

SERVICE PROCEDURE

**G-10502
MAY 2010**

SUBJECT: SAFETY RECALL
BATTERY CABLES on certain CE model buses built 1/20/03 thru 6/31/04 with an INTERNATIONAL[®] T444E engine, hydraulic brakes, and parking brake feature codes 4036 and 04GAB.

DEFECT DESCRIPTION

There may be chafing between the battery and/or engine ECM clean power cables and the parking brake cable which may result in an electrical short. An electrical short may cause a fire without warning which can result in property damage, personal injury, or death.

MODELS INVOLVED

This Safety Recall involves certain CE model buses built 1/20/03 thru 6/31/04 with an INTERNATIONAL[®] T444E engine, hydraulic brakes, and parking brake feature codes 4036 and 04GAB.

PARTS INFORMATION

Part Number	Part Description	Quantity
8900214R91	Kit, SR 10502 Battery Cable Repair	1

PART NUMBER contains the following parts:

Part Description	Quantity
Dual Wall Heat Shrink, 3/0 thru 4/0 Battery Cable, 50 mm length	2
Dual Wall Heat Shrink, 50 mm length	2
Battery Cable Tie Strap, 0.50 x 20"	1

SERVICE PROCEDURE

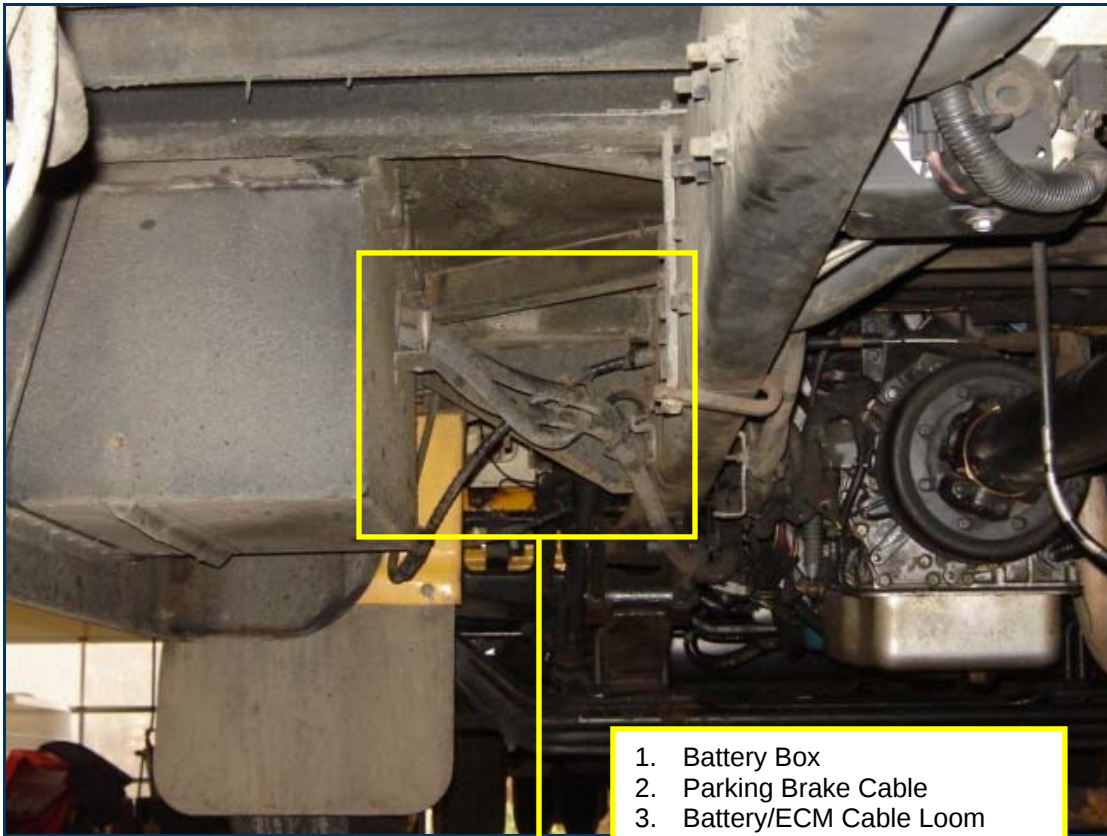
WARNING! PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

WARNING! ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN SERIOUS EYE INJURY.

