

DESCRIPTION AND OPERATION

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DESCRIPTION

The parking brake is a hand lever and cable operated system used to apply the park brake shoes. The park brake system is a drum-in-hat arrangement which houses the park brake shoes in a drum which is integral to the rear rotor.

OPERATION

A hand operated lever is located in the center floor console.

The cables are connected to the rear actuators which contact each brake shoe.

To apply the parking brakes, the hand lever is pulled upward. This pulls the rear park brake shoe actuators, by means of cables.

A parking brake switch is mounted on the parking brake lever and is closed by upward movement of the lever. The switch, which is in circuit with the red brake warning light in the dash, will illuminate the red brake warning light whenever the parking brake is applied.

The parking brake system has two adjustments that can be made; cable adjustment and rear parking brake shoe adjustment. A loose cable system is characterized by the park brake lever being loose at the beginning of travel. Under adjustment of the rear parking brake shoes is characterized by excessive park brake lever travel.

The park brake cables are adjusted with a nut at the end of the output rod of the parking brake lever. The initial adjustment is made at the factory, and under normal circumstances, no further adjustment should be necessary. Before adjusting the rear brake shoes, verify the parking brake cables are properly adjusted, or adjust as required.

PARK BRAKE ADJUSTMENT

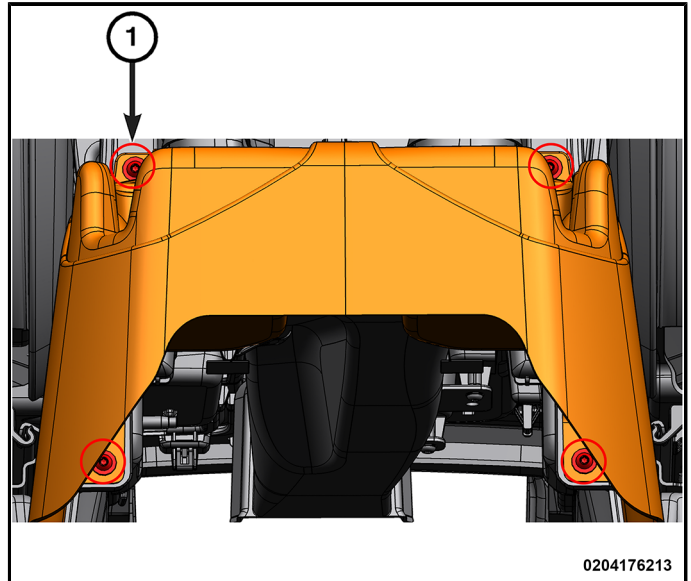
1. Remove the front bolt covers and the bolts (1) on both sides of the console.
2. Move the front seats to the full forward position.



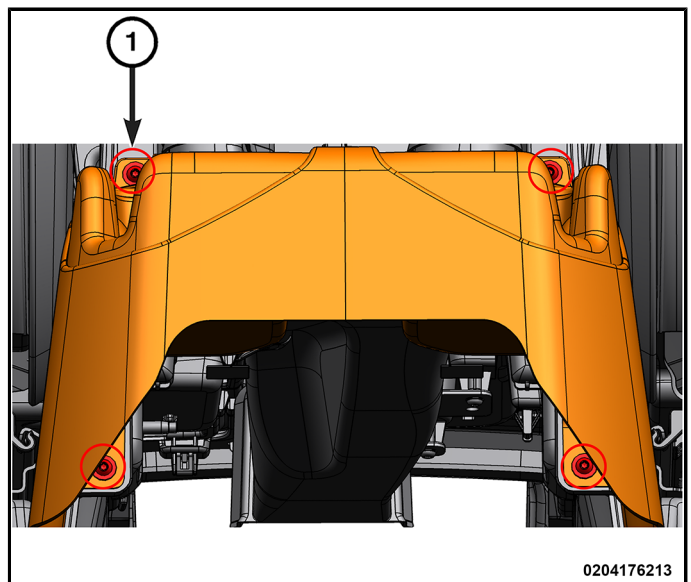
3. Remove the rear bolt covers and the bolts (1) on both sides of the console.
4. Remove the floor console end cap (Refer to 23 - Body/Interior/CONSOLE, Floor, End Cap/Removal and Installation) .



