

Global Electric Motorcars, LLC

November 2007

Safety Recall No. 4 – Parking Brake

Global Electric Motorcars, LLC (GEM) has decided that a defect that relates to motor vehicle safety exists in certain GEM vehicles.

Please note: the recall remedy has already been completed on nearly all of the affected vehicles.

Models: Most VINs (last six) from 044906 through 045185.

IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. It is a violation of Federal law for a dealer to deliver a new motor vehicle covered by this notification until the defect is remedied.

Subject: An insufficient weld on the hand park lever brake assembly (parking brake) may fail; this failure causes a total loss of parking brake hold. GEM Low-Speed Neighborhood Electric Vehicles rely upon the parking brake to provide security against unwanted movement when the vehicle is parked. For this reason, a failure of the parking brake will allow the vehicle to roll away if it is parked on an incline, creating the risk of a crash or injury.

Remedy: The parking brake assembly on all affected vehicles will be replaced by with a new parking brake assembly.

Owner Notification and Service Scheduling: All involved vehicle owners known to GEM have been notified of the safety defect. They are requested to call (866) 764-0616 to identify an approved service provider and to schedule an appointment. A generic copy of the owner letter is attached. *Not every Dealer is approved to complete this recall service. Do not complete this recall service unless you have received advance authorization from GEM.*

Parts Information: Parts to complete this recall repair are currently available through the regular GEM parts system.

Service Procedure: See attached Service Bulletin - "Parking Brake Assembly Replacement". A copy of this Service Bulletin will also be included in all part kits.

Completion Reporting and Reimbursement: Claims for vehicles that have been serviced must be submitted on the GEMconnect warranty system. Claims submitted will be used by GEM to record recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

<u>Labor Operation Number</u>	<u>Time Allowance</u>
BRK-01-07 Coupe	0.3 hours
BRK-01-08 Sedan	0.4 hours

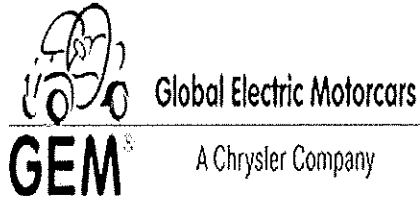
Add the cost of the recall parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual for complete recall claim processing instructions.

Vehicle Lists, Global Recall System, VIP and Dealer Follow Up: All involved vehicles have been entered into the GEMconnect Global Data Base System. Dealers can call the GEM Customer Service group at (866) 764-0616 to inquire about a specific VIN.

Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.

Additional Information: If you have any questions or need assistance in completing this action, please contact (866) 764-0616.



1301 39th Street NW, Suite 2 * Fargo, ND 58102 * Toll Free 866.764.0616 * Fax 701.446.0103 * www.gemcar.com

COVER SHEET

Park Brake Lever (Parking Brake) Recall

REV. 1.0 11/30/07

* The information contained in the attached document is of the latest released version. Use this as a reference. Insert the document in to the Service Publications Reference Guide Manual (Part # 1010-00223), Section 5 – Service Bulletins/Recommendations.

NOTICE – CONFIDENTIAL INFORMATION

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Global Electric Motorcars

A Chrysler Company

Models: 2007 MY
Part Number: 0211-00291
Description: Parking Brake Assembly

Bulletin Number: 07A1003
NHTSA Recall Number: 07V-516
Date: November 30, 2007

Service Bulletin

Subject: Parking Brake Assembly replacement.

Not every Dealer is approved to complete this recall service. Do not complete this recall service unless you have received advance authorization from GEM.

Affected VIN Range: Most VINS (last six) 044906 through 045185

Problem: An insufficient weld on the hand park lever brake assembly (parking brake) may fail; this failure causes a total loss of parking brake hold. GEM vehicles rely upon the parking brake to provide security against unwanted movement when the vehicle is parked. For this reason, a failure of the parking brake will allow the vehicle to roll away if it is parked on an incline, creating the risk of a crash or injury.

Solution: The Parking Brake Assembly must be replaced with a new Parking Brake Assembly.

