

SERVICE PROCEDURE

G-07507

June 2007

SUBJECT: SAFETY RECALL (U.S.)

**AUXILIARY POWER UNIT on certain 9000 Models
built 7/20/2006 thru 3/19/2007**

DEFECT DESCRIPTION

The diesel engine/generator unit can be started remotely by a person in the truck cab while its protective cover is removed; and under certain conditions the engine may re-start after the emergency fuel cutoff is used to shut down the unit. An unexpected starting of the diesel engine/generator unit, when the protective cover is removed and maintenance is being performed, may result in personal injury.

MODELS INVOLVED

This Safety Recall involves certain 9000 models built 7/20/2006 thru 3/19/2007 with feature code 0012WTK -- *AUXILIARY POWER 2 Cylinder Diesel Engine, With 6 KW Generator, Power Distribution Center, With A/C Controls, Load Center, Automatic Transfer Switch, Battery Charger, With Shore Power No Idle Solution*

PARTS INFORMATION

Part Number	Part Description	Quantity
8900203R91	KIT,SVC RECALL APU	1
Dealer Stock	STRAP-LOCK	As Necessary
Dealer Stock	ELECTRICAL TAPE	If Necessary

The kit **8900203R91** contains the following parts:

MECHRON POWER SYSTEMS Part Number	Part Description	Quantity
1066042	ASSEMBLY, CAB CONTROLLER, INTL	1
1068955	ASSEMBLY, ENGINE CONTROLLER, J1939, INTL	1
1065962	ASSEMBLY, INTEGRATED HVAC UNIT	1
1069808	LABEL, SERVICE PANEL, WARNING	1
1069809	LABEL, APU COVER, INTERNATIONAL	1
1069880	MISC, SPLIT LOOM, 3/4" ORANGE	186"
1069883	MISC, SPLIT LOOM, 3/8" ORANGE	102"
1058680	MISC, CABLE TIE, 3-7/8" BLACK, NYLON	6
VIN SPECIFIC	PASSENGER SIDE LUGGAGE DOOR	IF NECESSARY SEE NOTE BELOW

NOTE: RECALL KITS ARE VEHICLE SPECIFIC. YOU ARE REQUIRED TO PROVIDE THE VIN TO THE PDC TELEMARKETER WITH THE KIT ORDER.

SOME RECALL SERVICE KITS WILL CONTAIN A NEWLY DESIGNED, VIN SPECIFIC, PRE-PAINTED PASSENGER SIDE LUGGAGE DOOR.

PARTS RETURN DISPOSITION

You are required to return the following **REMOVED** parts once removed from vehicle (a return tag is included in the recall service kit):

MECHRON POWER SYSTEMS Part Number	Part Description	Quantity
1066042	ASSEMBLY, CAB CONTROLLER, INTL	1
1059886	ASSEMBLY, ENGINE CONTROLLER, J1939, INTL	1
1065962	ASSEMBLY, INTEGRATED HVAC UNIT	1

Parts must not be damaged during removal.

SERVICE PROCEDURE



WARNING:

TO PREVENT SERIOUS EYE INJURY, ALWAYS WEAR SAFE EYE PROTECTION WHEN YOU PERFORM VEHICLE MAINTENANCE OR SERVICE.



WARNING:

TO PREVENT UNEXPECTED MOVEMENT OF THE VEHICLE AND POSSIBLE SERIOUS PERSONAL INJURY OR DEATH, BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS.

ISOLATING SYSTEM

- 1.0 Isolate the APU diesel/engine generator from starting unintentionally by disconnecting the negative battery terminal and cab control unit.

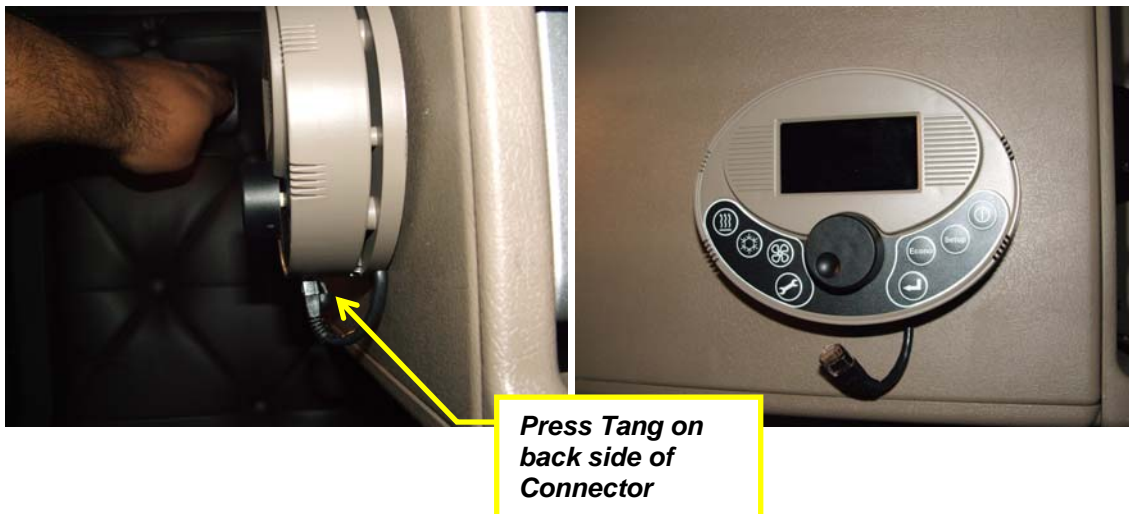


Figure 1 – Disconnect Cab Control Unit Connector

NOTE: PRESS TANG ON BACK SIDE OF CONNECTOR. DO NOT FORCEFULLY REMOVE CONNECTOR OR DAMAGE TO CONNECTOR AND CONTROL UNIT WILL OCCUR.

