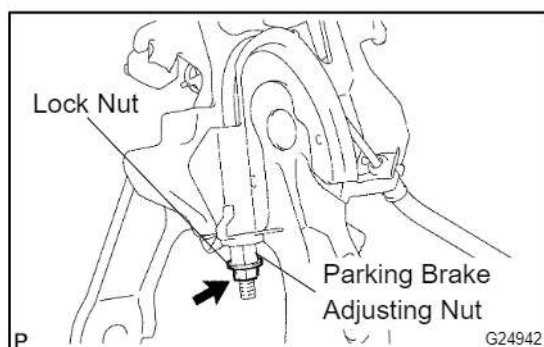


ADJUSTMENT

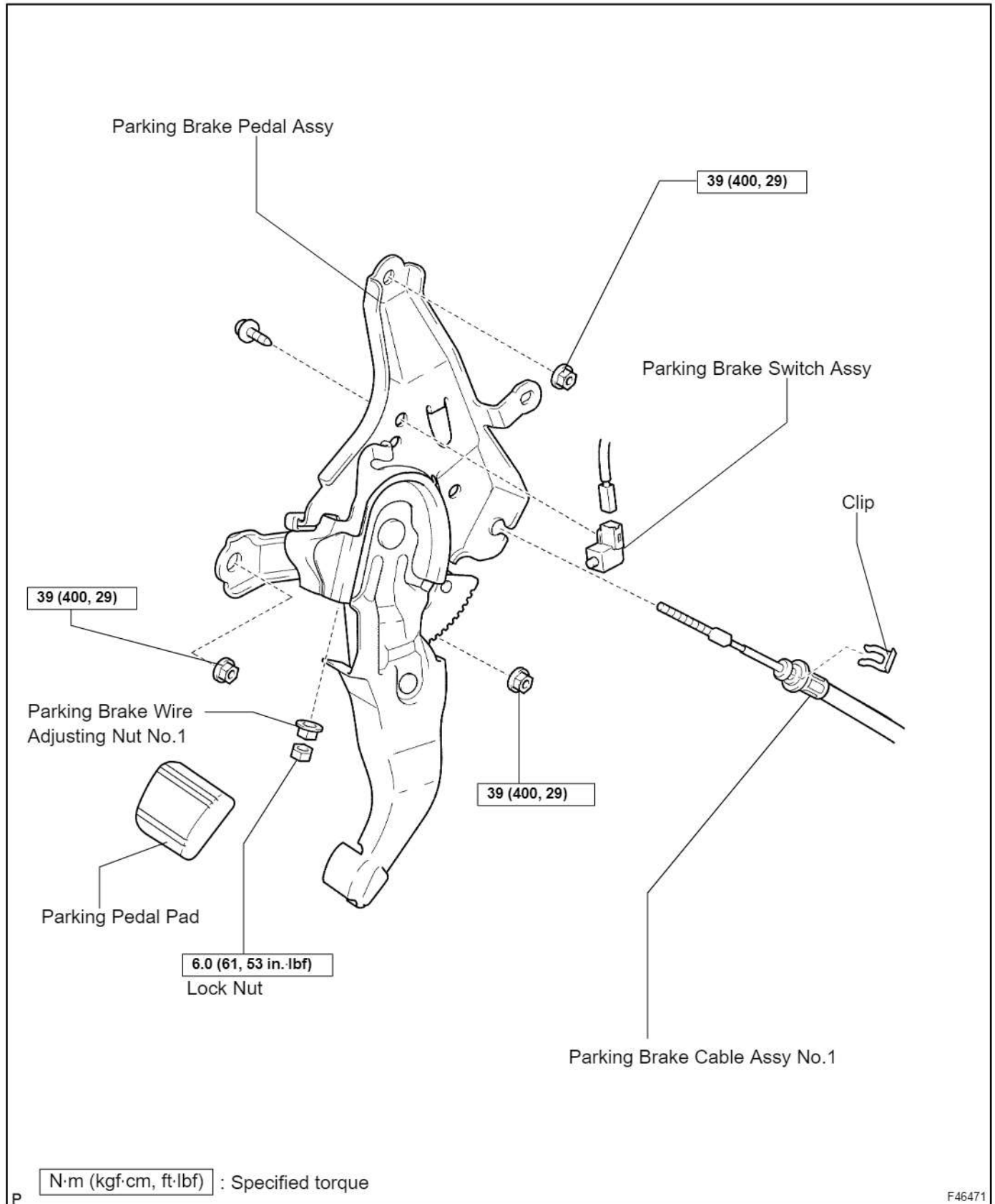
1. REMOVE REAR WHEEL
2. ADJUST PARKING BRAKE SHOE CLEARANCE (SEE PAGE 33-19)
3. INSTALL REAR WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
4. INSPECT PARKING BRAKE PEDAL TRAVEL
 - (a) Strongly step on the parking brake pedal.
 - (b) Release the parking brake.
 - (c) Once more, slowly depress the parking brake pedal all the way, and count the number of clicks.
Parking brake pedal travel: 5 to 7 clicks at 300 N (31 kgf, 67.46 lbf)

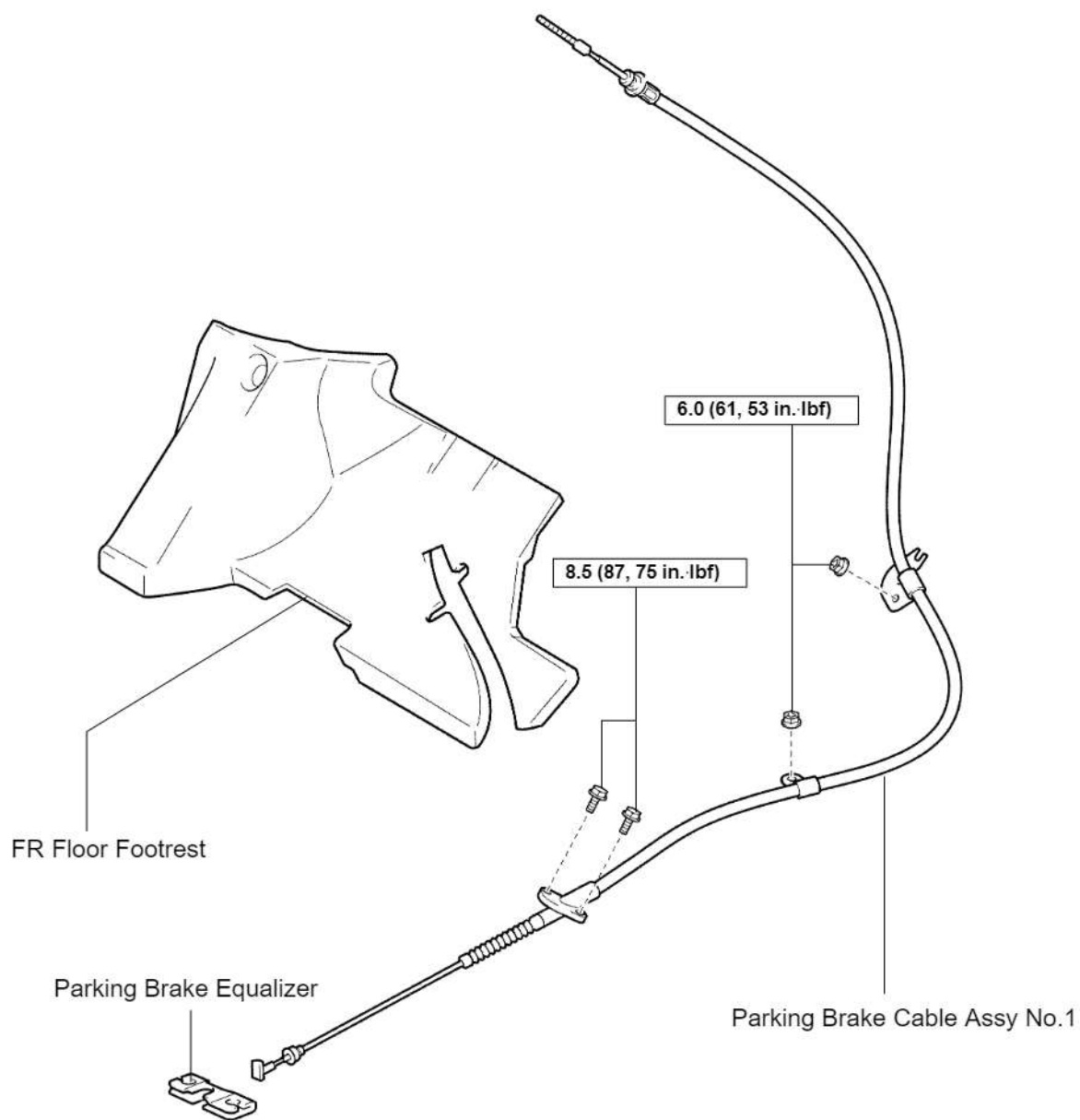


5. ADJUST PARKING BRAKE PEDAL TRAVEL
 - (a) Remove the instrument panel finish panel sub-assy lower.(see page 71-10)
 - (b) Remove the instrument PNL insert sub-assy LWR LH.(see page 71-10)
 - (c) Depress the parking brake pedal 5 clicks to make room for the procedure, and loosen the lock nut with fixing adjusting nut by wrench.
 - (d) Release the parking brake pedal to the original position.
 - (e) Turn the parking brake wire adjusting nut until the parking brake pedal travel is correct.
 - (f) Using a spanner or equivalent to hold the parking brake adjusting nut, tighten the lock nut.
Torque: 6.0 N·m (61 kgf·cm, 53 in·lbf)
 - (g) Count the number of clicks after depressing and canceling the parking brake pedal 3 to 4 times.
 - (h) Check whether the parking brake drags or not.
 - (i) When operating the parking brake pedal, check that the parking brake pedal indicator light is lit.

