

Service Bulletin #6269

Subject: Parking Brake Cable Contacts Fuel Tank

Models: 1996-2000 Chevrolet and GMC G-Van 3500 Series (1 Ton) Cutaway Models with 132L (35 Gallon) Fuel Tank (RPO NL1) Registered in the State of New York

Condition

Inspectors in the State of New York Department of Transportation are placing some vehicles out of service.

Cause

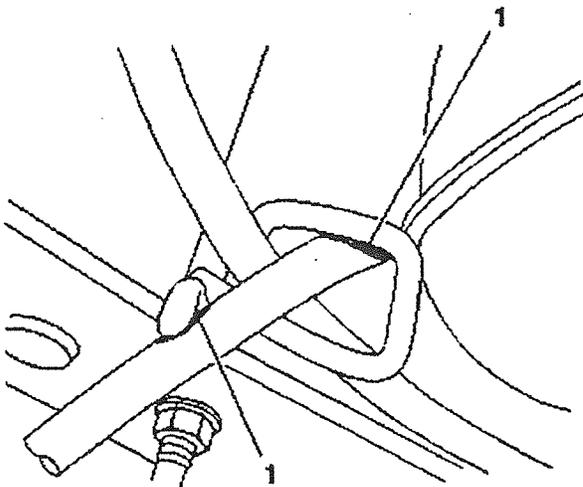
Parking brake cable contacting the fuel tank.

Correction

Reposition the parking brake cable and replace one of the parking brake cable guide clamps. Refer to the service procedure below.

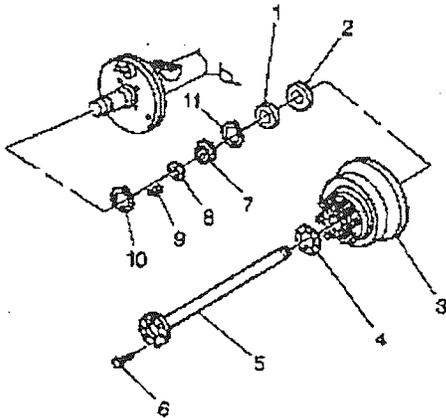
1. Disconnect the negative battery cable.
2. Raise and suitably support the vehicle.
3. Loosen the fuel filler hose clamp retaining the fuel filler rubber hose to the fuel filler metal pipe.
4. Remove the fuel filler rubber hose from the fuel filler metal pipe.
5. Place two transmission jacks, or suitable moveable stands, under the fuel tank at the front and rear of the fuel tank in order to provide support.
6. Remove the two bolts retaining the fuel tank straps.
7. Position the straps down and out of the way of the tank.
8. Slightly lower and move the rear of the fuel tank inward (away from the frame rail towards the drive shaft).
9. Remove the clamp/strap retaining the right rear parking brake cable to the left frame rail just rear of the rear fuel tank saddle. Discard the clamp/strap.

Parking Brake Cable Inspection (Left Side Cable)

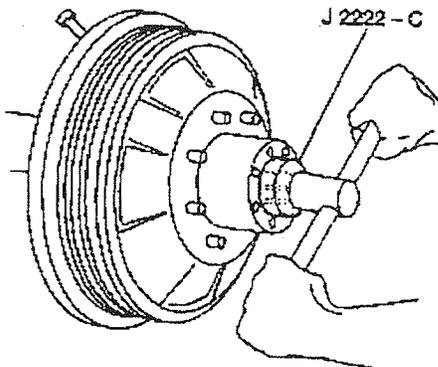


Important: Replace the cable ONLY if the rubber coating is worn through and the metal shielding in the cable is visible.

1. Inspect the parking brake cable in two locations (1) at the most rearward guide for damage.
2. If there is no damage to the parking brake cable, go to the Fuel Tank Inspection procedure listed below. If there is damage, continue with step 3.
3. Mark the position of RH rear cable nut at the equalizer and remove the nut.
4. Disconnect the LH cable from the equalizer and frame bracket.
5. Remove both of the left rear wheels and tires.