Procedure:

- 1.) **BEFORE ATTEMPTING SERVICE, TURN THE MASTER DISCONNECT SWITCH (MDS), LOCATED IN THE ACCESS PANEL OF THE LOWER DASH, TO THE 'OFF' POSITION.**
- 2.) Gain access to the Parking Brake Assembly. (See Service Manual, Section 4 – BRAKES). Access will vary depending on Coupe or Sedan Model vehicle.
- 3.) Follow written procedure(s) in Model Year Specific 2007 Service Manual, Part # 1010-00232.

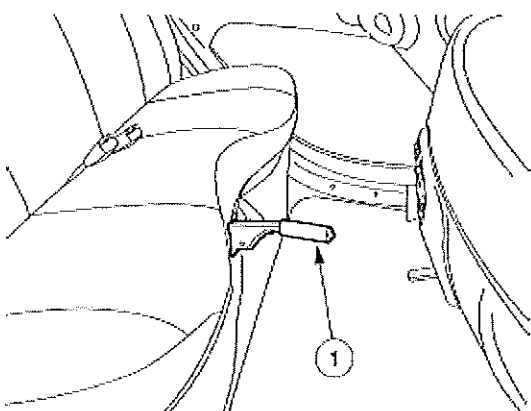


Photo 1 - Parking Brake Lever (Coupe Models)

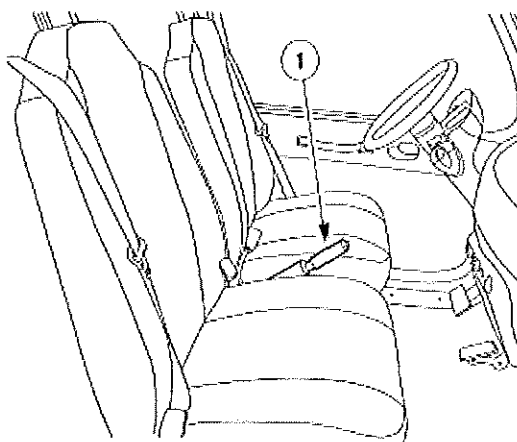


Photo 2 - Parking Brake Lever (Sedan Models)

Time and Reimbursements:

Labor Code BRK-01-07 Coupe	0.3 hrs
Labor Code BRK-01-08 Sedan	0.4 hrs

Special Notes: To ALL Service Providers: be absolutely sure to replace (per the instructions) the Parking Brake Assembly in every vehicle within the noted VIN Range.

PARK BRAKE LEVER ASSEMBLY

DESCRIPTION

The park brake lever is located between the driver and front passenger seats. On four-passenger models, it is mounted on top of the front seat tub. On all other models, it is mounted on the front of the bench seat tub.

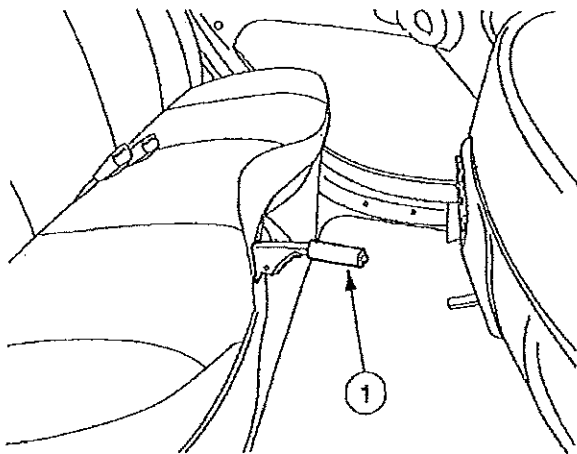


Fig. 9 Park Brake Lever (Coupe Models)

