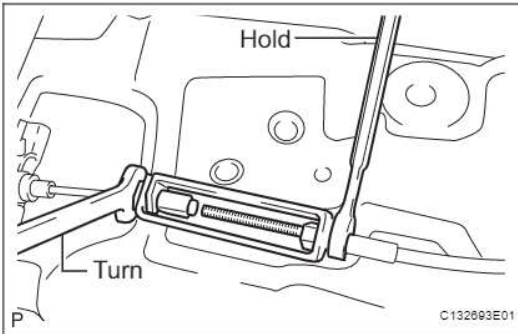
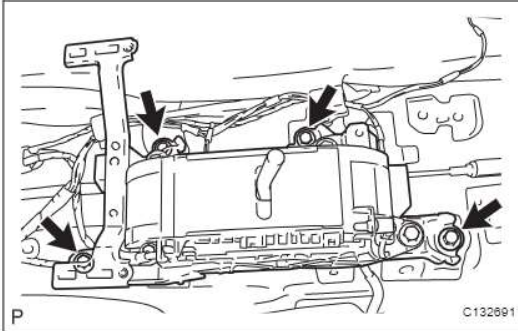


REMOVAL

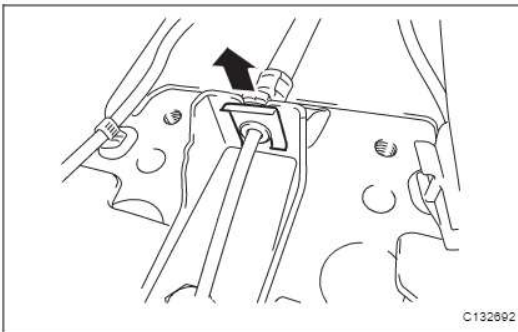
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
CAUTION:
Wait for 90 seconds after disconnecting the cable to prevent the airbag working.
2. REMOVE FRONT DOOR SCUFF PLATE LH (See page [IR-13](#))
3. REMOVE COWL SIDE TRIM SUB-ASSEMBLY LH (See page [IR-14](#))
4. REMOVE FRONT DOOR SCUFF PLATE RH (See page [IR-15](#))
5. REMOVE COWL SIDE TRIM SUB-ASSEMBLY RH (See page [IR-15](#))
6. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL LH (See page [IP-11](#))
7. REMOVE DRIVER SIDE KNEE AIRBAG ASSEMBLY (See page [RS-363](#))
8. REMOVE INSTRUMENT PANEL NO. 2 UNDER COVER SUB-ASSEMBLY (See page [IP-13](#))
9. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY (See page [IP-14](#))
10. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (See page [IP-14](#))
11. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-14](#))
12. REMOVE NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-14](#))
13. REMOVE FLOOR SHIFT POSITION INDICATOR HOUSING SUB-ASSEMBLY (See page [IP-15](#))
14. REMOVE UPPER CONSOLE REAR PANEL SUB-ASSEMBLY (See page [IP-15](#))
15. REMOVE UPPER CONSOLE PANEL SUB-ASSEMBLY (See page [IP-16](#))
16. REMOVE CONSOLE BOX POCKET (See page [IP-17](#))
17. REMOVE CONSOLE BOX CARPET (See page [IP-17](#))
18. REMOVE CONSOLE BOX ASSEMBLY (See page [IP-17](#))
19. REMOVE NO. 2 CONSOLE BOX INSERT FRONT (See page [IP-18](#))
20. REMOVE NO. 1 CONSOLE BOX INSERT FRONT (See page [IP-18](#))
21. REMOVE NO. 1 CONSOLE BOX DUCT (See page [AC-188](#))

PB-8**PARKING BRAKE – PARKING BRAKE PEDAL**

22. REMOVE FLOOR CARPET BRACKET LH (See page [AC-188](#))
23. REMOVE FLOOR CARPET BRACKET RH (See page [AC-189](#))
24. REMOVE YAW RATE AND ACCELERATION SENSOR (See page [BC-283](#))
25. REMOVE FLOOR SHIFT LEVER ASSEMBLY
 - (a) Remove the 4 bolts and the floor shift lever assembly.
26. REMOVE CENTER AIRBAG SENSOR ASSEMBLY (See page [RS-424](#))



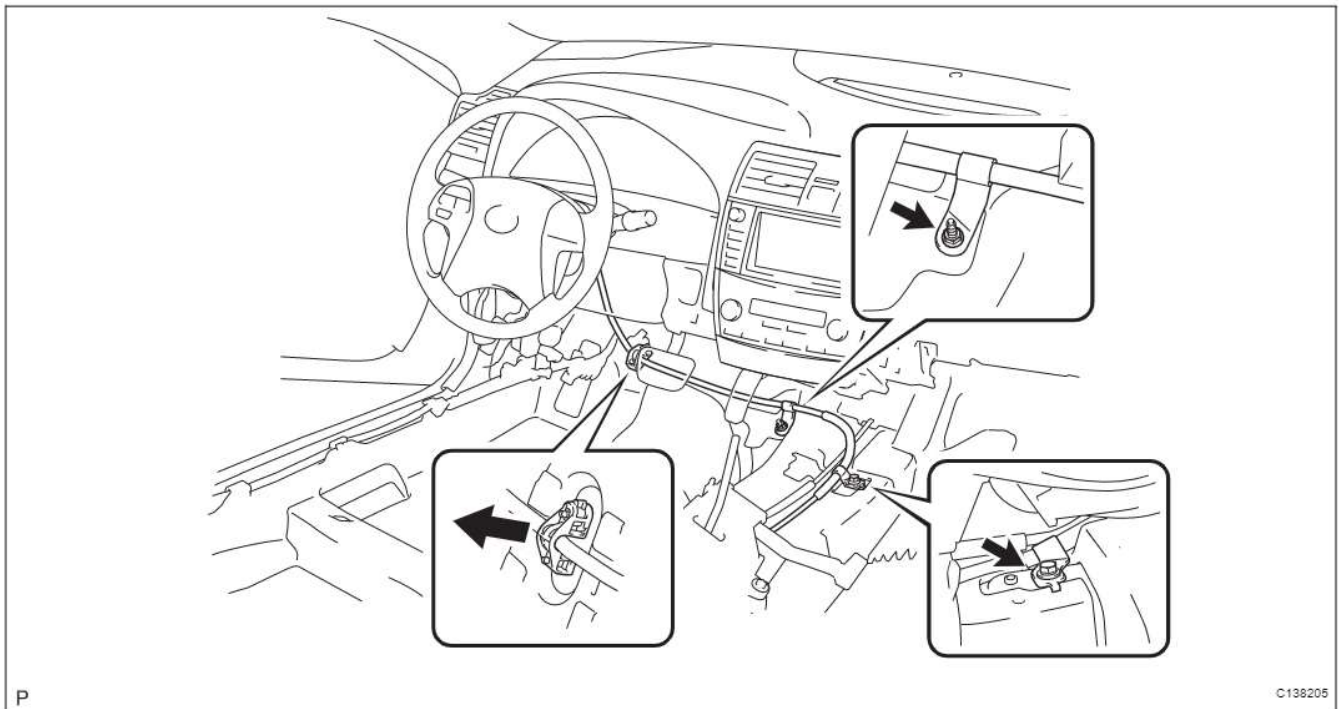
27. DISCONNECT NO. 4 PARKING BRAKE CABLE ASSEMBLY
 - (a) Using a wrench, hold the lock nut and loosen the turnbuckle.
 - (b) Disconnect the No. 4 parking brake cable assembly from the No. 1 parking brake cable assembly.



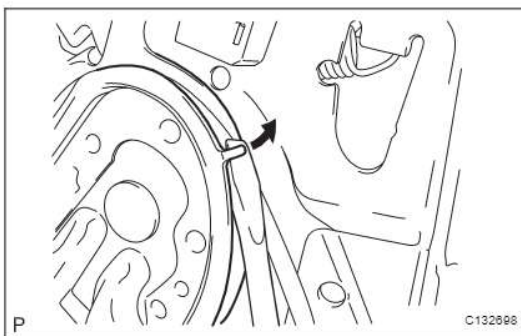
28. REMOVE PARKING BRAKE PEDAL ASSEMBLY
 - (a) Using needle-nose pliers, remove the clip from the No. 1 parking brake cable assembly.

PARKING BRAKE – PARKING BRAKE PEDAL**PB-9**

- (b) Remove the bolt, nut, and the No. 1 parking brake cable clamp.

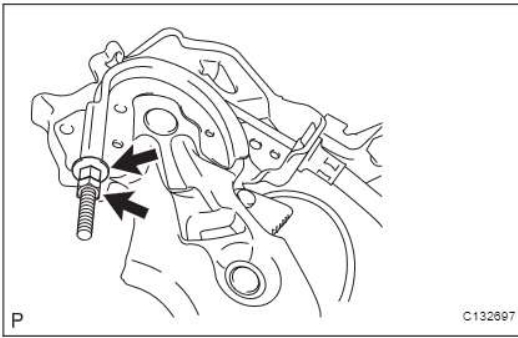


- (c) Separate the No. 1 parking brake cable assembly from the body.
- (d) Disconnect the parking brake switch connector.
- (e) Remove the bolt, 2 nuts, and the parking brake pedal assembly with the No. 1 parking brake cable assembly from the body.

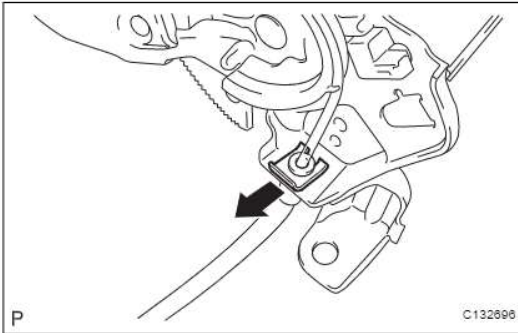
**DISASSEMBLY****1. REMOVE NO. 1 PARKING BRAKE CABLE ASSEMBLY**

- (a) Using a screwdriver, pull up the parking brake pedal claw.

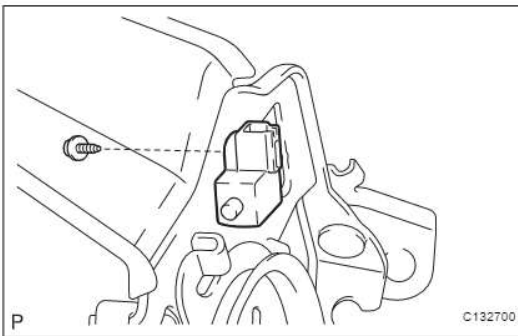
PB

PB-10**PARKING BRAKE – PARKING BRAKE PEDAL**

- (b) Remove the lock nut and the No. 1 wire adjusting nut.



- (c) Using needle-nose pliers, remove the clip and the No. 1 parking brake cable from the parking brake pedal assembly.

**2. REMOVE PARKING BRAKE SWITCH ASSEMBLY**

- (a) Remove the screw and the parking brake switch assembly.

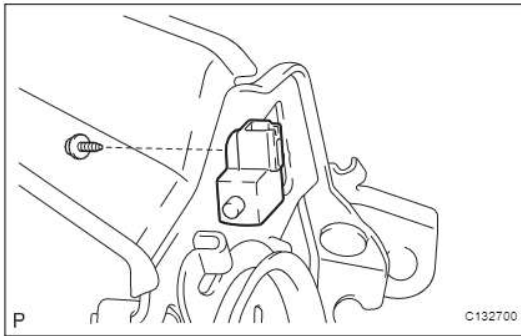
**3. REMOVE PARKING PEDAL PAD**

- (a) Remove the parking pedal pad.

**REASSEMBLY****1. INSTALL PARKING PEDAL PAD**

- (a) Install the parking pedal pad to the parking brake pedal assembly.

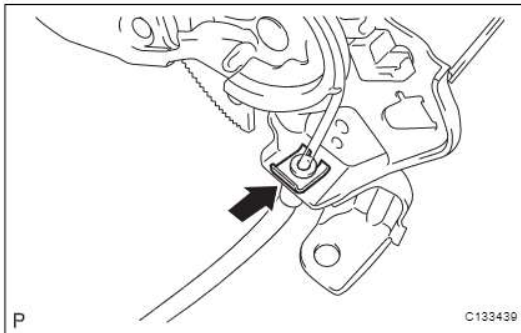
PB

PARKING BRAKE – PARKING BRAKE PEDAL**PB-11****2. INSTALL PARKING BRAKE SWITCH ASSEMBLY**

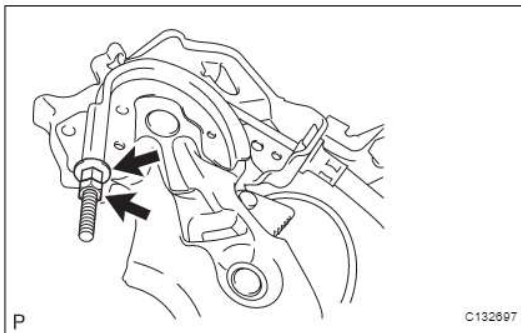
- (a) Install the parking brake switch assembly with the screw.

3. INSTALL NO. 1 PARKING BRAKE CABLE ASSEMBLY

- (a) Pass the No. 1 parking brake cable assembly through the pedal guide.



- (b) Using a brass bar and a hammer, install the clip to the No. 1 parking brake cable assembly.

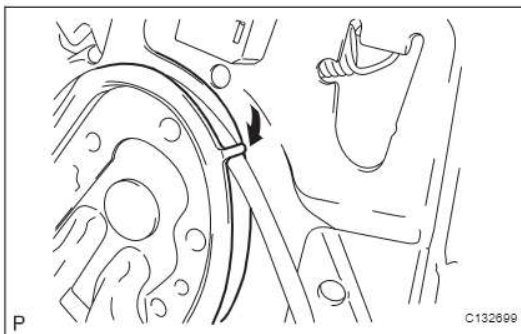


- (c) Temporarily tighten the the lock nut and No. 1 wire adjusting nut.

NOTICE:

Fully tighten the lock nut and the No. 1 wire adjusting nut when adjusting the parking brake pedal travel.

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)



- (d) Bend the parking brake pedal claw.

PB

PB-12

PARKING BRAKE – PARKING BRAKE PEDAL

INSTALLATION

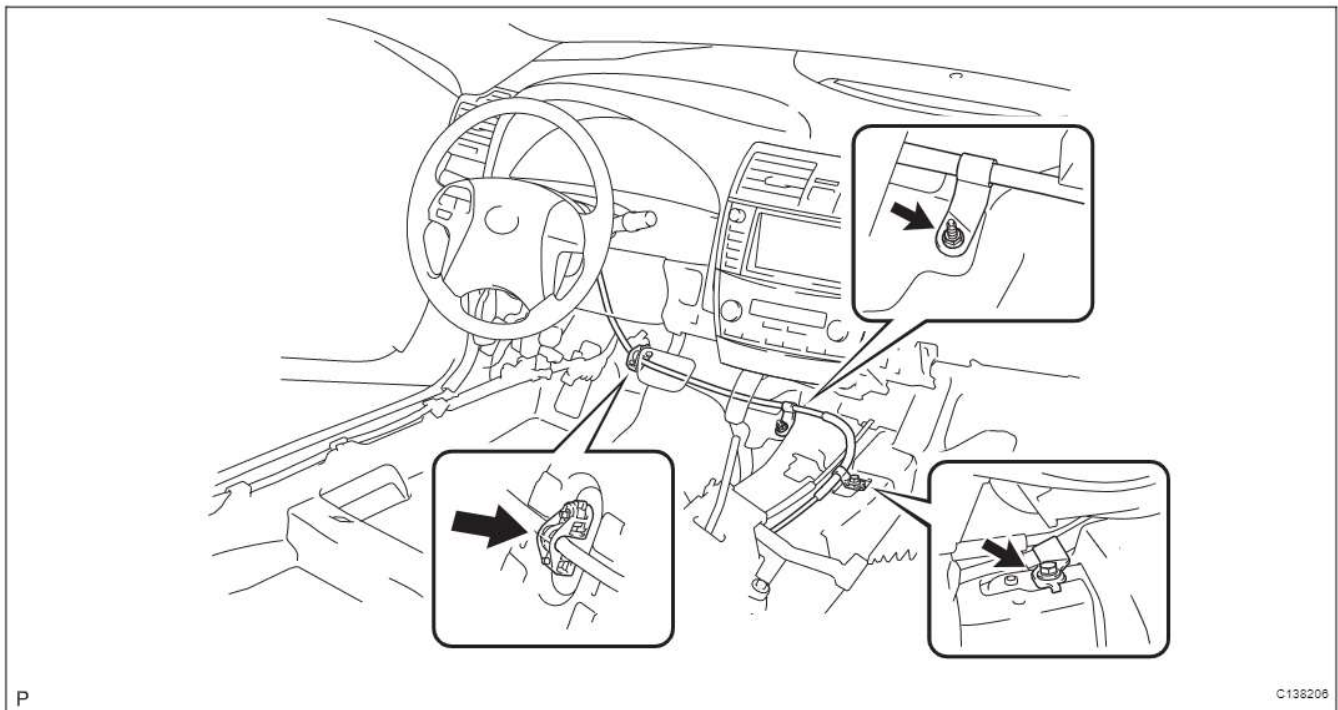
1. INSTALL PARKING BRAKE PEDAL ASSEMBLY

- (a) Install the parking brake pedal assembly with the bolt and 2 nuts.

Torque: 39 N*m (398 kgf*cm, 29 ft.*lbf)

- (b) Connect the parking brake switch connector.

- (c) Install the No. 1 parking brake cable assembly to the body with the bolt, the nut, and a new No. 1 parking brake cable clamp.