6. Remove the axle shaft bolts (6).
7. Remove the axle shaft (5) from the tube.
8. Clean the outside face of the hub assembly and the axle shaft (5).
9. Remove the retaining ring (10).
10. Remove the wheel bearing adjusting nut key (9).

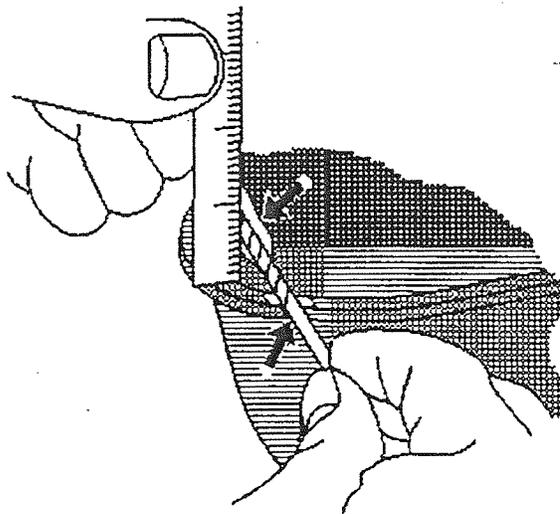


11. Remove the adjusting nut using the J 2222-C.
12. Remove the hub and drum (3).
13. Disconnect the parking brake cable from the backing plate and the brake shoe.
14. Remove the cable from the vehicle.

15. Install the new parking brake cable, P/N 15015715 through the backing plate and attach the cable to the brake shoe. Refer to the Reroute Parking Brake Cable and Replace Clamp procedure listed below.
16. Install the hub and drum (3) to the axle tube.
17. Install the wheel bearing adjusting nut key (9) into the keyway.
18. Install the adjusting nut using the J 2222-C.
19. Adjust the bearing preload.
Tighten: Tighten the adjusting nut to 68 Nm (50 lb ft).
20. Align the closest adjusting nut slot with the keyway in the axle spindle.
21. Install the key (9).
22. Install the retaining ring (10).
23. Install the axle shaft (5) with RTV Silicone Sealant, P/N 12346192 (in Canada, use P/N 10953476).
24. Install the bolts (6).
Tighten: Tighten the bolts (6) to 156 Nm (115 lb ft).
25. Install the wheel and tire assemblies and install the wheel nut studs.
Tighten: Tighten the wheel nut studs to 160 Nm (120 lb ft).

Fuel Tank Inspection

- Inspect the fuel tank for abrasion from the parking brake cable.
- If there is no abrasion of the fuel tank, continue with the Reroute Parking Brake Cable and Replace Clamp procedure listed below.
- If there is slight abrasion of the fuel tank continue with the next step.



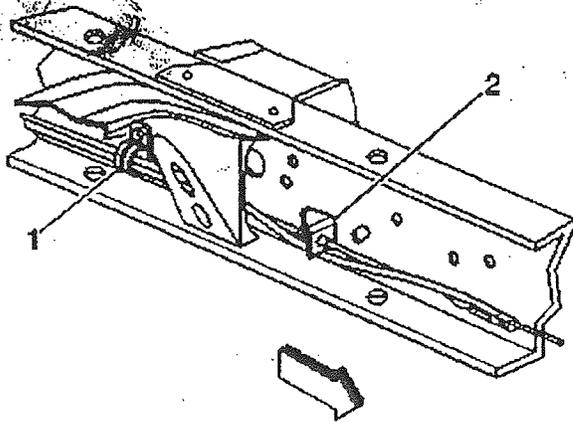
- Clean the area of the abrasion with GM Brake Cleaner (GM #12378392) or equivalent to eliminate any foreign material on the composite fuel tank.
- Measure the depth of the abrasion into the fuel tank by placing a straight edge perpendicular to the fuel tank abrasion area and insert a 2 mm (5/64 in) drill bit into the depth of the abrasion.
- If the drill bit does not fit into the abrasion of the fuel tank between the straight edge and the tank, DO NOT REPLACE THE TANK. Continue with the Reroute Parking Brake Cable and Replace Clamp procedure listed below.