1 - Park brake lever

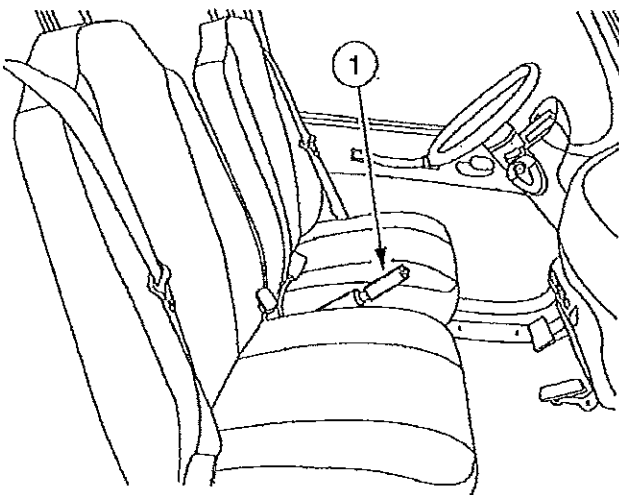


Fig. 10 Park Brake Lever
(Sedan Models)

1 - Park brake lever

OPERATION

Pulling up on lever causes the park brake adjuster assembly to pull on the park brake cables. A ratchet holds the park brake lever in place, maintaining pressure on the cables. A push button on the end of the park brake cable disengages the ratchet, allowing the lever to be returned to its normal position, thereby releasing the tension on the cables.

REMOVAL

WARNING: USE CAUTION WHEN WORKING NEAR BATTERIES. ALWAYS SWITCH MASTER DISCONNECT OFF AND COVER BATTERY TERMINALS TO PREVENT ELECTRICAL SHOCK. ACCIDENTAL CONTACT WITH BATTERY TERMINALS CAN RESULT IN DAMAGE OR PERSONAL INJURY.

TWO PASSENGER, SHORT BED UTILITY, LONG BED UTILITY COUPE MODELS

1. Chock wheels
2. Remove lower seat. See Bench Seat in Body section.
3. Switch master disconnect switch OFF, and cover battery terminals to prevent electrical contact.
4. Release park brake.
5. Locate threaded adjusting rod/cable at the end of the lever.
6. Using 1/2" open wrenches, remove jam and adjusting nuts from adjusting rod.
7. Remove the park brake switch connections.
8. Locate and remove mounting bolts from park brake lever brackets with 1/2" wrench or socket.
9. Remove the park brake lever assembly.

FOUR PASSENGER & SIX PASSENGER SEDAN MODELS

1. Remove the parking brake lever boot.
2. Release the park brake.
3. Raise and support the vehicle on a suitable hoist.
4. Locate threaded adjusting rod/cable at the end of the lever.
5. Using 1/2" open-end wrenches, remove jam and adjusting nuts from adjusting rod.
6. Remove the park brake switch connections.
7. Lower the vehicle.
8. Remove the mounting bolts from park brake lever brackets with 1/2" wrench or socket.
9. Remove park brake lever assembly.

INSTALLATION

TWO PASSENGER, SHORT BED UTILITY, LONG BED UTILITY COUPE MODELS

1. Position the park brake lever assembly.
2. Replace the mounting bolts through park brake lever brackets.
3. Connect the park brake switch wires to proper terminals on switch: Yellow/green on lowest most rearward terminal, white/green on center terminal, and green on upper (most forward) terminal.
4. Insert adjusting rod into park brake cable equalizer, replace adjusting and jam nuts.
5. Adjust tension on park brake cables. See Park Brake Cable Tension Adjustment in this section.
6. Install the lower seat. See Bench Seat in Body section.
7. Switch master disconnect switch ON.

FOUR PASSENGER & SIX PASSENGER SEDAN MODELS

1. Position the park brake lever assembly.
2. Install the mounting bolts through park brake lever brackets.
3. Connect the park brake switch wires to proper terminals on switch: Yellow/green on lowest most rearward terminal, white/green on center terminal, and green on upper (most forward) terminal.
4. Insert adjusting rod into park brake cable equalizer, replace adjusting and jam nuts.
5. Adjust tension on park brake cables. See Park Brake Cable Tension Adjustment in this section.
6. Switch master disconnect switch ON and install parking brake lever boot.