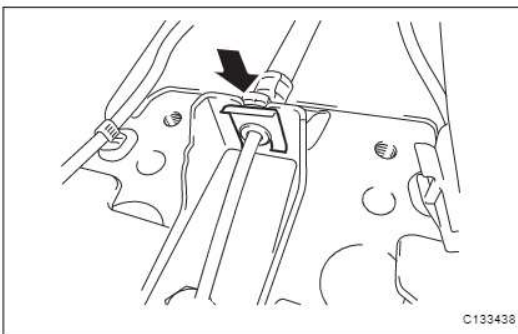
Torque: Bolt

15 N*m (153 kgf*cm, 11 ft.*lbf)

Nut

5.4 N*m (55 kgf*cm, 48 in.*lbf)

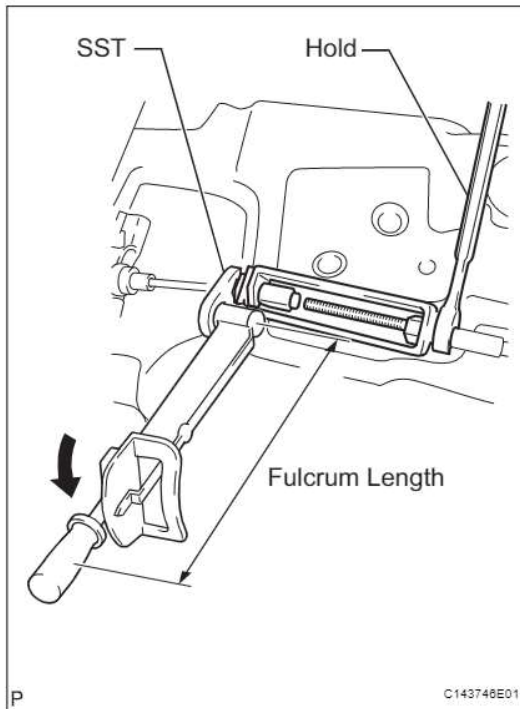
- (d) Using a brass bar and a hammer, install the clip to the No. 1 parking brake cable assembly.



PB

PARKING BRAKE – PARKING BRAKE PEDAL

PB-13



2. CONNECT NO. 4 PARKING BRAKE CABLE ASSEMBLY

- (a) Connect the No. 4 parking brake cable assembly to the No. 1 parking brake cable assembly.
- (b) Using SST and a wrench, hold the lock nut of the No. 1 parking brake cable and tighten the turnbuckle of the No. 4 parking brake cable.

SST 09023-00101

Torque: without SST

5.4 N*m (55 kgf*cm, 48 in.*lbf)

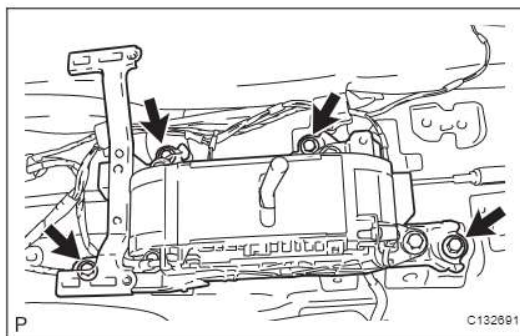
with SST

5.0 N*m (51 kgf*cm, 44 in.*lbf)

NOTICE:

- Use a torque wrench with a fulcrum length of 250 mm (9.84 in.).
- This torque is effective when SST is parallel to a torque wrench.

3. INSTALL CENTER AIRBAG SENSOR ASSEMBLY (See page RS-424)



4. INSTALL FLOOR SHIFT LEVER ASSEMBLY

- (a) Install the floor shift lever assembly with the 4 bolts.
Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)

5. INSTALL YAW RATE AND ACCELERATION SENSOR (See page BC-283)

6. INSTALL FLOOR CARPET BRACKET LH

7. INSTALL FLOOR CARPET BRACKET RH

8. INSTALL NO. 1 CONSOLE BOX DUCT (See page AC-204)

9. INSTALL NO. 2 CONSOLE BOX INSERT FRONT (See page IP-30)

10. INSTALL NO. 1 CONSOLE BOX INSERT FRONT (See page IP-29)

11. INSTALL CONSOLE BOX ASSEMBLY (See page IP-30)

12. INSTALL CONSOLE BOX CARPET (See page IP-30)

13. INSTALL CONSOLE BOX POCKET (See page IP-30)

14. INSTALL UPPER CONSOLE PANEL SUB-ASSEMBLY (See page IP-31)

15. INSTALL UPPER CONSOLE REAR PANEL SUB-ASSEMBLY (See page IP-31)

16. INSTALL FLOOR SHIFT POSITION INDICATOR HOUSING SUB-ASSEMBLY (See page IP-31)

17. INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page IP-32)

PB

PB-14**PARKING BRAKE – PARKING BRAKE PEDAL**

18. INSTALL NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-32](#))
19. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (See page [IP-32](#))
20. INSTALL LOWER INSTRUMENT PANEL SUB-ASSEMBLY (See page [IP-33](#))
21. INSTALL INSTRUMENT PANEL NO. 2 UNDER COVER SUB-ASSEMBLY (See page [IP-33](#))
22. INSTALL DRIVER SIDE KNEE AIRBAG ASSEMBLY (See page [RS-363](#))
23. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL LH (See page [IP-35](#))
24. INSTALL COWL SIDE TRIM SUB-ASSEMBLY LH (See page [IR-41](#))
25. INSTALL FRONT DOOR SCUFF PLATE LH (See page [IR-41](#))
26. INSTALL COWL SIDE TRIM SUB-ASSEMBLY RH (See page [IR-42](#))
27. INSTALL FRONT DOOR SCUFF PLATE RH (See page [IR-42](#))
28. INSPECT PARKING BRAKE PEDAL TRAVEL (See page [PB-1](#))
29. ADJUST PARKING BRAKE PEDAL TRAVEL (See page [PB-1](#))
30. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
31. PERFORM INITIALIZATION
NOTICE:
Some systems need initialization after reconnecting the cable to the negative battery terminal. (See page [IN-43](#))
32. INSPECT SRS WARNING LIGHT (See page [RS-433](#))
33. INSPECT SENSOR SIGNAL (See page [BC-284](#))

REMOVAL

HINT:

- There is a slight difference in shape between the No. 2 parking brake cable assembly and No. 3 parking brake cable assembly.
- Use the same procedures for the No. 2 parking brake cable assembly and No. 3 parking brake cable assembly.
- The procedures listed below are for the No. 3 parking brake cable assembly.

1. REMOVE FRONT SEAT ASSEMBLY LH

HINT:

Refer to the procedures up to "REMOVE FRONT SEAT ASSEMBLY (for Power Seat)". (See page [SE-29](#))

2. REMOVE FRONT SEAT ASSEMBLY RH (for Manual Seat)

HINT:

Refer to the procedures up to "REMOVE FRONT SEAT ASSEMBLY (for Manual Seat)". (See page [SE-16](#))

3. REMOVE FRONT SEAT ASSEMBLY RH (for Power Seat)

HINT:

Use the same procedures for the RH side and the LH side.

4. REMOVE PARKING BRAKE PEDAL ASSEMBLY

HINT:

Refer to the procedures up to "REMOVE PARKING BRAKE PEDAL". (See page [PB-7](#))

5. REMOVE NO. 1 PARKING BRAKE CABLE ASSEMBLY (See page [PB-9](#))

6. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP LH

7. REMOVE REAR DOOR SCUFF PLATE LH (See page [IR-13](#))

8. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP LH

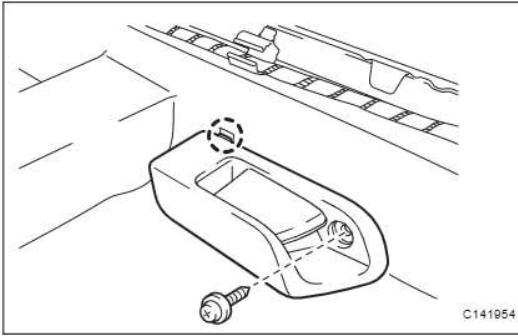
9. REMOVE LOWER CENTER PILLAR GARNISH LH (See page [IR-14](#))

10. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP RH

11. REMOVE REAR DOOR SCUFF PLATE RH (See page [IR-13](#))

12. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP RH

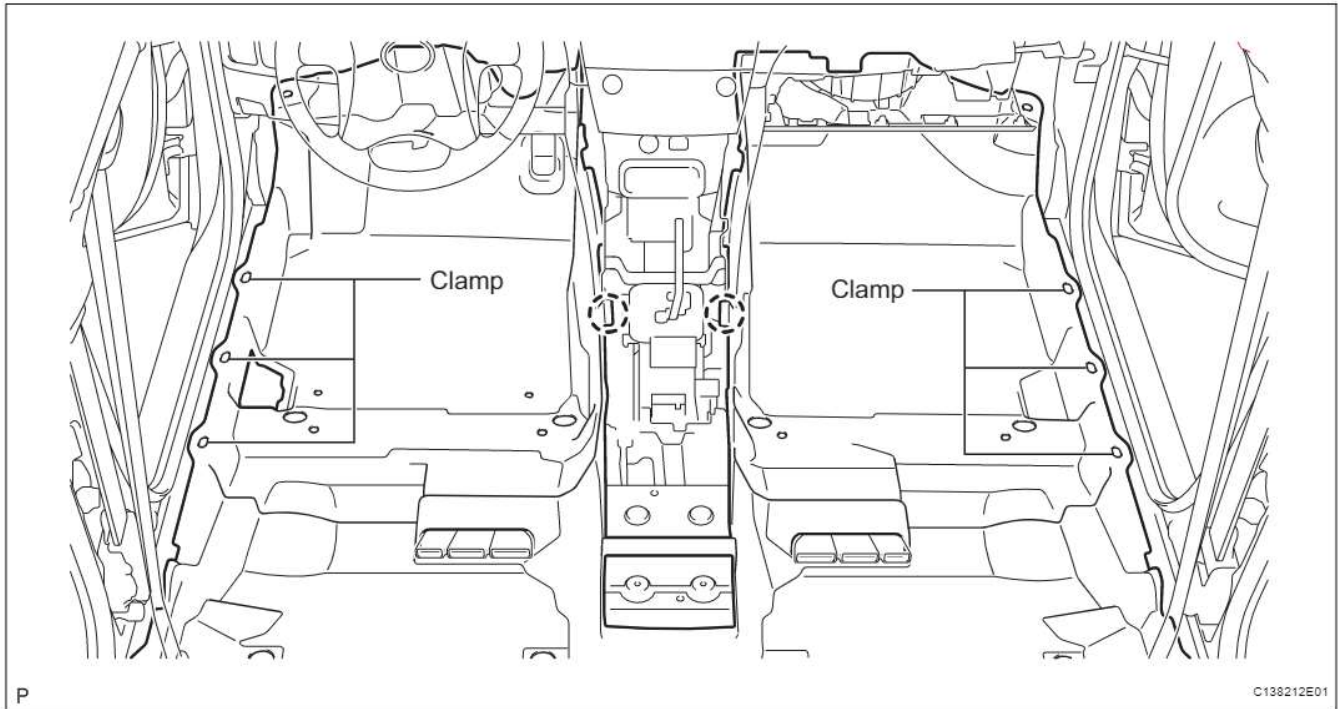
13. REMOVE LOWER CENTER PILLAR GARNISH RH (See page [IR-15](#))

PB-26**PARKING BRAKE – PARKING BRAKE CABLE****14. REMOVE LUGGAGE DOOR LOCK OPENER ASSEMBLY**

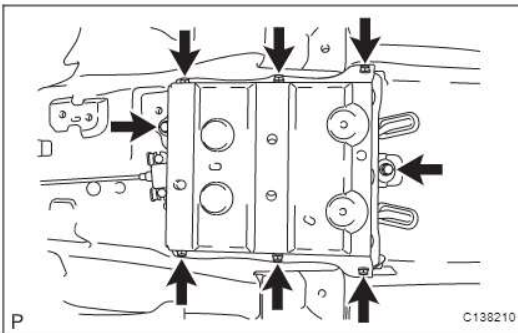
- (a) Remove the screw.
- (b) Disengage the claw and remove the luggage door lock opener assembly.

15. REMOVE FRONT FLOOR CARPET ASSEMBLY

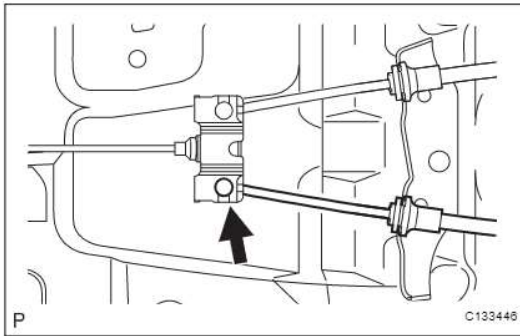
- (a) Disengage the 6 clamps and the 2 claws.



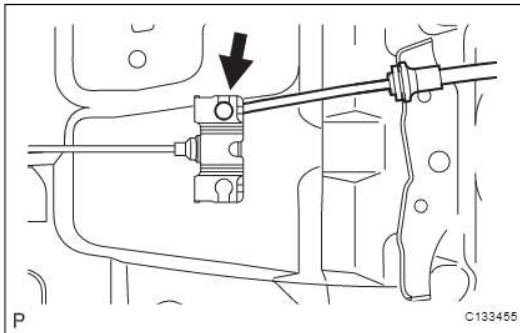
- (b) Turn back the front floor carpet assembly until the bolts of the cross member No. 4 floor reinforcement sub-assembly can be seen.

**16. REMOVE CROSS MEMBER FLOOR NO. 4 REINFORCEMENT SUB-ASSEMBLY**

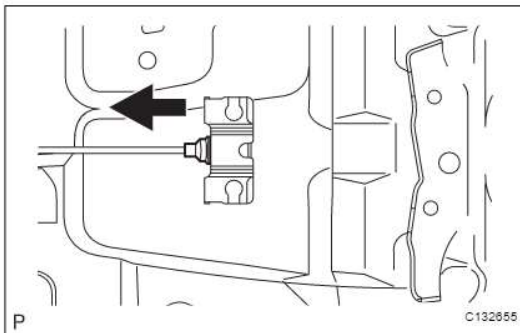
- (a) Remove the 8 bolts and the cross member floor No. 4 reinforcement sub-assembly.

PARKING BRAKE – PARKING BRAKE CABLE**PB-27****17. SEPARATE NO. 3 PARKING BRAKE CABLE ASSEMBLY**

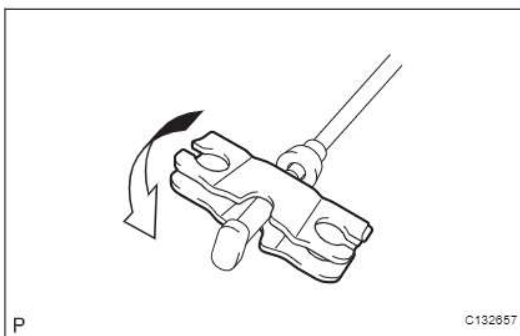
- (a) Separate the No. 3 parking brake cable assembly from the parking brake equalizer.

**18. SEPARATE NO. 2 PARKING BRAKE CABLE ASSEMBLY**

- (a) Separate the No. 2 parking brake cable assembly from the parking brake equalizer.

**19. REMOVE NO. 4 PARKING BRAKE CABLE ASSEMBLY**

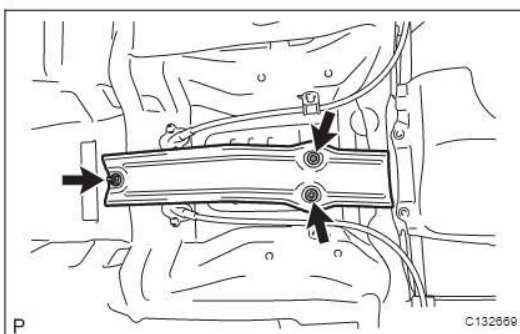
- (a) Slide the rubber boot as shown in the illustration.



- (b) Remove the No. 4 parking brake cable assembly from the parking brake equalizer as shown in the illustration.

20. REMOVE CENTER EXHAUST PIPE ASSEMBLY (See page EX-2)**21. REMOVE FLOOR NO. 1 UNDER COVER (See page SP-41)****22. REMOVE FLOOR NO. 2 UNDER COVER (See page SP-42)****23. REMOVE NO. 2 FRONT FLOOR HEAT LOWER INSULATOR**

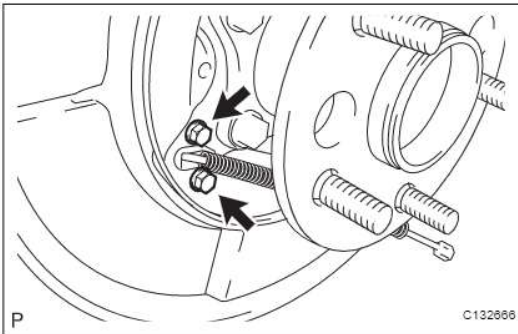
- (a) Remove the 3 nuts and the No. 2 front floor heat lower insulator.