5. Lift the center floor console slightly then remove the cup holder screws (1) and remove the cup holder.



6. Release the parking brake handle and place in the completely lowered position.
7. Turn the adjuster nut counterclockwise (loosening direction) until there is clear slack in the cable system.
8. Pull the parking brake handle gently with virtually no effort in order to evaluate the slack in the cable system. At no time in the adjustment process should you be applying the park brake lever with any significant input or travel, with the exception of Step 6. You are simply looking for looseness or slack at the very beginning of lever travel with essentially zero input force.
9. Turn the adjuster nut in the clockwise direction (tightening) while continuing to wiggle the handle up and down gently to assess the slack in the cable system. Continue turning the nut in the clockwise (tightening) direction, while at the same time wiggling the park brake lever, until slack is perceived to be gone.
10. Apply the parking brake lever at a minimum of 9 clicks and let sit for one minute.
11. Release the parking brake and check for any new slack that may have appeared. Readjust as necessary according to step 5 above.
12. Tighten the adjuster nut an additional one full turn.
13. Pull on the parking brake handle and set the parking brake to ensure it functions properly.
14. Release the parking brake handle and place in the completely lowered position.
15. Position the cup holder to the center floor console then install and tighten the cup holder screws (1).
16. Lower the floor console to the floor.
17. Install the floor console end cap (Refer to 23 - Body/Interior/CONSOLE, Floor, End Cap/Removal and Installation) .



18. Install the bolts (1) and tighten securely.
19. Install the rear bolt covers on both sides of the console.
20. Move the front seats to the full rearward position.



21. Install the bolts (1) and tighten securely.
22. Install the front bolt covers on both sides of the console.



REMOVAL AND INSTALLATION

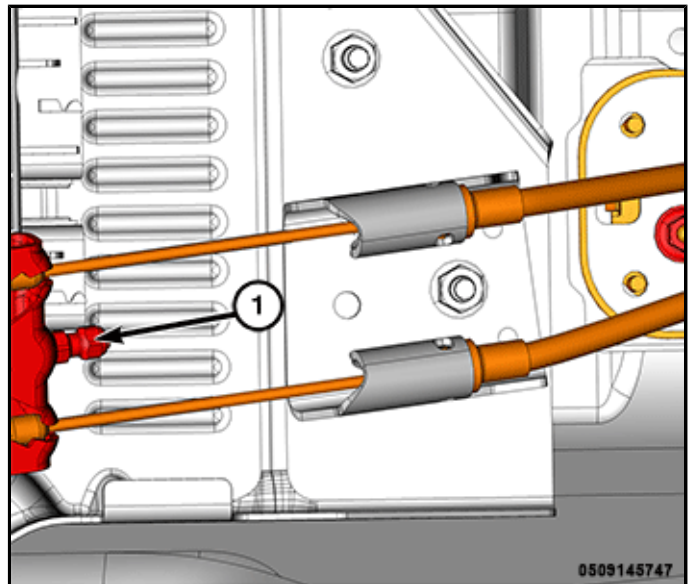
| Primary LOP | Related LOP | Description | Skill Level | Skill Category |
|-------------|-------------|--|------------------|----------------|
| 05 05 21 12 | - | Cable, parking brake Disc brakes - Rear - Right side | 1 - Semi Skilled | 5 |
| 05 05 21 13 | - | Cable, parking brake Disc brakes - Rear - Left side | 1 - Semi Skilled | 5 |
| 05 05 21 15 | - | Cable, parking brake Disc brakes - Rear - Both | 1 - Semi Skilled | 5 |

