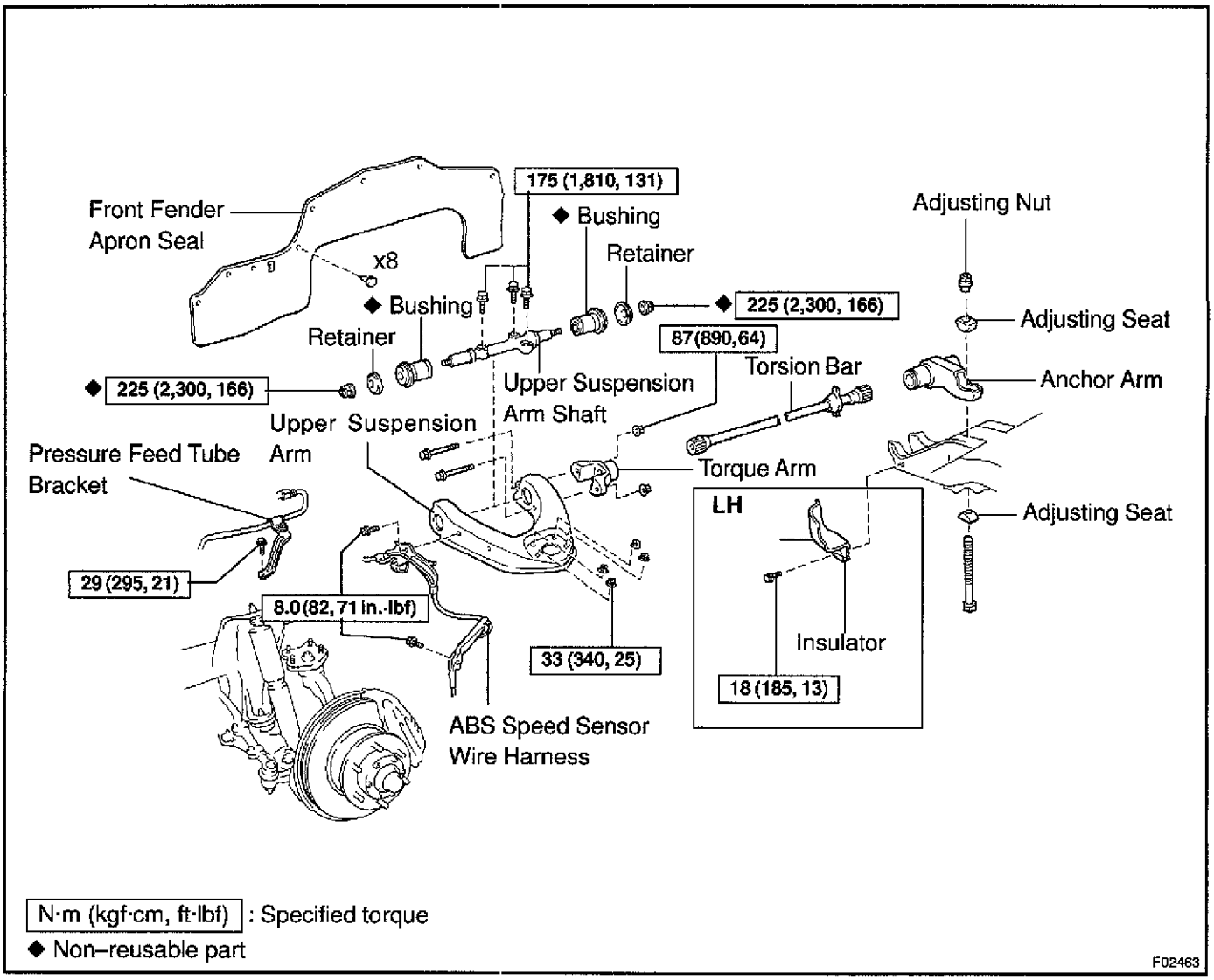
SAON8-01

COMPONENTS

HINT:

Prerunner is the model described below.