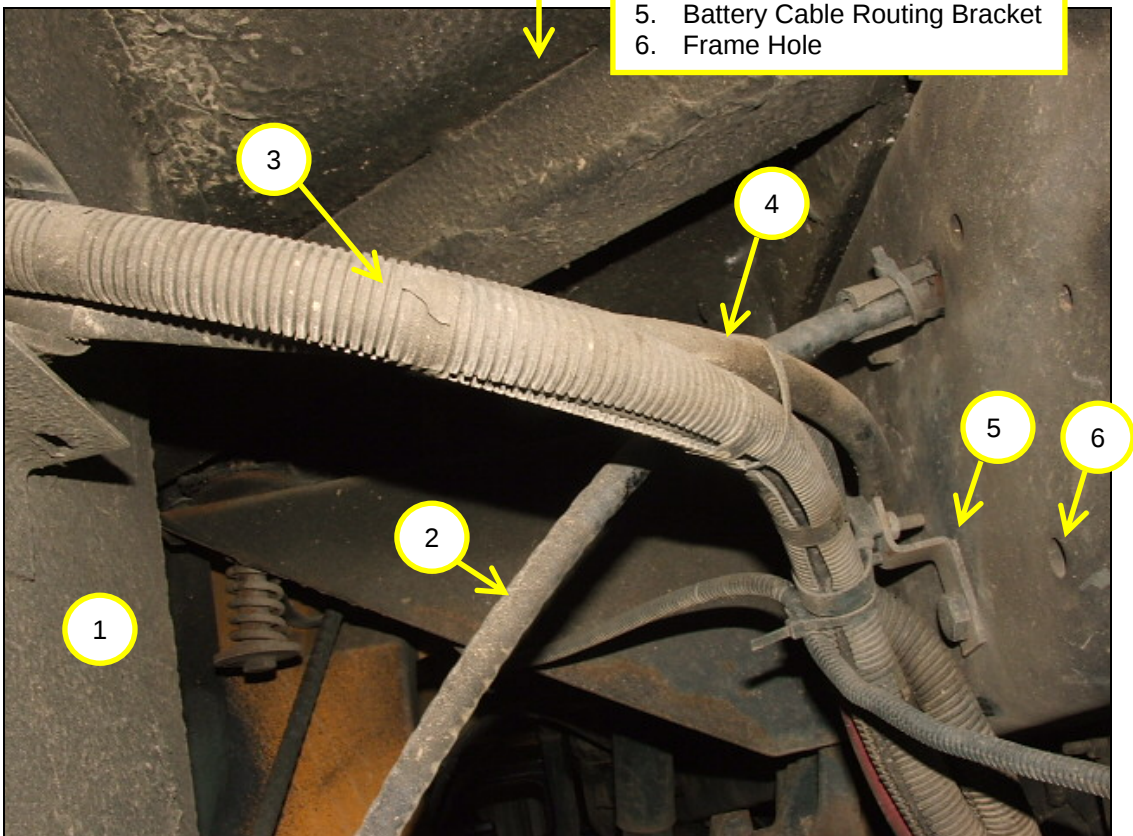
WARNING! ALLOW COMPONENTS IN ENGINE COMPARTMENT TO COOL BEFORE SERVICING ENGINE OR VEHICLE. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

WARNING! KEEP FLAMES OR SPARKS AWAY FROM VEHICLE AND DO NOT SMOKE WHILE SERVICING THE VEHICLE'S BATTERIES. BATTERIES EXPEL EXPLOSIVE GASES. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, AND/OR DEATH.

