

STABILIZER BAR FRONT (FF)

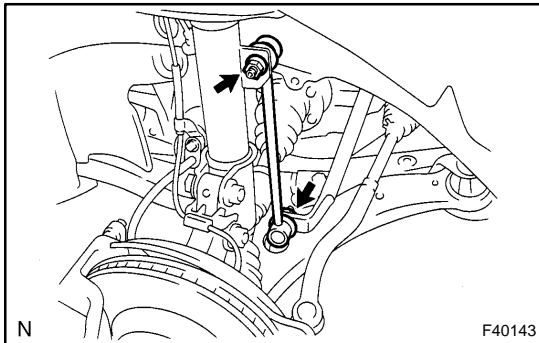
REPLACEMENT

260HC-04

HINT:

- COMPONENTS: See page 26-3 .
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT WHEEL



2. REMOVE FRONT STABILIZER LINK ASSY LH

- (a) Remove the 2 nuts and the front stabilizer link assy LH.

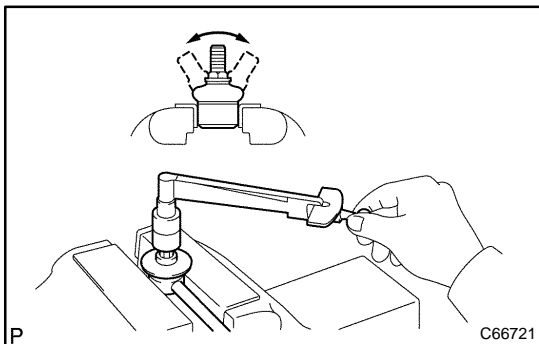
HINT:

If the ball joint turns together with the nut, use a hexagon wrench (6 mm) to hold the stud.

3. REMOVE FRONT STABILIZER LINK ASSY RH

HINT:

Remove the RH side by following the same procedures as with the LH side.



4. INSPECT FRONT STABILIZER LINK ASSY LH

- (a) As shown in the illustration, flip the ball joint stud back and forth 5 times .
- (b) Using a torque wrench and nut, turn the nut continuously at a rate of 2 to 4 seconds per turn and take the torque reading on the 5th turn.

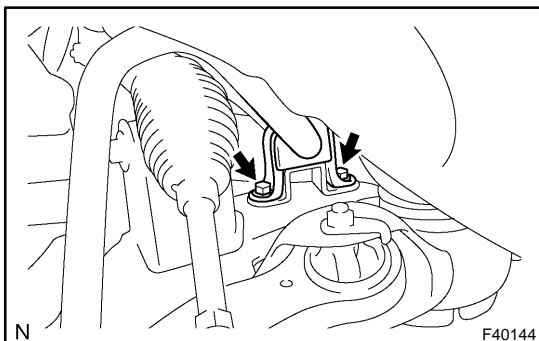
Turning torque:

0.05 to 1.96 N·m (0.5 to 20 kgf·cm, 0.4 to 17.4 in.-lbf)

If the value is not within the specification, replace the front stabilizer link assy LH with a new one.

5. REMOVE FRONT STABILIZER BRACKET NO.1 LH

- (a) Remove the 2 bolts and the front stabilizer bracket No. 1 LH.



6. REMOVE FRONT STABILIZER BRACKET NO.1 RH

HINT:

Remove the RH side by following the same procedures as with the LH side.

7. REMOVE FRONT STABILIZER BRACKET NO.2 LH

- (a) Remove the front stabilizer bracket No. 2 LH from the stabilizer bar bush.

2005 HIGHLANDER REPAIR MANUAL (RM1144U)

8. REMOVE FRONT STABILIZER BRACKET NO.2 RH

HINT:

Remove the RH side following the same procedures as with as the LH side.

9. DISCONNECT TIE ROD END SUB-ASSY LH (SEE PAGE 30-21)

SST 09628-6201 1

10. DISCONNECT TIE ROD END SUB-ASSY RH

SST 09628-6201 1

HINT:

Disconnect the RH side following the same procedures as with the LH side.