DIESEL ENGINE/GENERATOR UPGRADE

2.0 Remove cover from diesel engine/generator.

3.0 Remove handle from cover and clean entire label application surface.



Figure 2

4.0 Install long warning label. Ensure holes in label line up with handle mounting holes in cover.



Figure 3

5.0 Re-install cover handle.



Figure 4

- 6.0 Remove diesel engine/generator control unit connector by loosening screw in connector

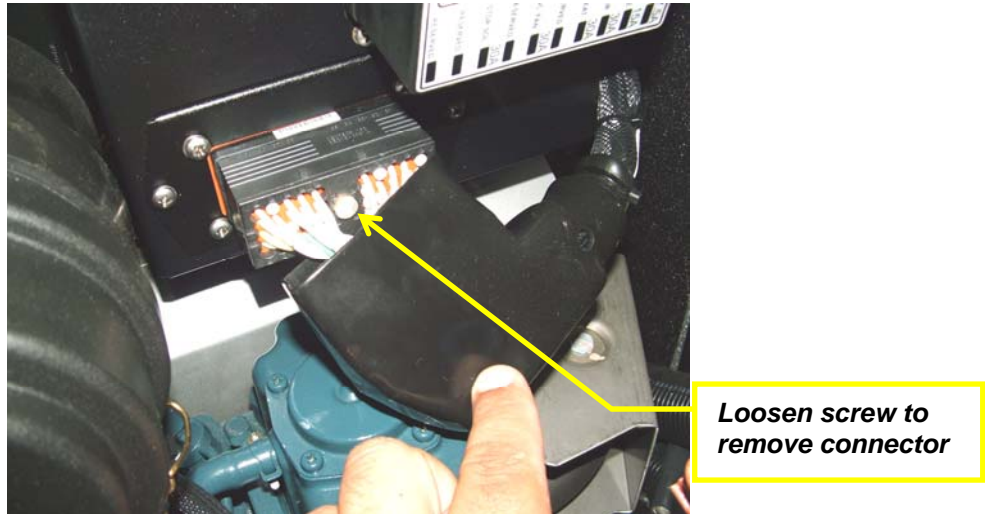


Figure 5

- 7.0 Remove diesel engine/generator control unit by removing two (2) outer screws.

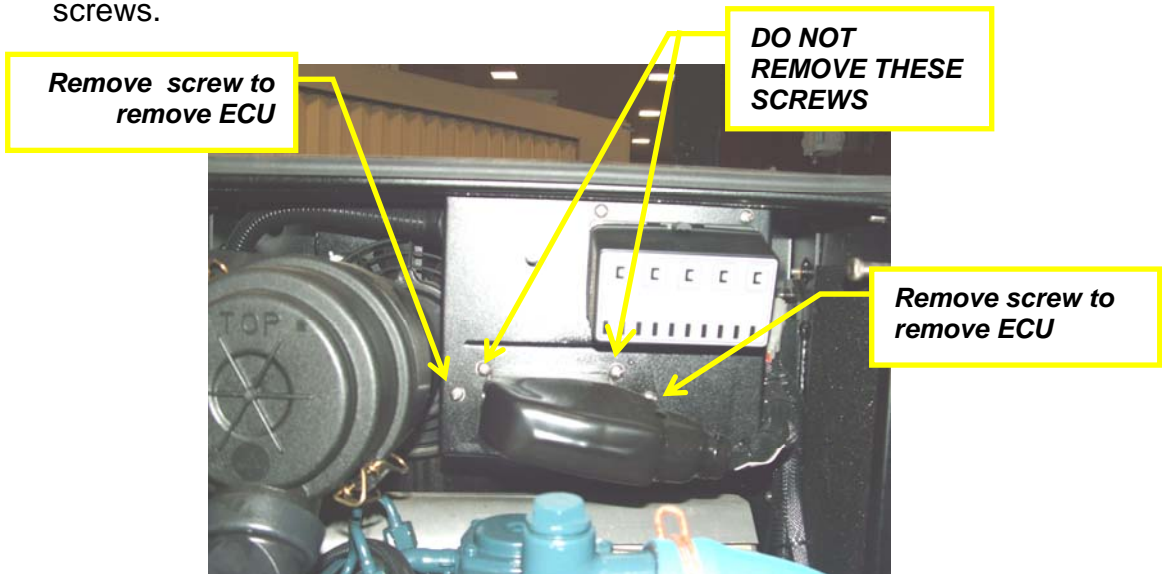


Figure 6

8.0 Clean surface area rearward of fuse box and install small label.

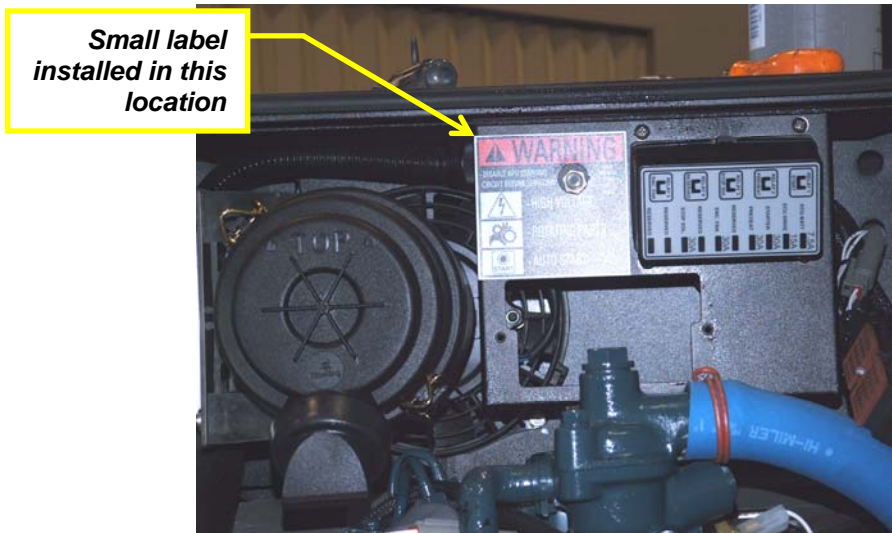


Figure 7

9.0 Reverse steps 7 & 6 to install new diesel engine/generator control unit.

10.0 Re-install and secure diesel engine/generator cover.

HVAC UNIT REPLACEMENT

11.0 Inside the cab sleeper, raise and secure the bunk. Remove the accessory tray to gain access to the rear of the auxiliary HVAC unit.

