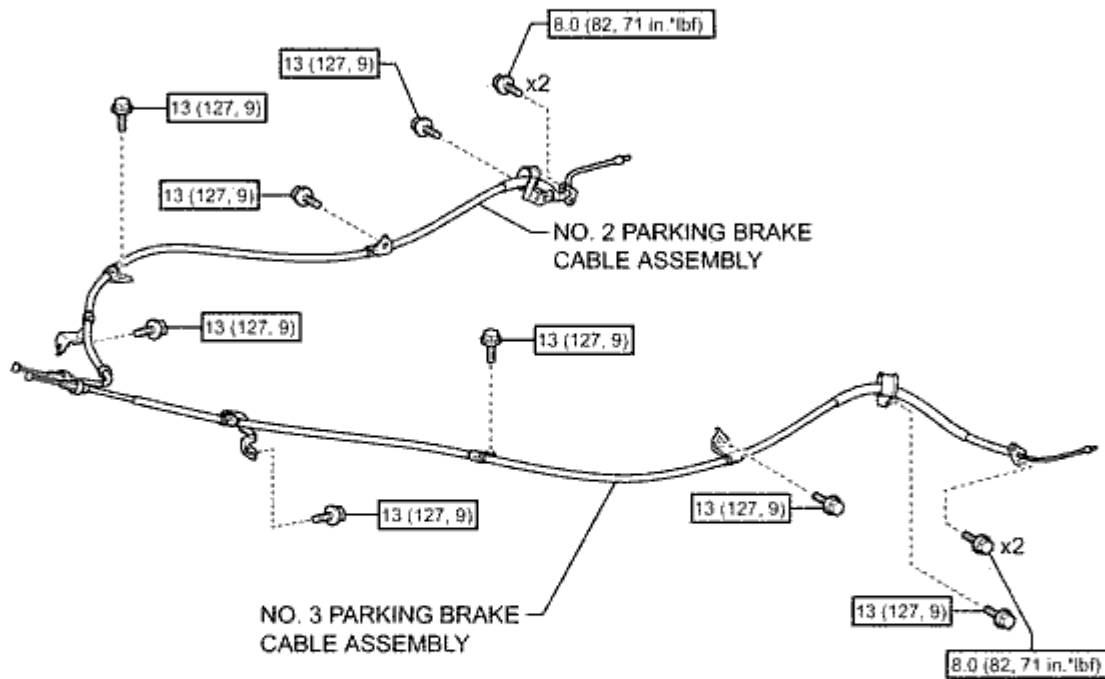


Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000011C701ZX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE CABLE: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



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

Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000011C602DX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE CABLE: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL NO. 3 PARKING BRAKE CABLE ASSEMBLY

(a) Install the No. 3 parking brake cable assembly with the 4 bolts.

Torque:

13 N·m {127 kgf·cm, 9ft·lbf}

(b) Attach the claws of the No. 3 parking brake cable assembly.

(c) Connect the No. 3 parking brake cable assembly to the No. 1 parking brake pull rod.

(d) Engage the 2 claws to install the parking brake cable end stopper.

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

Torque:

8.0 N·m {82 kgf·cm, 71in·lbf}

2. INSTALL NO. 2 PARKING BRAKE CABLE ASSEMBLY

(a) Install the No. 2 parking brake cable assembly with the 4 bolts.

Torque:

13 N·m {127 kgf·cm, 9ft·lbf}

(b) Attach the claws of the No. 2 parking brake cable assembly.

(c) Connect the No. 2 parking brake cable assembly to the No. 1 parking brake pull rod.

(d) Engage the 2 claws to install the parking brake cable end stopper.

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

Torque:

8.0 N·m {82 kgf·cm, 71in·lbf}

3. CONNECT NO. 2 PARKING BRAKE SHOE ASSEMBLY WITH PARKING BRAKE SHOE LEVER

INFO

4. INSPECT PARKING BRAKE LEVER TRAVEL

INFO

5. ADJUST PARKING BRAKE LEVER TRAVEL

INFO

6. INSTALL VOLTAGE INVERTER ASSEMBLY

INFO

7. INSTALL REAR WHEEL

Torque:

113 N·m {1152 kgf·cm, 83ft·lbf}



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000011C802CX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE CABLE: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. DISCONNECT NO. 2 PARKING BRAKE SHOE ASSEMBLY WITH PARKING BRAKE SHOE LEVER