24. REMOVE REAR WHEEL**25. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY (See page PB-35)****26. REMOVE REAR DISC (See page PB-35)****PB**

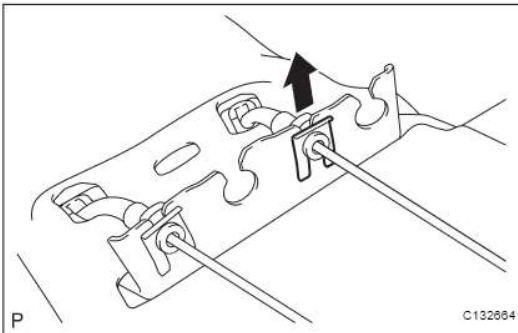
PB-28**PARKING BRAKE – PARKING BRAKE CABLE**

27. REMOVE PARKING BRAKE SHOE RETURN TENSION NO. 1 SPRING (See page [PB-35](#))
28. REMOVE PARKING BRAKE SHOE STRUT (See page [PB-35](#))
29. REMOVE NO. 1 PARKING BRAKE SHOE ASSEMBLY (See page [PB-35](#))
30. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET (See page [PB-36](#))
31. REMOVE NO. 2 PARKING BRAKE SHOE ASSEMBLY (See page [PB-36](#))
32. REMOVE NO. 3 PARKING BRAKE CABLE ASSEMBLY

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

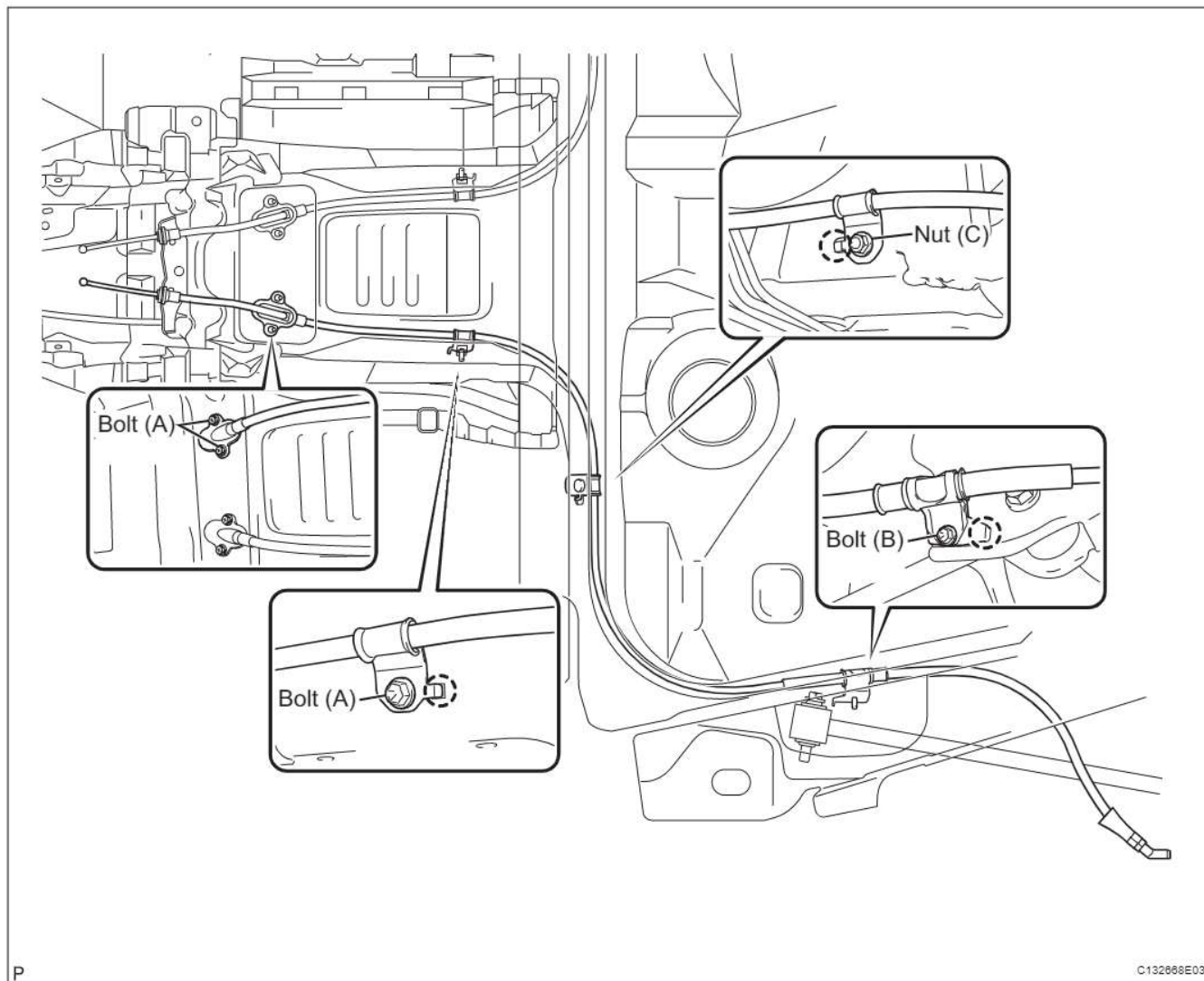


- (b) Using needle-nose pliers, remove the clip from the No. 3 parking brake cable assembly.



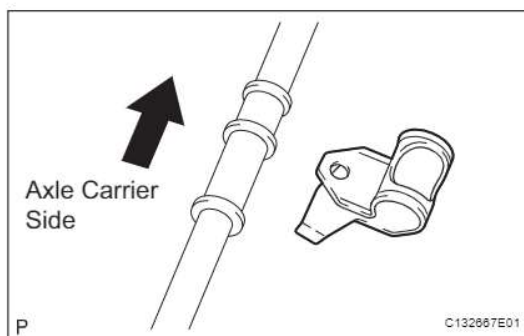
PARKING BRAKE – PARKING BRAKE CABLE**PB-29**

- (c) Remove 3 bolts (A), bolt (B), and nut (C), and disengage each claw.



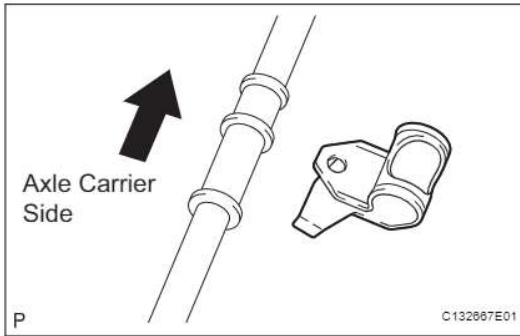
- (d) Remove the No. 3 parking brake cable assembly from the body.

- (e) Remove the parking brake cable clamp.

**PB**

PB-30

PARKING BRAKE – PARKING BRAKE CABLE



INSTALLATION

1. INSTALL NO. 3 PARKING BRAKE CABLE ASSEMBLY

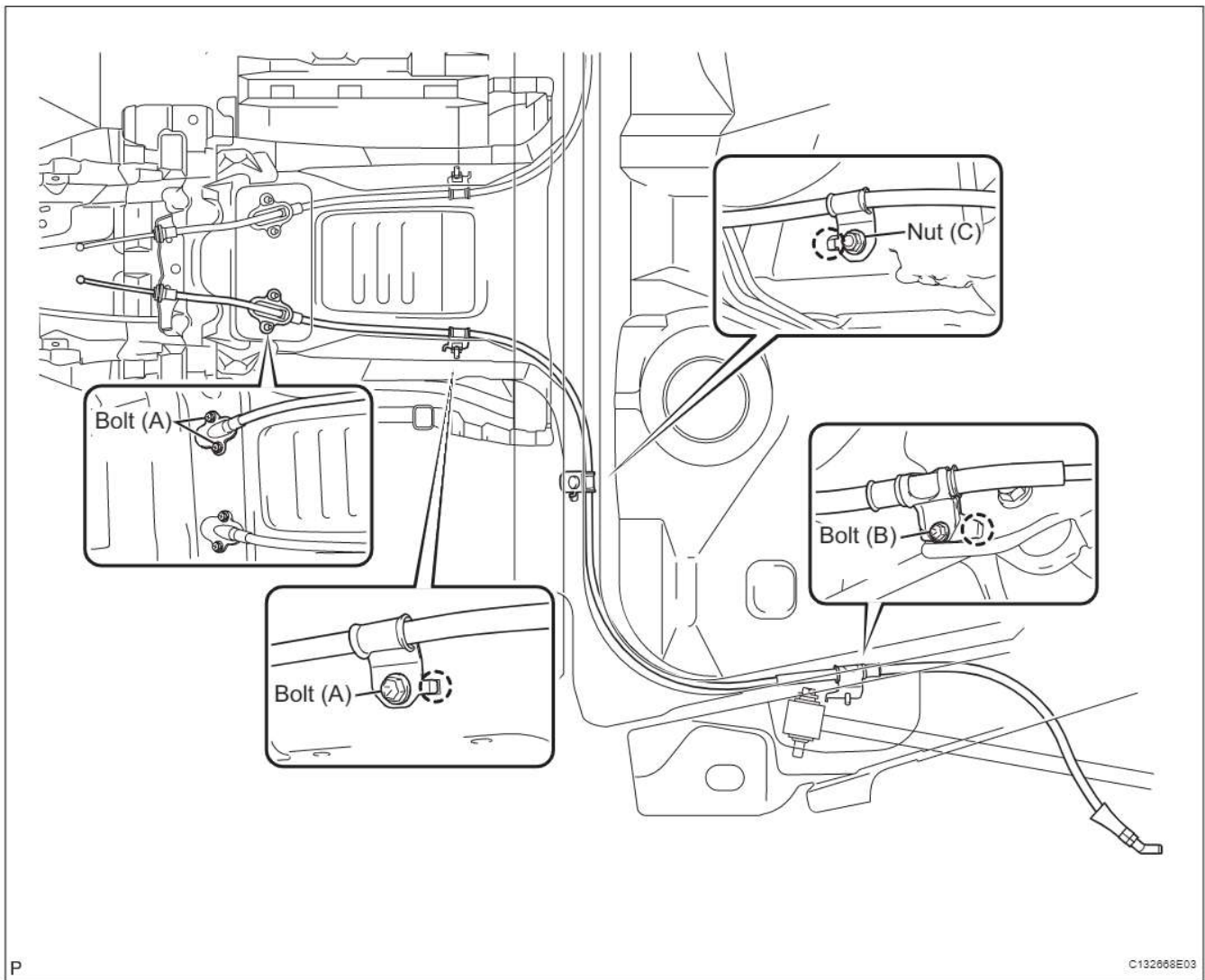
- Install the parking brake cable clamp to the No. 3 parking brake cable assembly.
- Install the No. 3 parking brake cable assembly with 3 bolts (A), bolt (B) and nut (C), and engage each claw.

Torque: Bolt (A)

8.5 N*m (87 kgf*cm, 75 in.*lbf)

Bolt (B) and Nut (C)

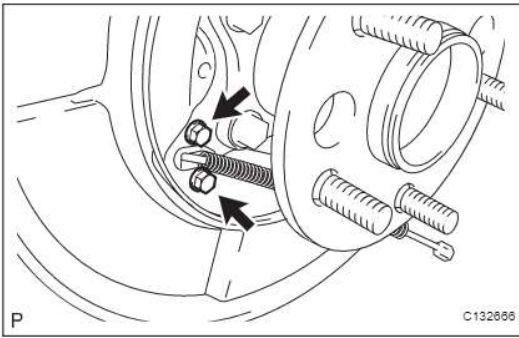
6.0 N*m (61 kgf*cm, 53 in.*lbf)



PB

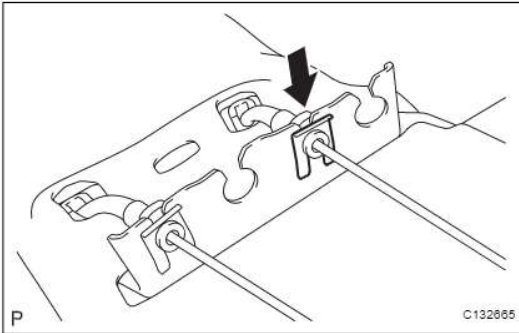
PARKING BRAKE – PARKING BRAKE CABLE

PB-31



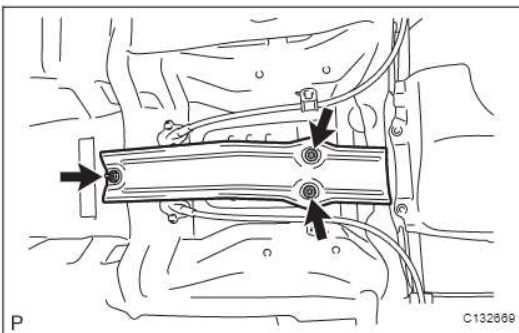
- (c) Install the No. 3 parking brake cable assembly to the backing plate with the 2 bolts.

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

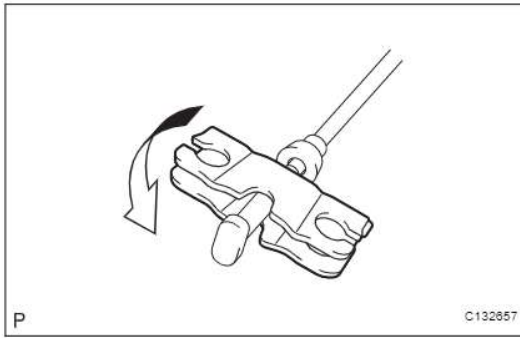


- (d) Using a brass bar and a hammer, install the clip to the No. 3 parking brake cable assembly.

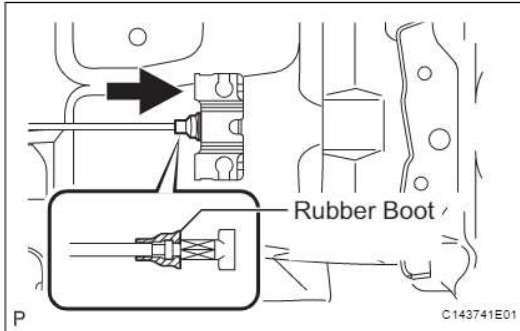
2. **INSTALL NO. 2 PARKING BRAKE SHOE ASSEMBLY** (See page [PB-38](#))
3. **INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET** (See page [PB-39](#))
4. **INSTALL NO. 1 PARKING BRAKE SHOE ASSEMBLY** (See page [PB-39](#))
5. **INSTALL PARKING BRAKE SHOE STRUT** (See page [PB-39](#))
6. **INSTALL PARKING BRAKE SHOE RETURN TENSION NO. 1 SPRING** (See page [PB-39](#))
7. **CHECK PARKING BRAKE INSTALLATION** (See page [PB-40](#))
8. **INSTALL REAR DISC** (See page [PB-40](#))
9. **ADJUST PARKING BRAKE SHOE CLEARANCE** (See page [PB-1](#))
10. **INSTALL REAR DISC BRAKE CALIPER ASSEMBLY** (See page [PB-40](#))
11. **INSTALL REAR WHEEL**
12. **INSTALL NO. 2 FRONT FLOOR HEAT LOWER INSULATOR**
 - (a) Install the No. 2 front floor heat lower insulator with the 3 nuts.
Torque: 4.9 N*m (50 kgf*cm, 43 in.*lbf)
13. **INSTALL CENTER EXHAUST PIPE ASSEMBLY** (See page [EX-4](#))
14. **INSTALL FLOOR NO. 1 UNDER COVER** (See page [SP-46](#))
15. **INSTALL FLOOR NO. 2 UNDER COVER** (See page [SP-46](#))



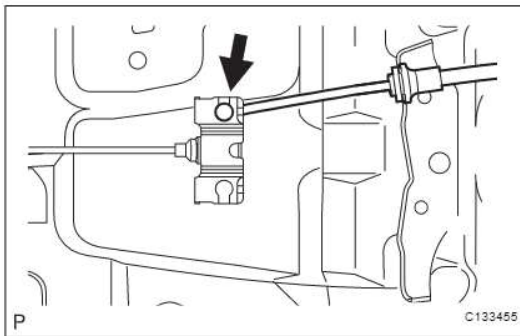
PB

PB-32**PARKING BRAKE – PARKING BRAKE CABLE****16. INSTALL NO. 4 PARKING BRAKE CABLE ASSEMBLY**

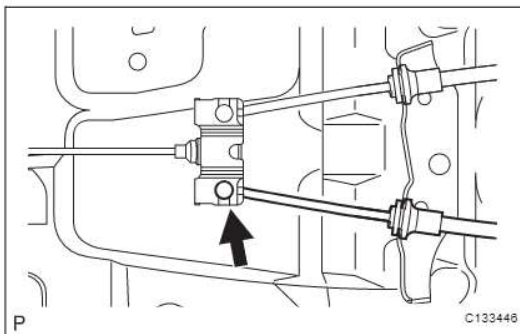
- (a) Install the No. 4 parking brake cable assembly to the parking brake equalizer.



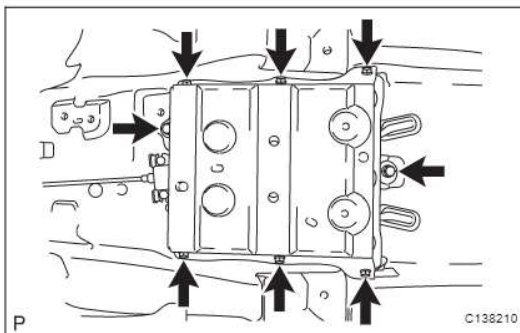
- (b) Slide the rubber boot back as shown in the illustration.

**17. CONNECT NO. 2 PARKING BRAKE CABLE ASSEMBLY**

- (a) Connect the No. 2 parking brake cable assembly to the parking brake equalizer.

**18. CONNECT NO. 3 PARKING BRAKE CABLE ASSEMBLY**

- (a) Connect the No. 3 parking brake cable assembly to the parking brake equalizer.