REMOVAL

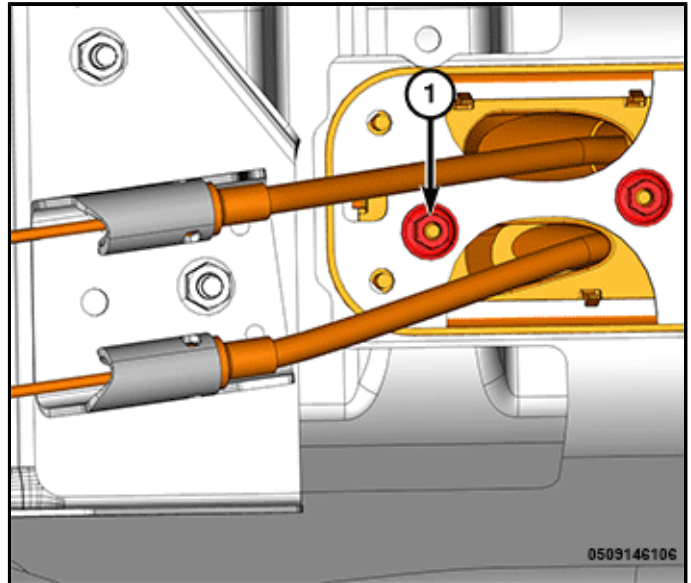
1. Remove the floor console (Refer to 23 - Body/Interior/CONSOLE, Floor/Removal and Installation).
2. Loosen the adjuster nut (1) then disconnect both cable buttons from the equalizer.

NOTE: The park brake cable tabs can be accessed through the reaction bracket windows.

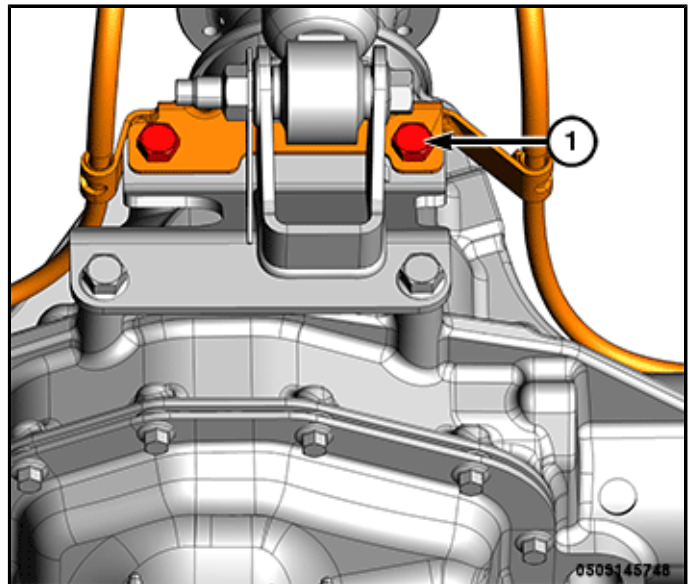
3. Using a suitable tool, release the park brake cable tabs.
4. Pull the park brake cable out of the reaction bracket.



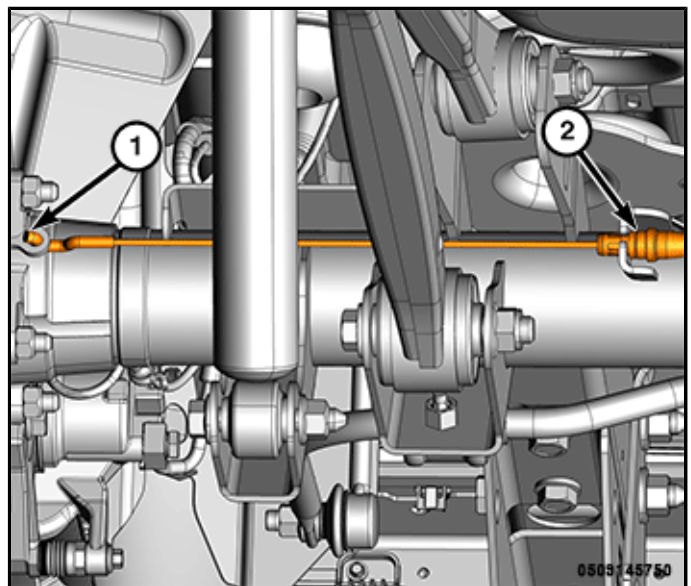
5. Remove the two park brake cable boot nuts (1).
6. Remove the cable boot from the floor pan.