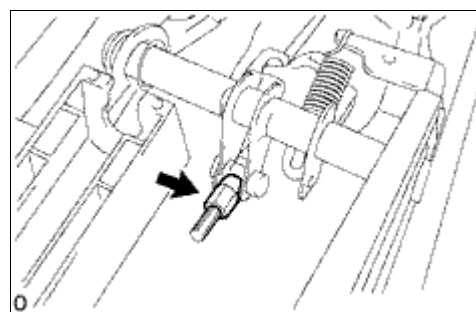
INFO

2. REMOVE VOLTAGE INVERTER ASSEMBLY

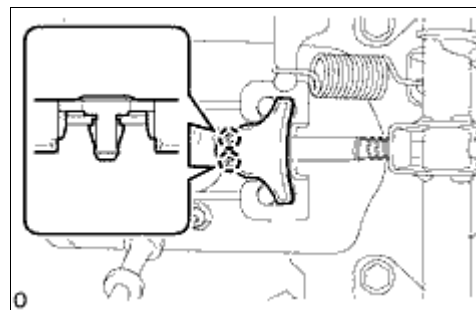
INFO

3. REMOVE NO. 2 PARKING BRAKE CABLE ASSEMBLY

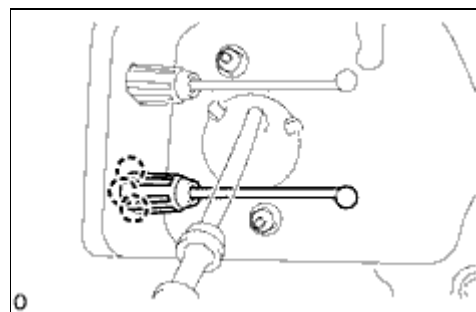
- (a) Loosen the adjusting nut.



- (b) Disengage the 2 claws to remove the parking cable end stopper.

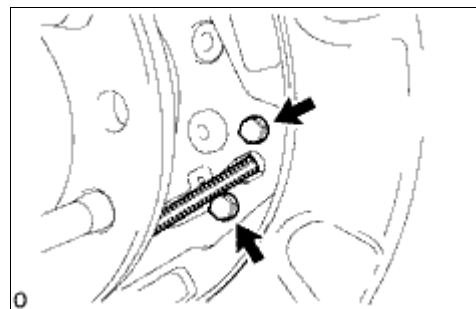


- (c) Disconnect the No. 2 parking brake cable assembly from the No. 1 parking brake pull rod.

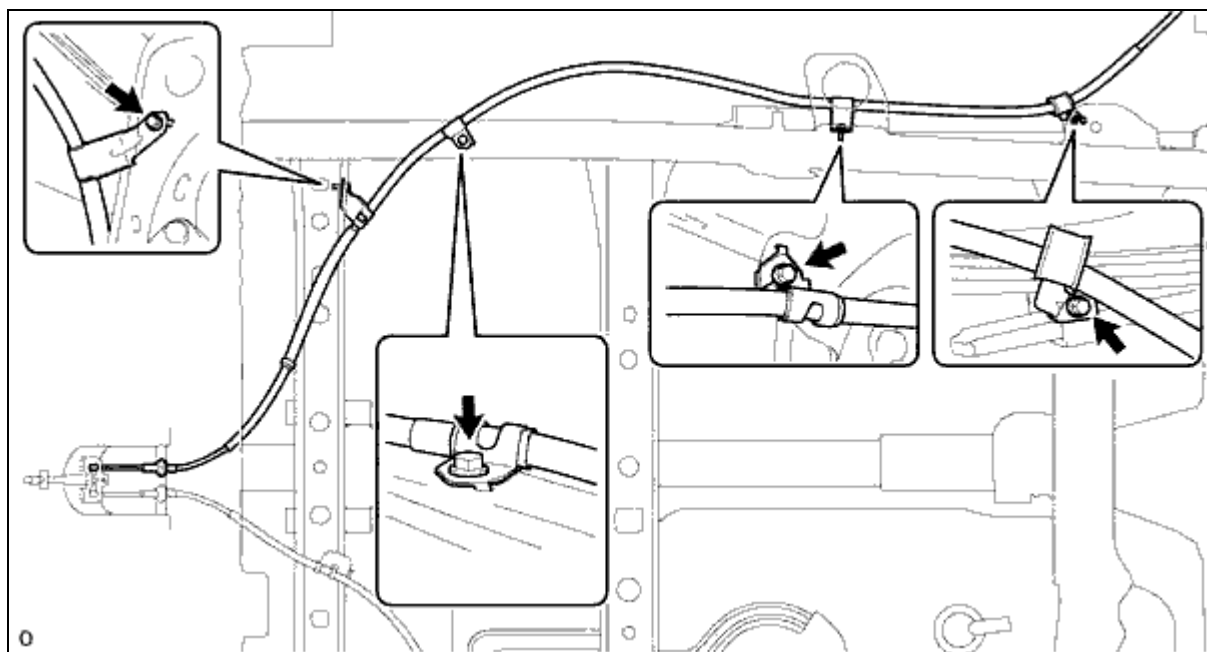


- (d) Disengage the 3 claws of the No. 2 parking brake cable assembly and push the No. 2 parking brake cable assembly outside of vehicle slightly.

- (e) Remove the 2 bolts and disconnect the No. 2 parking brake cable assembly from the backing plate.

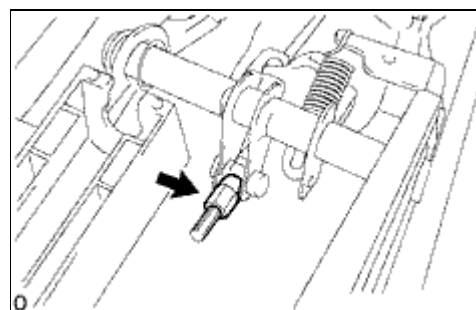


- (f) Remove the 4 bolts and No. 2 parking brake cable assembly.