**19. INSTALL CROSS MEMBER FLOOR NO. 4 REINFORCEMENT SUB-ASSEMBLY**

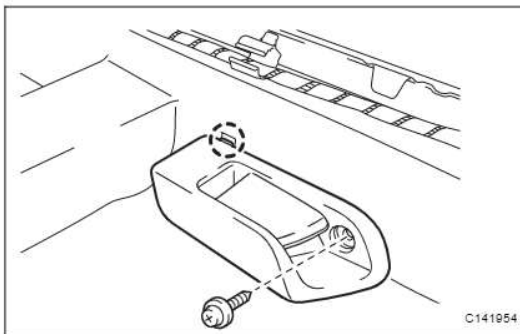
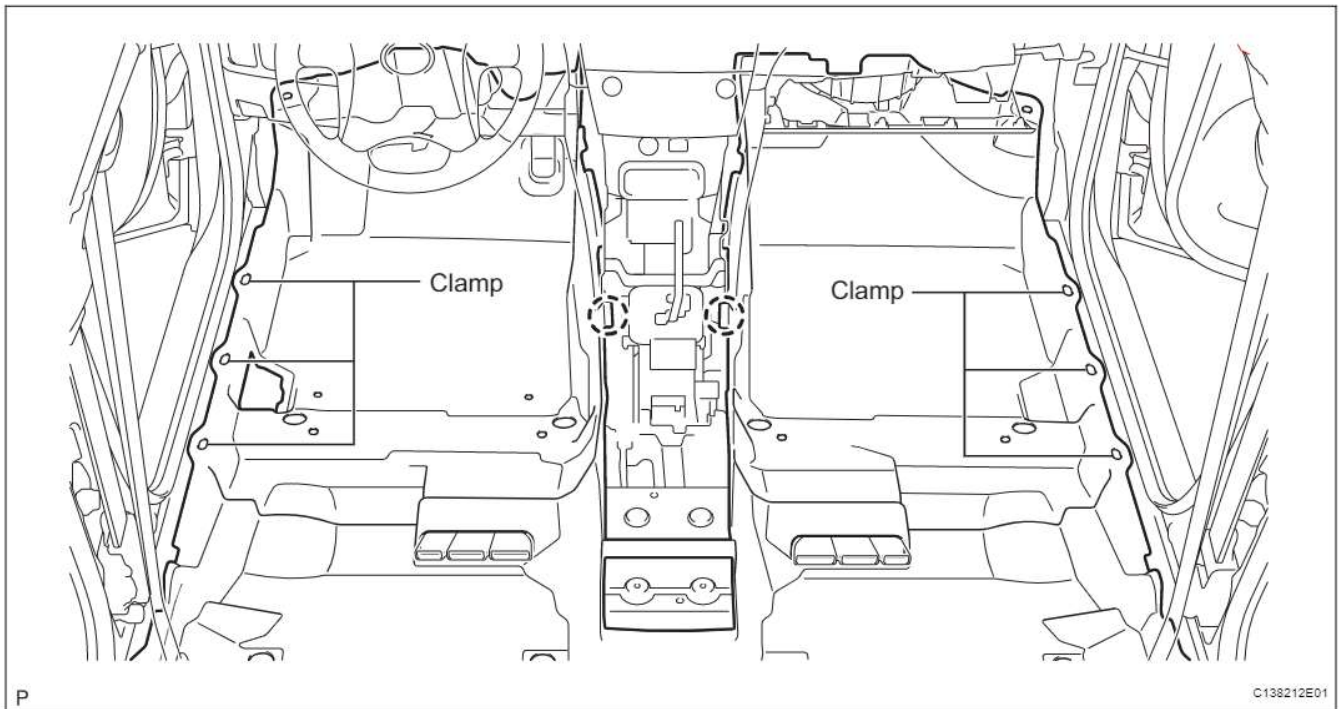
- (a) Install the cross member floor No. 4 reinforcement sub-assembly with the 8 bolts.

Torque: 19 N*m (194 kgf*cm, 14 ft.*lbf)

PB

PARKING BRAKE – PARKING BRAKE CABLE**PB-33****20. INSTALL FRONT FLOOR CARPET ASSEMBLY**

- (a) Engage the 6 clamps and 2 claws and install the front floor carpet assembly.

**21. INSTALL LUGGAGE DOOR LOCK OPENER ASSEMBLY**

- (a) Engage the claw and install the luggage door lock opener assembly with the screw.

22. INSTALL LOWER CENTER PILLAR GARNISH LH (See page [IR-40](#))**23. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH (See page [IR-43](#))****24. INSTALL REAR DOOR SCUFF PLATE LH (See page [IR-43](#))****25. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP LH (See page [IR-41](#))****26. INSTALL LOWER CENTER PILLAR GARNISH RH (See page [IR-41](#))****27. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH (See page [IR-43](#))****28. INSTALL REAR DOOR SCUFF PLATE RH (See page [IR-43](#))****29. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP RH (See page [IR-42](#))****30. INSTALL NO. 1 PARKING BRAKE CABLE ASSEMBLY (See page [PB-11](#))****PB**

PB-34**PARKING BRAKE – PARKING BRAKE CABLE**

31. INSTALL PARKING BRAKE PEDAL ASSEMBLY

HINT:

Refer to the procedures up to "INSTALL PARKING BRAKE PEDAL". (See page [PB-12](#))

32. INSTALL FRONT SEAT ASSEMBLY LH

HINT:

Refer to the procedures up to "INSTALL FRONT SEAT ASSEMBLY (for Power Seat)". (See page [SE-38](#))

33. INSTALL FRONT SEAT ASSEMBLY RH (for Manual Seat)

HINT:

Refer to the procedures up to "INSTALL FRONT SEAT ASSEMBLY (for Manual Seat)". (See page [SE-23](#))

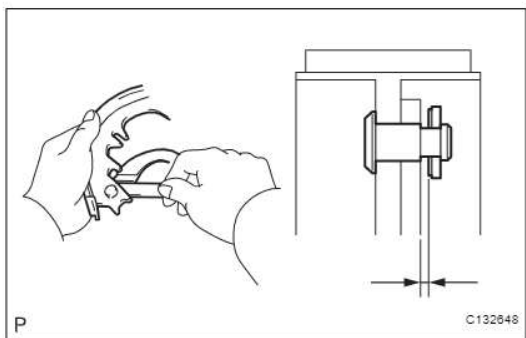
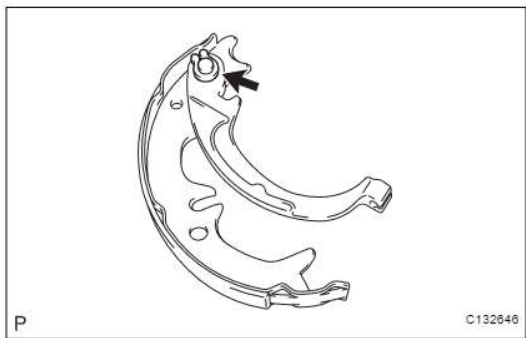
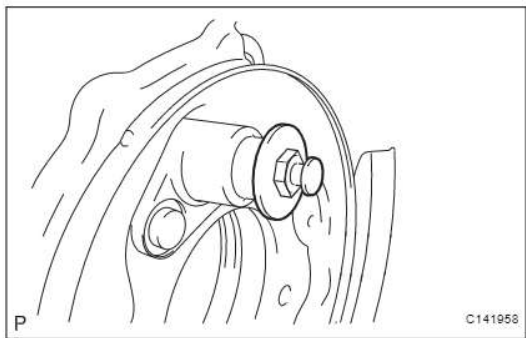
34. INSTALL FRONT SEAT ASSEMBLY RH (for Power Seat)

HINT:

Use the same procedures for the RH side and the LH side.

REASSEMBLY

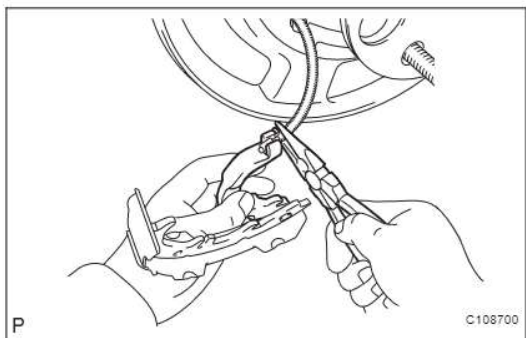
1. APPLY HIGH TEMPERATURE GREASE
- (a) Apply high temperature grease to the backing plate which makes contact with the shoe.
2. INSTALL PARKING BRAKE SHOE GUIDE PLATE
- (a) Apply adhesive to the threads of the parking brake shoe guide plate set bolt.
- Adhesive:
- Toyota Genuine Adhesive 1344, Three Bond 1344 or equivalent
- (b) Install the parking brake shoe guide plate with the parking brake shoe guide plate set bolt.
- Torque: 18 N*m (184 kgf*cm, 13 ft.*lbf)

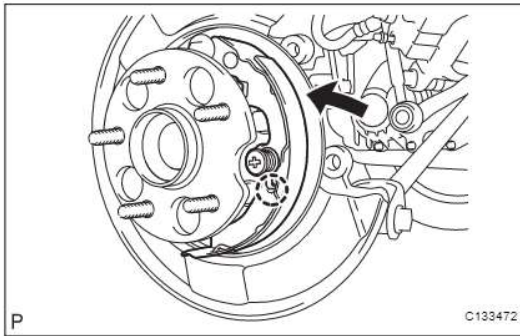


3. INSTALL PARKING BRAKE SHOE LEVER
- (a) Install the parking brake shoe lever and shim to the No. 2 parking brake shoe assembly with a new C-washer.
- (b) Using a feeler gauge, measure the clearance between the No. 2 parking brake shoe assembly and parking brake shoe lever.
- Standard clearance:
- Less than 0.35 mm (0.014 in.)
- If the clearance is not as specified, replace the shim with one of the correct size.

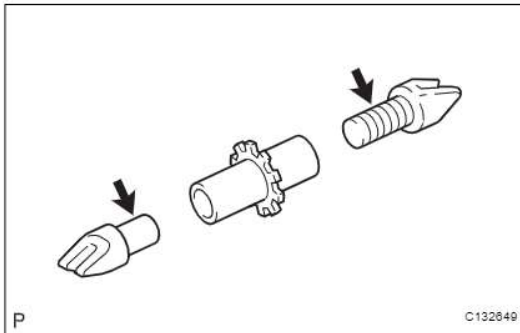
Shim Thickness	Shim Thickness
0.3 mm (0.012 in.)	0.9 mm (0.035 in.)
0.6 mm (0.024 in.)	-

4. INSTALL NO. 2 PARKING BRAKE SHOE ASSEMBLY
- (a) Using needle-nose pliers, connect the No. 3 parking brake cable assembly to the parking brake shoe lever.

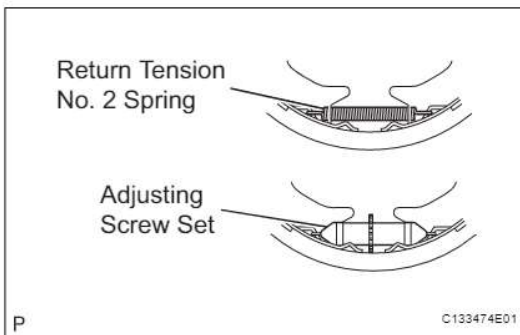


PARKING BRAKE – PARKING BRAKE ASSEMBLY**PB-39**

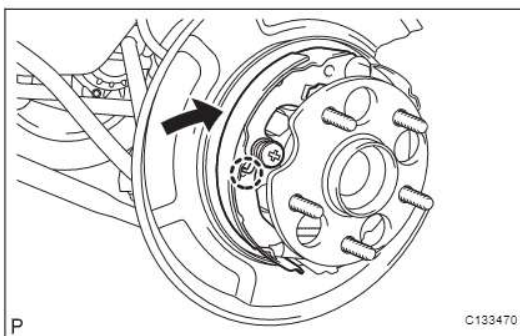
- (b) Install the No. 2 parking brake shoe assembly with the parking brake shoe hold down spring No. 2 pin, the parking brake shoe hold down spring No. 2 cup, the parking brake shoe hold down spring and the parking brake shoe hold down spring No. 1 cup.
- (c) Engage the claw of the parking brake shoe hold down spring No. 1 cup to the No. 2 parking brake shoe assembly.

5. INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET

- (a) Apply high temperature grease to the parking brake adjusting screw as shown in the illustration.



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

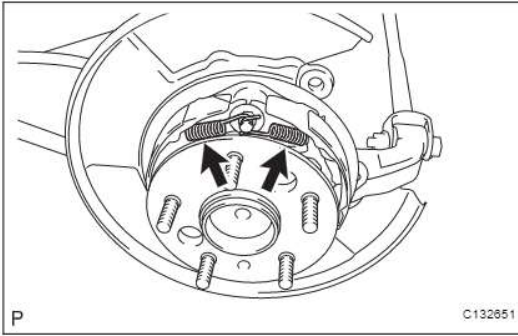
**6. INSTALL NO. 1 PARKING BRAKE SHOE ASSEMBLY**

- (a) Install the No. 1 parking brake shoe assembly with the parking brake shoe hold down spring No. 1 pin, parking brake shoe hold down spring No. 2 cup, parking brake shoe hold down spring and parking brake shoe hold down spring No. 1 cup.
- (b) Engage the claw of the parking brake shoe hold down spring No. 1 cup to the No. 1 parking brake shoe assembly.

7. INSTALL PARKING BRAKE SHOE STRUT

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

PB

PB-40**PARKING BRAKE – PARKING BRAKE ASSEMBLY****8. INSTALL PARKING BRAKE SHOE RETURN TENSION NO. 1 SPRING**

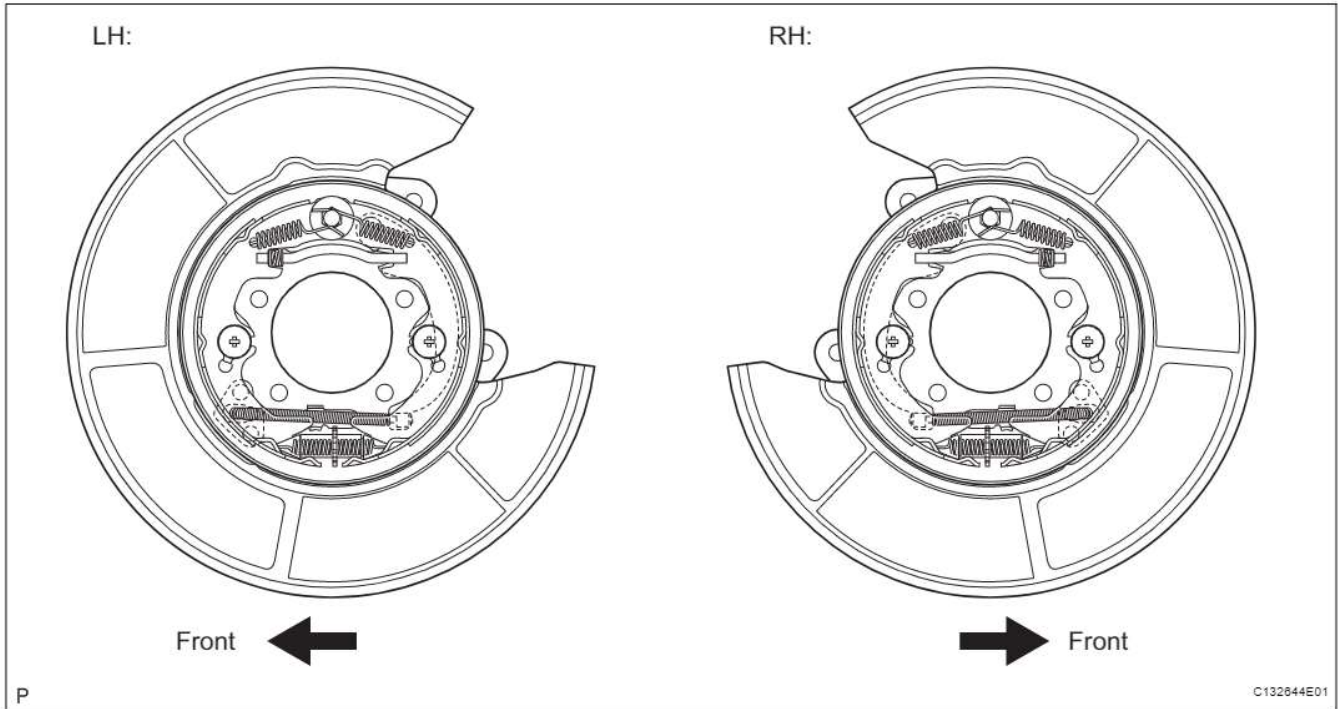
- (a) Using needle-nose pliers, install the 2 parking brake shoe return tension No. 1 springs.

HINT:

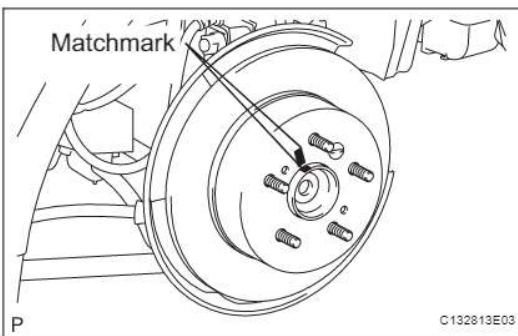
First install the front side spring and then the rear side spring.

9. CHECK PARKING BRAKE INSTALLATION

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

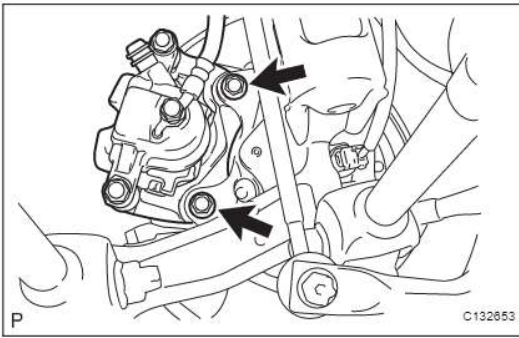
**NOTICE:**

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

**10. INSTALL REAR DISC**

- (a) Align the matchmarks and install the rear disc.