11. SEPARATE STEERING INTERMEDIATE SHAFT SUB-ASSY (SEE PAGE 51-28)**12. DISCONNECT STEERING GEAR OUTLET RETURN TUBE (SEE PAGE 51-28)**

SST 09023-12701

13. DISCONNECT PRESSURE FEED TUBE ASSY (SEE PAGE 51-28)

SST 09023-12701

14. REMOVE POWER STEERING LINK ASSY (SEE PAGE 51-28)**15. REMOVE FRONT STABILIZER BAR BUSH NO.1**

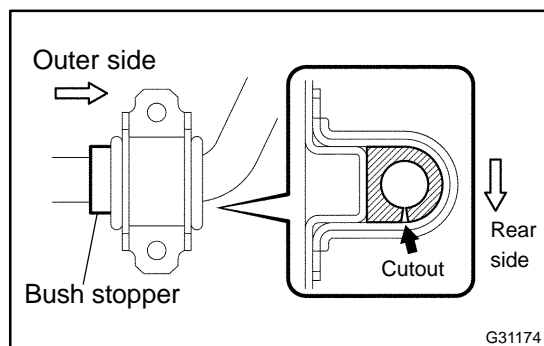
(a) Remove the 2 bushes from the stabilizer.

16. REMOVE STABILIZER BAR FRONT

(a) Remove the stabilizer bar front from the vehicle.

17. INSTALL STABILIZER BAR FRONT

(a) Install the stabilizer bar front to the vehicle.

**18. INSTALL FRONT STABILIZER BAR BUSH NO.1**

HINT:

- Install the bush to the outer side of the bush stopper on the stabilizer bar.
- Place the cutout of the stabilizer bush facing the rear side as shown in the illustration.

19. INSTALL POWER STEERING LINK ASSY (SEE PAGE 51-28)**20. INSTALL PRESSURE FEED TUBE ASSY (SEE PAGE 51-28)**

SST 09023-12701

21. INSTALL STEERING GEAR OUTLET RETURN TUBE (SEE PAGE 51-28)

SST 09023-12701

22. CONNECT STEERING INTERMEDIATE SHAFT SUB-ASSY (SEE PAGE 51-28)**23. INSTALL TIE ROD END SUB-ASSY LH (SEE PAGE 30-21)****24. INSTALL TIE ROD END SUB-ASSY RH**

HINT:

Install the RH side following the same procedures as with the LH side.

25. INSTALL FRONT STABILIZER BRACKET NO.2 LH

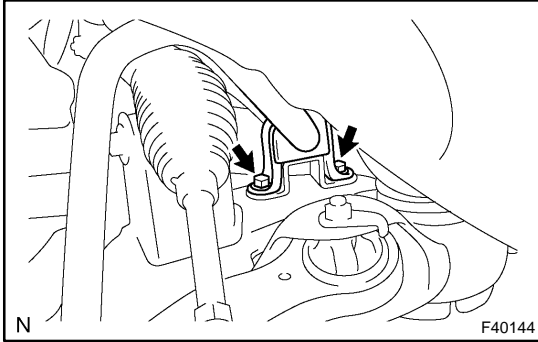
(a) Install the front stabilizer bracket No. 2 to the stabilizer bar bush No.1.

26. INSTALL FRONT STABILIZER BRACKET NO.2 RH

HINT:

Install the RH side following the same procedure as with the LH side.

2005 HIGHLANDER REPAIR MANUAL (RM1144U)

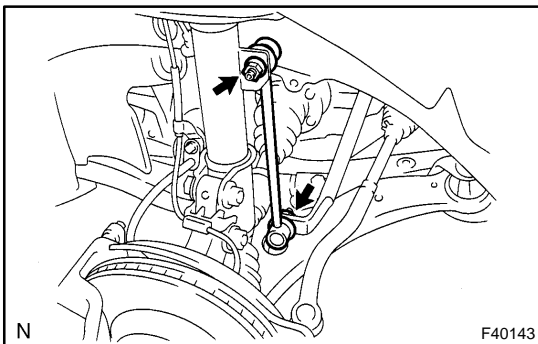
**27. INSTALL FRONT STABILIZER BRACKET NO.1 LH**

- (a) Install the front stabilizer bracket No. 1 LH with the 2 bolts.
Torque: 16 N·m (163 kgf·cm, 12 ft·lbf)

28. INSTALL FRONT STABILIZER BRACKET NO.1 RH

HINT:

Install the RH side following the same procedures as with the LH side.

**29. INSTALL FRONT STABILIZER LINK ASSY LH**

- (a) Install the front stabilizer link assy LH with the 2 nuts.
Torque: 74 N·m (755 kgf·cm, 55 ft·lbf)

HINT:

If the ball joint turns together with the nut, use a hexagon wrench (6 mm) to hold the stud.

30. INSTALL FRONT STABILIZER LINK ASSY RH

HINT:

Install the RH side following the same procedures as with the LH side.

31. INSTALL FRONT WHEEL

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

32. BLEED POWER STEERING FLUID (SEE PAGE 51-3)**33. CHECK POWER STEERING FLUID LEAKAGE****34. INSPECT AND ADJUST STEERING WHEEL CENTER POINT****35. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT (SEE PAGE 26-7)**