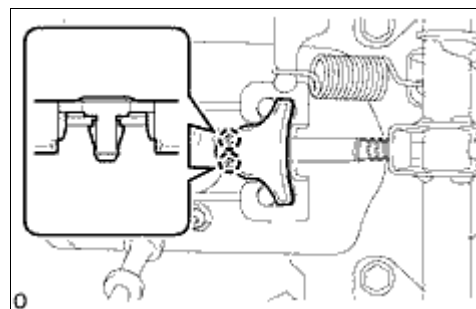


4. REMOVE NO. 3 PARKING BRAKE CABLE ASSEMBLY

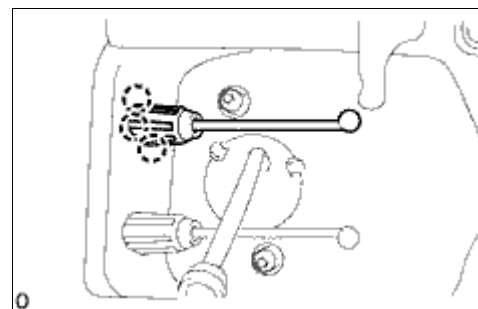
- (a) Loosen the adjusting nut.



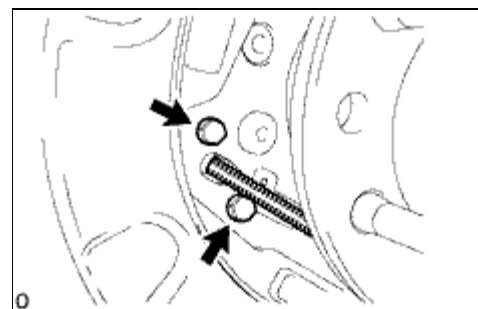
- (b) Disengage the 2 claws to remove the parking cable end stopper.



(c) Disconnect the No. 3 parking brake cable assembly from the No. 1 parking brake pull rod.

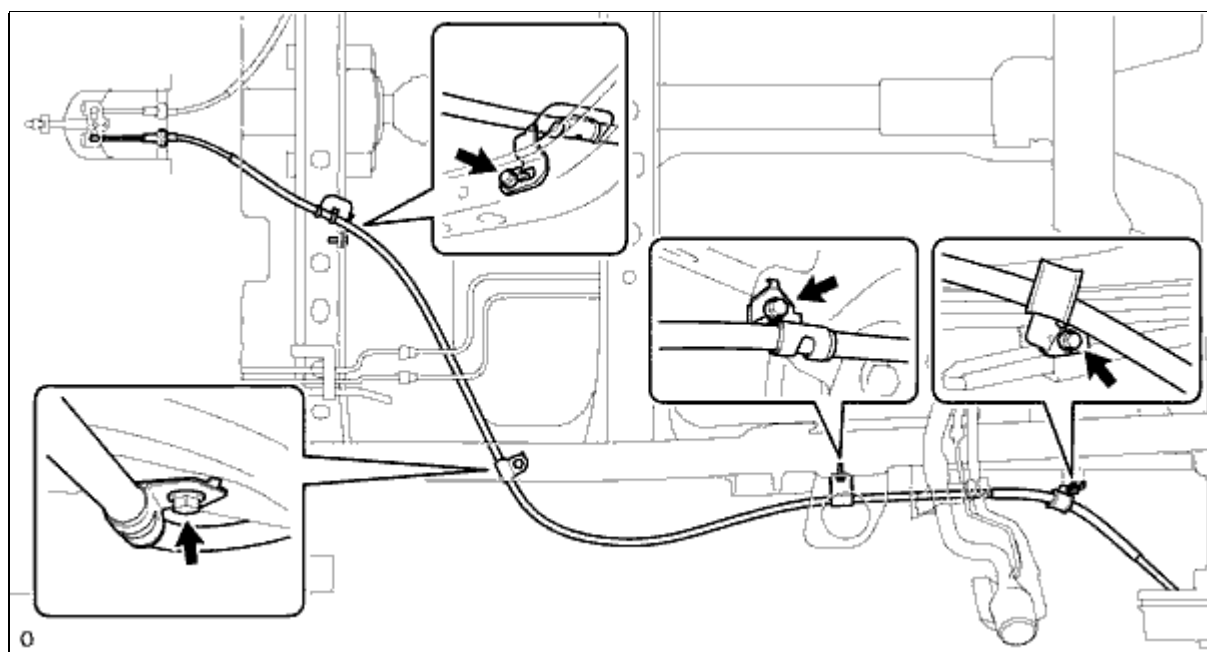


(d) Disengage the 3 claws of the No. 3 parking brake cable assembly and push the No. 3 parking brake cable assembly outside of vehicle slightly.



(e) Remove the 2 bolts and disconnect the No. 3 parking brake cable assembly from the backing plate.