11. ADJUST PARKING BRAKE SHOE CLEARANCE (See page PB-1)

PARKING BRAKE – PARKING BRAKE ASSEMBLY**PB-41**

- 12. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY**
 - (a) Install the rear disc brake caliper assembly with the 2 bolts.
Torque: 62 N*m (632 kgf*cm, 46 ft.*lbf)
- 13. INSTALL REAR WHEEL**
Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)
- 14. INSPECT PARKING BRAKE PEDAL TRAVEL (See page [PB-1](#))**
- 15. ADJUST PARKING BRAKE PEDAL TRAVEL (See page [PB-1](#))**

PB

PARKING BRAKE SYSTEM

PROBLEM SYMPTOMS TABLE

Use the table below to help determine 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	Suspected Area	See page
Brake drag	1. Parking brake pedal travel (Out of adjustment)	PB-1
	2. Parking brake wire (Sticking) [No. 1 cable]	PB-24
	3. Parking brake wire (Sticking) [No. 2/No. 3 cable]	PB-24
	4. Parking brake shoe clearance (Out of adjustment)	PB-1
	5. Parking brake shoe lining (Cracked or distorted)	PB-35
	6. Tension or return spring (Damaged)	PB-35

PB-2

PARKING BRAKE – PARKING BRAKE SYSTEM

ADJUSTMENT

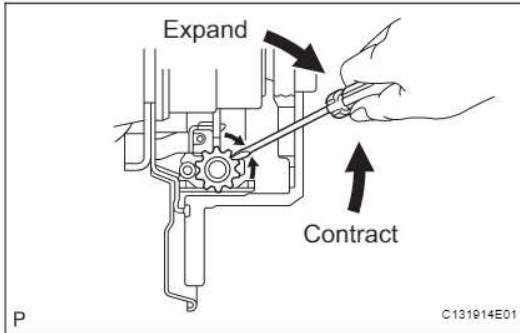
1. REMOVE REAR WHEEL

2. ADJUST PARKING BRAKE SHOE CLEARANCE

- Temporarily install the hub nuts.
- Remove the shoe adjusting hole plug.
- Turn the shoe adjuster and expand the shoe until the disc locks.
- Turn and contract the shoe adjuster until the disc can rotate smoothly.

Standard:**Return 8 notches.**

- Check that there is no brake drag against the shoe.
- Install the shoe adjusting hole plug.
- Remove the hub nuts.



3. INSTALL REAR WHEEL

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

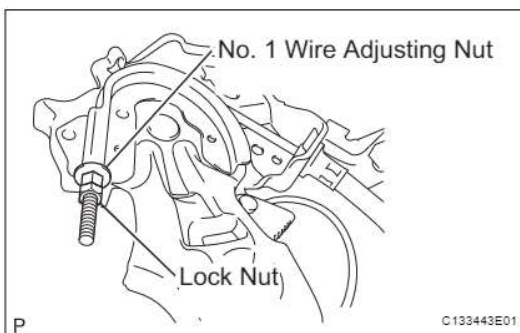
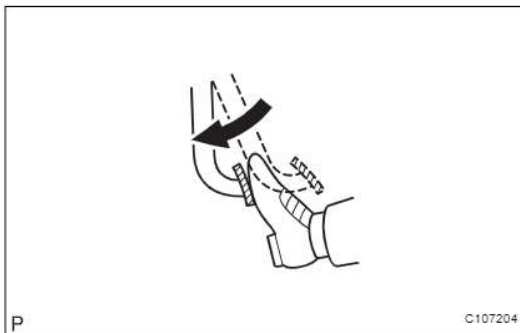
4. INSPECT PARKING BRAKE PEDAL TRAVEL

- Fully depress the parking brake pedal and release it to engage the parking brake.
- Depress the pedal to the floor again, and release it to disengage the parking brake.
- Slowly depress the parking brake pedal to the floor, and count the number of clicks.

Parking brake pedal travel:**7 to 10 notches at 300 N (31 kgf, 67 lbf)**

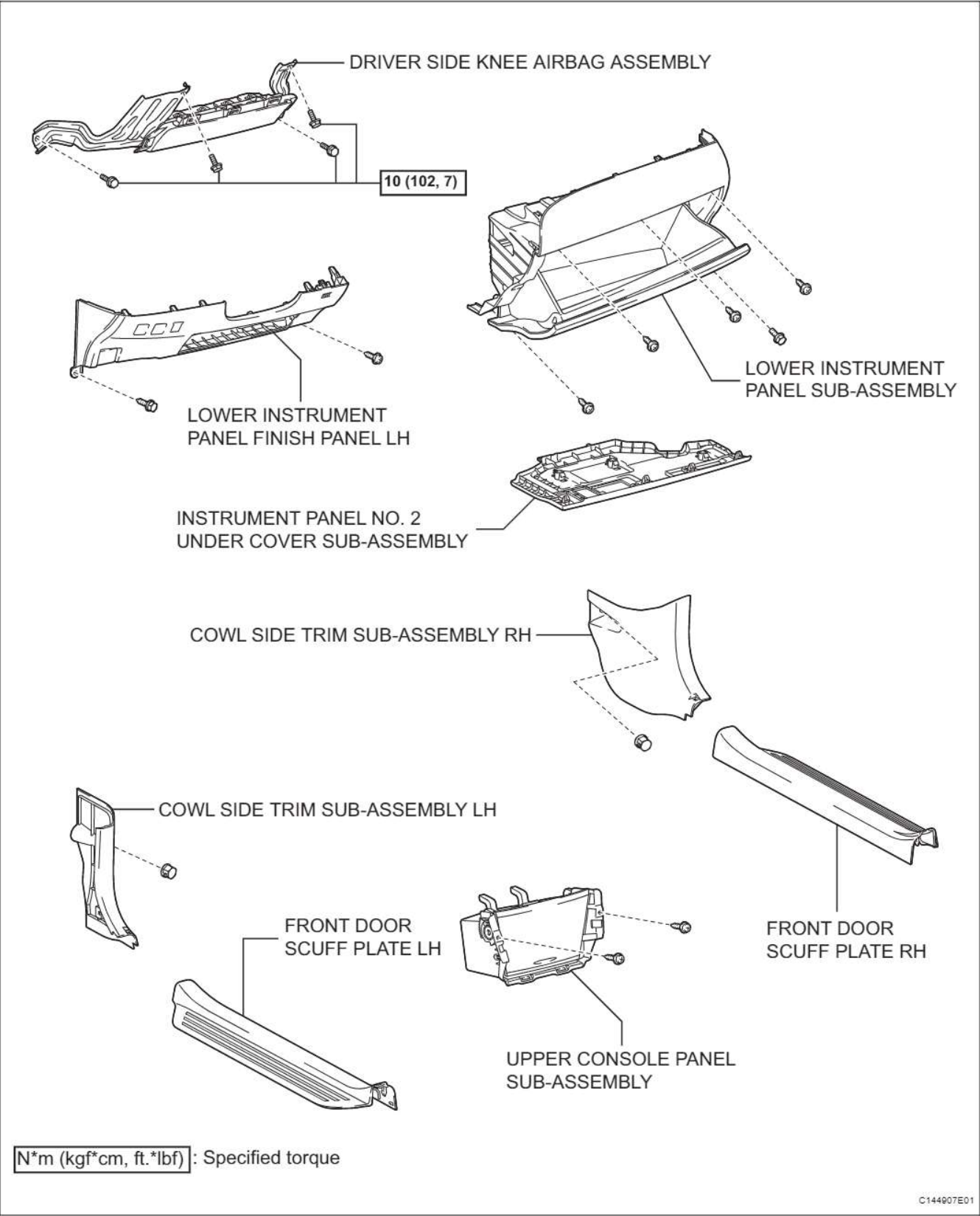
5. ADJUST PARKING BRAKE PEDAL TRAVEL

- Depress the parking brake pedal. Hold the No. 1 wire adjusting nut using a wrench and loosen the lock nut.
- Release the parking brake pedal.
- Turn the No. 1 wire adjusting nut until the parking brake pedal travel meets the above specification.
- Hold the No. 1 wire adjusting nut using a wrench or an equivalent tool and tighten the lock nut.
- Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)**
- Count the number of clicks after depressing and releasing the parking brake pedal 3 or 4 times.
- Check whether the parking brake drags.
- When operating the parking brake pedal, check that the parking brake indicator light comes on.