PARKING BRAKE CONTROL PEDAL ASSY COMPONENTS

330CL-04



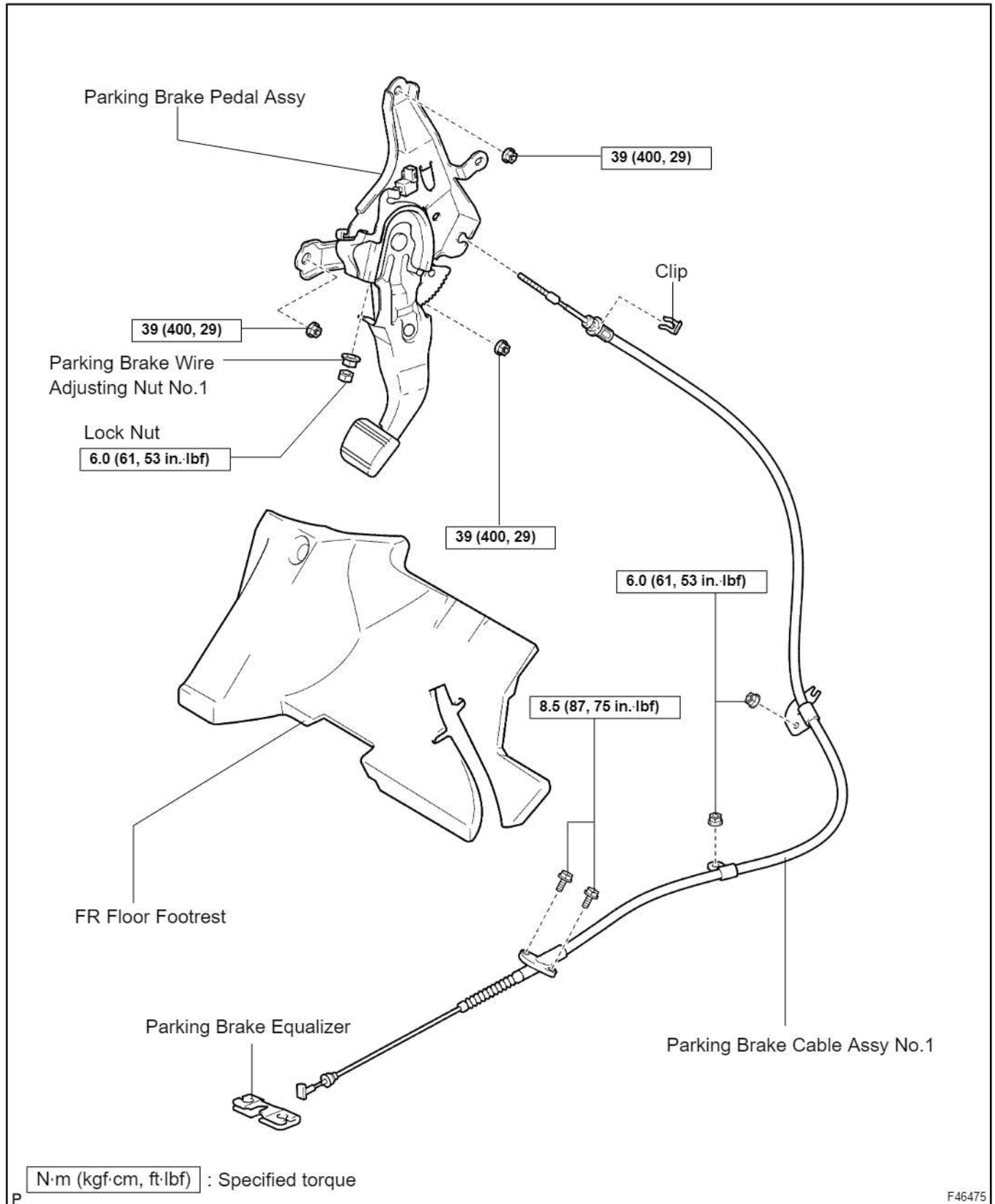


N·m (kgf·cm, ft·lbf) : Specified torque

F45547

PARKING BRAKE CABLE ASSY NO.1 COMPONENTS

330CN-04

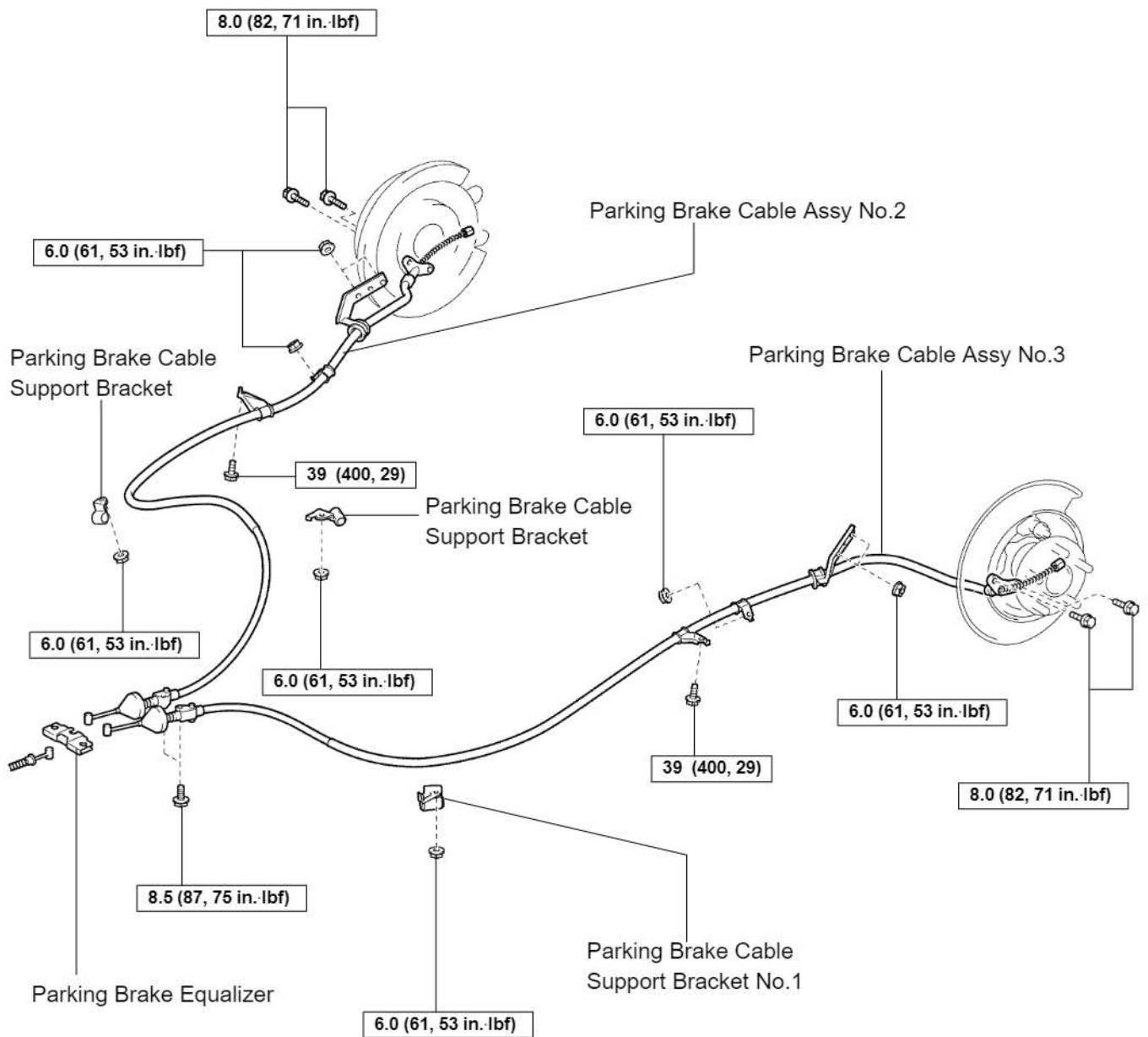


F46475

PARKING BRAKE CABLE ASSY NO.3 COMPONENTS

330CP-04

FF:

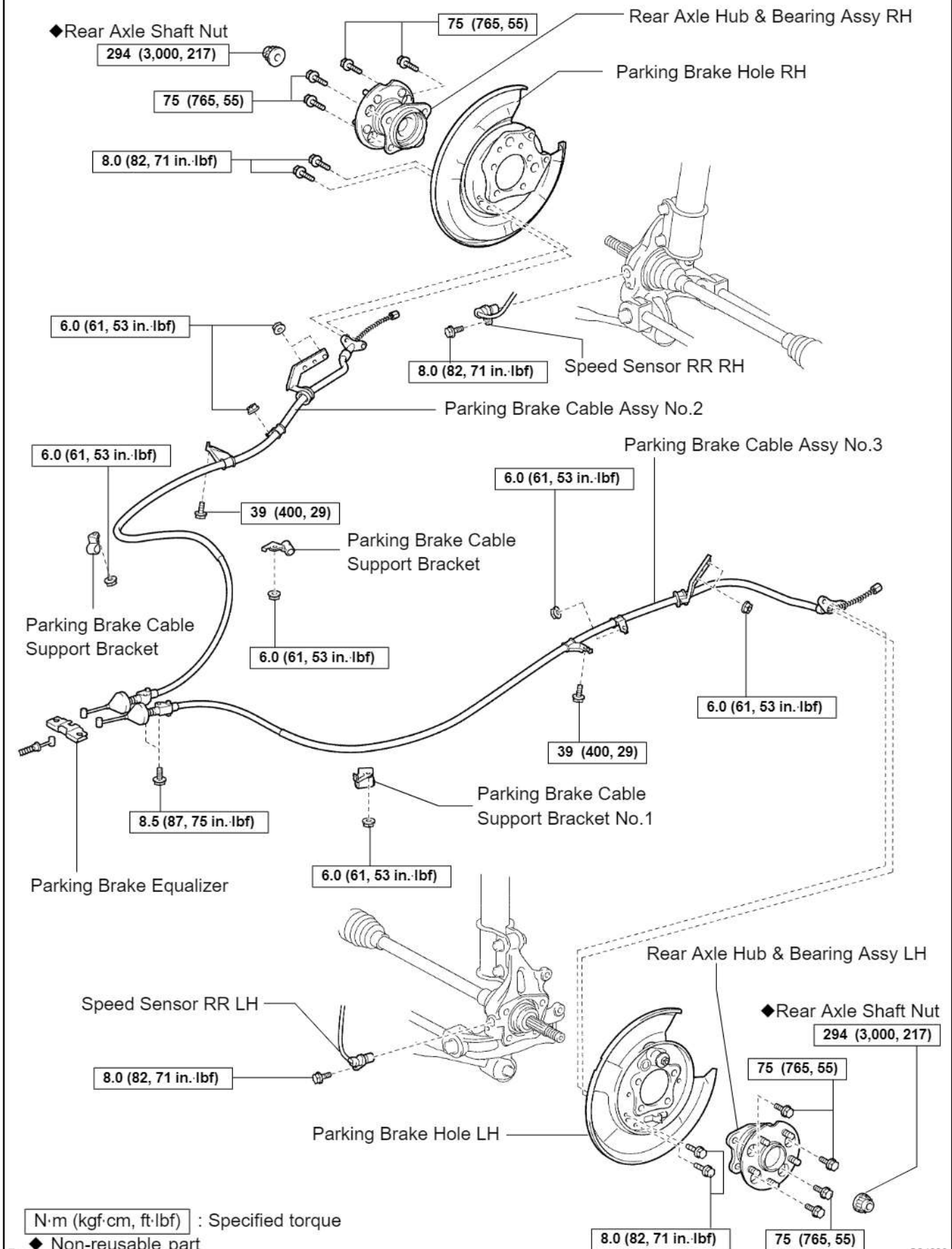


N·m (kgf·cm, ft·lbf) : Specified torque

P

G24937

4WD:



G24939

330CR-03

F47274

PARKING BRAKE SYSTEM

330CH-04

PROBLEM SYMPTOMS TABLE

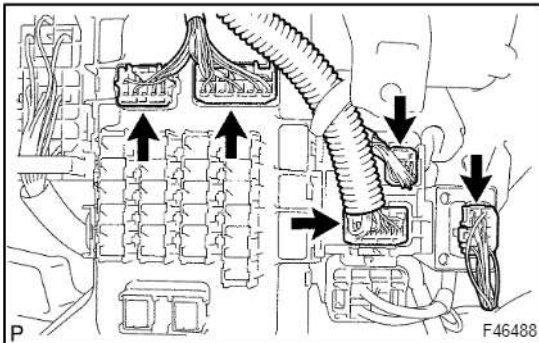
Use the table below to help find the cause of the problem. The numbers indicate the priority of the likely cause of the problem. Check each part in order. If necessary, replace these parts.

Symptom	Suspect Area	See page
Brake drag	1. Parking brake pedal travel (Out of adjustment)	33-2
	2. Parking brake wire (Sticking)	33-10
		33-14
	3. Parking brake shoe clearance (Out of adjustment)	33-19
	4. Parking brake shoe lining (Cracked or distorted)	33-19
	5. Tension or return spring (Damaged)	33-19

OVERHAUL

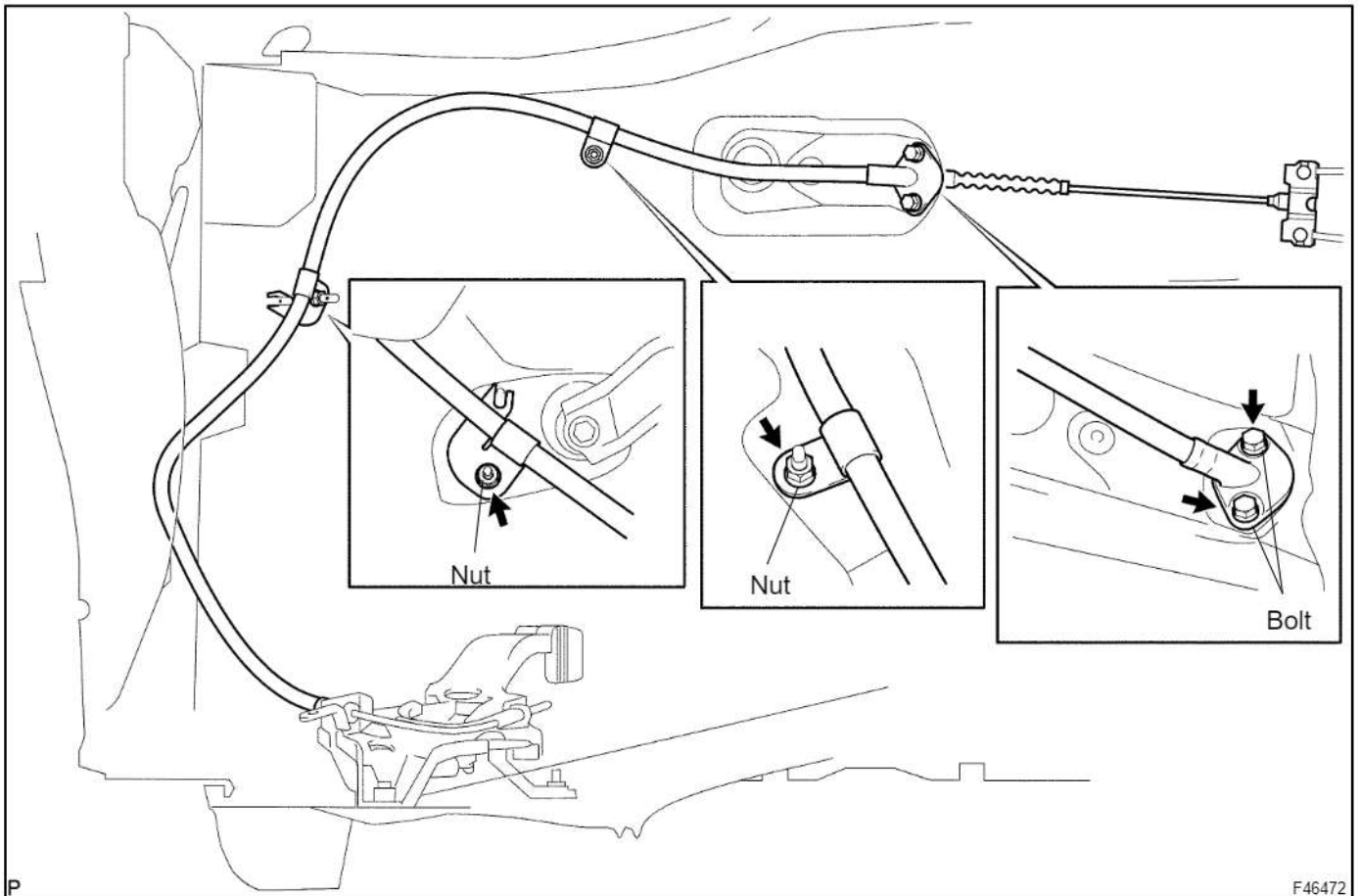
1. PRECAUTION (W/ SIDE AIRBAG) (SEE PAGE 60-1)
2. DISCONNECT BATTERY NEGATIVE TERMINAL (SEE PAGE 60-1)
3. REMOVE INSTRUMENT PANEL FINISH PANEL SUB-ASSY LOWER (SEE PAGE 71-10)
4. REMOVE INSTRUMENT PNL INSERT SUB-ASSY LWR LH (SEE PAGE 71-10)
5. REMOVE INSTRUMENT CLUSTER FINISH PANEL ASSY CENTER (SEE PAGE 71-10)
6. REMOVE FLOOR CARPET COVER CENTER RH (SEE PAGE 71-10)
7. REMOVE FLOOR CARPET COVER CENTER LH (SEE PAGE 71-10)
8. REMOVE FRONT SEAT ASSEMBLY RH
9. REMOVE FRONT SEAT ASSEMBLY LH (SEE PAGE 72-11, 72-19)
10. REMOVE CONSOLE BOX ASSY (SEE PAGE 71-10)
11. DISCONNECT TURN SIGNAL FLASHER ASSY
12. REMOVE FR FLOOR FOOTREST

(a) Remove the front floor footrest from the floor.

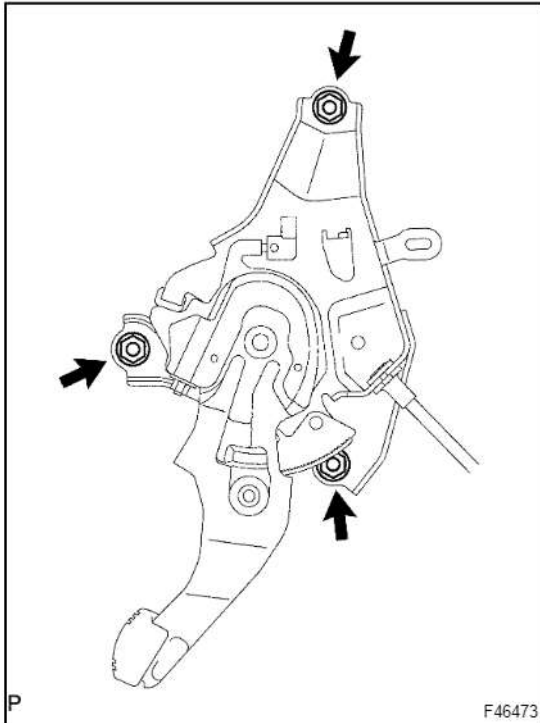


13. REMOVE PARKING BRAKE CONTROL PEDAL ASSY

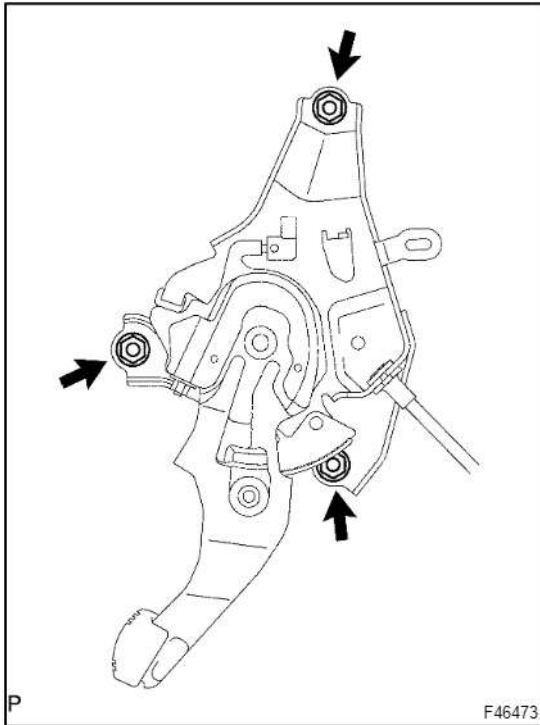
- (a) Disconnect the connectors.
- (b) Remove the 2 nuts.
- (c) Separate the instrument panel junction block assy.
- (d) Release the parking brake pedal to the original position.
- (e) Remove the 2 bolts and nuts, and separate the parking brake cable assy No.1 from the floor.