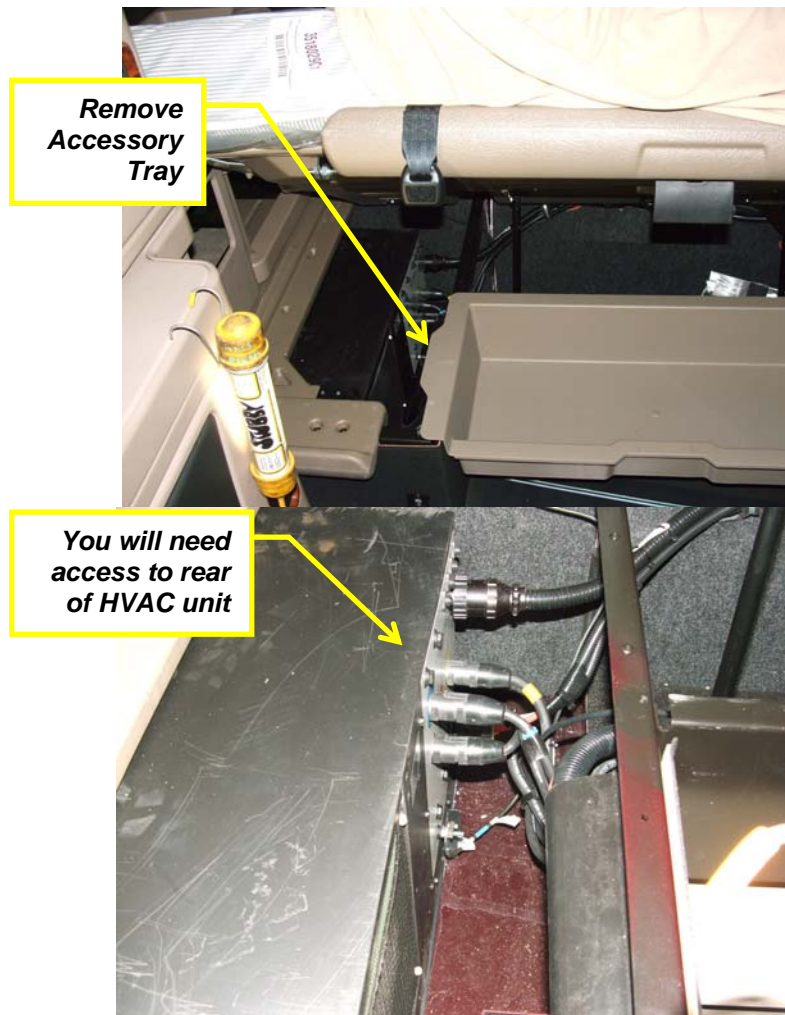


Figure 8

NOTE: USE A TROUBLE LIGHT TO ILLUMINATE THE LUGGAGE BOX AREA AS THE SLEEPER ELECTRICAL SYSTEM WAS DISABLED IN STEP 1.

12.0 Disconnect all electrical connections on back side of auxiliary HVAC unit.

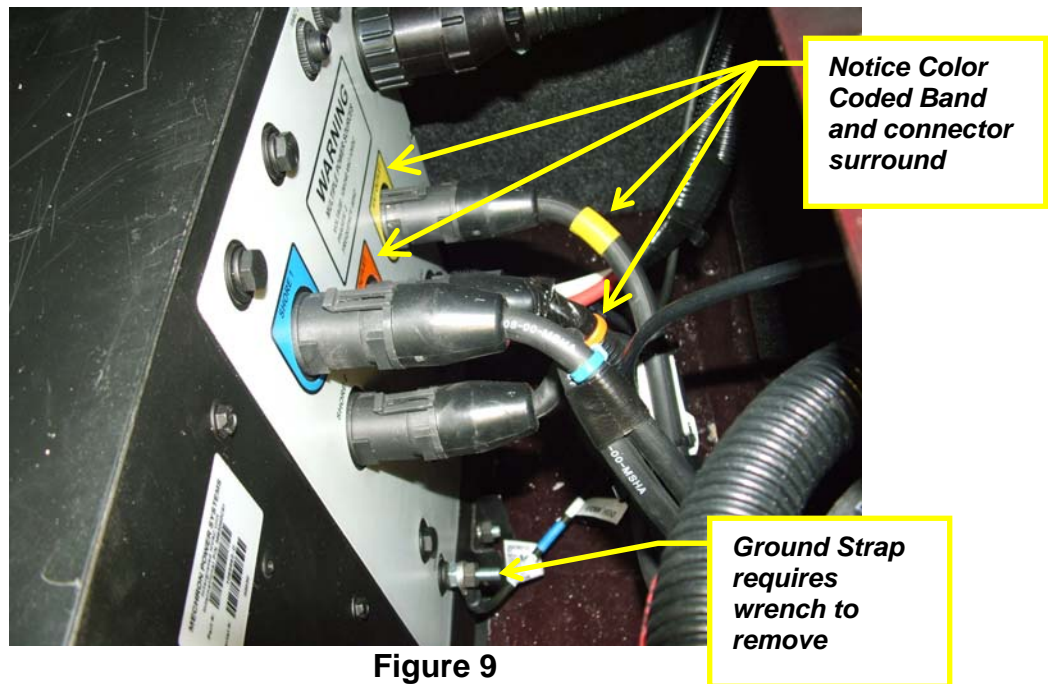


Figure 9

NOTE: Each electrical harness connector will have a colored band to indicate it's mating HVAC unit connector.