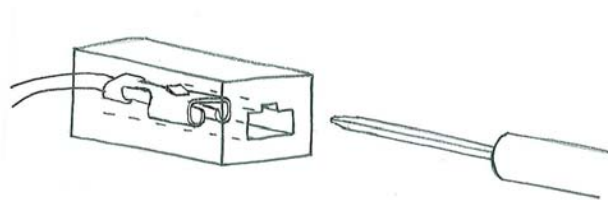
1. Inspect the routing of the vehicle battery cables where they exit the battery box. This repair only applies to vehicles whose battery cables route near the parking brake cable as shown in the pictures below. If the vehicle does not have this battery cable routing, no repair is required and the service procedure is complete.
2. Locate the frame mounted battery cable routing bracket and the frame hole approximately 4 inches rearward of the routing bracket.
3. Separate the battery cable loom from the frame routing bracket by cutting the tie strap.
4. Move the battery cable routing bracket to the frame hole approximately 4 inches rearward.
5. Remove tie straps as necessary to inspect the battery cables and engine ECU clean power cables and determine if the insulation of any of the cables has been chafed due to contact with the parking brake cable.



1. Battery Box
2. Parking Brake Cable
3. Battery/ECM Cable Loom
4. Battery Cable
5. Battery Cable Routing Bracket
6. Frame Hole



6. If no electrical cable insulation chafing is found, route battery and engine ECM clean power cables away from the parking brake cable. Use the battery cable tie strap from the parts kit to attach the battery/ECM power cable loom to the frame mounted routing bracket. Replace any standard tie straps removed for inspection with standard cable ties from stock. Service procedure is complete.
7. Access the battery box; disconnect the engine ECU clean power positive connector; disconnect the engine ECU clean power negative connector; disconnect the negative battery cable at the battery; disconnect the positive battery cable at the battery.
8. Pull the cables that need insulation repair out thru the rear of the battery box.
9. If any of the cables in the loom need insulation repair, remove the loom and separate the cables from each other.
10. If either engine ECM clean power cable needs insulation repair, remove the engine clean power cable connector. The wire terminals are retained in the connector body using a tab and post system. While gently pulling on the wire, insert a screwdriver into the connector body to push the tab on the wire terminal down to clear the connector body post.



11. Install the heat shrink tubing on the cables that need insulation repair.
12. As applicable, install the engine clean power cable connector(s). The tab on the wire terminal may need to be bent slightly to catch the post in the connector body. The wire terminal should snap in place.
13. As applicable, tape the cables routed in the loom together and install the loom.
14. Install the loom and/or repaired battery cable into the battery box.
15. Connect the positive battery cable to the batteries; connect the negative battery cable to the batteries; connect the engine ECU clean power connectors; close the battery box.

16. Route the individual battery cable and the battery cable loom away from the parking brake cable. Use the battery cable tie strap from the parts kit to attach the cable loom to the routing bracket. Replace any standard tie straps removed for repair with standard cable ties from stock.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-10502-1	Vehicle Inspected & No Repair Required	0.3
A40-10502-2	Vehicle Inspected, Cables Inspected, Routing Repaired, No Cable Insulation Repairs Required	0.4
A40-10502-3	Vehicle Inspected, Cables Inspected, Routing Repaired, Cable Insulation Repairs Required	0.7

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign must be marked with a CTS-1075 Campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.

DO NOT REMOVE

INTERNATIONAL

Campaign No.

VIN
Eng.#

COMPLETED

Service Location Code #

DO NOT REMOVE

ADMINISTRATIVE/DEALER RESPONSIBILITIES

WARRANTY CLAIMS

Refer to Dealer Warranty Manual for procedures to conduct Recall Campaigns.

It is important that the Recall Coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44:

GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—	NOUN Leave blank	C (CAUSE) Enter either 1, 2, 3. (see below)	WARRANTY (Warranty Code) Enter 40.	TYPE PART Enter P for type part causing failure.	PAD Enter 100
		1. Inspected (No repair required).			
		2. Inspected and repaired.			
		3. Defective part from parts stock.			

UNITED STATES AND POSSESSIONS

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle that is subject to a vehicle recall campaign must be adequately repaired within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within 60 days after a tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within 60 days, the owner may be entitled to replacement with an identical or reasonable equivalent vehicle at no charge, or to a refund of the purchase price less a reasonable allowance for depreciation.

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list may contain information obtained from state motor vehicle registration records and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

NAVISTAR, INC