- (f) Remove the parking brake cable assy No.1 from the parking brake equalizer.
- (g) Disconnect the parking brake switch connector.
- (h) Remove the 3 nuts and separate the instrument panel junction block assy w/ bracket from the body.
- (i) Remove the 3 nuts and parking brake control pedal assy.



- 14. REMOVE PARKING BRAKE CABLE ASSY NO.1 (SEE PAGE 33-10)**
- 15. REMOVE PARKING BRAKE SWITCH ASSY**
 - (a) Remove the screw and parking brake switch assy.
- 16. REMOVE PARKING PEDAL PAD**
 - (a) Remove the parking pedal pad.
- 17. INSTALL PARKING PEDAL PAD**
 - (a) Install the parking pedal pad.
- 18. INSTALL PARKING BRAKE SWITCH ASSY**
 - (a) Install the parking brake switch assy with the screw.
- 19. INSTALL PARKING BRAKE CABLE ASSY NO.1 (SEE PAGE 33-10)**



20. INSTALL PARKING BRAKE CONTROL PEDAL ASSY

- (a) Install the parking brake control pedal assy with the 3 nuts.

Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

- (b) Connect the parking brake switch connector.
 (c) Connect the instrument panel junction block assy w/ bracket with the 3 nuts.

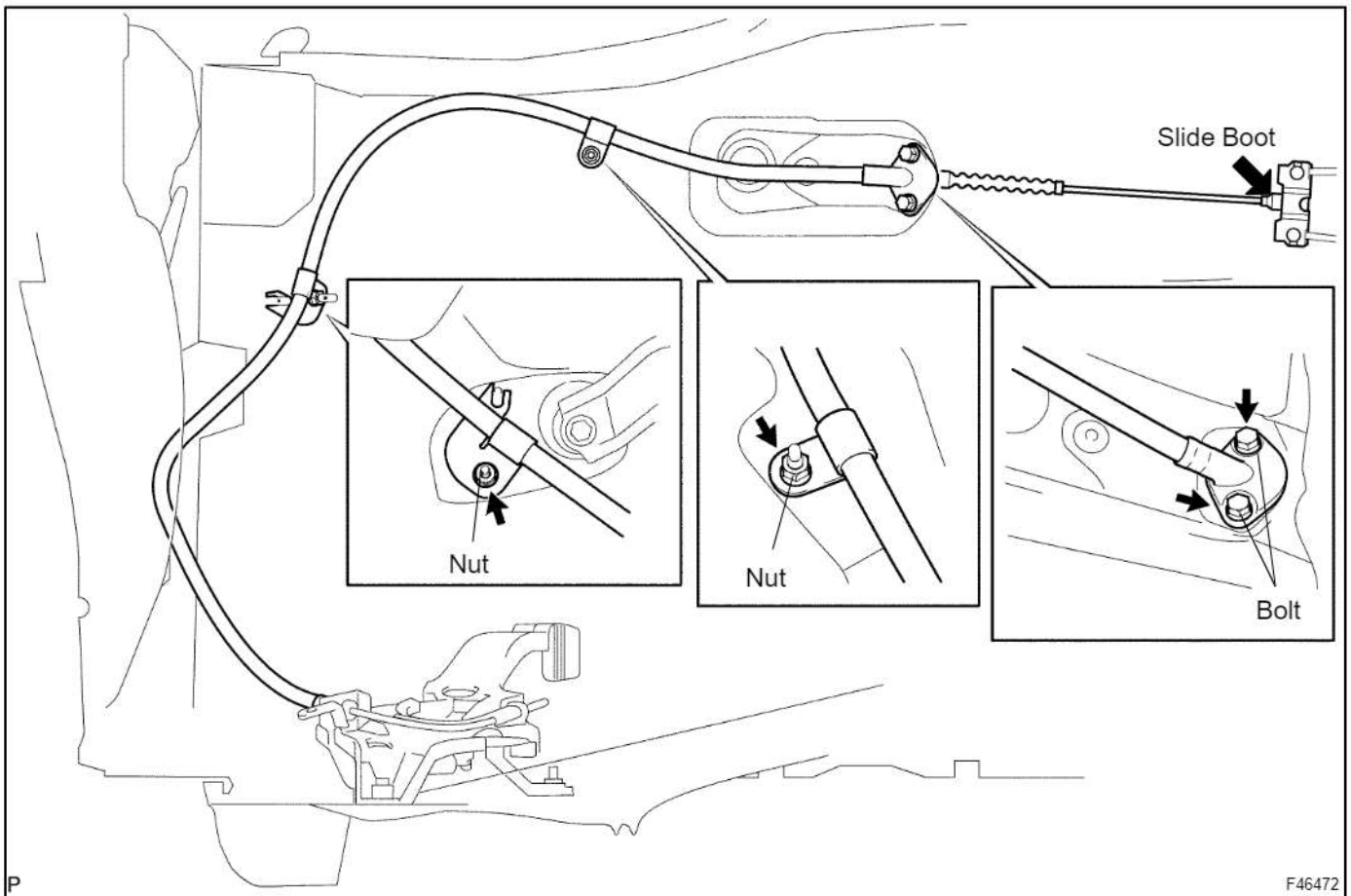
- (d) Attach the parking brake cable assy No.1 to the parking brake equalizer and slide boot stopper of No.1 cable should be inserted into groove of T-Metal fitting.

- (e) Install the parking brake cable assy No.1 with the 2 bolts and 2 nuts.

Torque:

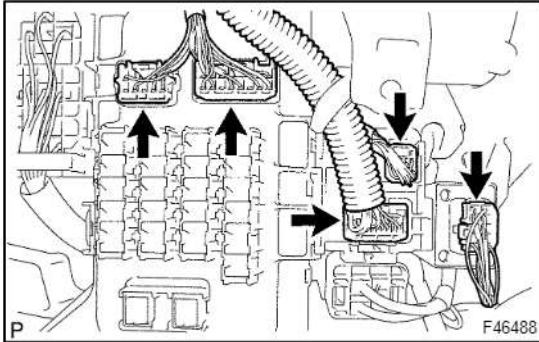
Bolt: 8.5 N·m (87 kgf·cm, 75 in·lbf)

Nut: 6.0 N·m (61 kgf·cm, 53 in·lbf)



- (f) Install the instrument panel junction block assy with the 2 nuts.

Torque: 7.3 N·m (74 kgf·cm, 65 in·lbf)



- (g) Connect the connectors.

21. INSTALL FR FLOOR FOOTREST

- (a) Install the front floor footrest on the floor.

22. INSTALL FRONT SEAT ASSEMBLY RH

23. INSTALL FRONT SEAT ASSEMBLY LH (SEE PAGE 72-11, 72-19)

24. REMOVE REAR WHEEL

25. ADJUST PARKING BRAKE SHOE CLEARANCE (SEE PAGE 33-19)

26. INSTALL REAR WHEEL

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

27. INSPECT PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)

28. ADJUST PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)

29. CONNECT BATTERY NEGATIVE TERMINAL

30. INSPECT SRS WARNING LIGHT (W/ SIDE AIRBAG) (SEE PAGE 05-1207)

OVERHAUL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

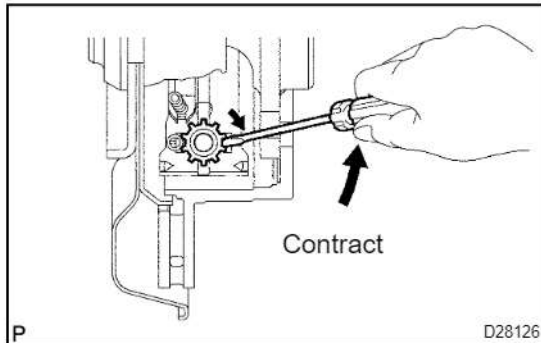
1. REMOVE REAR WHEEL

2. SEPARATE REAR DISC BRAKE CALIPER ASSY LH

- (a) Remove the 2 bolts and separate the rear disc brake caliper assy LH.

HINT:

Do not disconnect the flexible hose from the disc brake caliper assy LH.

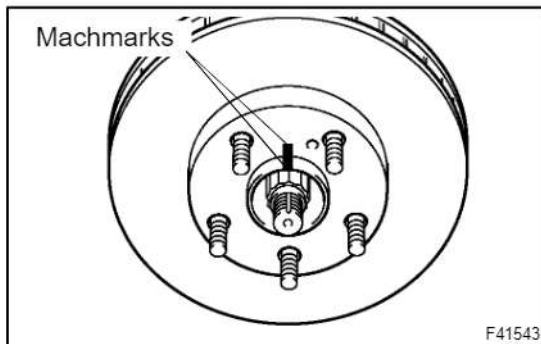


3. REMOVE REAR DISC

- (a) Release the parking brake, and remove the rear disc.