RZN193L–PRMDK, LN191L–PRMDS



N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non–reusable part

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SADN7-01

REMOVAL

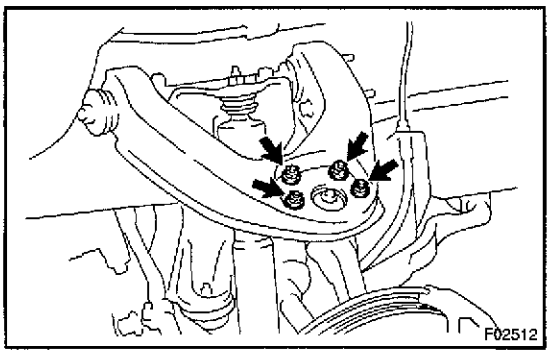
1. **REMOVE FRONT WHEEL**
   Torque: 105 N·m (1,050 kgf·cm, 76 ft·lbf)
2. **REMOVE FRONT FENDER APRON SEAL**
3. **w/ ABS:**
   DISCONNECT ABS SPEED SENSOR WIRE HARNESS CLAMPS FROM KNUCKLE ARM AND UPPER SUSPENSION ARM

(a) Remove the 2 bolts, and disconnect the ABS speed sensor wire harness clamp from the knuckle arm and upper suspension arm.
Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)

4. **REMOVE PRESSURE FEED TUBE BRACKET**

Remove the bolt and disconnect the pressure feed tube bracket from the frame.
Torque: 29 N·m (295 kgf·cm, 21 ft·lbf)

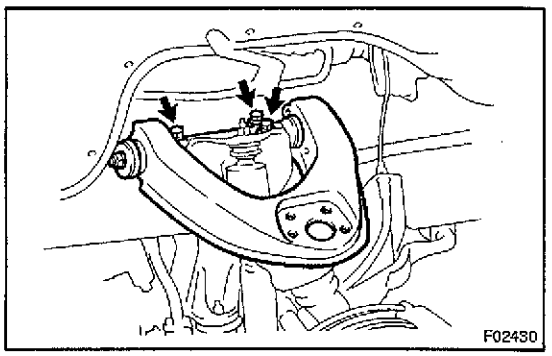
5. **REMOVE TORSION BAR SPRING (See page SA–117)**



6. **REMOVE UPPER BALL JOINT FROM UPPER SUSPENSION ARM**

NOTICE:
Make sure the steering knuckle is positively secured before removing upper ball joint from upper suspension arm.

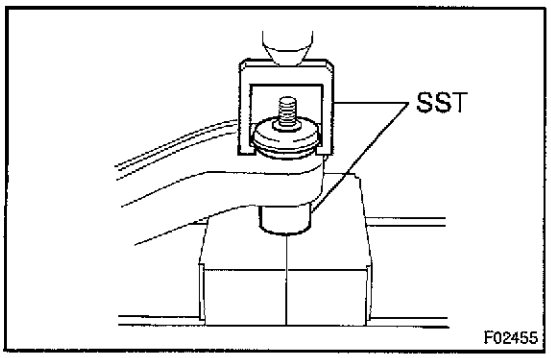
(a) Support the lower suspension arm with a jack.
(b) Remove the 4 nuts and disconnect the upper suspension arm from the steering knuckle.
Torque: 33 N·m (340 kgf·cm, 25 ft·lbf)



(c) Remove the 3 bolts and upper suspension arm from the frame.
Torque: 175 N·m (1,810 kgf·cm, 131 ft·lbf)
(d) Remove the 2 bolts of the toque arm.