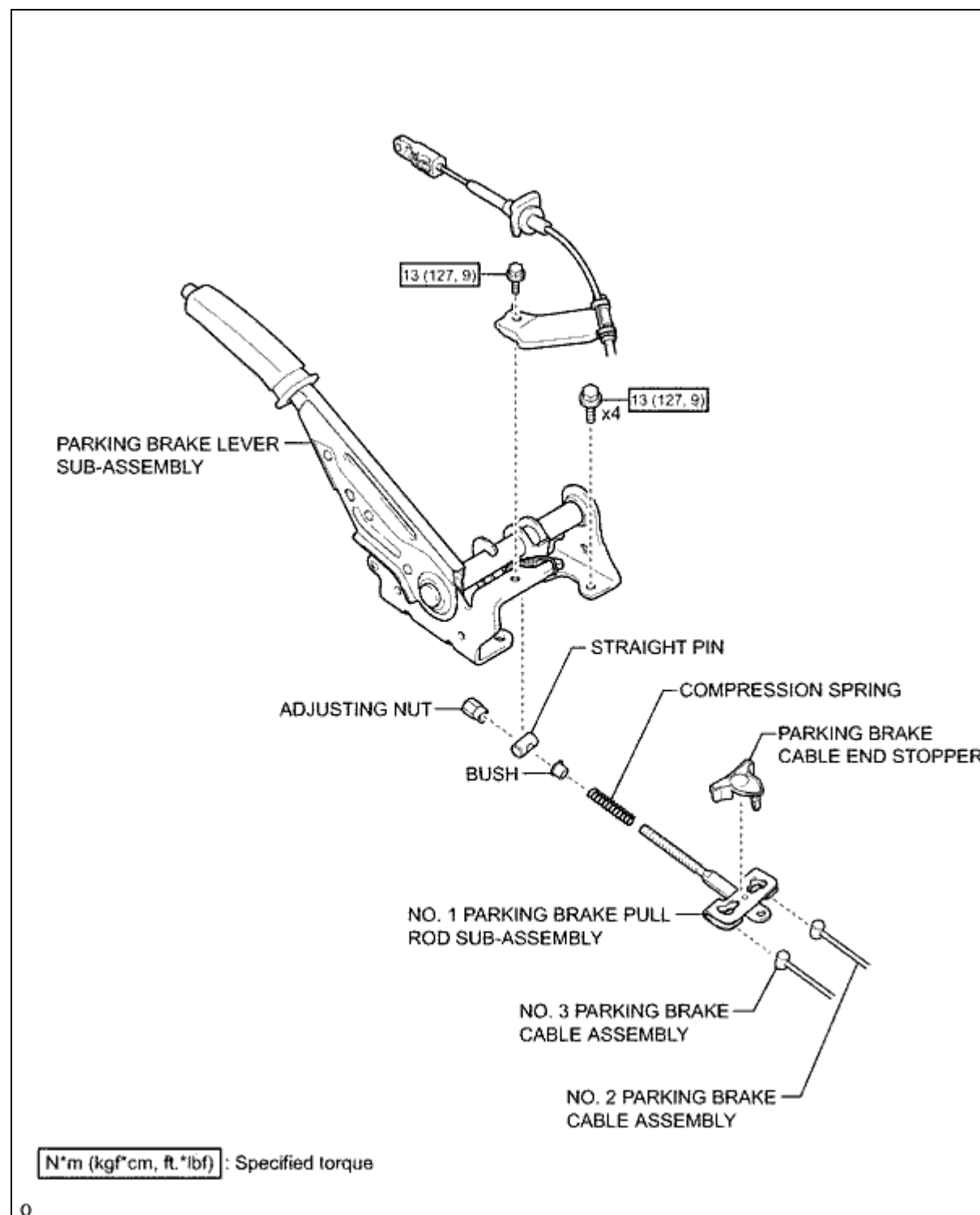
(f) Remove the 4 bolts and No. 3 parking brake cable assembly.