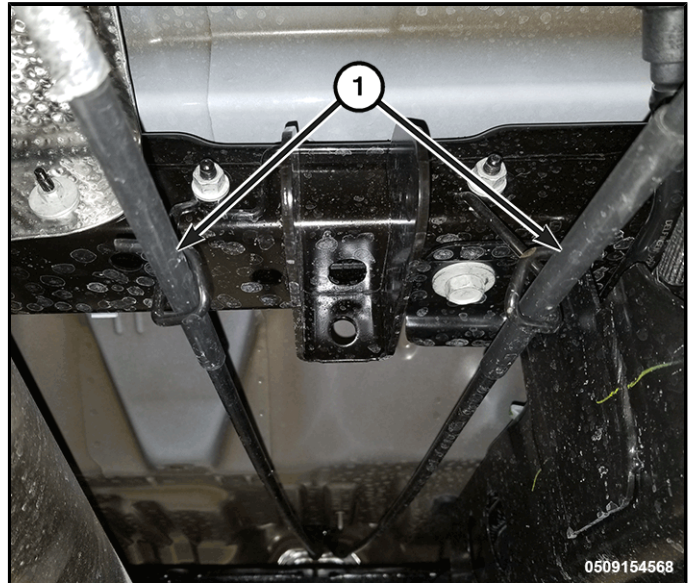
7. Raise and support the vehicle (Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure).
8. Remove the two power hop damper axle bracket bolts (1), or the two park brake cable bracket bolts (1).



9. Remove the brake cable end (1) from the brake actuator.
10. Depress the park brake cable tabs and remove the cable (2) from the axle bracket.