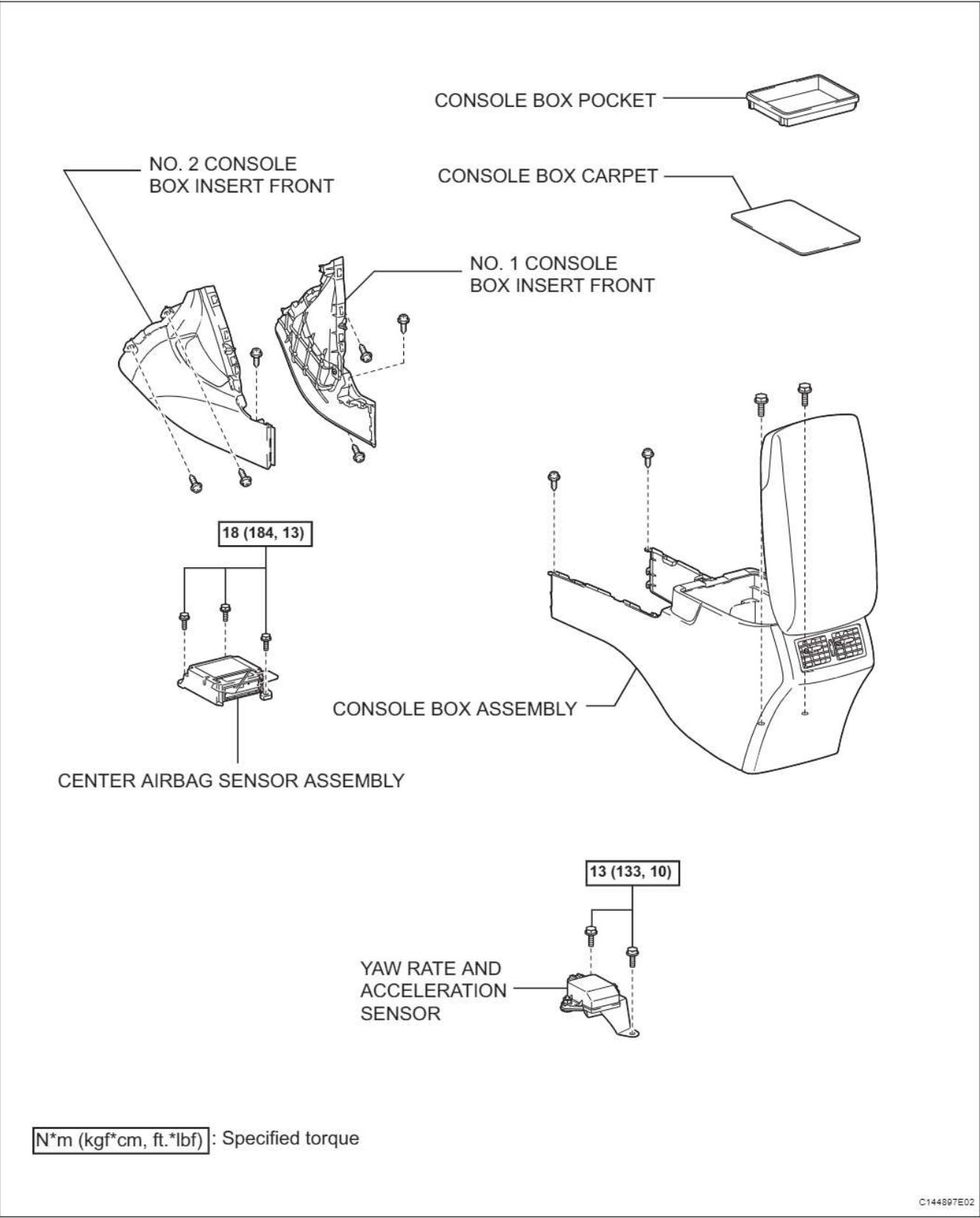
PARKING BRAKE – PARKING BRAKE PEDAL

PARKING BRAKE PEDAL
COMPONENTS



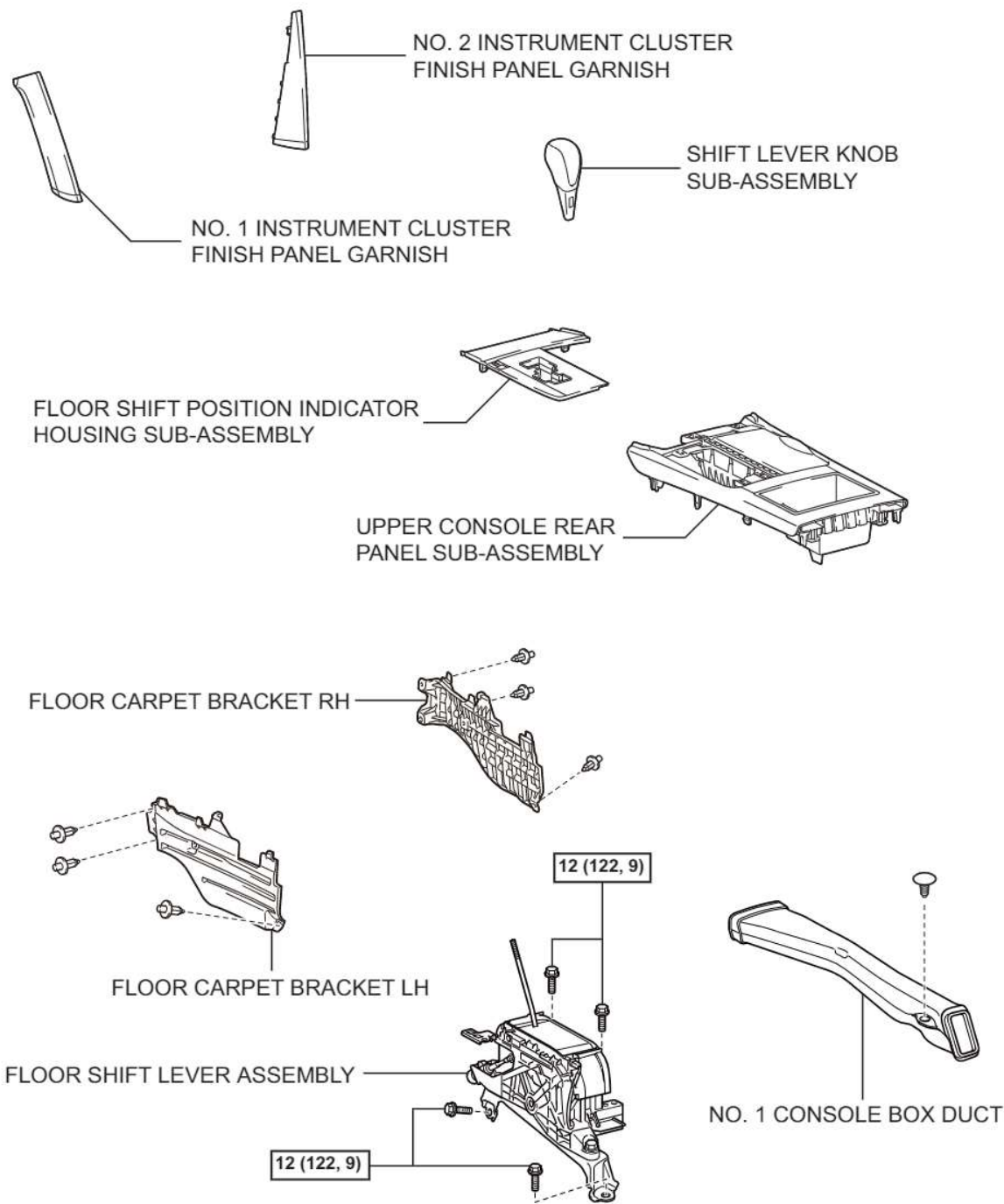
PB-4

PARKING BRAKE – PARKING BRAKE PEDAL



PARKING BRAKE – PARKING BRAKE PEDAL

PB-5

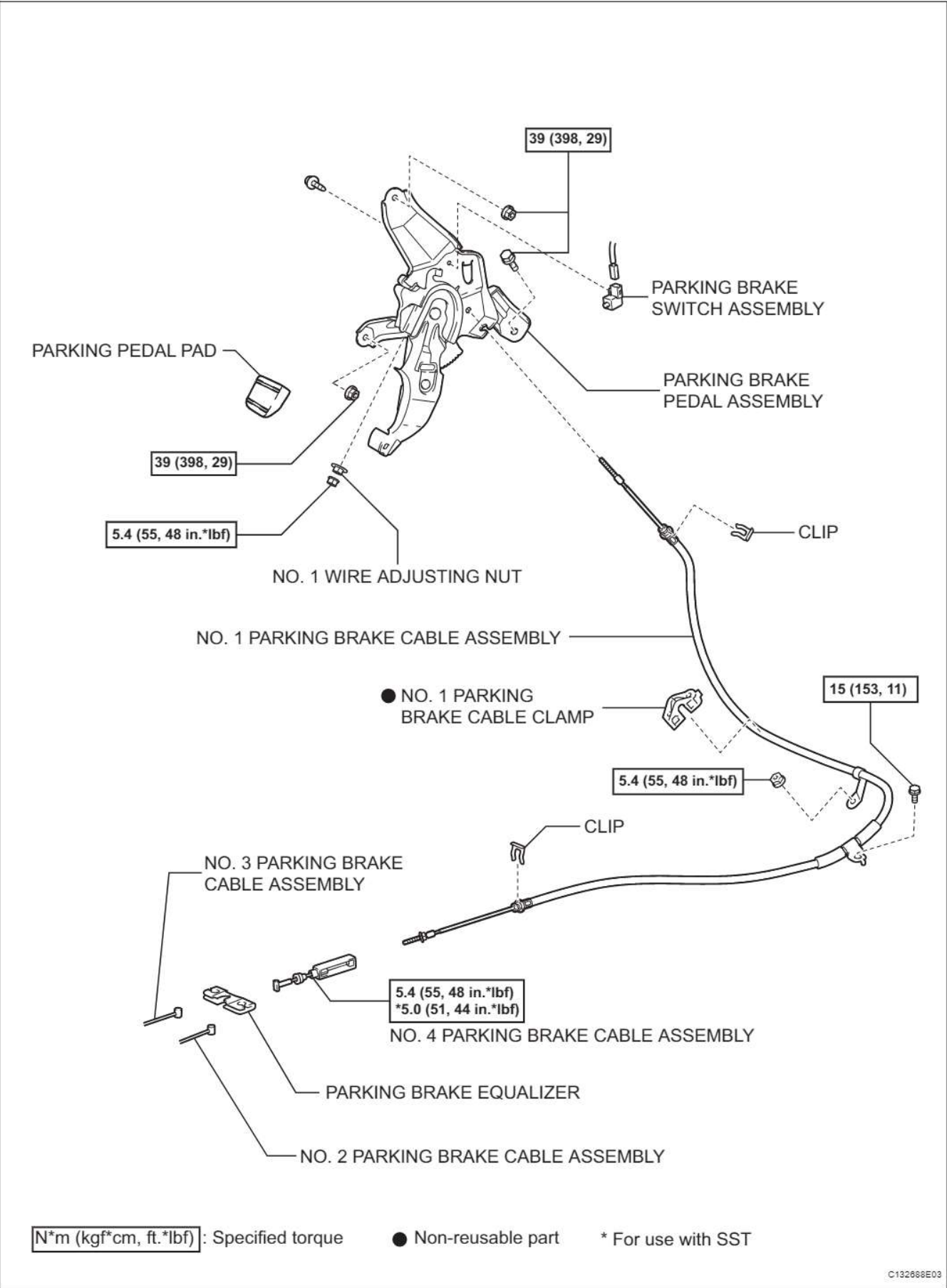


12 (122, 9): Specified torque

PB

PB-6

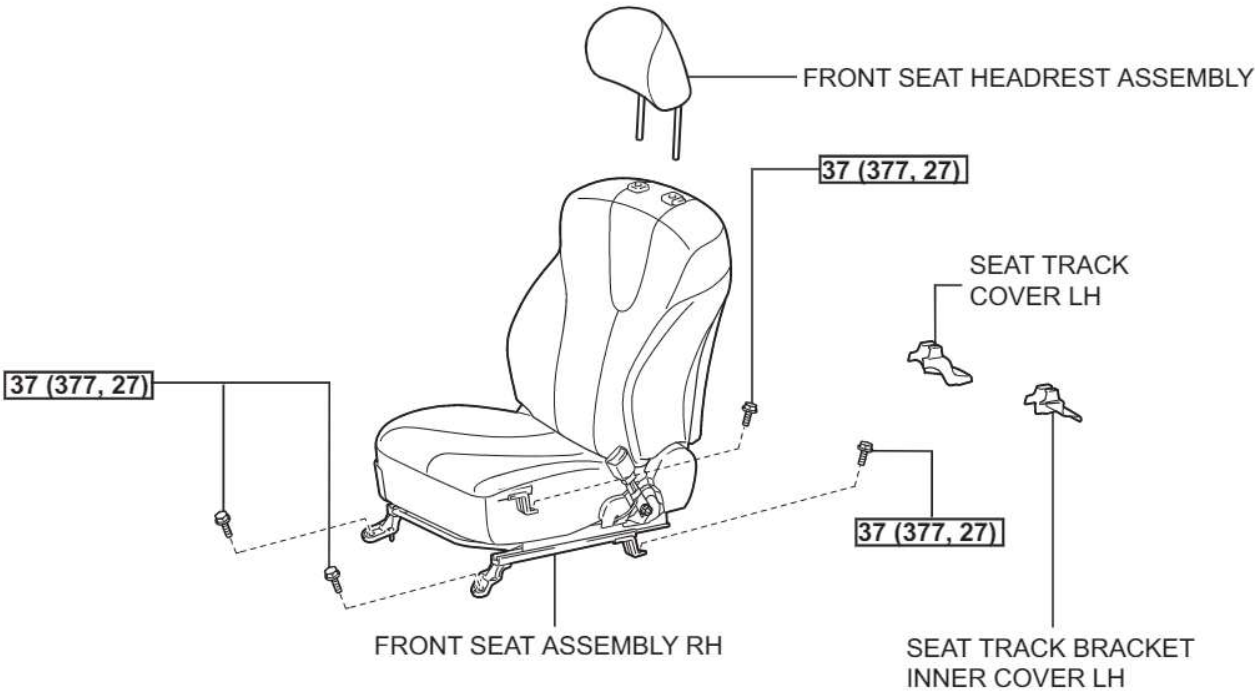
PARKING BRAKE – PARKING BRAKE PEDAL



PARKING BRAKE CABLE

COMPONENTS

for Manual Seat:



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

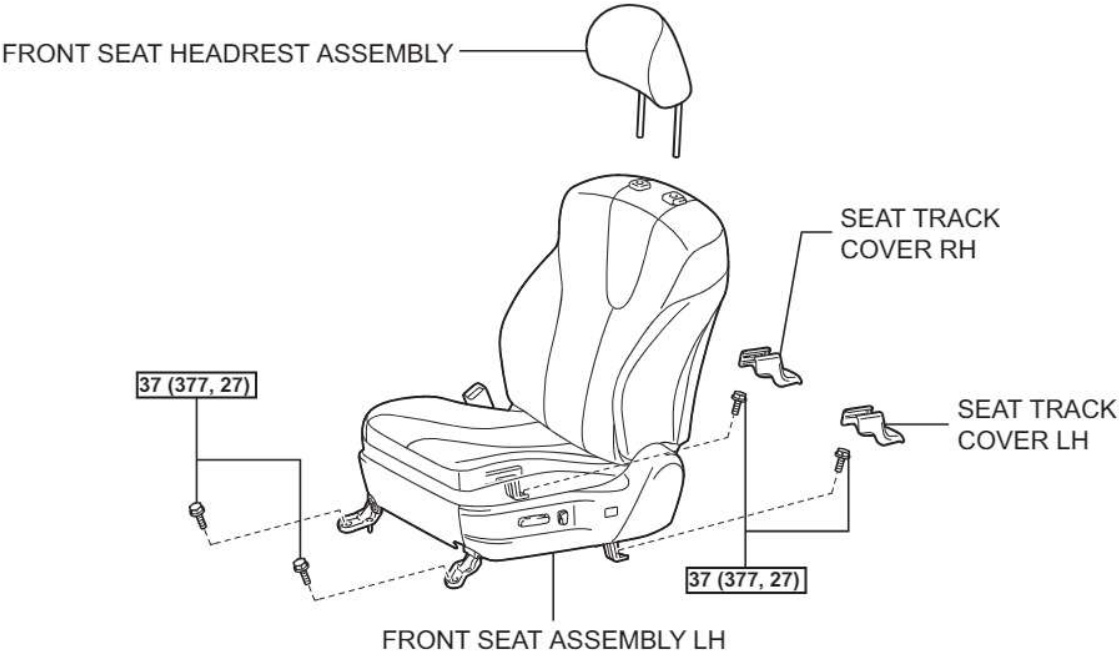
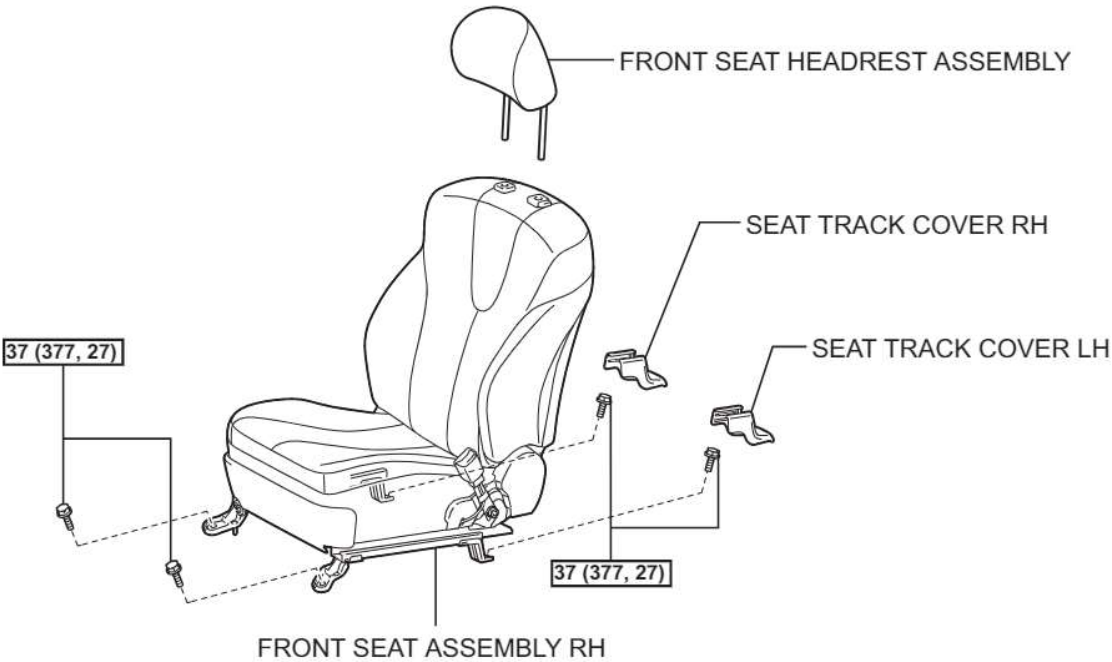
P

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PB-16

PARKING BRAKE – PARKING BRAKE CABLE

for Power Seat:



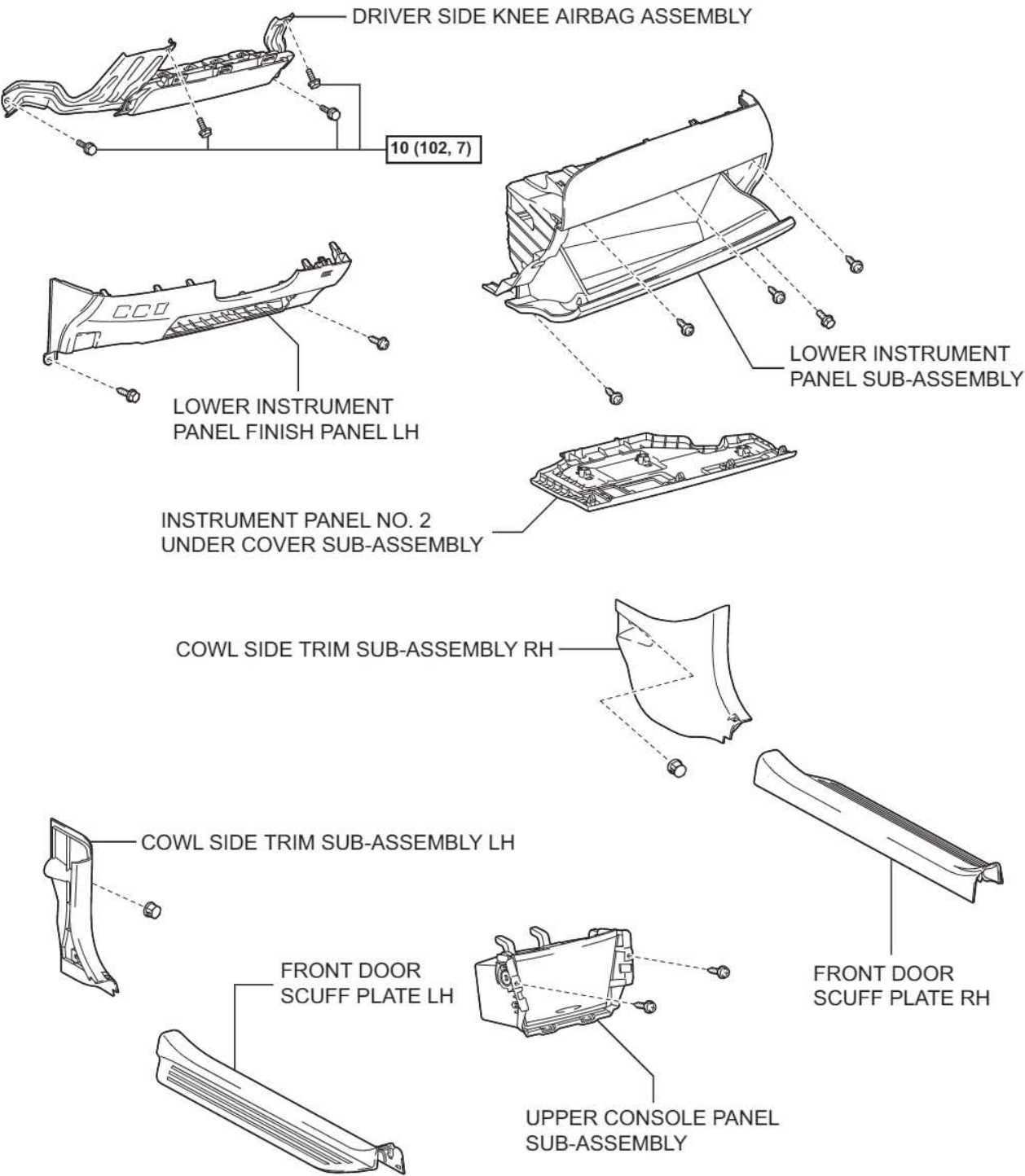
N*m (kgf*cm, ft.*lbf) : Specified torque

P

B132047E08

PARKING BRAKE – PARKING BRAKE CABLE

PB-17



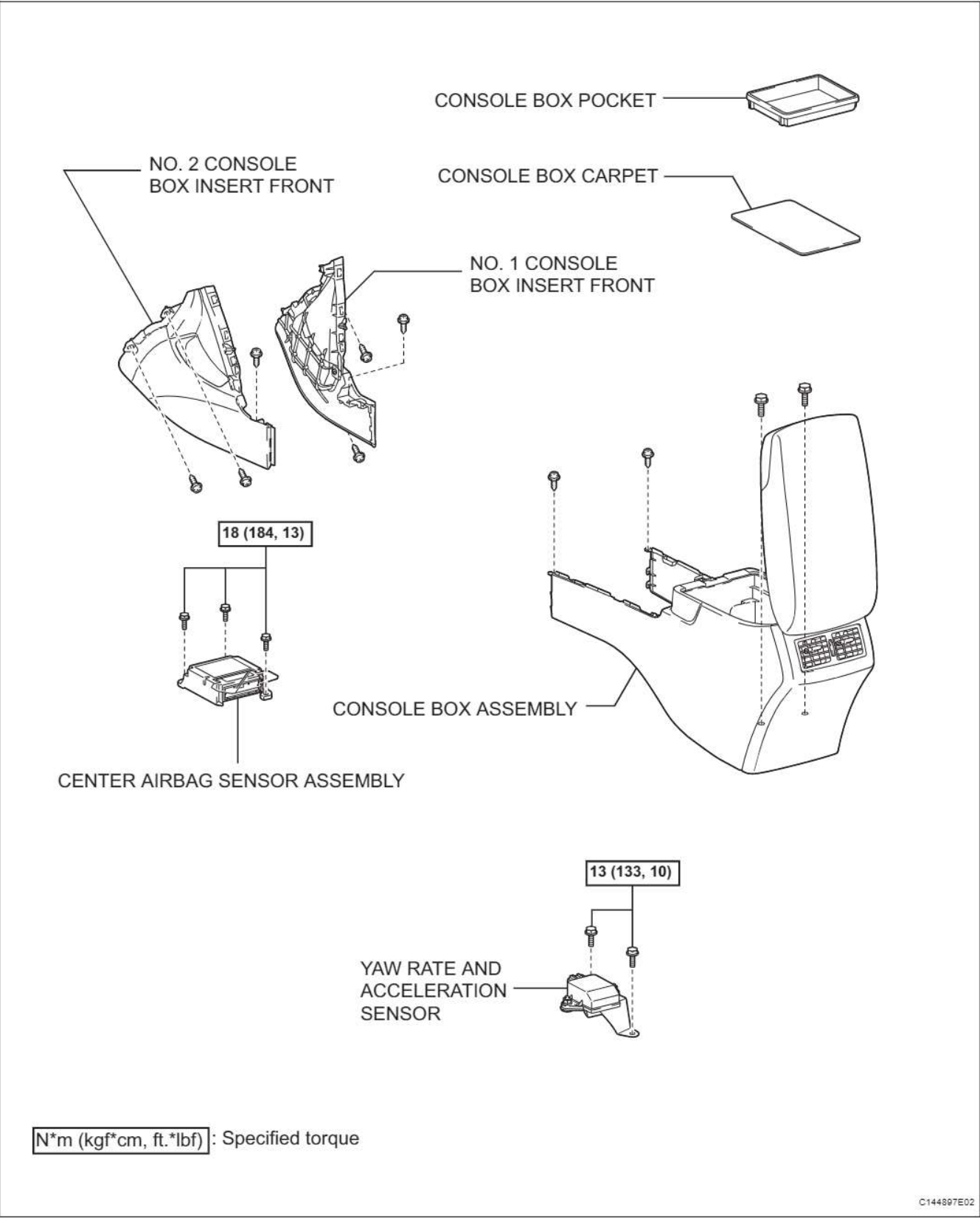
N*m (kgf*cm, ft.*lbf) : Specified torque