13.0 Remove two (2) retaining nuts and lock washers securing HVAC unit to cab floor.

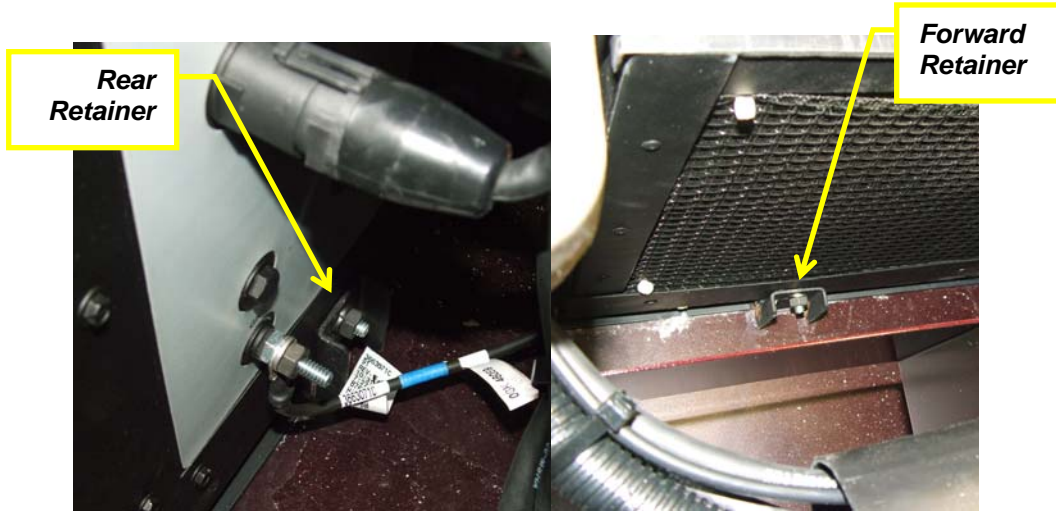


Figure 10

14.0 Remove passenger side luggage door retaining bolt.

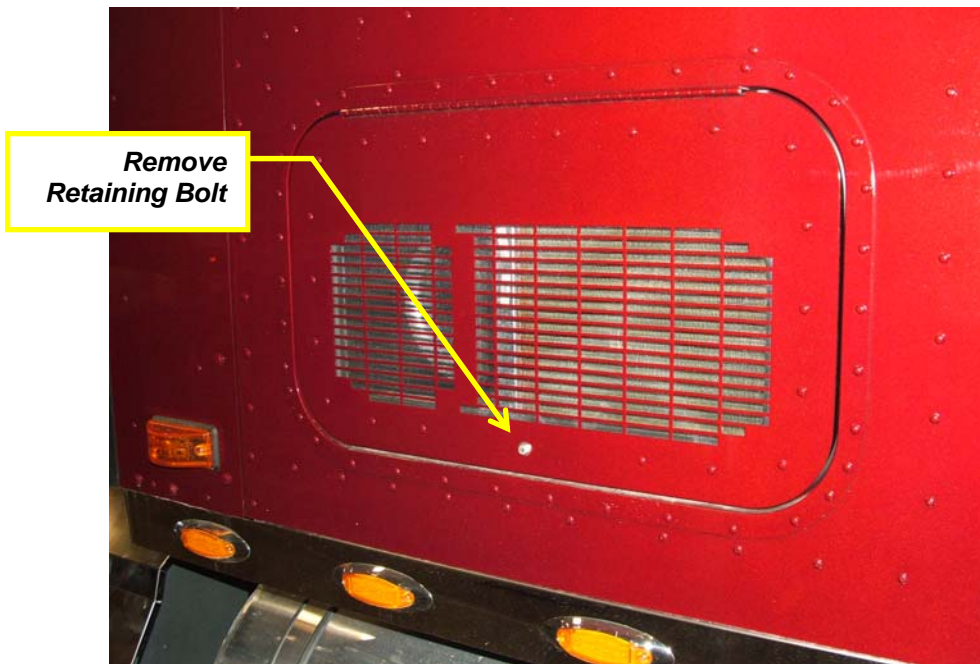


Figure 11

NOTE: SOME VEHICLES REQUIRE THE PASSENGER SIDE LUGGAGE DOOR TO BE REPLACED. IF THE RECALL SERVICE KIT CONTAINED A LUGGAGE DOOR, YOU MAY COMPLETELY REMOVE THE DOOR IN THIS STEP.

IF THE RECALL SERVICE KIT DID NOT CONTAIN A NEW DOOR, CONTINUE TO STEP 15.

15.0 Some vehicles may have the passenger luggage door release cable and miscellaneous electrical connectors secured to top of HVAC unit. Please remove from top of HVAC unit and secure these cables out of the way.



Figure 12

16.0 Remove luggage door weather seal.

17.0 Remove HVAC drain fittings from underside of sleeper. Save hardware, it will be re-used on new HVAC unit.



Figure 13 – Looking up at underside of Sleeper Floor (HVAC fittings)

18.0 Protect exterior surface of cab while extracting HVAC unit.



Figure 14

NOTE: It is not recommended to use duct tape directly on painted surface. An initial layer of standard masking tape, then a layer of duct tape was used for Figure 14.



WARNING:

TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, USE TWO (2) PEOPLE TO REMOVE THE HVAC UNIT.

THE HVAC UNIT WEIGHS 135 LBS (62KG) AND IS HEAVIEST TOWARDS ITS REAR, OR ELECTRICAL CONNECTORS.

19.0 Slide HVAC unit gently out of luggage door.



Figure 15

20.0 Install new HVAC unit.

21.0 Re-install underfloor cab drains while HVAC unit is loose.



Figure 16

22.0 Secure HVAC unit to cab floor.

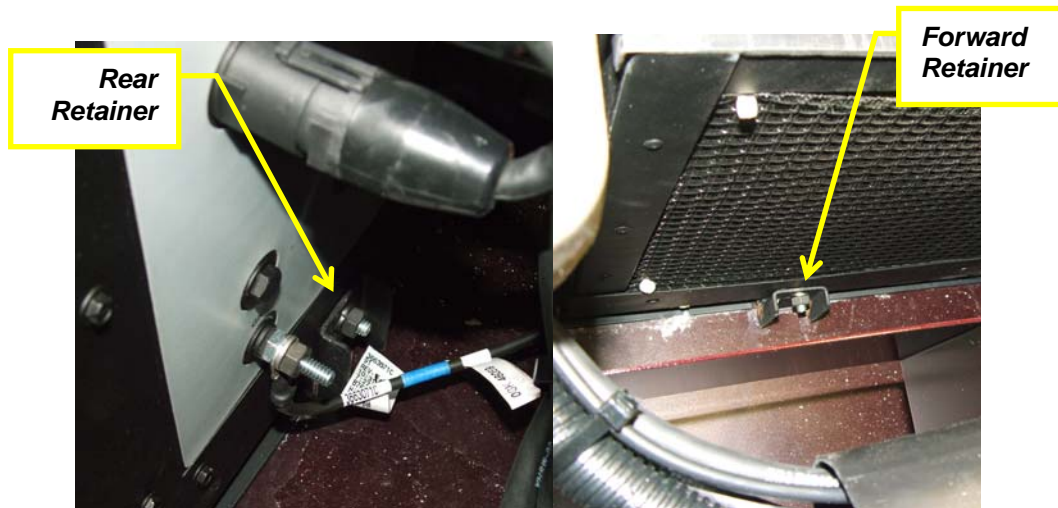


Figure 17

HIGH VOLTAGE CABLE LOOM INSTALLATION

23.0 Install $\frac{3}{4}$ " orange loom from the kit on the main power cable between the engine/generator and cab floor **over** existing cable.