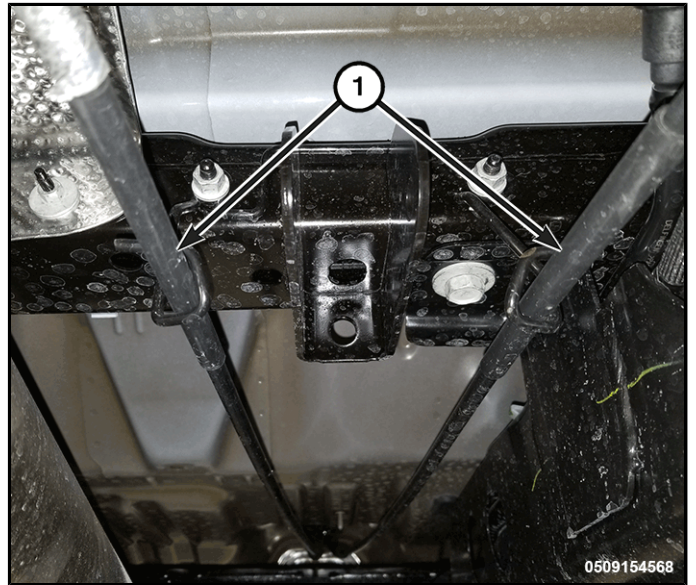


11. Pull the park brake cable (1) through the routing bracket and remove the park brake cable (1).

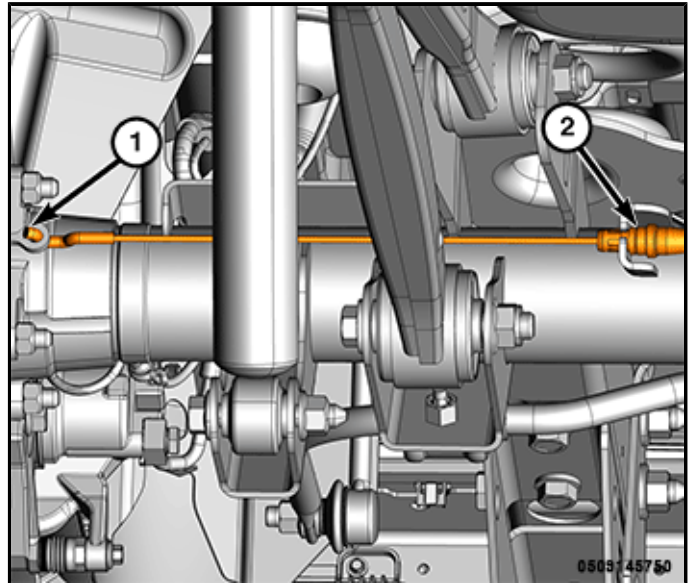


INSTALLATION

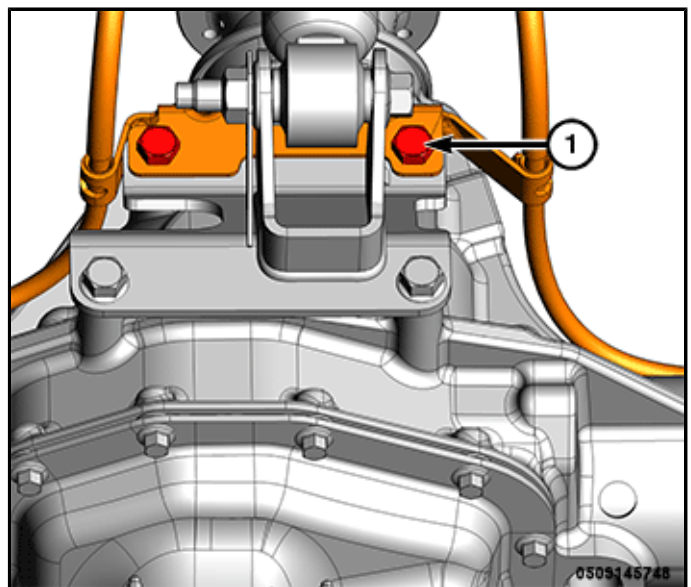
1. Loosely route the park brake cable (1) through the hole in the floor pan, through the routing bracket, and in place all the way to the brake actuator.



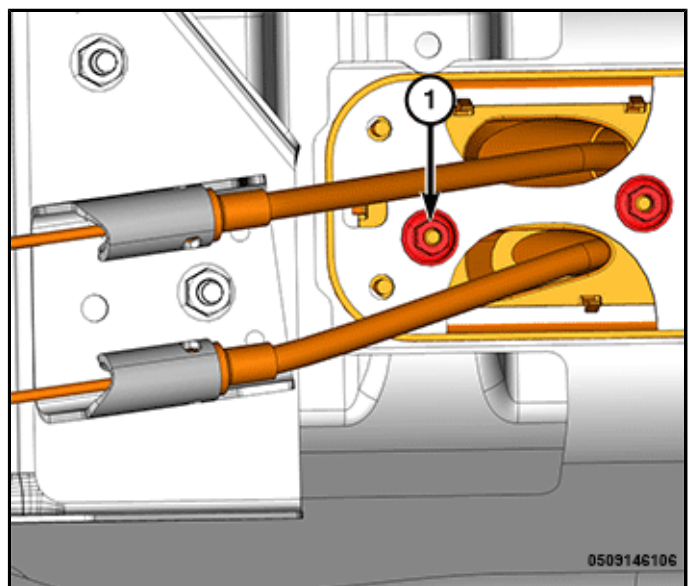
2. Install the cable (2) into the axle bracket.
3. Install the cable end (1) to the brake actuator as shown.



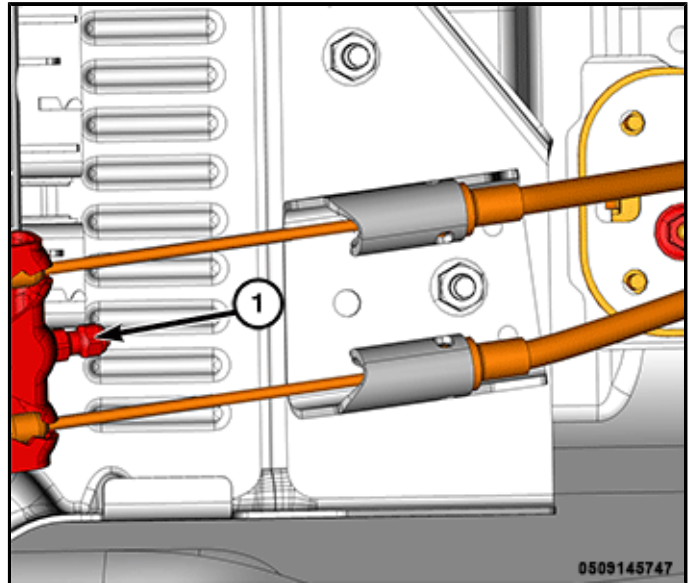
4. Position the park brake cable bracket to the axle, then install the two power hop damper axle bracket bolts (1) and tighten to the proper (Torque Specifications), or install the two park brake cable bracket bolts (1) and tighten to the proper (Torque Specifications).
5. Remove the support and lower the vehicle.