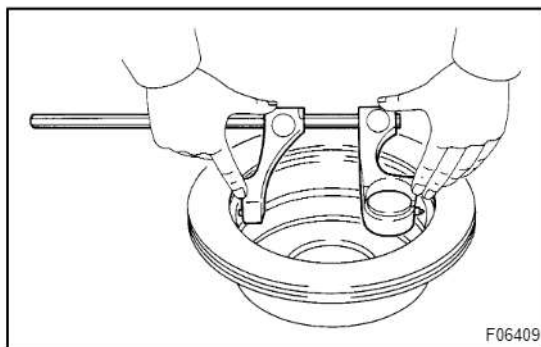
HINT:

If the disc cannot be removed easily, turn the shoe adjuster until the wheel turns freely.



- (b) Place machmarks on the rear disc and the axle hub.

- (c) Remove the rear disc.



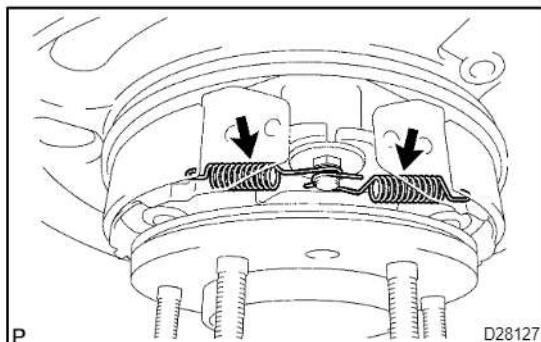
4. INSPECT BRAKE DISC INSIDE DIAMETER

- (a) Using a brake drum gauge or equivalent tool, measure the inside diameter of the rear disc.

Standard inside diameter: 190 mm (7.480 in.)

Maximum inside diameter: 191 mm (7.520 in.)

If the inside diameter exceeds the maximum, replace the brake disc.

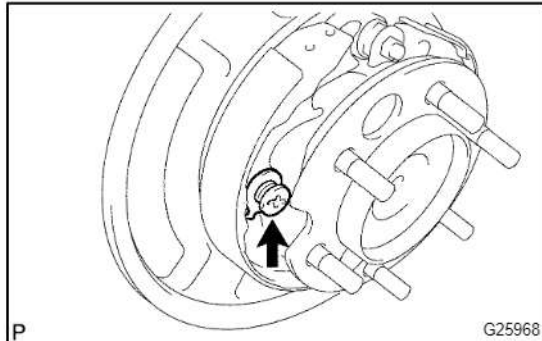


5. REMOVE PARKING BRAKE SHOE RETURN TENSION SPRING

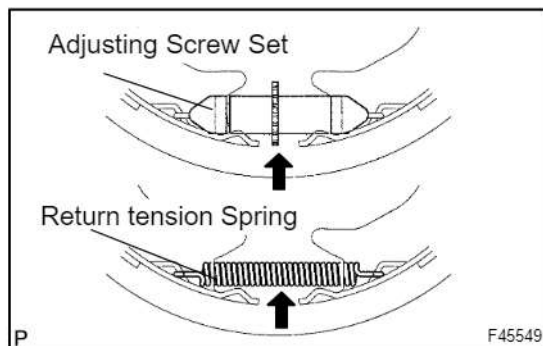
- (a) Using needle-nose pliers, remove the 2 parking brake shoe return tension springs No.1.

6. REMOVE PARKING BRAKE SHOE STRUT LH

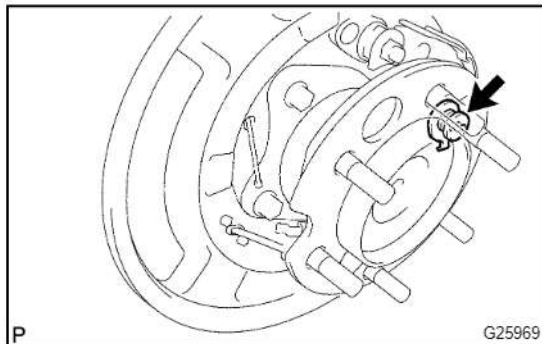
- (a) Remove the parking brake shoe strut LH and the parking brake shoe strut compression spring.

**7. REMOVE PARKING BRAKE SHOE ASSY LH NO.1**

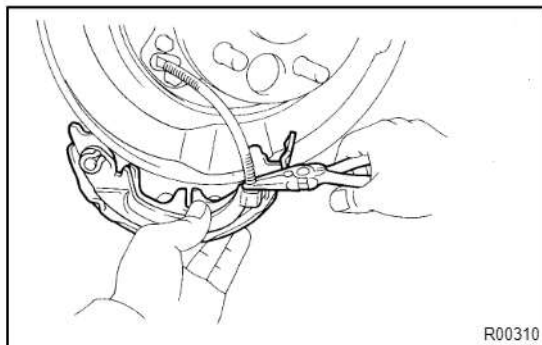
- (a) Remove the parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring and parking brake shoe hold down spring cup No.2.
- (b) FF:
Remove the parking brake shoe hold down spring pin No.1.
- (c) Disconnect the parking brake shoe return spring No.2 and remove the parking brake shoe assy LH No.1.

**8. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET**

- (a) Remove the parking brake shoe adjusting screw set.
- (b) Remove the parking brake shoe return tension spring No.2.

**9. REMOVE PARKING BRAKE SHOE ASSY LH NO.2**

- (a) Remove the parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring, parking brake shoe hold down spring cup No.2 and parking brake shoe hold down spring pin No.2.
- (b) Remove the parking brake shoe assy LH No.2.



- (c) Using needle-nose pliers, disconnect the parking brake cable No.3 from the parking brake cable shoe lever.

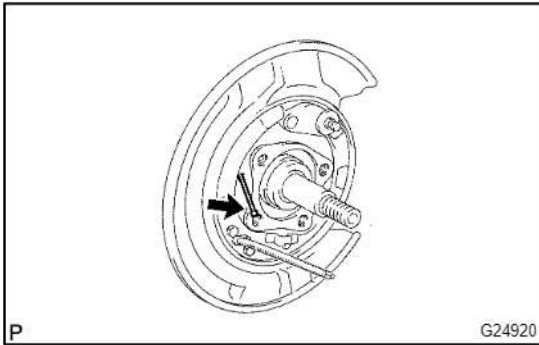
NOTICE:

Be careful not to damage parking brake cable No.3.

10. SEPARATE SPEED SENSOR REAR LH (4WD DRIVE TYPE) (SEE PAGE 30-60)**11. REMOVE REAR AXLE SHAFT LH NUT (4WD DRIVE TYPE) (SEE PAGE 30-60)**

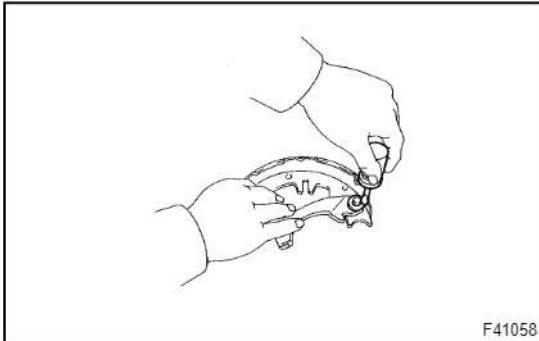
SST 09930-00010

12. REMOVE REAR AXLE HUB & BEARING ASSY LH (4WD DRIVE TYPE) (SEE PAGE 30-60)



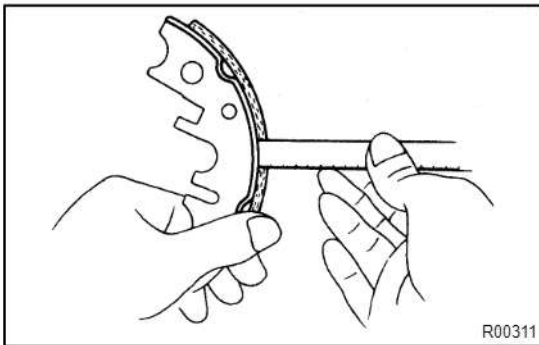
13. REMOVE PARKING BRAKE SHOE HOLD DOWN SPRING PIN (4WD DRIVE TYPE)

- (a) Remove the parking brake shoe hold down spring pin No.1.



14. REMOVE PARKING BRAKE SHOE TYPE C WASHER

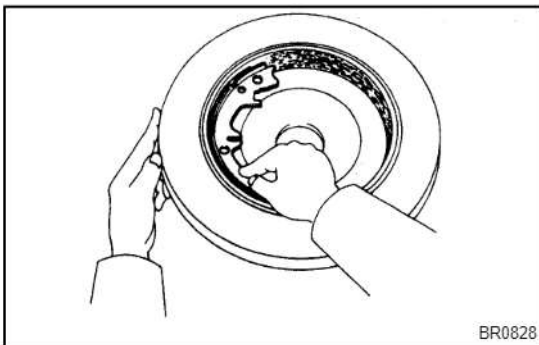
- (a) Using a screwdriver, remove the C-washer.
 (b) Remove the shim and parking brake shoe lever from parking brake shoe assy LH No.2.



15. INSPECT PARKING BRAKE SHOE LINING THICKNESS

- (a) Using a ruler, measure the thickness of the shoe lining.
Standard thickness: 2.5 mm (0.098 in.)
Minimum thickness: 1.0 mm (0.039 in.)

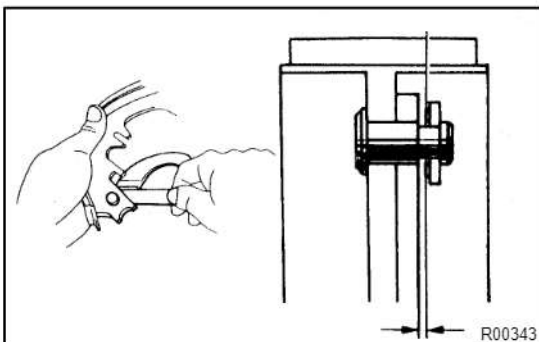
If the lining thickness is less than or equal to the minimum, or if there is severe or uneven wear, replace the brake shoe.



16. INSPECT BRAKE DISC AND PARKING BRAKE SHOE LINING FOR PROPER CONTACT

- (a) Apply chalk to the inside surface of the disc, then grind down the brake shoe lining to fit disc.

If the contact between the brake disc and the shoe lining is improper, repair it using a brake shoe grinder or replace the brake shoe assembly.