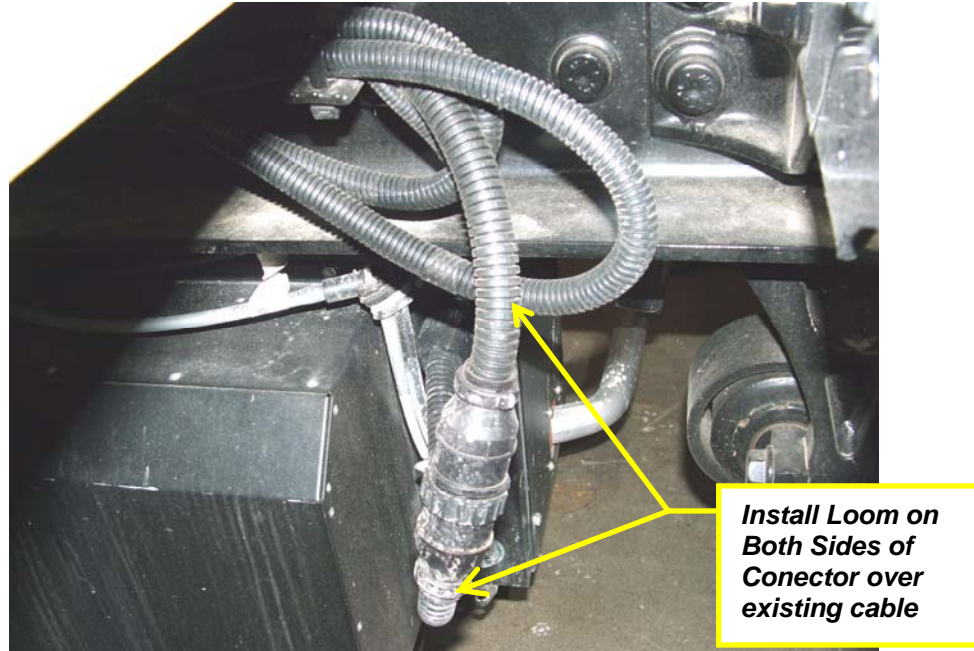


Figure 18a



Figure 18b – Loom Installed

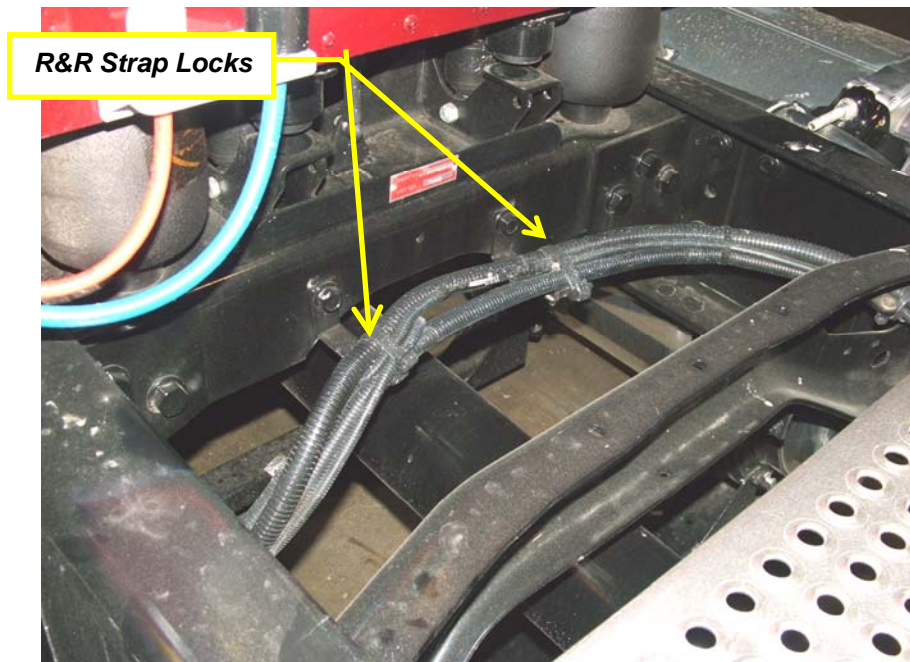


Figure 18c



Figure 18d – Loom Installed

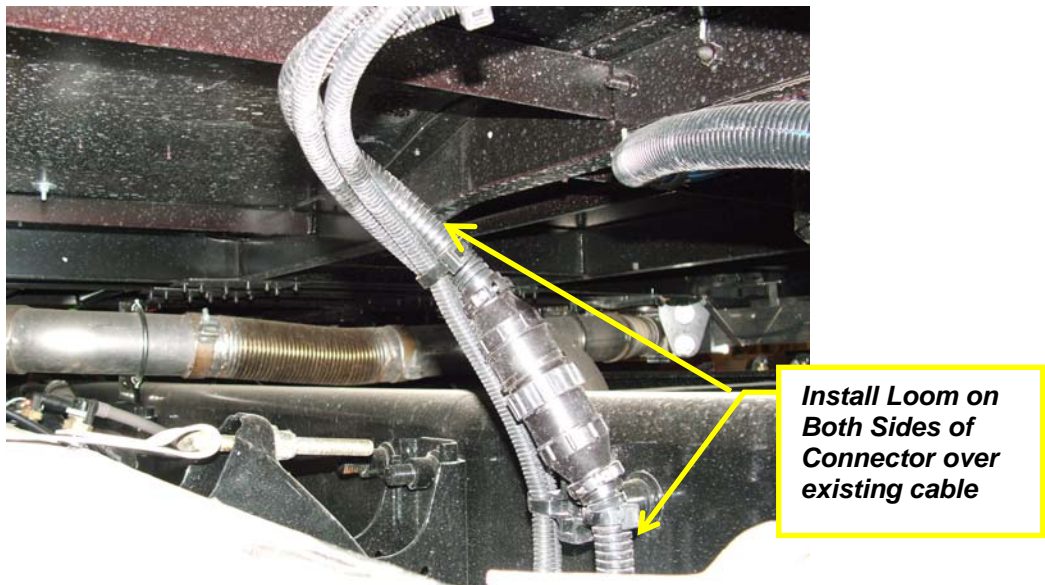


Figure 18e



Figure 18f – Loom Installed

24.0 Install 3/8" loom on power outlet box supply cable on back of cab.