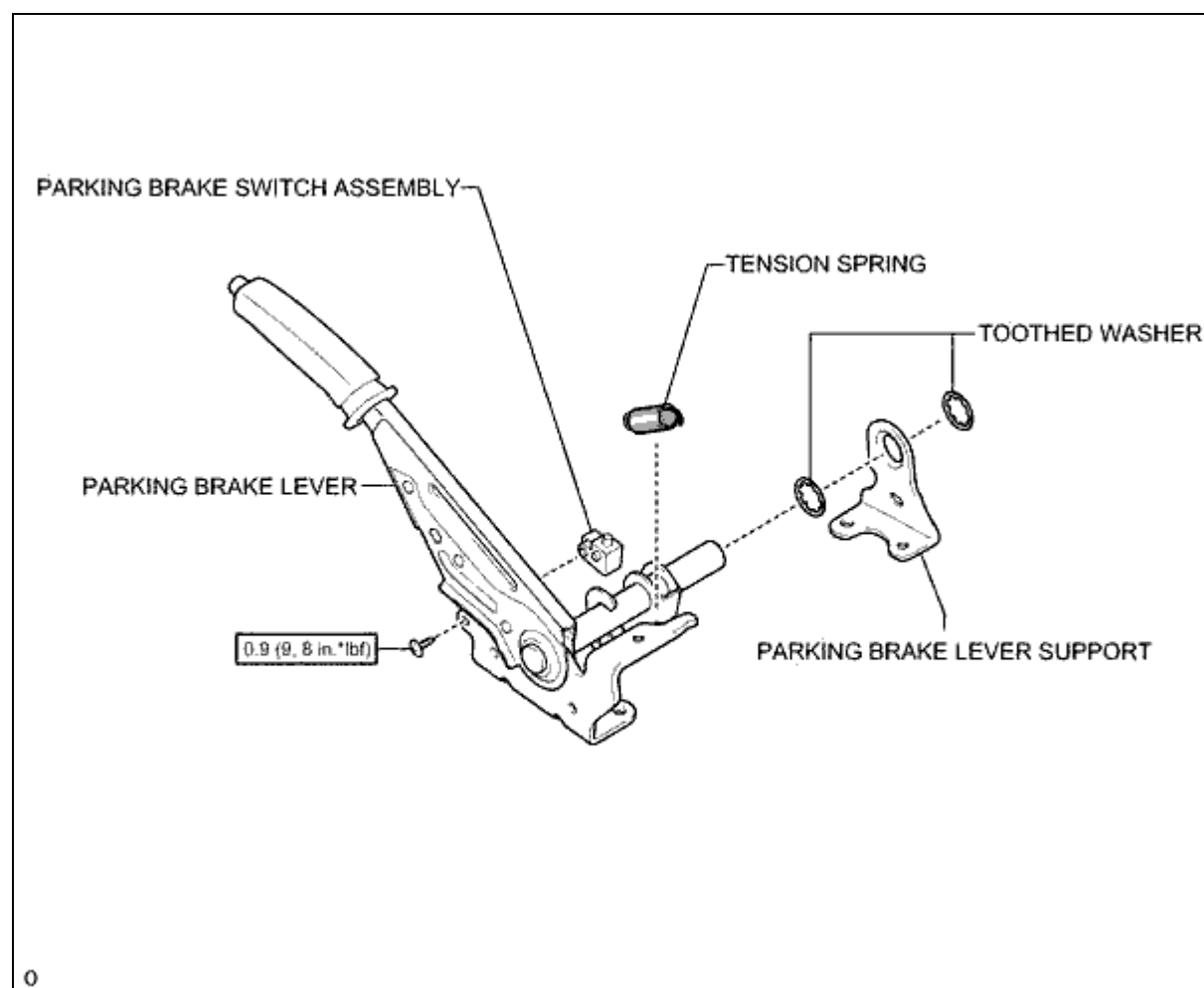
Last Modified: 11-13-2015	6.6 K	Doc ID: RM000002JL100XX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE LEVER: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000002JL001BX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE LEVER: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL PARKING BRAKE SWITCH ASSEMBLY INFO

2. INSTALL PARKING BRAKE LEVER SUB-ASSEMBLY

- (a) Install the 2 toothed washers and parking brake lever support to the parking brake lever.
- (b) Install the tension spring to the parking brake lever.
- (c) Install the parking brake lever sub-assembly with the 4 bolts.

Torque:

13 N·m {127 kgf·cm, 9ft·lbf}

- (d) Engage the 2 clamps to install the wire harness from the parking brake lever sub-assembly.
- (e) Install the straight pin to the parking brake lever.
- (f) Connect the No. 2 parking brake cable and No. 3 parking brake cable to the No. 1 parking brake pull rod.
- (g) Engage the 2 claws to install the parking brake cable end stopper.
- (h) Install the bush, compression spring and No. 1 parking brake pull rod to the parking brake lever with the adjusting nut.
- (i) Connect the parking brake switch connector.

3. CONNECT TRANSMISSION CONTROL CABLE ASSEMBLY INFO

4. INSPECT PARKING BRAKE LEVER TRAVEL INFO

5. ADJUST PARKING BRAKE LEVER TRAVEL INFO

6. INSTALL VOLTAGE INVERTER ASSEMBLY

INFO



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000002JL201BX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE LEVER: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. REMOVE VOLTAGE INVERTER ASSEMBLY

INFO

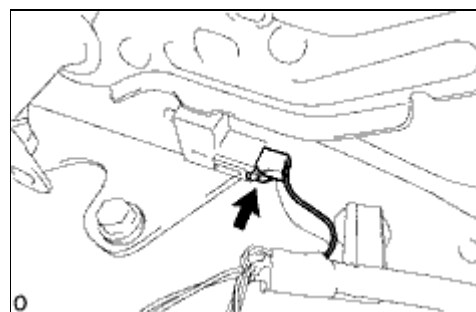
2. DISCONNECT TRANSMISSION CONTROL CABLE ASSEMBLY

INFO

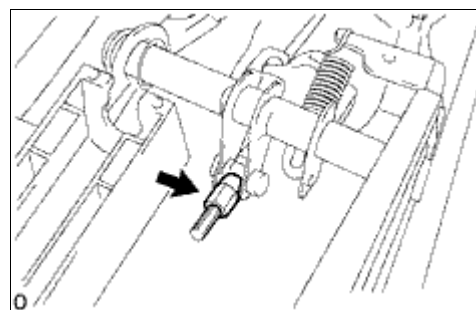
3. REMOVE PARKING BRAKE LEVER SUB-ASSEMBLY

(a) Release the parking brake lever.