C144907E01

PB

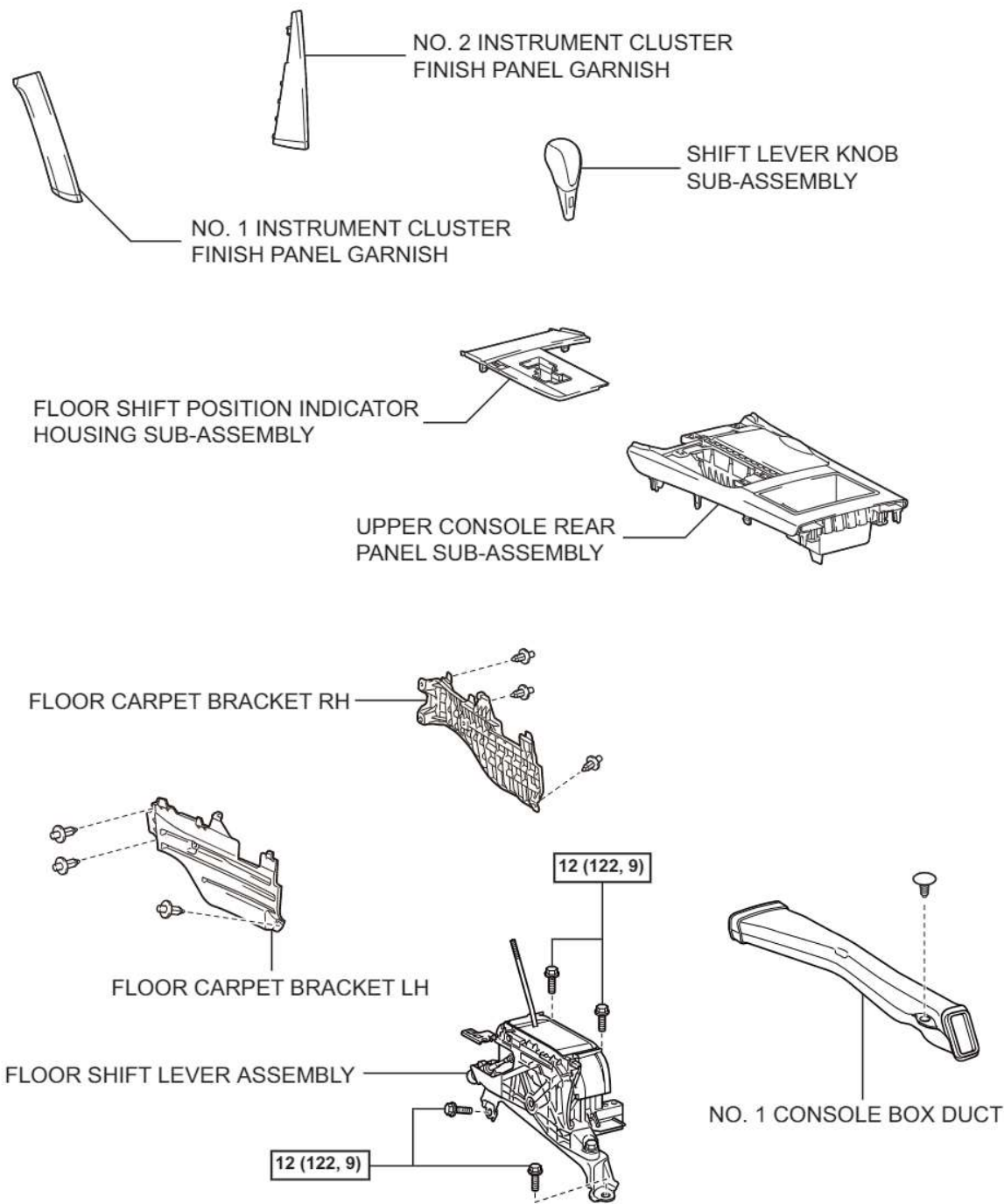
PB-18

PARKING BRAKE – PARKING BRAKE CABLE



PARKING BRAKE – PARKING BRAKE CABLE

PB-19

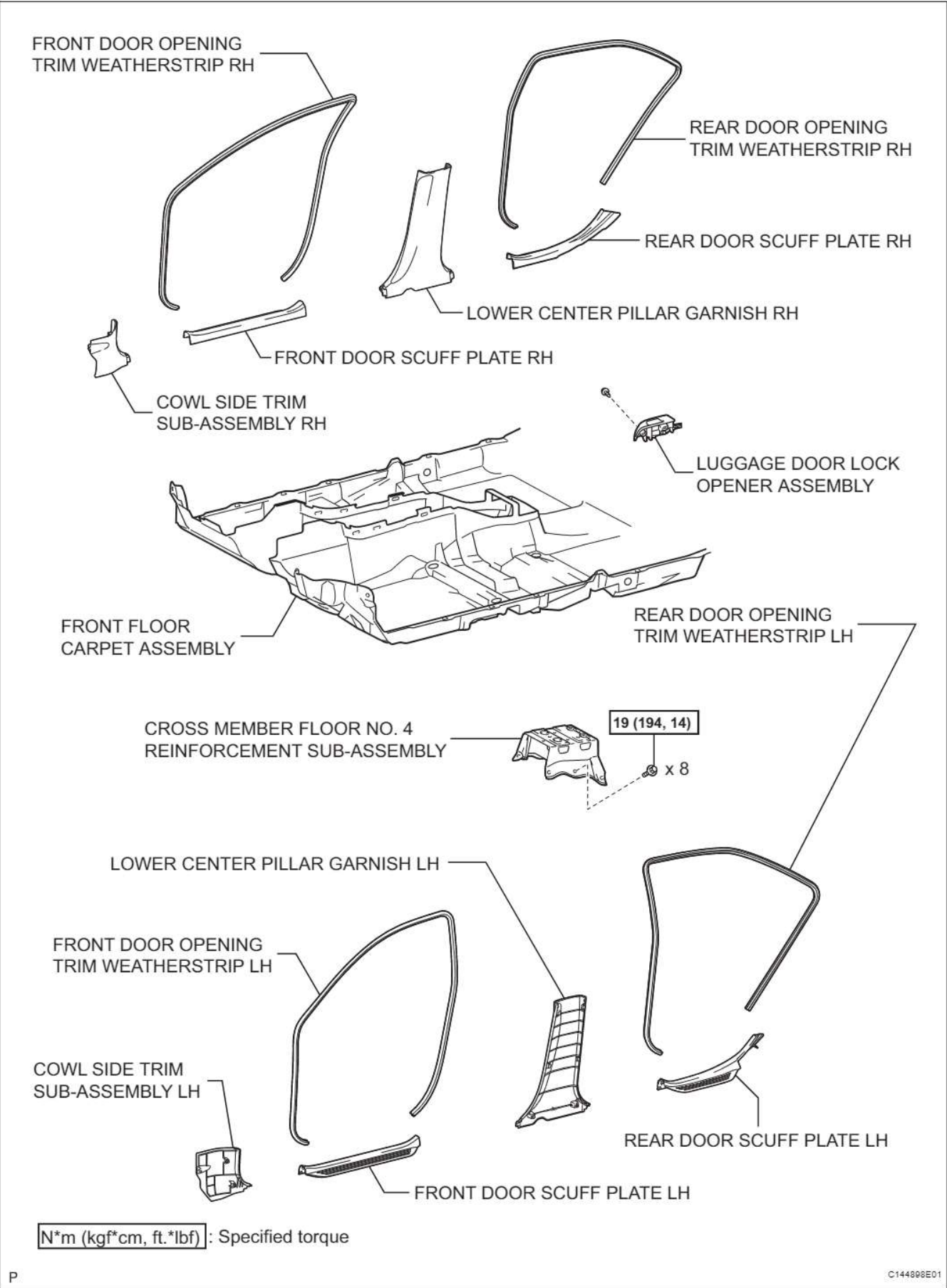


12 (122, 9): Specified torque

PB

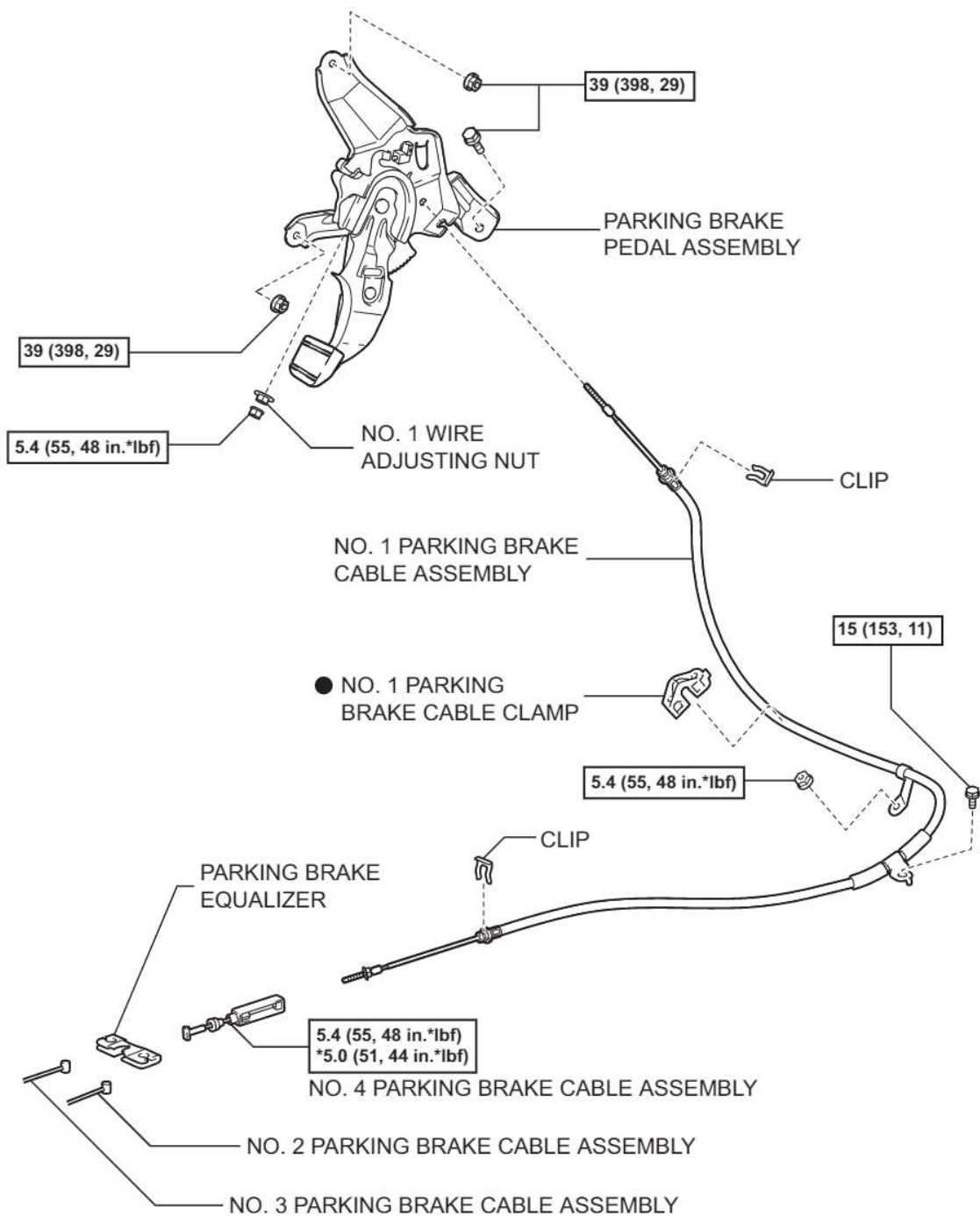
C138209E01

PB-20 PARKING BRAKE – PARKING BRAKE CABLE



PARKING BRAKE – PARKING BRAKE CABLE

PB-21



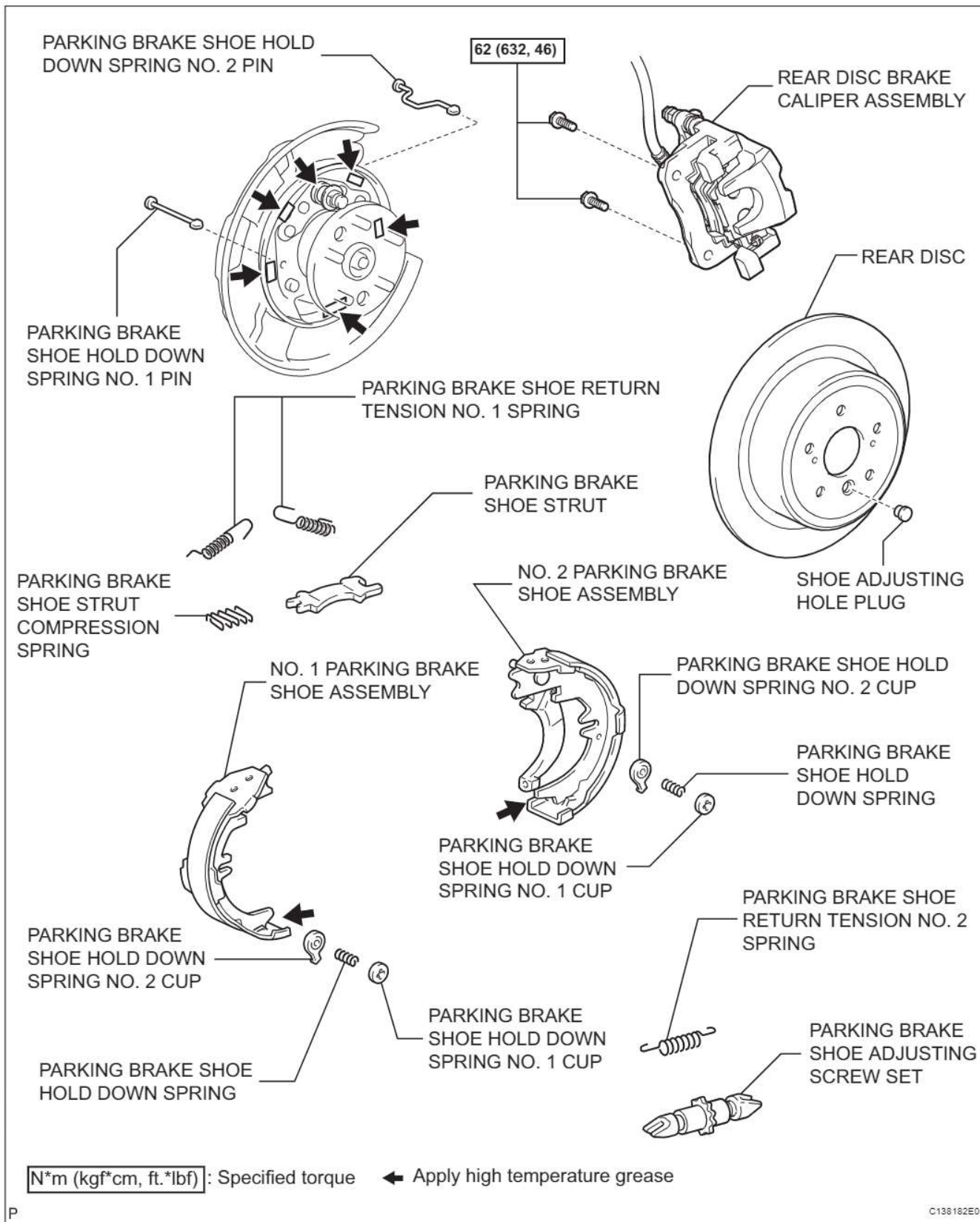
N*m (kgf*cm, ft.*lbf) : Specified torque ● Non-reusable part * For use with SST