PARKING BRAKE CABLE ASSEMBLY

DESCRIPTION

Two cables are attached to the park brake lever by a tension equalizer and to the park brake actuator levers on the rear brake assemblies.

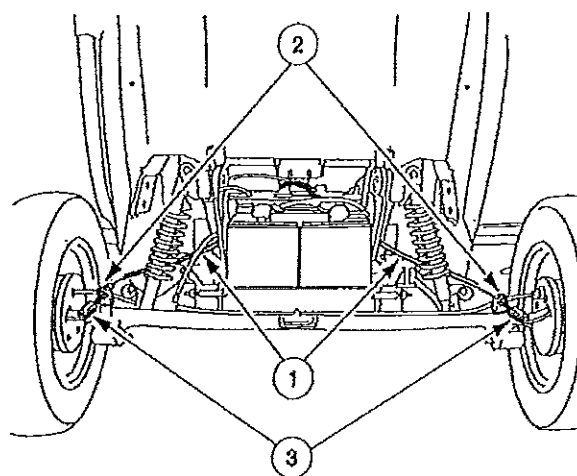


Fig. 11 Park Brake Cables

- 1 - Park brake cables
- 2 - Cable mounting bracket
- 3 - Actuator lever

REMOVAL

1. Chock the wheels.
2. Remove the lower seat. See Bench Seat in Body section.
3. Switch master disconnect OFF, and cover battery terminals to prevent electrical contact.
4. Release the park brake lever.
5. Remove the cables from the equalizer
6. Release the parking brake tension.
7. Remove the cotter pin and clevis pin from rear brake drum assembly
8. Remove the retaining rings from rear mounting points.
9. Pull cable back and downward to release.

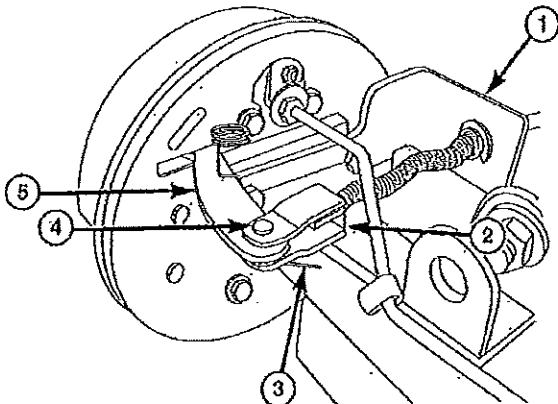


Fig. 12 Parking Brake Cable Attachment

- 1 - Cable mounting bracket
- 2 - Cable end
- 3 - Cotter pin
- 4 - Clevis pin
- 5 - Actuator lever

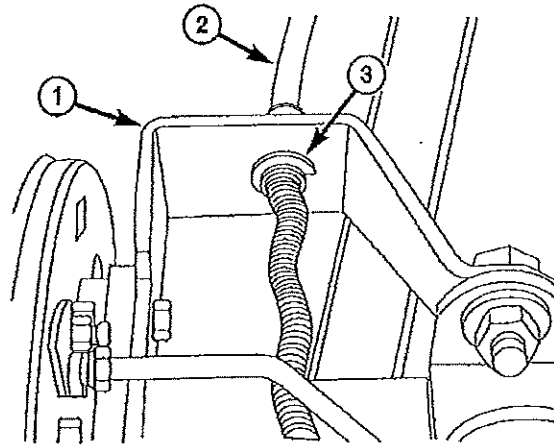


Fig. 13 Parking Brake Cable Mounting

- 1 - Mounting bracket
- 2 - Parking brake cable
- 3 - Retaining ring

INSTALLATION

1. Install park brake cable into retainer on frame, attach with retaining rings.
2. Position cable end over park brake actuator lever on rear brake assembly. Insert clevis pin to attach, insert cotter pin in clevis to retain pin.
3. Insert park brake cables into the equalizer
4. Adjust tension on park brake cables. See Park Brake Cable Tension Adjustment in this section.
5. Uncover battery terminals and switch master disconnect switch ON.
6. Install lower seat. See Bench Seat in Body section.