6. Position the park brake cable boot to the floorpan.
7. Install the two park brake cable boot nuts (1) and tighten to the proper (Torque Specifications).



8. Route the park brake cable through the reaction bracket and be sure the park brake cable tabs engage the reaction bracket.
9. Connect both cable buttons to the equalizer (1).
10. Perform the park brake adjustment procedure (Refer to 05 - Brakes, Base/Parking Brake/Adjustments).
11. Verify proper park brake system operation and repeat adjustment procedure as needed.
12. Install the floor console (Refer to 23 - Body/Interior/CONSOLE, Floor/Removal and Installation).

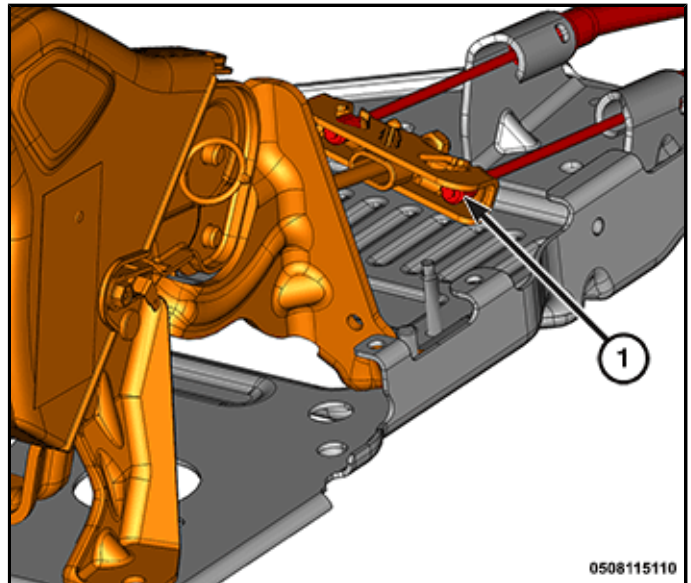


REMOVAL AND INSTALLATION

| Primary LOP | Related LOP | Description | Skill Level | Skill Category |
|-------------|-------------|------------------------------------|-----------------|----------------|
| 05 05 01 01 | - | Lever, parking brake Hand operated | 0 - Low Skilled | 5 |

REMOVAL

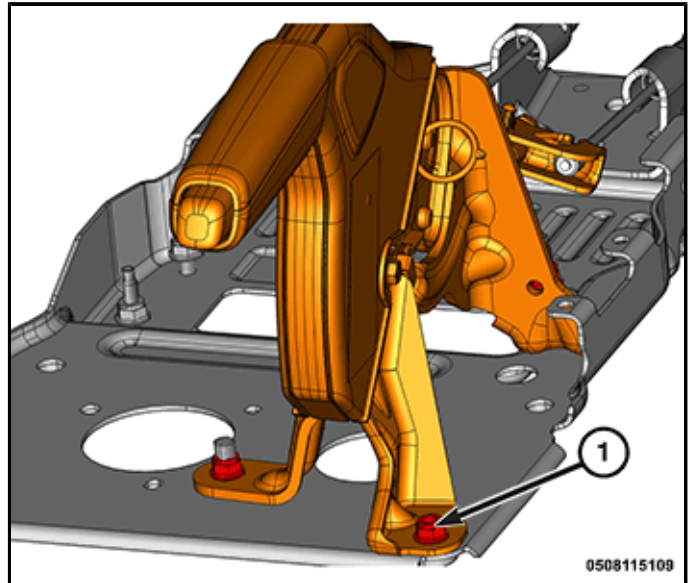
1. Disconnect and isolate the negative battery cable(s) (Refer to 08 - Electrical/Battery System/Standard Procedure).
2. Remove the floor console (Refer to 23 - Body/Interior/CONSOLE, Floor/Removal and Installation).
3. Loosen the adjuster nut then disconnect both cables (1) from the equalizer.