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REPLACEMENT

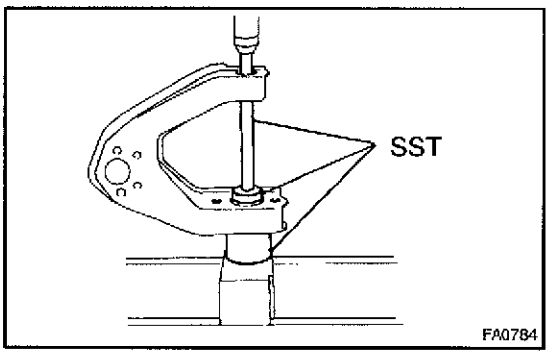


1. REMOVE FRONT BUSHING

(a) Using a chisel and hammer, loosen the staked part of the nut and remove the 2 nuts and retainers.

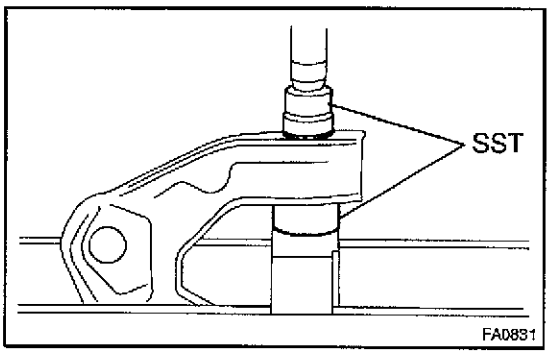
(b) Using SST and press, remove the front bushing.
SST 09710–26011 (09710–05041, 09710–05051)

2. REMOVE UPPER SUSPENSION ARM SHAFT



3. REMOVE REAR BUSHING

Using SST and press, remove the rear bushing.
SST 09710–26011 (09710–05081),
09950–60010 (09951–00530),
09950–70010 (09951–07200)

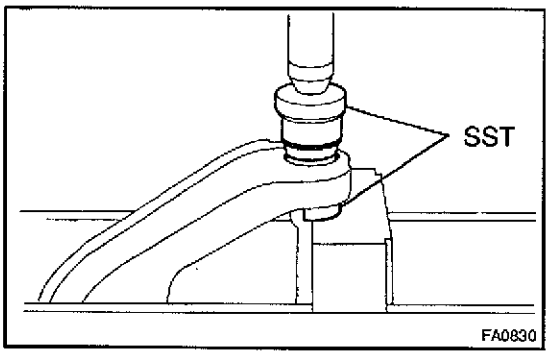


4. INSTALL REAR BUSHING

(a) Using SST and press, install a new rear bushing.
SST 09710–26011 (09710–05061, 09710–05081)

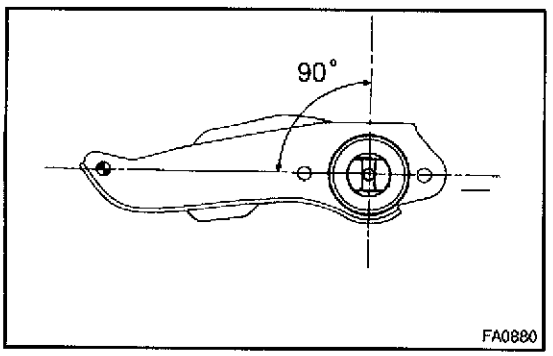
HINT:
Do not apply grease or oil to the bushing.

(b) Install the upper suspension arm shaft.



5. INSTALL FRONT BUSHING

Using SST and press, install a new front bushing.
SST 09710–26011 (09710–05061, 09710–05081)



6. TORQUE UPPER SUSPENSION ARM SHAFT

(a) Install the 2 retainers and new nuts.

HINT:
Position the upper suspension arm shaft so that the frame installation surface is level with the suspension shaft arm.

(b) Torque the suspension arm shaft nuts.
Torque: 225 N·m (2,300 kgf·cm, 166 ft·lbf)

(c) Stake the nuts with a chisel and hammer.

SA0N9-01

INSTALLATION

Installation is in the reverse order of removal (See page SA–130).
AFTER INSTALLATION, CHECK FRONT WHEEL ALIGNMENT (See page SA–12)