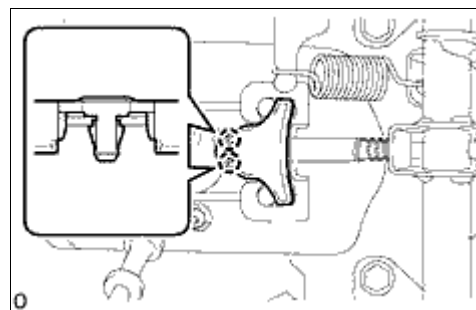
(b) Disconnect the parking brake switch connector.



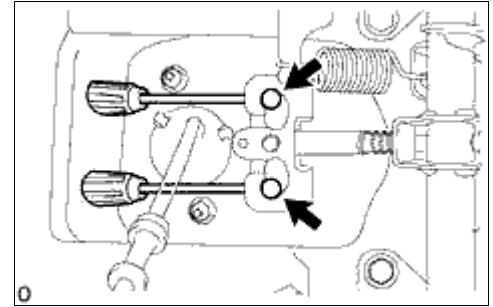
(c) Remove the adjusting nut.



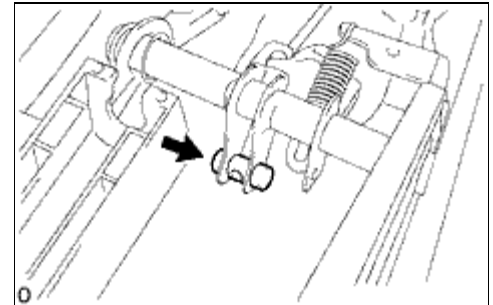
(d) Disengage the 2 claws to remove the parking brake cable end stopper.



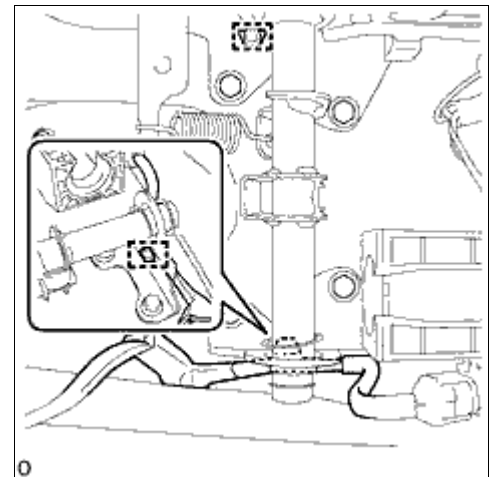
- (e) Disconnect the No. 2 parking brake cable assembly and No. 3 parking brake cable assembly from the No. 1 parking brake pull rod.



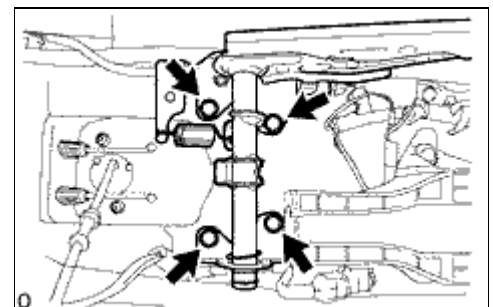
- (f) Remove the No. 1 parking brake pull rod, bush and compression spring from the parking brake lever.



- (g) Remove the straight pin from the parking brake lever.

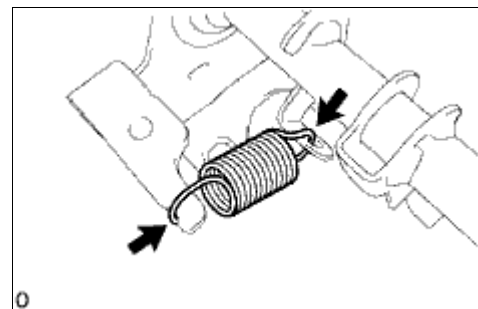


- (h) Disengage the 2 clamps to separate the wire harness from the parking brake lever sub-assembly.

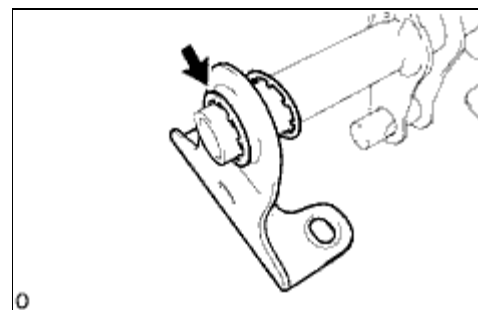


- (i) Remove the 4 bolts and parking brake lever.

(j) Remove the tension spring from the parking brake lever.



(k) Remove the 2 toothed washers and parking brake lever support from the parking brake lever.