4. Disconnect the park brake switch wire harness connector (1).

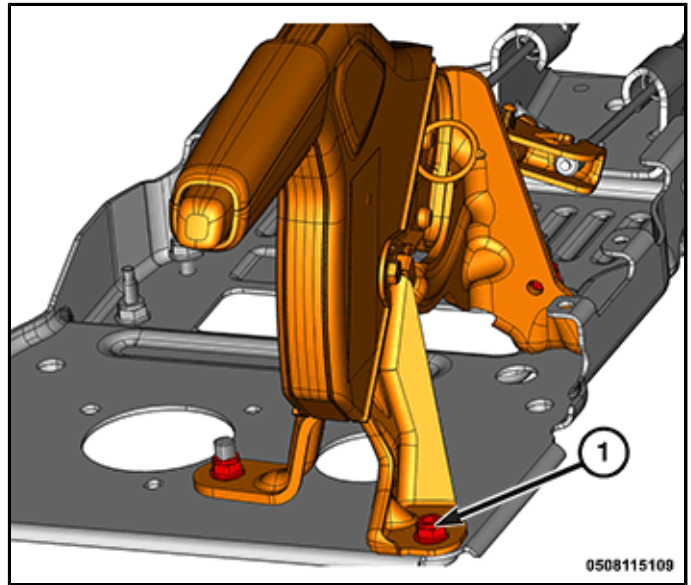


5. Remove the three park brake lever nuts (1).
6. Remove the park brake lever assembly.

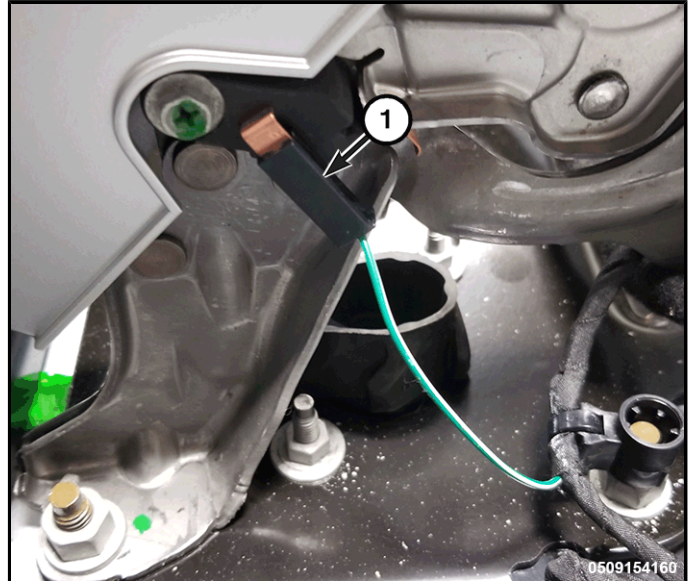


INSTALLATION

1. Position the park brake lever over the studs.
2. Install the three park brake lever nuts (1) and tighten to the proper (Torque Specifications).



3. Connect the park brake switch wire harness connector (1).



4. Reconnect the rear park brake cable buttons (1) to the equalizer.
5. Perform the park brake adjustment procedure (Refer to 05 - Brakes, Base/Parking Brake/Adjustments).
6. Verify proper park brake system operation and repeat adjustment procedure as needed.
7. Install the floor console (Refer to 23 - Body/Interior/CONSOLE, Floor/Removal and Installation).
8. Connect the negative battery cable(s) (Refer to 08 - Electrical/Battery System/Standard Procedure).