C138179E02

PB

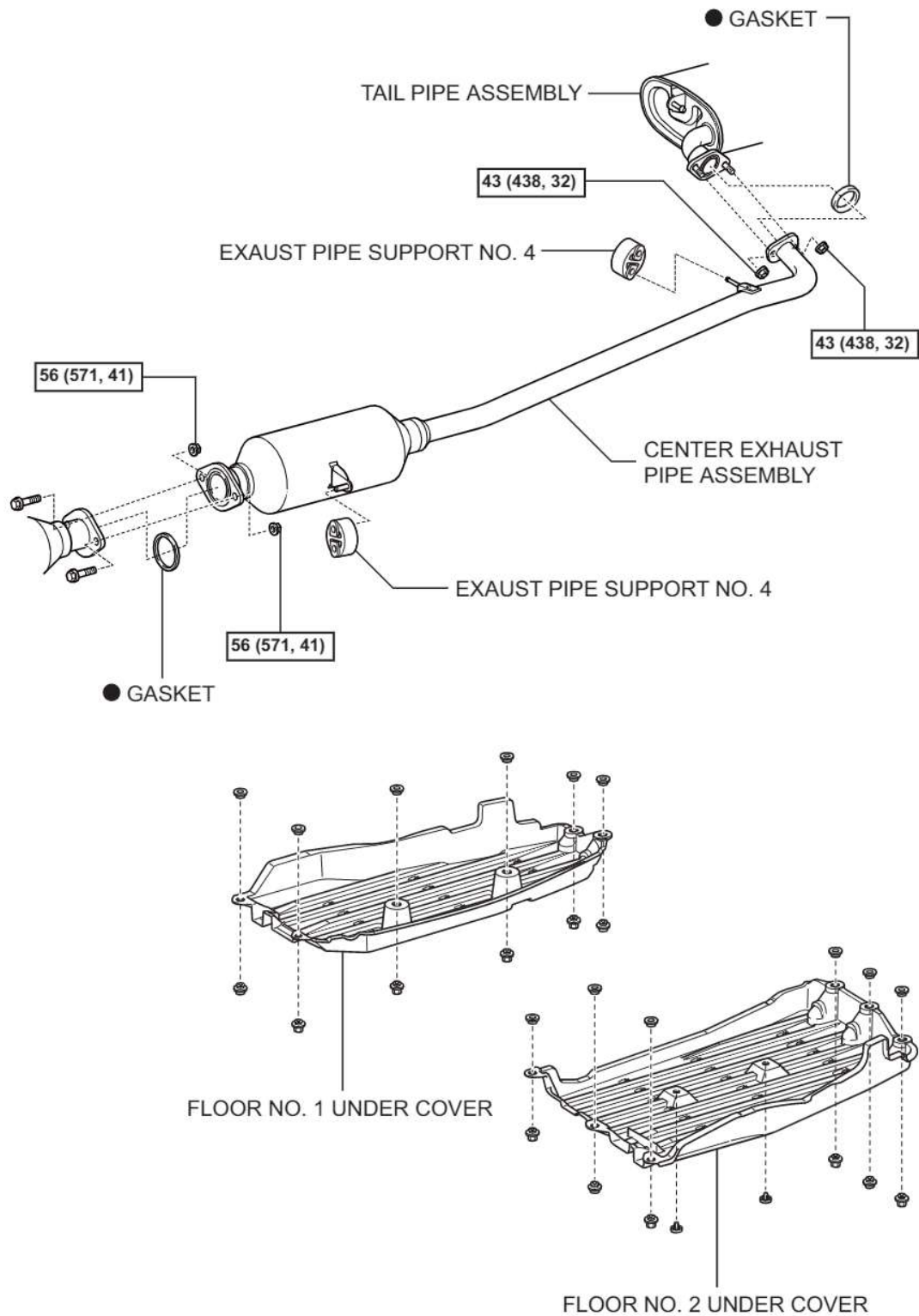
PB-22

PARKING BRAKE – PARKING BRAKE CABLE



PARKING BRAKE – PARKING BRAKE CABLE

PB-23



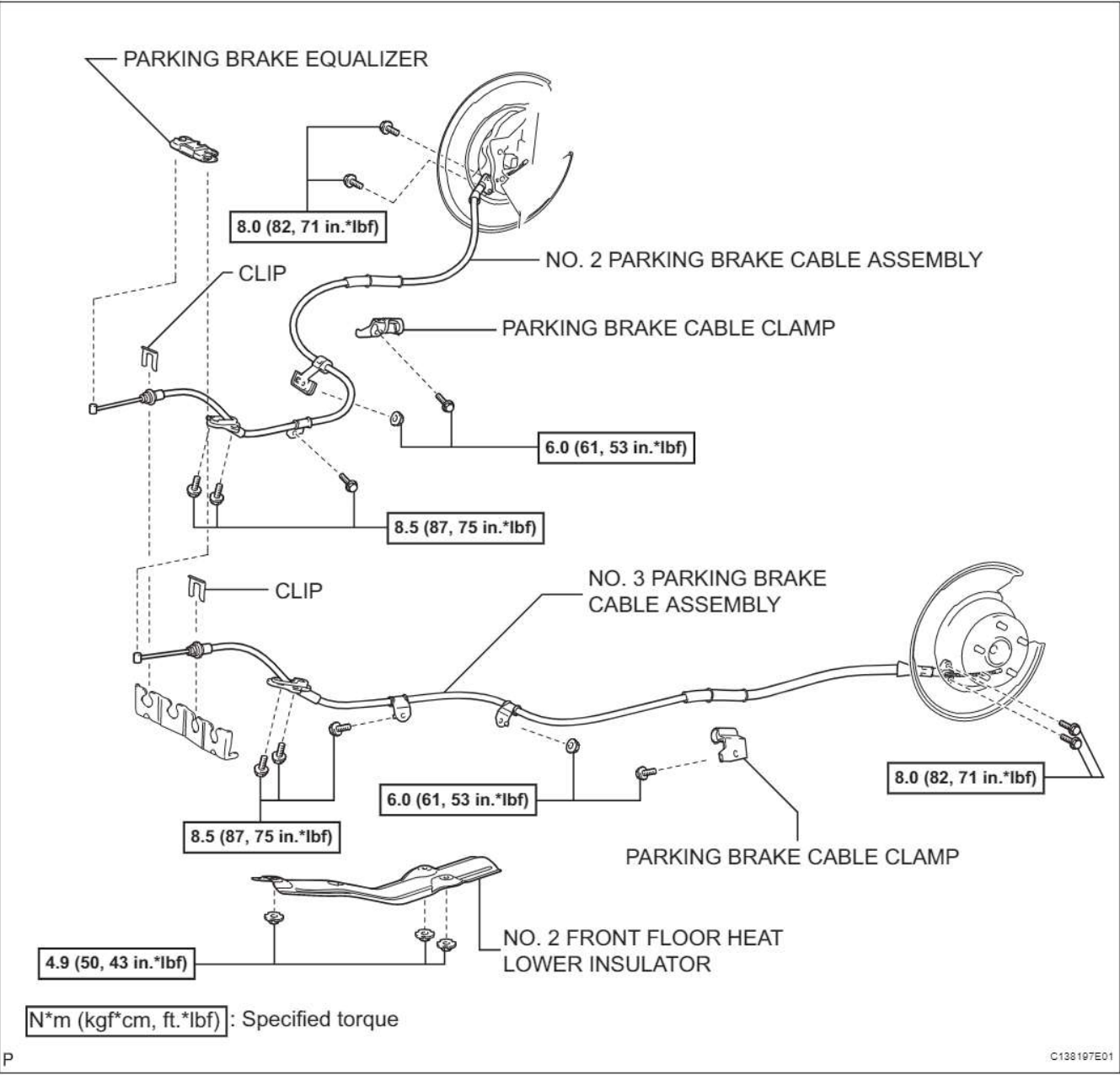
N*m (kgf*cm, ft.*lbf) : Specified torque ● Non-reusable part

C138208E01

PB

PB-24

PARKING BRAKE – PARKING BRAKE CABLE



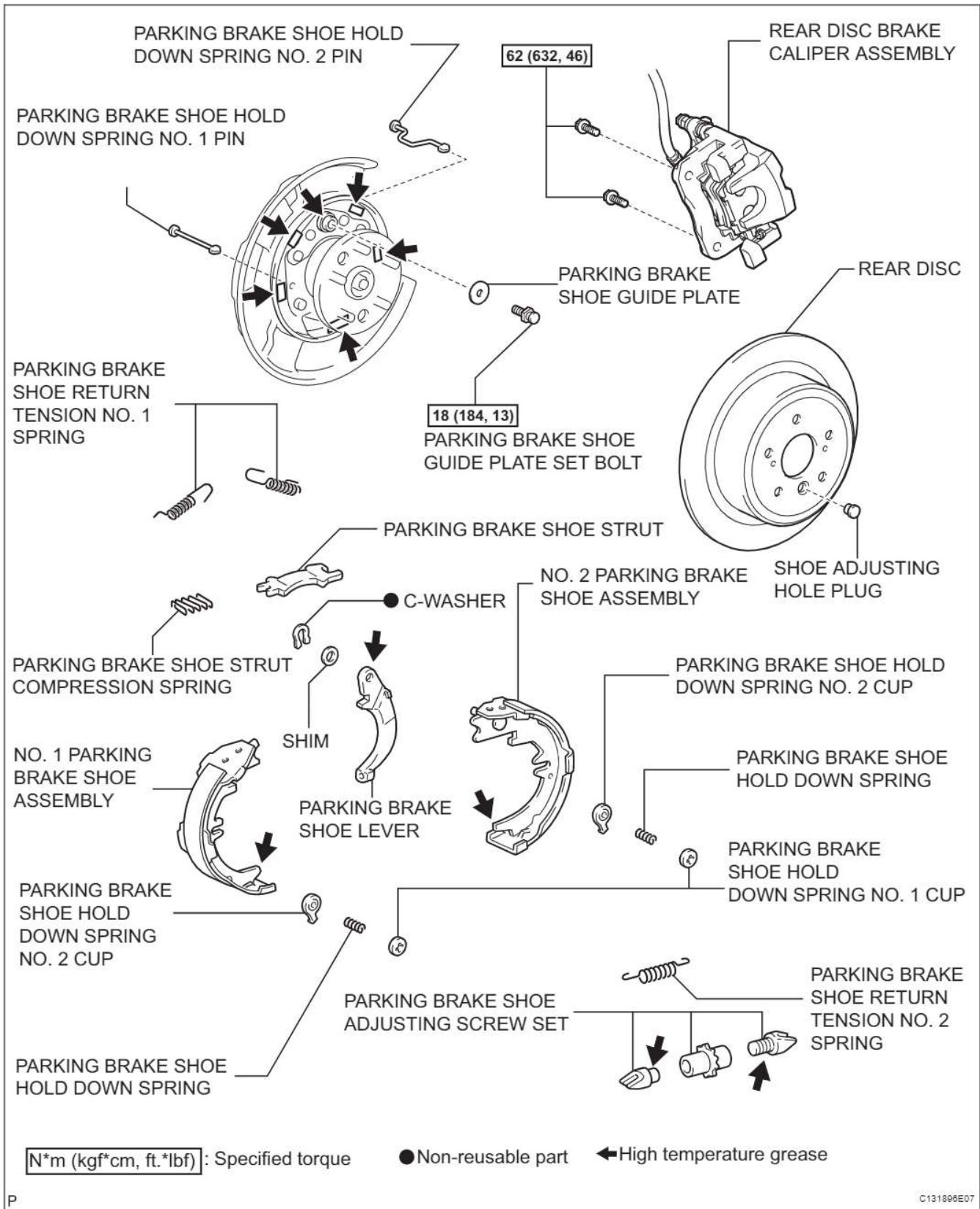
PB

PB-34

PARKING BRAKE – PARKING BRAKE ASSEMBLY

PARKING BRAKE ASSEMBLY

COMPONENTS



PARKING BRAKE – PARKING BRAKE ASSEMBLY**PB-35****DISASSEMBLY****HINT:**

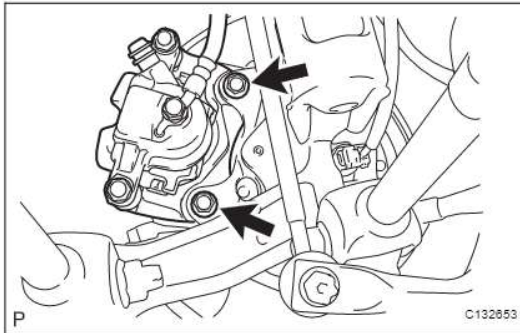
- Use the same procedures for the RH side and the LH side.
- The procedures listed below are for the LH side.

1. REMOVE REAR WHEEL**2. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY**

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

HINT:

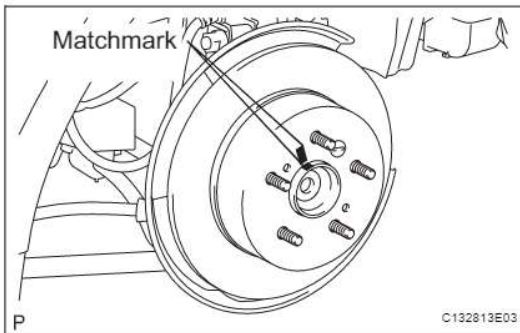
Do not disconnect the flexible hose from the disc brake caliper assembly.

**3. REMOVE REAR DISC**

- (a) Release the parking brake and put matchmarks on the rear disc and the axle hub.
- (b) Remove the rear disc.

HINT:

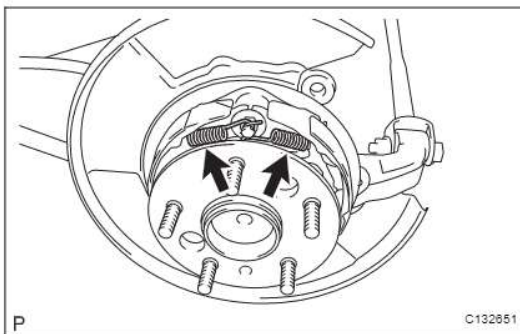
If the disc cannot be removed easily, turn the shoe adjuster until the wheel turns freely.

**4. REMOVE PARKING BRAKE SHOE RETURN TENSION NO. 1 SPRING**

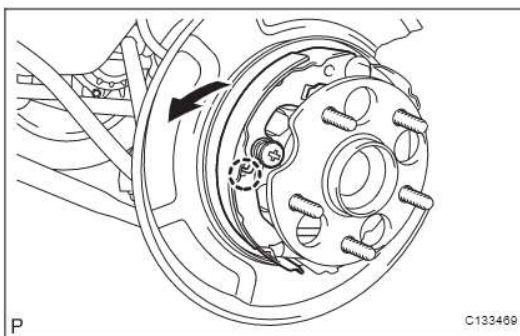
- (a) Using needle-nose pliers, remove the 2 parking brake shoe return tension No. 1 springs.

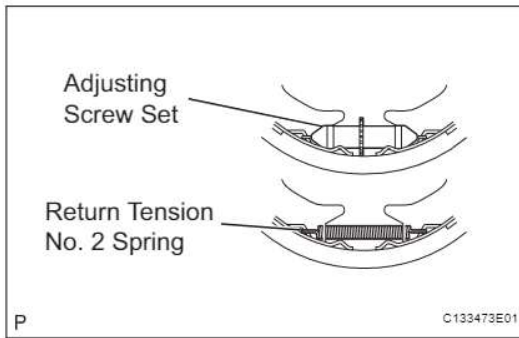
5. REMOVE PARKING BRAKE SHOE STRUT

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

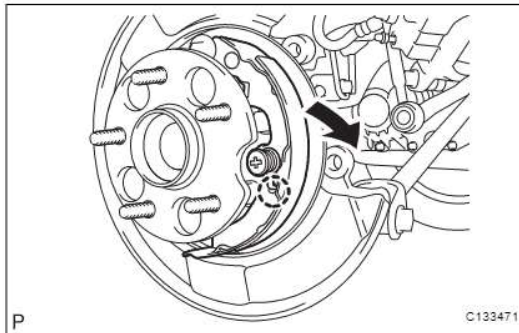
**6. REMOVE NO. 1 PARKING BRAKE SHOE ASSEMBLY**

- (a) Release the claw of the parking brake shoe hold down spring No. 1 cup.
- (b) Remove the No. 1 parking brake shoe assembly as shown in the illustration.
- (c) Remove the parking brake shoe hold down spring No. 1 cup, the parking brake shoe hold down spring, the parking brake shoe hold down spring No. 2 cup, and the parking brake shoe hold down spring No. 1 pin.

**PB**

PB-36**PARKING BRAKE – PARKING BRAKE ASSEMBLY****7. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET**

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

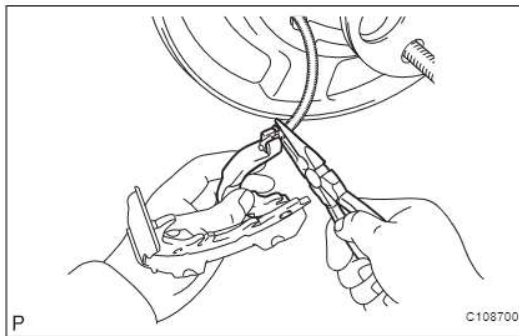
**8. REMOVE NO. 2 PARKING BRAKE SHOE ASSEMBLY**

- (a) Release the claw of the parking brake shoe hold down spring No. 1 cup.
- (b) Remove the No. 2 parking brake shoe assembly as shown in the illustration.
- (c) Remove the parking brake shoe hold down spring No. 1 cup, the parking brake shoe hold down spring, the parking brake shoe hold down spring No. 2 cup, and the parking brake shoe hold down spring No. 2 pin.

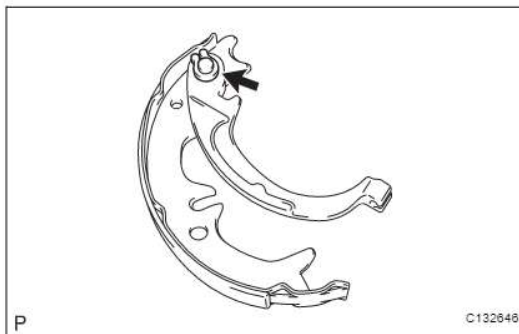
- (d) Using needle-nose pliers, disconnect the No. 3 parking brake cable assembly from the parking brake shoe lever.

NOTICE:

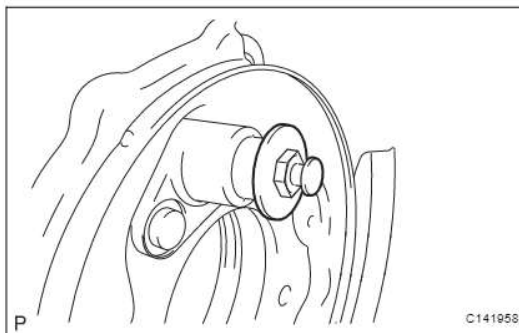
Be careful not to damage the No. 3 parking brake cable assembly.

**9. REMOVE PARKING BRAKE SHOE LEVER**

- (a) Using a screwdriver, remove the C-washer, shim and the parking brake shoe lever.

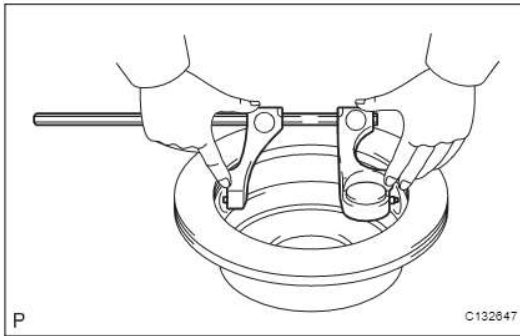
**10. REMOVE PARKING BRAKE SHOE GUIDE PLATE**

- (a) Remove the parking brake shoe guide plate set bolt and the parking brake shoe guide plate.

**PB**

PARKING BRAKE – PARKING BRAKE ASSEMBLY

PB-37



INSPECTION

1. INSPECT BRAKE DISC INSIDE DIAMETER

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

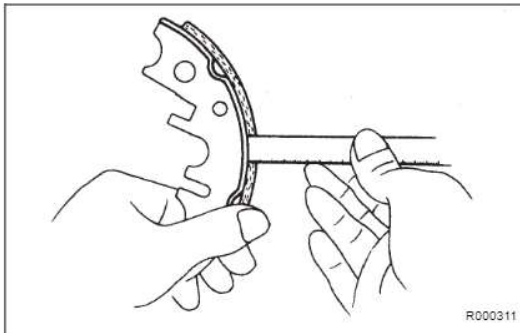
Standard inside diameter:

170 mm (6.69 in.)

Maximum inside diameter:

171 mm (6.73 in.)

If the inside diameter is more than the maximum, replace the disc.



2. INSPECT PARKING BRAKE SHOE LINING THICKNESS

- (a) Using a ruler, measure the thickness of the shoe lining.

Standard thickness:

2.0 mm (0.079 in.)

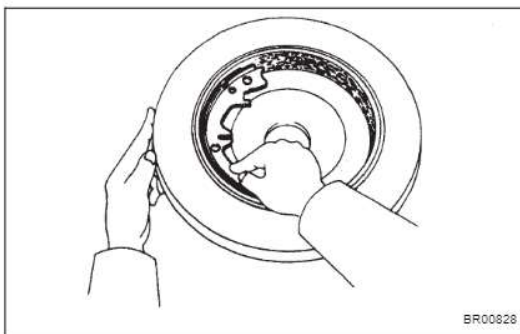
Minimum thickness:

1.0 mm (0.039 in.)

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

NOTICE:

Always replace both the right and left parking brake shoes together.



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

PB