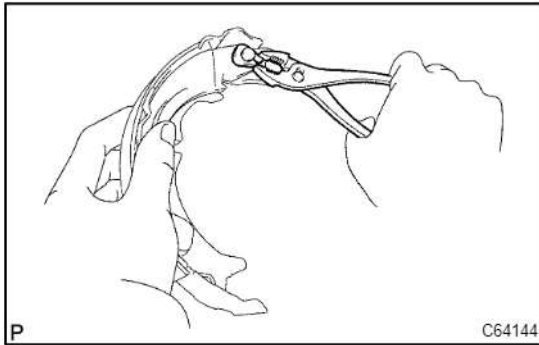


17. INSTALL PARKING BRAKE SHOE TYPE C WASHER

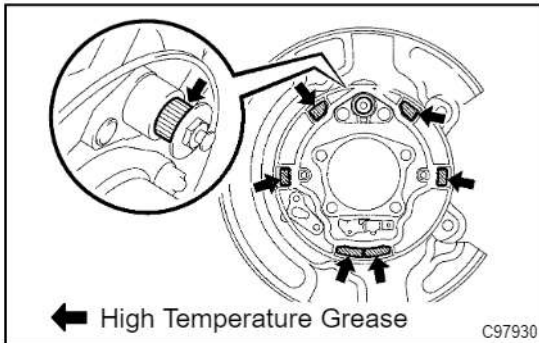
- (a) Using a feeler gauge, measure the clearance.
Standard clearance: Less than 0.35 mm (0.014 in.)

If the clearance is not within the specifications, replace the shim with one of the correct size.

Shim Thickness	Shim Thickness
0.3 mm (0.012 in.)	0.9 mm (0.035 in.)
0.6 mm (0.024 in.)	-

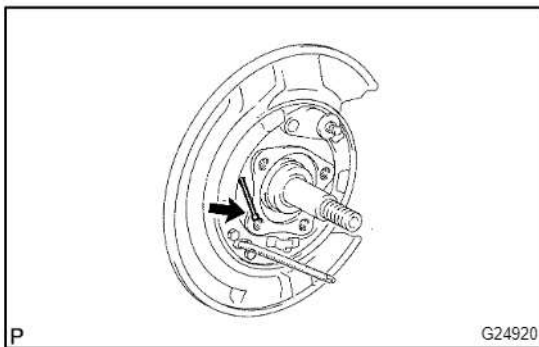


- (b) Using pliers, install the parking brake shoe lever LH and the shim with a new C-washer.



18. APPLY HIGH TEMPERATURE GREASE

- (a) Apply high temperature grease to the shaded parts shown in the illustration of the backing plate which make contact with the shoe.



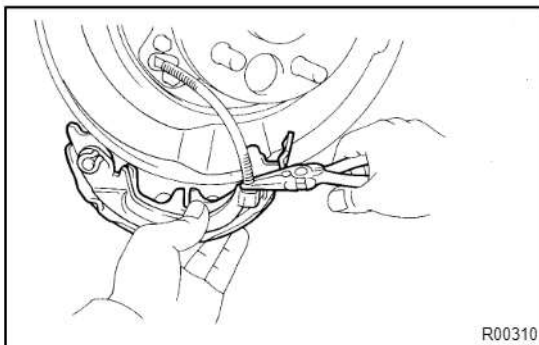
19. INSTALL PARKING BRAKE SHOE HOLD DOWN SPRING PIN (4WD DRIVE TYPE)

- (a) Install the parking brake shoe hold down spring pin No.1.

20. INSTALL REAR AXLE HUB & BEARING ASSY LH (4WD DRIVE TYPE) (SEE PAGE 30-60)

21. INSTALL REAR AXLE SHAFT LH NUT (4WD DRIVE TYPE) (SEE PAGE 30-60)

22. INSTALL SPEED SENSOR REAR LH (4WD DRIVE TYPE) (SEE PAGE 30-60)

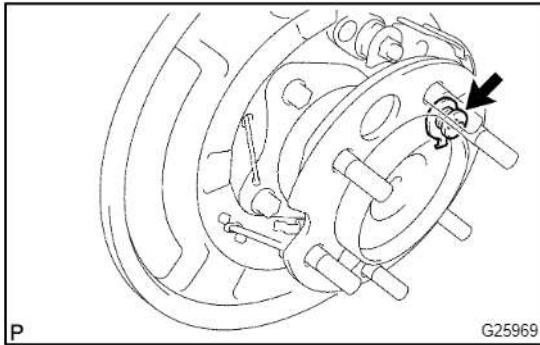


23. INSTALL PARKING BRAKE SHOE ASSY LH NO.2

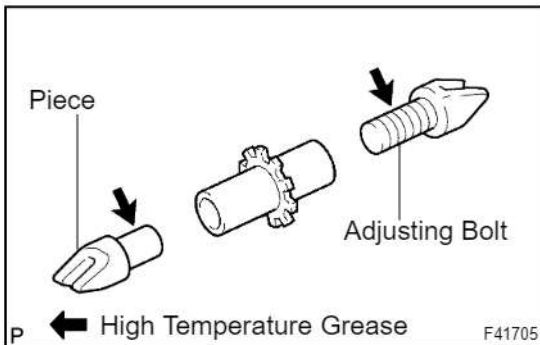
- (a) Using needle-nose pliers, connect the parking brake cable No.3 to the parking brake cable shoe lever.

NOTICE:

Be careful not to damage the parking brake cable No.3.

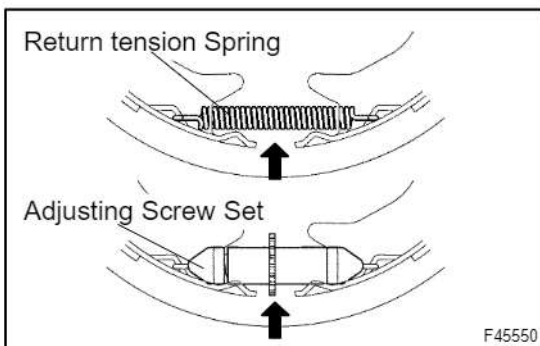


- (b) Install the parking brake shoe assy LH No.2 with the parking brake shoe hold down spring, parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring cup No.2 and parking brake shoe hold down spring pin No.2.

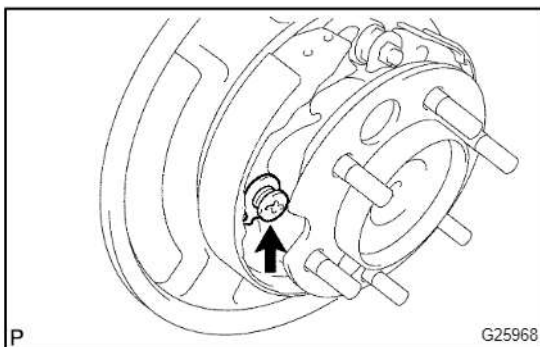


24. INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET

- (a) Apply high temperature grease to the parking brake shoe adjusting bolt and piece.



- (b) Attach the parking brake shoe return tension spring No.2 to parking brake shoe assy LH No.1 and parking brake shoe assy LH No.2.
(c) Attach the parking brake shoe adjusting screw set to the parking brake shoe assy LH No.1 and parking brake shoe assy LH No.2.

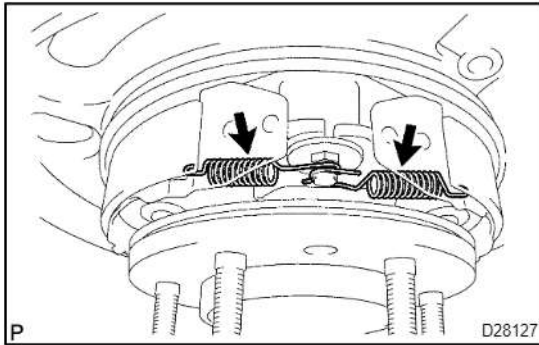


25. INSTALL PARKING BRAKE SHOE ASSY LH NO.1

- (a) FF:
Install the parking brake shoe hold down spring pin No.1.
(b) Install the parking brake shoe assy LH No.1 with the parking brake shoe hold down spring, parking brake shoe hold down spring cup No.2, parking brake shoe hold down spring cup No.2.

26. INSTALL PARKING BRAKE SHOE STRUT LH

- (a) Attach the parking brake shoe strut LH and the parking brake shoe strut compression spring to parking brake shoe assy LH No.2 and parking brake shoe assy LH No.1.



27. INSTALL PARKING BRAKE SHOE RETURN TENSION SPRING

- (a) Using needle-nose pliers, install the 2 return tension springs No.1 as shown in the illustration.