- If the drill bit fits between the straight edge and the abrasion of the tank without moving the straight edge, REPLACE THE FUEL TANK. Continue with the Fuel Tank Replacement procedure listed below.

Fuel Tank Replacement

1. Drain the fuel tank into a clean, approved fuel storage container. The fuel will be returned to the vehicle later.
2. Disconnect the fuel feed, vapor hoses and electrical connections from the fuel tank.
3. Lower the fuel tank.
4. Remove the fuel tank shield if the new tank does not come with one.
5. Clean off the top of the tank around the sending unit.
6. Remove the fuel filler rubber hose from the fuel tank.
7. Remove the fuel sending unit from the tank using the J 39765 (Diesel) or the J 44402 (Gas) fuel sending unit installer / removal tool.
8. Discard the fuel tank sending unit sealing ring.
9. Hold the fuel tank for inspection by your General Motors Local Area Service Representative.
10. Replace the fuel tank, P/N 12470410 (Diesel Engines) or P/N 12377810 (Gasoline Engines).
11. Replace the fuel tank sending unit sealing ring, P/N 25028682 (Diesel Engines) or P/N 15734493 (Gas Engines).
12. Install the sending unit using the J 39765 (Diesel) or the J 44402 (Gas) fuel sending unit remover/installer.
13. Install new fuel tank insulators, P/N 15705173 onto the new fuel tank where the fuel tank contacts the vehicle crossmembers.
14. Install the fuel filler rubber hose onto the fuel tank.
Tighten : Tighten the clamp to 2.5 Nm (25 lb in).
15. Install the shield onto the fuel tank if the new tank did not come with one.
16. Reroute the left parking brake cable under the right parking brake retaining bracket and install new clamp, P/N 2048291. Refer to Reroute Parking Brake Cable and Replace Clamp procedure listed below.
17. Raise the fuel tank and install the fuel feed, vapor hoses and electrical connections.
18. Install the fuel tank strap bolts.
Tighten: Tighten the fuel tank strap bolts to 45 Nm (33 lb in).
19. Reinstall the rubber fuel tank filler hose onto the metal pipe.
Tighten : Tighten the clamp to 2.5 Nm (25 lb in).
20. Lower the vehicle.
21. Refill the fuel tank with the drained fuel.
22. Reconnect the negative battery cable.

Reroute Parking Brake Cable and Replace Clamp



1. Reroute the left parking brake cable under the right parking brake retaining bracket (2). Refer to the illustration above.
2. Install the new clamp (1), P/N 2048291 around both cables in the same location as the old clamp. Refer to the above illustration.
Tighten: Tighten the clamp bolt to 15 Nm (11 lb ft).
3. Raise the fuel tank and position. Install the tank straps and bolts.
Tighten: Tighten the fuel tank strap bolts to 45 Nm (33 lb in).
4. Reinstall the rubber fuel tank hose onto the metal fuel pipe.
Tighten: Tighten the clamp to 2.5 Nm (25 lb in).
5. Lower the vehicle.
6. Reconnect the negative battery cable.

Parts Information

Part Number	Description
2048291	Clamp
12346192 (U.S.) *10953476 (Canada)	RTV Silicone Sealant
12377810	Fuel Tank (Gas) (1998-2000)
15734493	Sending Unit Seal (Gas) (1998-2000)
15705173	Fuel Tank Insulator
12470410	Fuel Tank (Diesel)
25028682	Sending Unit Seal (Diesel) Sending Unit Seal (Gas) (1996-1998)
15015715	Left Rear Parking Brake Cable
12389629	Fuel Tank (1996-1998)

Parts are currently available from GMSPO.