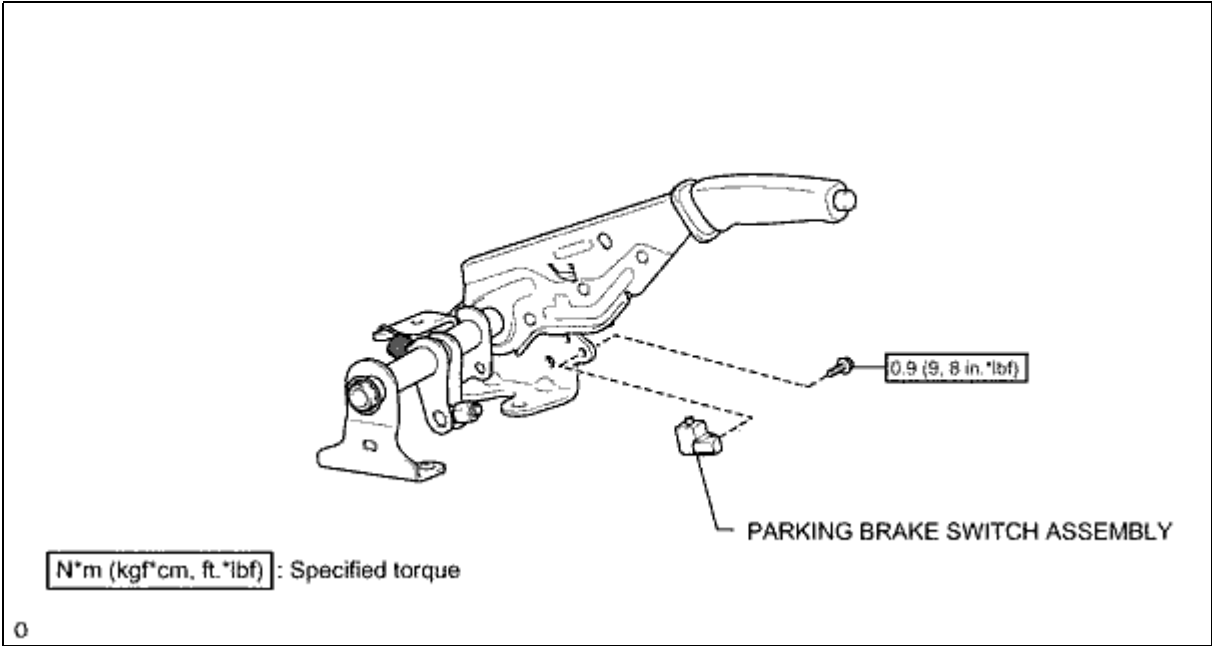
4. REMOVE PARKING BRAKE SWITCH ASSEMBLY INFO



Last Modified: 11-13-2015	6.6 K	Doc ID: RM000003D74011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SWITCH: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



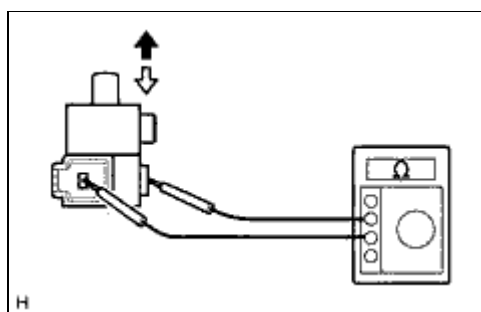
Last Modified: 11-13-2015	6.6 G	Doc ID: RM000003D73011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SWITCH: INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

1. INSPECT PARKING BRAKE SWITCH ASSEMBLY

(a) Check the resistance.

(1) Measure the resistance according to the value(s) in the table below.



Text in Illustration

	On
	Off

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
Switch connector terminal - Switch body	On (Shaft not pressed)	Below 1 Ω
	Off (Shaft pressed)	10 k Ω or higher

If the result is not as specified, replace the parking brake switch assembly.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000003D72016X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SWITCH: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL PARKING BRAKE SWITCH ASSEMBLY

- (a) Connect the connector to the parking brake switch assembly.
- (b) Install the parking brake switch assembly to the parking brake lever with the screw.

Torque:

0.9 N·m {9 kgf·cm, 8in·lbf}

2. INSTALL REAR CONSOLE BOX ASSEMBLY



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000003D75016X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SWITCH: REMOVAL; 2016 MY Tacoma [08/2015 -]		

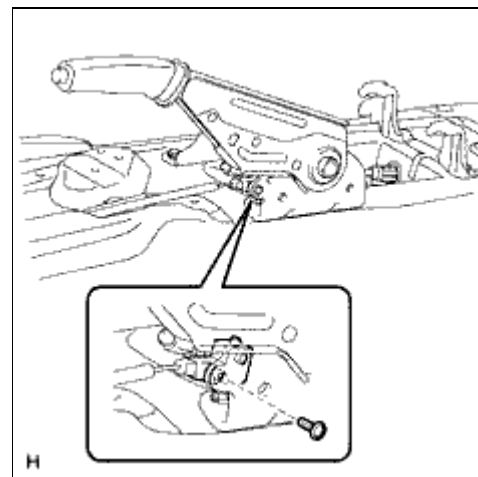
REMOVAL

1. REMOVE REAR CONSOLE BOX ASSEMBLY

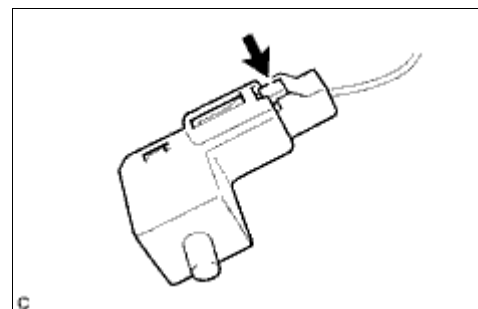
INFO .