HINT:

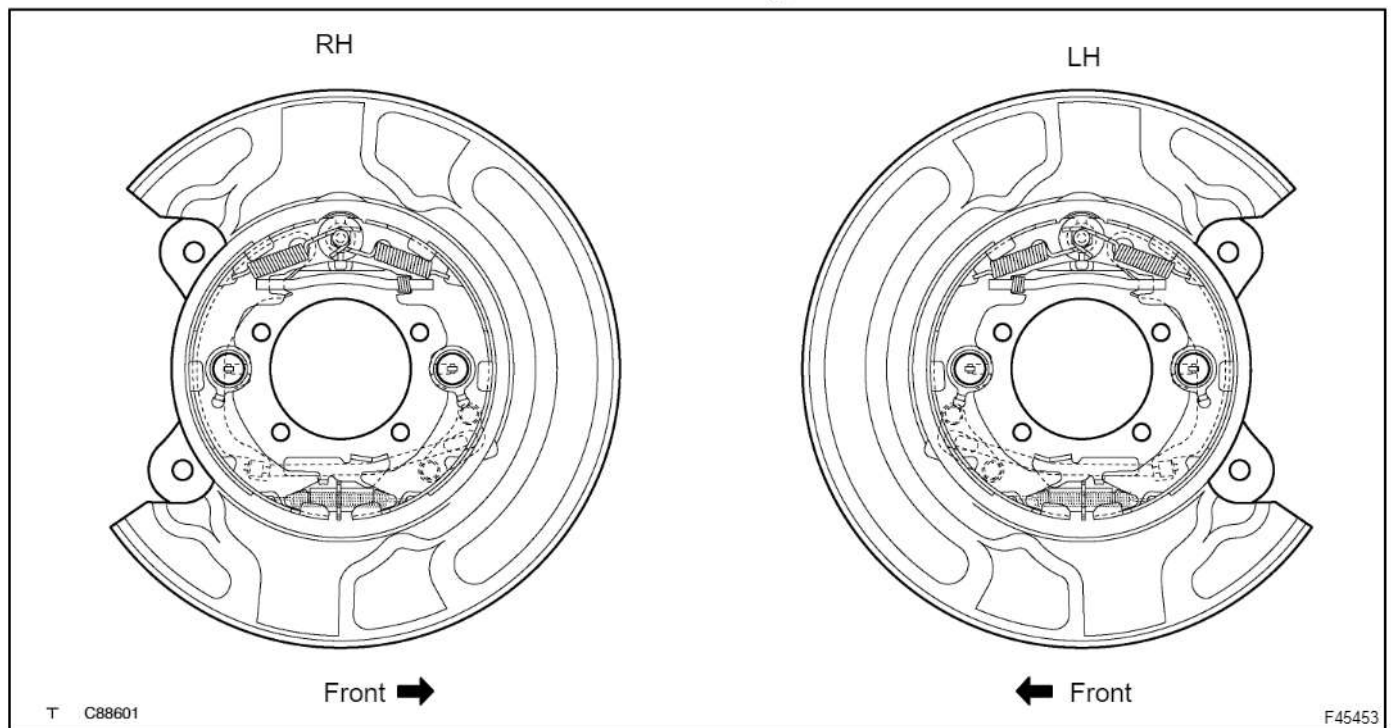
First install the front side spring then the rear side spring.

28. CHECK PARKING BRAKE INSTALLATION

- (a) Check that each part is installed properly.

NOTICE:

There should be no oil or grease on the friction surface of the shoe lining and disc.

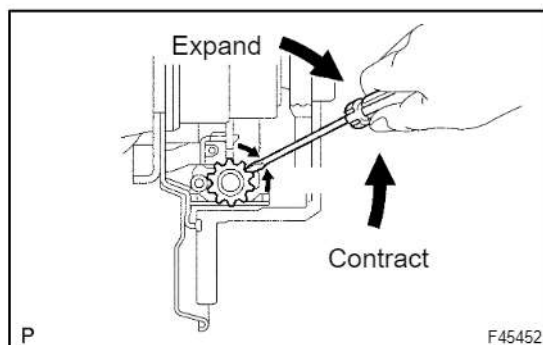


29. INSPECT BEARING BACKLASH (4WD DRIVE TYPE) (SEE PAGE 30-3)

30. INSPECT AXLE HUB DEVIATION (4WD DRIVE TYPE) (SEE PAGE 30-3)

31. INSTALL REAR DISC

- (a) Aligning the matchmarks, install the rear disc.



32. ADJUST PARKING BRAKE SHOE CLEARANCE

- (a) Temporarily install the hub nuts.
 (b) Remove the hole plug, turn the adjuster and expand the shoes until the disc locks.
 (c) Contract the shoe adjuster until the disc rotates smoothly.
Standard : Return 8 notches
 (d) Check that the shoe has no brake drag.
 (e) Install the hole plug.

33. CONNECT REAR DISC BRAKE CALIPER ASSY LH

- (a) Install the rear disc brake caliper assy LH with the 2 bolts.
Torque: 78 N·m (800 kgf·cm, 58 ft·lbf)

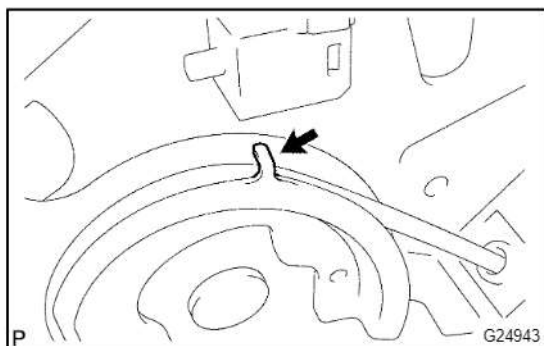
34. INSTALL REAR WHEEL

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

35. INSPECT PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)**36. ADJUST PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)****37. CHECK ABS SPEED SENSOR SIGNAL (4WD DRIVE TYPE) (SEE PAGE 05-765)**

REPLACEMENT

1. PRECAUTION (W/ SIDE AIRBAG) (SEE PAGE 60-1)
2. DISCONNECT BATTERY NEGATIVE TERMINAL (SEE PAGE 60-1)
3. REMOVE INSTRUMENT PANEL FINISH PANEL SUB-ASSY LOWER (SEE PAGE 71-10)
4. REMOVE INSTRUMENT PNL INSERT SUB-ASSY LWR LH (SEE PAGE 71-10)
5. REMOVE INSTRUMENT CLUSTER FINISH PANEL ASSY CENTER (SEE PAGE 71-10)
6. REMOVE FLOOR CARPET COVER CENTER RH (SEE PAGE 71-10)
7. REMOVE FLOOR CARPET COVER CENTER LH (SEE PAGE 71-10)
8. REMOVE FRONT SEAT ASSEMBLY RH
9. REMOVE FRONT SEAT ASSEMBLY LH (SEE PAGE 72-1 1, 72-19)
10. REMOVE CONSOLE BOX ASSY (SEE PAGE 71-10)
11. REMOVE FR FLOOR FOOTREST (SEE PAGE 33-5)
12. REMOVE PARKING BRAKE CONTROL PEDAL ASSY (SEE PAGE 33-5)

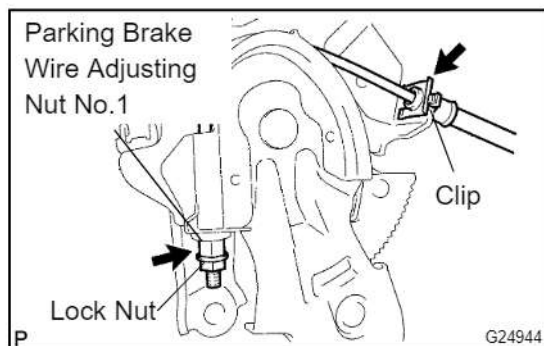


13. REMOVE PARKING BRAKE CABLE ASSY NO.1

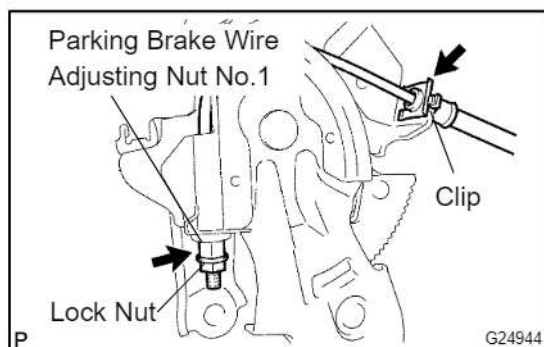
- (a) Using a screwdriver, disengage the claw.

NOTICE:

Be careful not to damage the parking brake cable assy No.1.

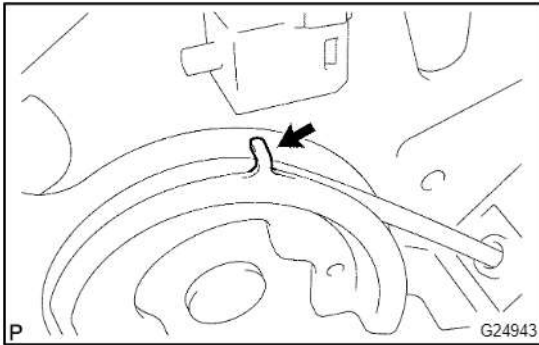


- (b) Remove the clip from the parking brake pedal assy.
- (c) Remove the lock nut and parking brake wire adjusting nut No.1.



14. INSTALL PARKING BRAKE CABLE ASSY NO.1

- (a) Install the parking brake cable assy No.1 with the clip.
- (b) Temporarily install the parking brake wire adjusting nut No.1 and lock nut.



(c) Bend the claw.

NOTICE:

Bend the claw fully.

15. INSTALL PARKING BRAKE CONTROL PEDAL ASSY (SEE PAGE 33-5)
16. INSTALL FR FLOOR FOOTREST (SEE PAGE 33-5)
17. INSTALL FRONT SEAT ASSEMBLY RH
18. INSTALL FRONT SEAT ASSEMBLY LH (SEE PAGE 72-11, 72-19)
19. REMOVE REAR WHEEL
20. ADJUST PARKING BRAKE SHOE CLEARANCE (SEE PAGE 33-19)
21. INSTALL REAR WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
22. INSPECT PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)
23. ADJUST PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)
24. CONNECT BATTERY NEGATIVE TERMINAL
25. INSPECT SRS WARNING LIGHT (W/ SIDE AIRBAG) (SEE PAGE 05-1207)

REPLACEMENT

HINT:

For parking brake cable No.2, employ the same procedure to the No.3 side.

1. REMOVE REAR WHEEL

2. SEPARATE REAR DISC BRAKE CALIPER ASSY LH

(a) Remove the 2 bolts and separate the rear disc brake caliper assy LH.

HINT:

Do not disconnect the flexible hose from the rear brake caliper assy LH.