Figure 19

25.0 Add loom to the following HVAC unit cables between HVAC unit and cab wall:

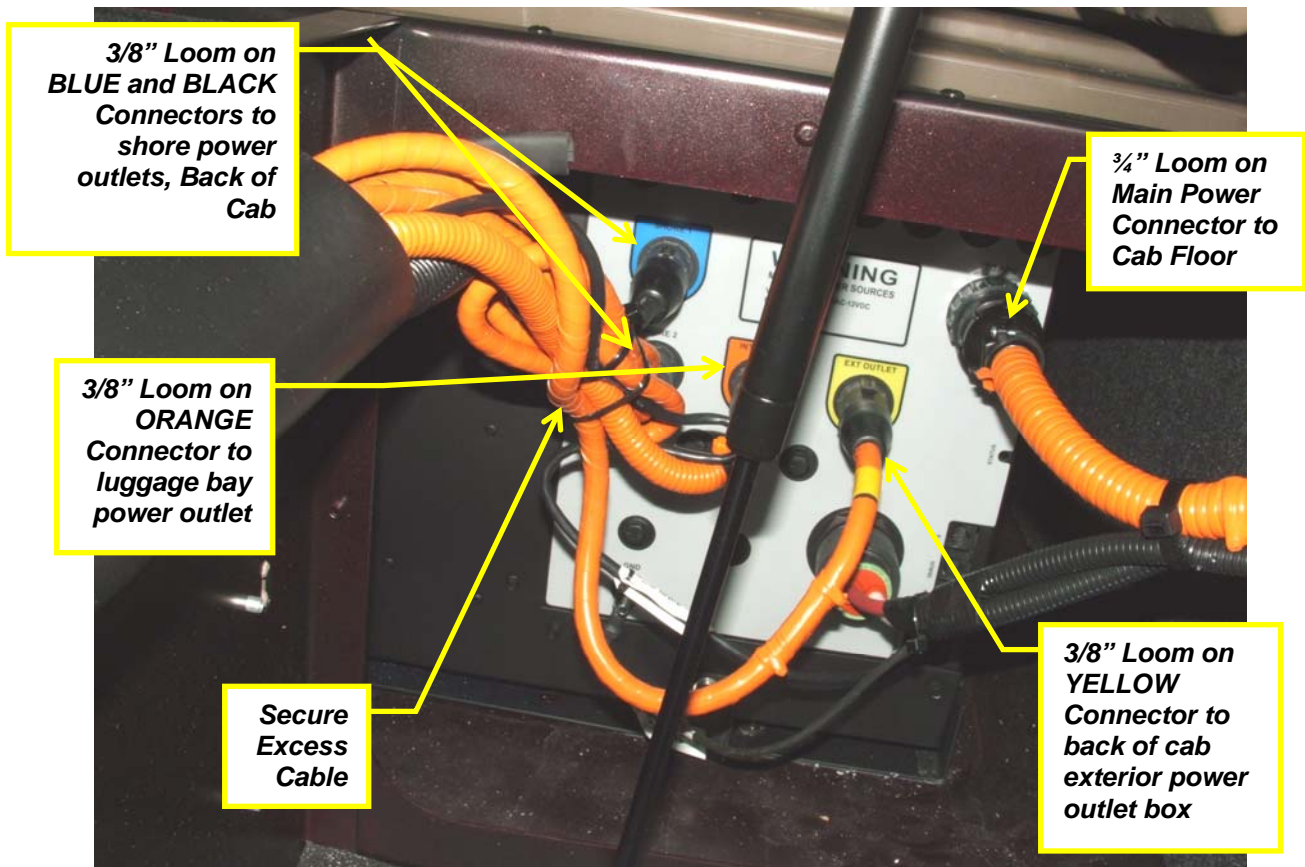


Figure 20a

Follow existing rout and clip points and secure excess cable as indicated.

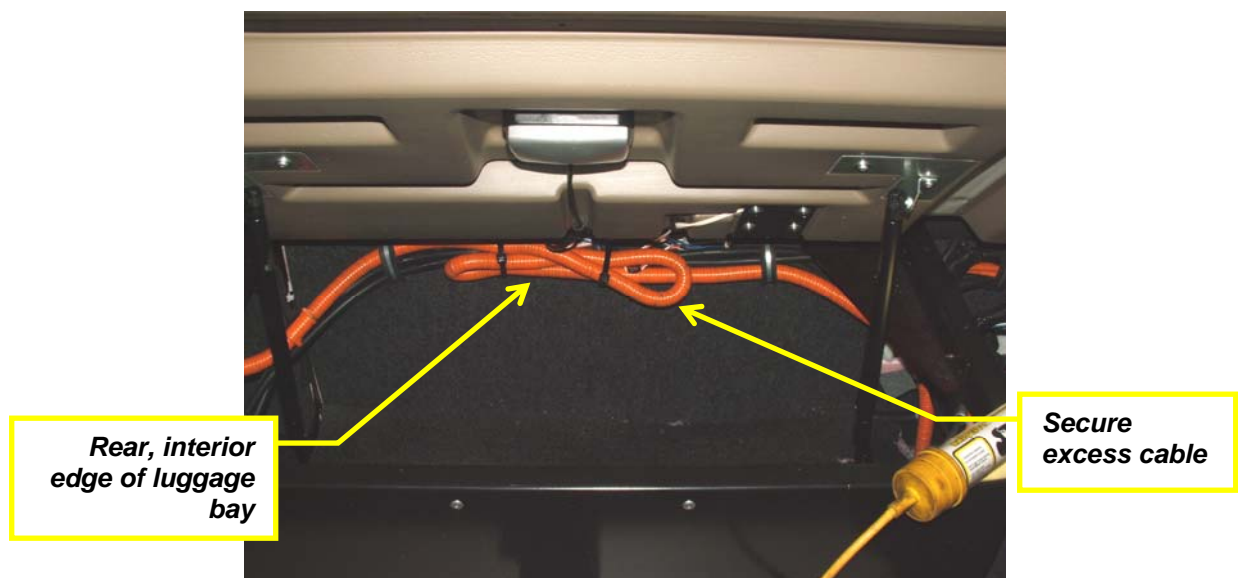


Figure 20b

Secure cables around perimeter of luggage bay:

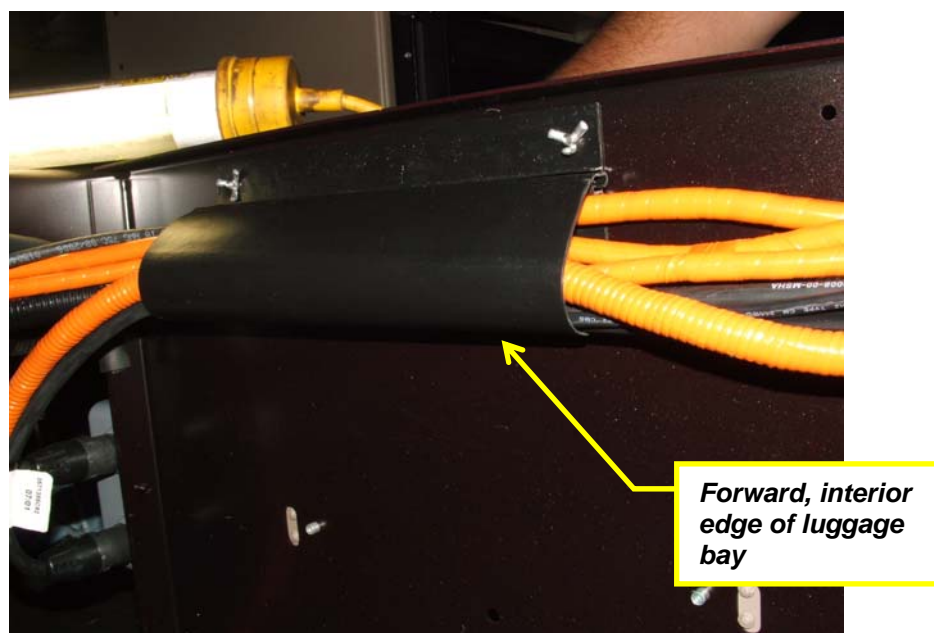


Figure 20c

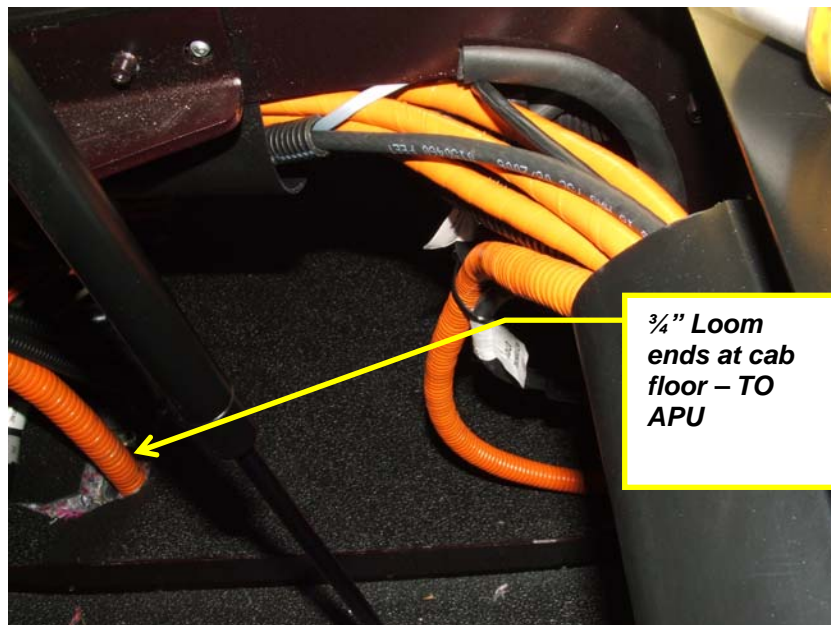


Figure 20d

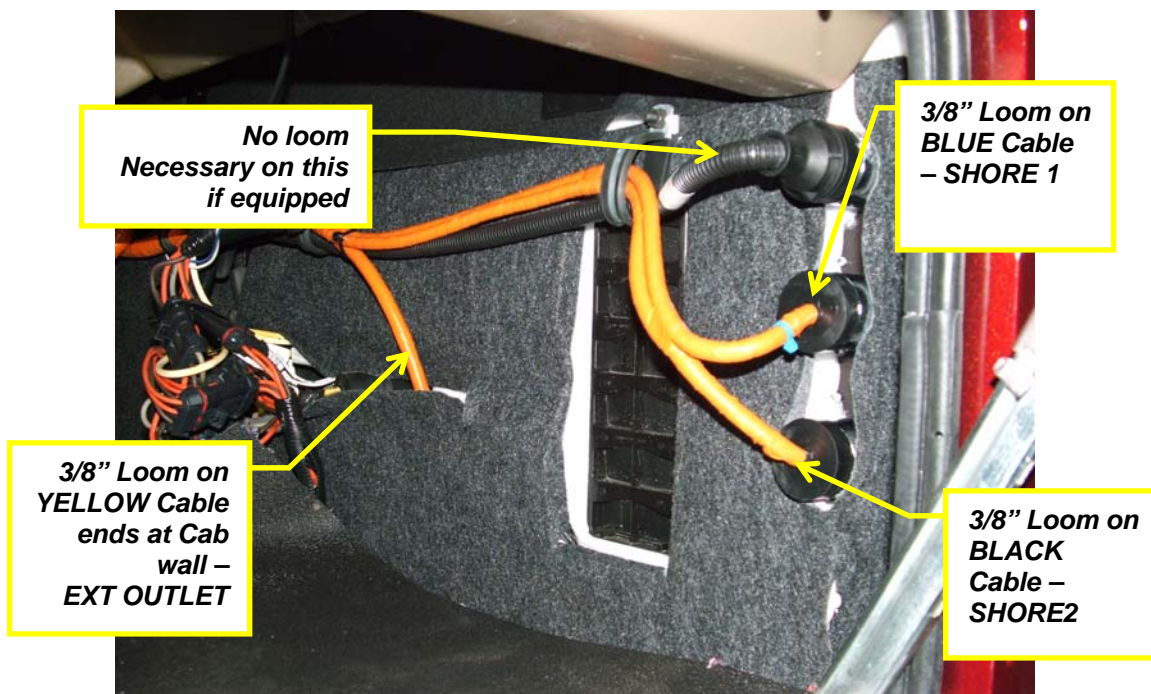


Figure 20e

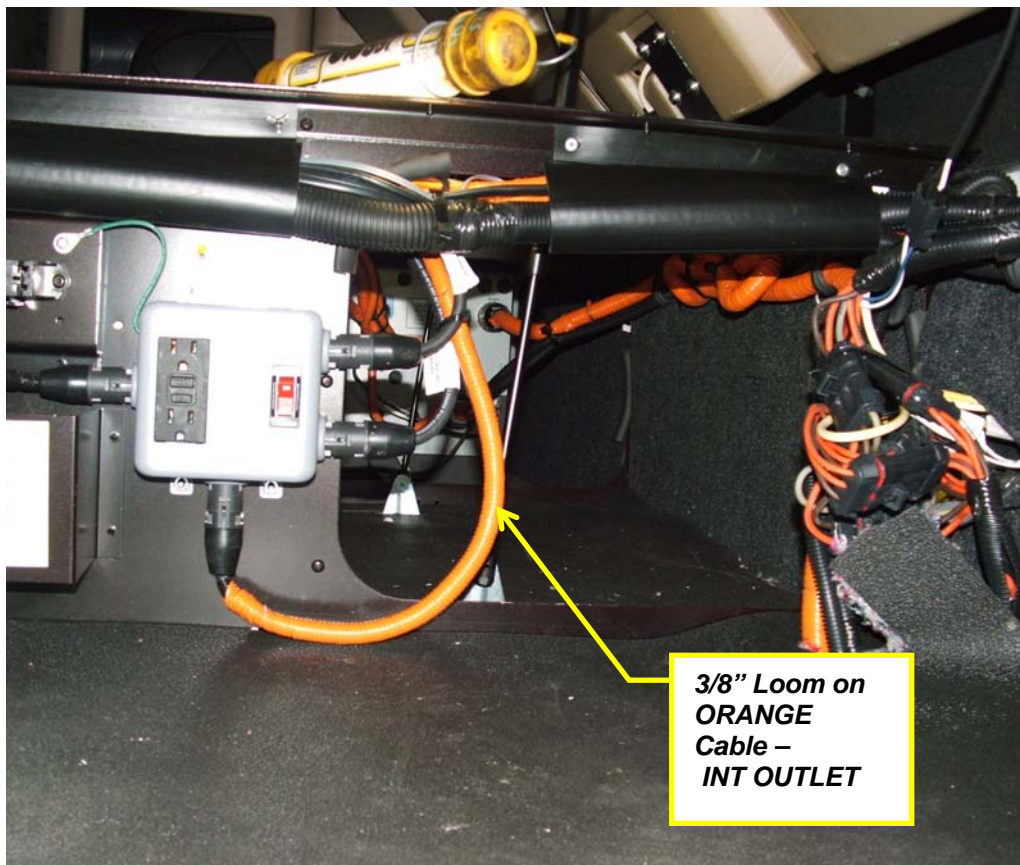


Figure 20f

BUNK CONTROL PANEL REPLACEMENT

26.0 Remove screw on underside of bunk control panel.

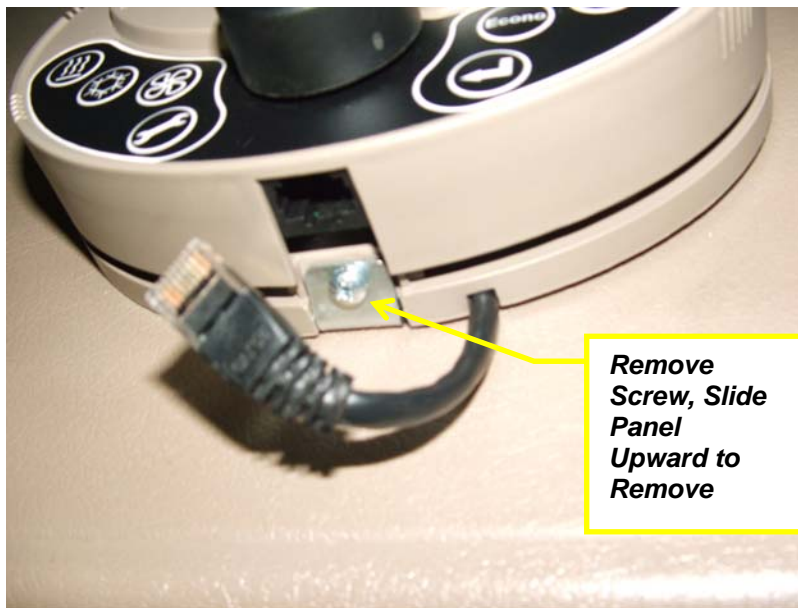


Figure 21

27.0 Install new bunk control panel, tighten screw and re-attach connector.



Figure 22

28.0 Re-attach negative battery cable.

29.0 Start unit to ensure it is working properly.

30.0 A revised operator's manual for the No-Idle APU/HVAC System was mailed with the vehicle owner with his recall notification. Please verify owner has received updated operators manual (p/n 3672672R1). New manuals can be obtained from International's Compliance Coordinator or by contacting Moore Wallace for the part number above.

END OF SERVICE PROCEDURE

LABOR INFORMATION

<u>Operation No.</u>	<u>Description</u>	<u>Time</u>
A40-07507-1	<i>Install Recall Service Kit</i>	2.3 hr

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.

A rectangular label form with a black border. At the top and bottom, it says "DO NOT REMOVE" in white capital letters. In the center, there is a white rectangular area with black text. The text includes "INTERNATIONAL" in bold, "Campaign No." followed by a blank line, "VIN" followed by a blank line, "Eng.#" followed by a blank line, "COMPLETED" in bold, and "Service Location Code #" followed by a blank line.

ADMINISTRATIVE/DEALER RESPONSIBILITIES (U.S. & POSSESSIONS)

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 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.

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.

However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

To avoid having to replace an owner vehicle or refund the purchase price, every effort must be made to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible.

During the recall process, a listing of owner names and addresses will be furnished to the involved dealers to enable dealers to follow up with owners and have the vehicles corrected. You must limit the use of this listing 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.

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)						
1. Inspected (No repair required).						
2. Inspected and repaired.						
3. Defective part from parts stock.						
WARRANTY (Warranty Code) Enter 40.						
TYPE PART Enter P for type part causing failure.						
PAD Enter 100						

ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY (EXPORT)

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 from your distributor location.

Export locations are to submit warranty claims in the usual manner making reference to this recall number.

We ask for your full cooperation and follow-up to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

INTERNATIONAL TRUCK AND ENGINE CORPORATION