PARKING BRAKE CABLE ASSEMBLY (6 PASSENGER ONLY)

REMOVAL

1. Remove the rear brake shoes. See Brakes in this section.
2. Disconnect the parking brake cables from the tension equalizer.
3. Separate the parking brake cables at the front frame from the brake backing plate. Use a 13 mm 12-point box end wrench to aid in this step.
4. Drill out 3 rivets per side and remove the parking brake cable.

INSTALLATION

1. Position parking brake cables and install.
2. Join the parking brake cables at front frame to the brake backing plate.
3. Connect the parking brake cables to the tension equalizer.
4. Install the rear brake shoes. See Rear Brake Assembly in this section.

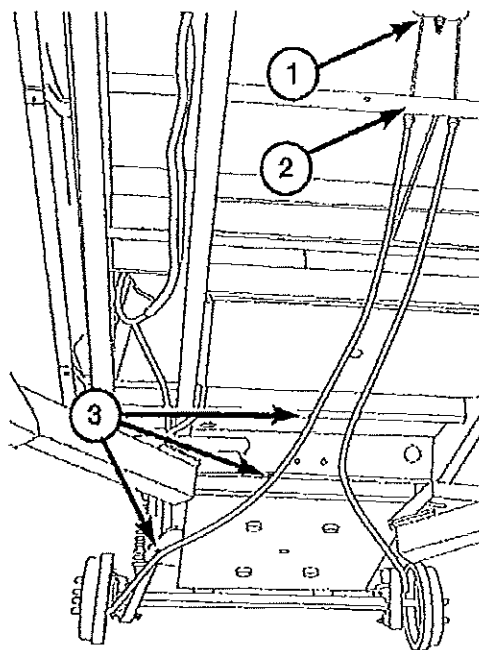


Fig. 14 Parking Brake Cable Assembly

- 1 - Equalizer
2 - Brake backing plate
3 - Rivets (3 per side)

TORQUE SPECIFICATIONS

Description	Thread Size	Use Loctite® 242	Inch- Pounds	Foot Pounds
Brake, parking - cable mount to rear suspension	½" x 13	NO	---	50

PARK BRAKE CABLE TENSION ADJUSTMENT

1. Chock wheels
2. Release park brake.
3. Locate threaded adjusting rod/cable assembly at the end of the lever.
4. Using 1/2" open-end wrenches, back off rear nut to release forward adjusting nut.
5. Thread forward adjusting nut forward or backward as needed to adjust tension.
6. Tighten rear nut against adjusting nut to lock in place.
7. Apply park brake and test by attempting to roll vehicle forward by pushing it. If vehicle moves, repeat tension adjustment procedure.

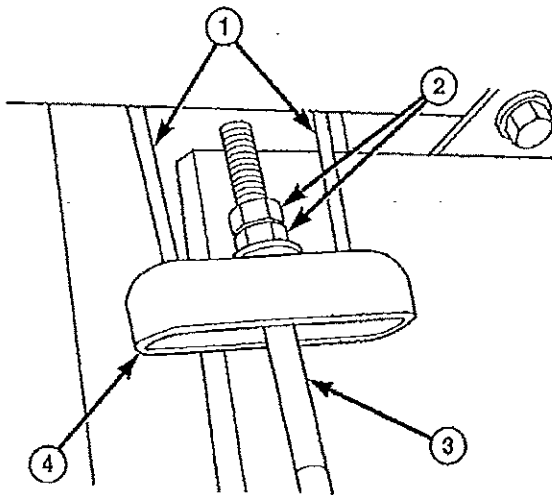


Fig. 15 Park Brake Cable Tension Adjustment

- 1 - Park brake cables (to rear wheels)
- 2 - Jam nuts
- 3 - Adjusting rod/cable assembly
- 4 - Tension equalizer

NOTE: The vehicle may be driven with the park brake lever set. Be sure to release the park brake lever before operation.