2. REMOVE PARKING BRAKE SWITCH ASSEMBLY

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



- (b) Disconnect the connector.



Last Modified: 11-13-2015	6.6 N	Doc ID: RM0000011BK025X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SYSTEM: ADJUSTMENT; 2016 MY Tacoma [08/2015 -]		

ADJUSTMENT

1. INSPECT PARKING BRAKE LEVER TRAVEL

- (a) Fully pull the parking brake lever to engage the parking brake.
- (b) Release the lever to disengage the parking brake.
- (c) Slowly pull the parking brake lever all the way and count the number of clicks.
 Standard parking brake lever travel when pulled with a force of 200 N (20 kgf, 45 lbf):
 5 to 7 clicks

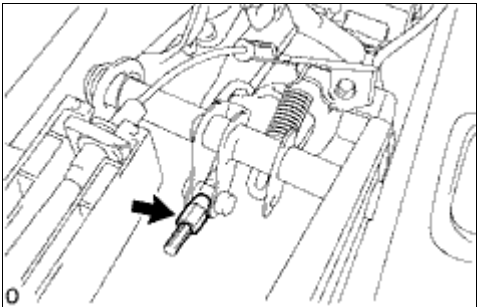
If the parking brake lever travel is not as specified, adjust the parking brake shoe clearance and parking brake lever travel.

2. REMOVE REAR WHEEL

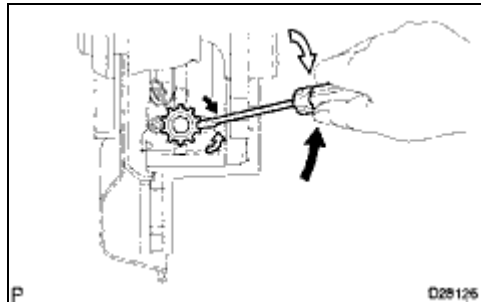
3. ADJUST PARKING BRAKE LEVER TRAVEL

- (a) Remove the rear console box assembly INFO .
- (b) Completely release the parking brake lever.

- (c) Loosen the adjusting nut to completely release the parking brake cable.



- (d) Temporarily install the hub nuts.
- (e) Turn the shoe adjuster so that it expands until the disc locks.



Text in Illustration

	Shoe Adjuster Contracts
	Shoe Adjuster Expands

(f) Turn the shoe adjuster so that it contracts until the disc can rotate smoothly.

OK:

8 notches

(g) Check that there is no brake drag against the shoe.

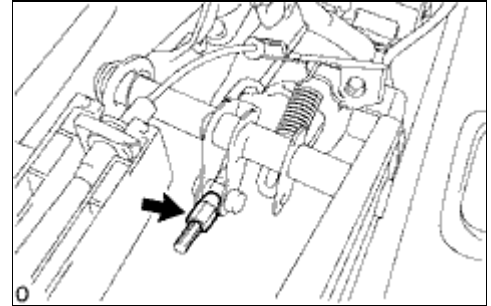
(h) Install the hole plug.

(i) Remove the hub nuts.

(j) Turn the adjusting nut until the parking brake lever travel becomes correct.

Standard parking brake lever travel when pulled with a force of 200 N (20 kgf, 45 lbf):

5 to 7 clicks



(k) Operate the parking brake lever 3 to 4 times and check the parking brake lever travel.

Standard parking brake lever travel when pulled with a force of 200 N (20 kgf, 45 lbf):

5 to 7 clicks

(l) Check whether the parking brake drags or not.

(m) When operating the parking brake lever, check that the parking brake warning light comes on.

Standard:

The parking brake warning light always illuminates at the first click.

(n) Install the rear console box assembly .

4. INSTALL REAR WHEEL

Torque:

113 N·m {1152 kgf·cm, 83ft·lbf}



Last Modified: 11-13-2015	6.6 T	Doc ID: RM0000011BL027X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: PARKING BRAKE: PARKING BRAKE SYSTEM: PROBLEM SYMPTOMS TABLE; 2016 MY Tacoma [08/2015 -]		

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Parking Brake System

SYMPTOM	SUSPECTED AREA	SEE PAGE
Brake drag	Parking brake lever travel (Out of adjustment)	INFO
	Parking brake cable (Sticking)	INFO
	Parking brake shoe clearance (Out of adjustment)	INFO
	Parking brake shoe lining (Cracked or distorted)	INFO
	Tension or return spring (Damaged)	INFO