3. REMOVE REAR DISC (SEE PAGE 33-19)

4. REMOVE PARKING BRAKE SHOE RETURN TENSION SPRING (SEE PAGE 33-19)

5. REMOVE PARKING BRAKE SHOE STRUT LH (SEE PAGE 33-19)

6. REMOVE PARKING BRAKE SHOE ASSY LH NO.1 (SEE PAGE 33-19)

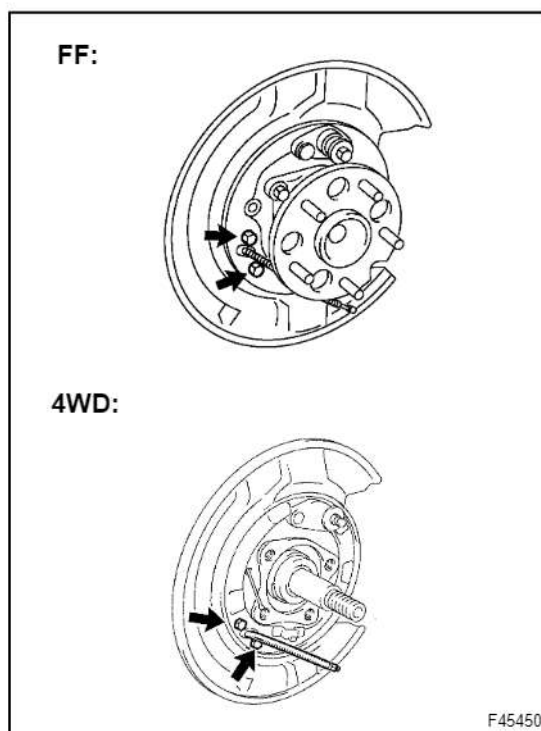
7. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET (SEE PAGE 33-19)

8. REMOVE PARKING BRAKE SHOE ASSY LH NO.2 (SEE PAGE 33-19)

9. SEPARATE SPEED SENSOR REAR LH (4WD DRIVE TYPE) (SEE PAGE 30-60)

10. REMOVE REAR AXLE SHAFT LH NUT (4WD DRIVE TYPE) (SEE PAGE 30-60)

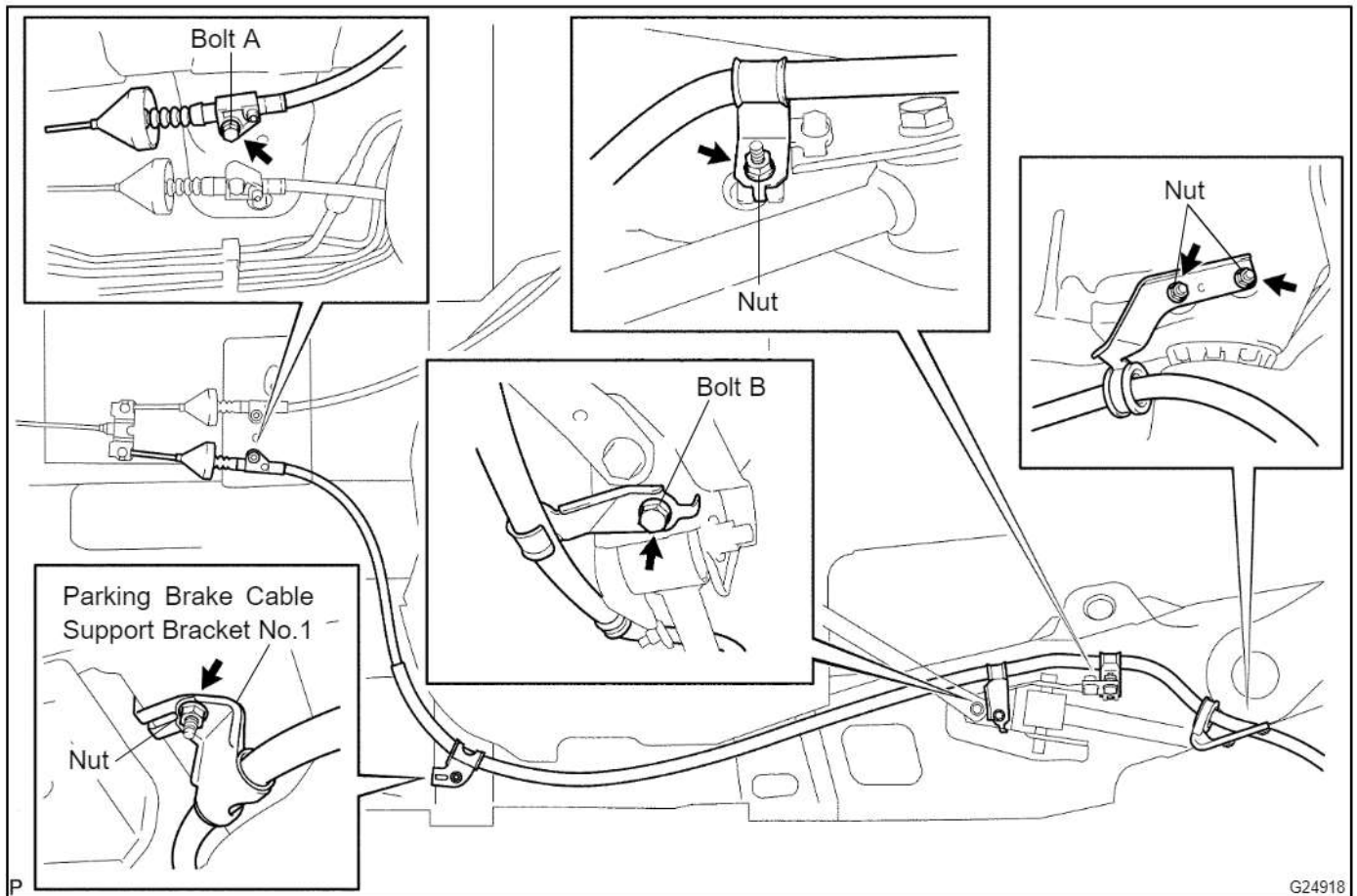
11. REMOVE REAR AXLE HUB & BEARING ASSY LH (4WD DRIVE TYPE) (SEE PAGE 30-60)



12. REMOVE PARKING BRAKE CABLE ASSY NO.3

(a) Remove the 2 bolts and separate the parking brake cable assy No.3 from the backing plate.

- (b) Remove the 4 nuts and 2 bolts and separate the parking brake cable assy No.3 from the body.
- (c) Separate the parking brake cable assy No.3 from the equalizer and remove the parking brake cable assy No.3.
- (d) Remove the parking brake cable support bracket No.1 from the parking brake cable assy No.3.



13. INSTALL PARKING BRAKE CABLE ASSY NO.3

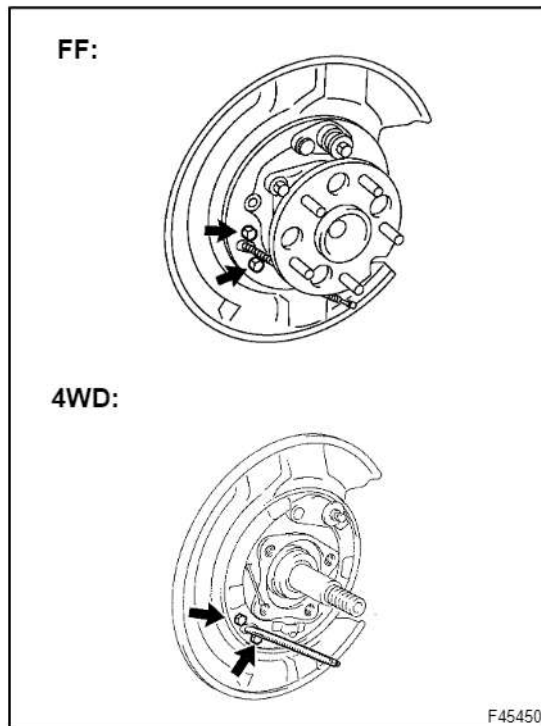
- (a) Attach the parking brake cable support bracket No.1 to the parking brake cable assy No.3.
- (b) Connect the parking brake cable assy No.3 to the equalizer and slide boot stopper of No.1 cable should be inserted into groove of T-Metal fitting.
- (c) Install the 4 nuts, 2 bolts and parking brake cable assy No.3 to the body.

Torque:

Bolt A: 8.5 N·m (87 kgf·cm, 75 in.·lbf)

Bolt B: 39 N·m (400 kgf·cm, 29 ft.·lbf)

Nut: 6.0 N·m (61 kgf·cm, 53 in.·lbf)



- (d) Connect the parking brake cable assy No.3 to the backing plate with the 2 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)

14. APPLY HIGH TEMPERATURE GREASE (SEE PAGE 33-19)
15. INSTALL REAR AXLE HUB & BEARING ASSY LH (4WD DRIVE TYPE) (SEE PAGE 30-60)
16. INSTALL REAR AXLE SHAFT LH NUT (4WD DRIVE TYPE) (SEE PAGE 30-60)
17. INSTALL SPEED SENSOR REAR LH (4WD DRIVE TYPE) (SEE PAGE 30-60)
18. INSTALL PARKING BRAKE SHOE ASSY LH NO.2 (SEE PAGE 33-19)
19. INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET (SEE PAGE 33-19)
20. INSTALL PARKING BRAKE SHOE ASSY LH NO.1 (SEE PAGE 33-19)
21. INSTALL PARKING BRAKE SHOE STRUT LH (SEE PAGE 33-19)
22. INSTALL PARKING BRAKE SHOE RETURN TENSION SPRING (SEE PAGE 33-19)
23. CHECK PARKING BRAKE INSTALLATION (SEE PAGE 33-19)
24. INSPECT BEARING BACKLASH (4WD DRIVE TYPE) (SEE PAGE 30-3)
25. INSPECT AXLE HUB DEVIATION (4WD DRIVE TYPE) (SEE PAGE 30-3)
26. INSTALL REAR DISC
 - (a) Aligning the matchmarks, install the rear disc.
27. ADJUST PARKING BRAKE SHOE CLEARANCE (SEE PAGE 33-19)
28. CONNECT REAR DISC BRAKE CALIPER ASSY LH
 - (a) Install the rear disc brake caliper assy LH with the 2 bolts.
Torque: 78 N·m (800 kgf·cm, 58 ft·lbf)
29. INSTALL REAR WHEEL
 - Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)**
30. INSPECT PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)
31. ADJUST PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33-2)
32. CHECK ABS SPEED SENSOR SIGNAL (4WD DRIVE TYPE) (SEE PAGE 05-765)