

G-04512-R1
March 2005

SUBJECT: SAFETY RECALL (U.S., EXPORT)
POWER STEERING HOSE ROUTING, ENGINE
HARNESS ROUTING and OIL PRESSURE SWITCH
on certain MODEL YEAR 2005 RE BUS models built
3/3/2004 thru 8/5/2004 with I6 engines only.

REVISION DESCRIPTION

THIS IS AN ISIS ONLY NOTIFICATION. There will be NO paper mailing for this revision.

International has determined the service performed during the INTERIM ACTION G-04512 is an appropriate final remedy. There will be no further action required by the vehicle owner or dealer ONCE THE INTERIM ACTION SERVICE PROCEDURE HAS BEEN PERFORMED.

DEFECT DESCRIPTION

Several conditions may exist in the engine compartment that may cause or contribute to a potential fire in the engine bay. They are:

- The high-pressure supply hose from the power steering pump to the steering gear may chafe against the positive stud on the starter solenoid.
- The engine electrical harness, containing the positive cable from the alternator, may be pinched between the engine and the bus body.
- An optional oil pressure switch may have been damaged during assembly, causing a leak to form.

MODELS INVOLVED

This Safety Recall Interim Action involves **MODEL YEAR 2005** RE Bus models built 3/3/2004 thru 8/5/2004 with I6 engines only.

OWNER NOTIFICATION

International Truck and Engine Corporation will notify owners of these vehicles about this campaign. A copy of the owner letter is attached. 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.

PARTS INFORMATION

The parts that may be required for this recall are:

Part Number	Part Description	Quantity
Dealer Available Stock or Equivalent	High temperature UV protected Strap-Lock (Zip-Tie)	As Necessary
450017C1 or Equivalent	CONDUIT, CABLE ELECTRICAL 1"ID (Convuluted Tube Conduit)	Approx. 3 Ft per Vehicle As Necessary
3595897C2	HOSE, POWER STRG COMPLETE W/FIT	If Req'd by Service Procedure
132244R91	SWITCH, OIL PRESSURE	1 If Feature Code 0008WPG or 0016HJA is Found on Lineset Ticket

Destroy and discard all removed parts locally.

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.

POWER STEERING HOSE INSPECTION AND REPAIR

1. Inspect power steering hose for chafing damage in area near where it may have been in contact with the positive stud of the starter solenoid.

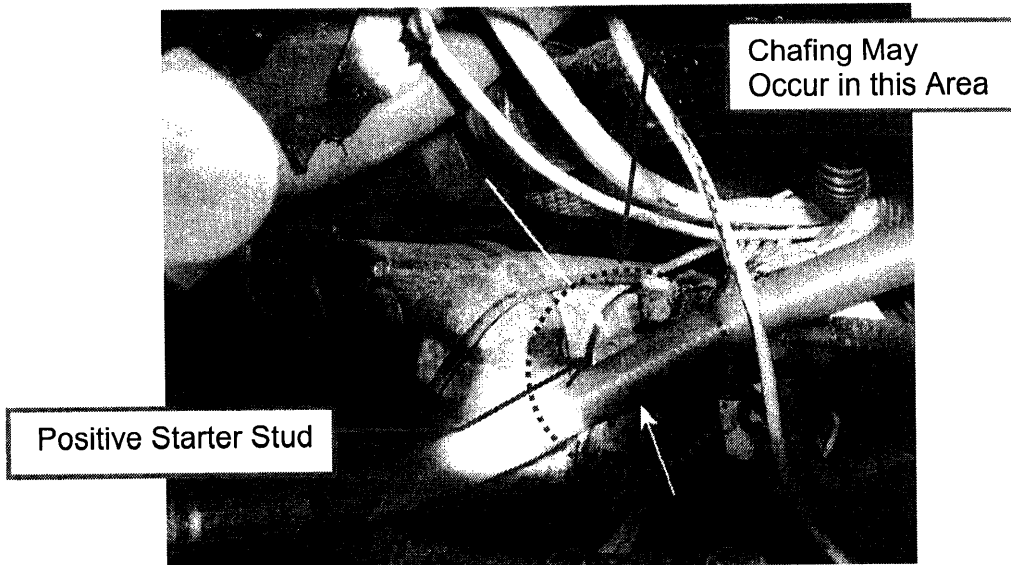


Figure 1

2. If any chafing has taken place, replace power steering hose, refill reservoir AND install conduit and strap-locks as indicated below.
3. Install conduit onto power steering hose. Ensure conduit runs from power steering pump to at least forward of bell housing, or clear of engine block.

4. Re-route power steering hose as indicated below using available dealer stock strap-locks. Insert strap lock in holes shown:

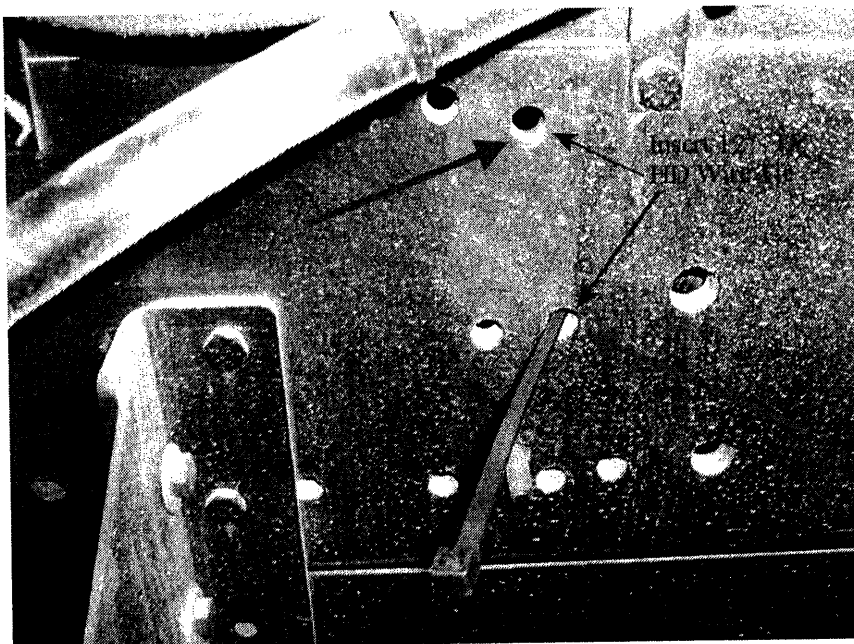


Figure 2

5. Wrap strap-lock around power steering hose near starter.

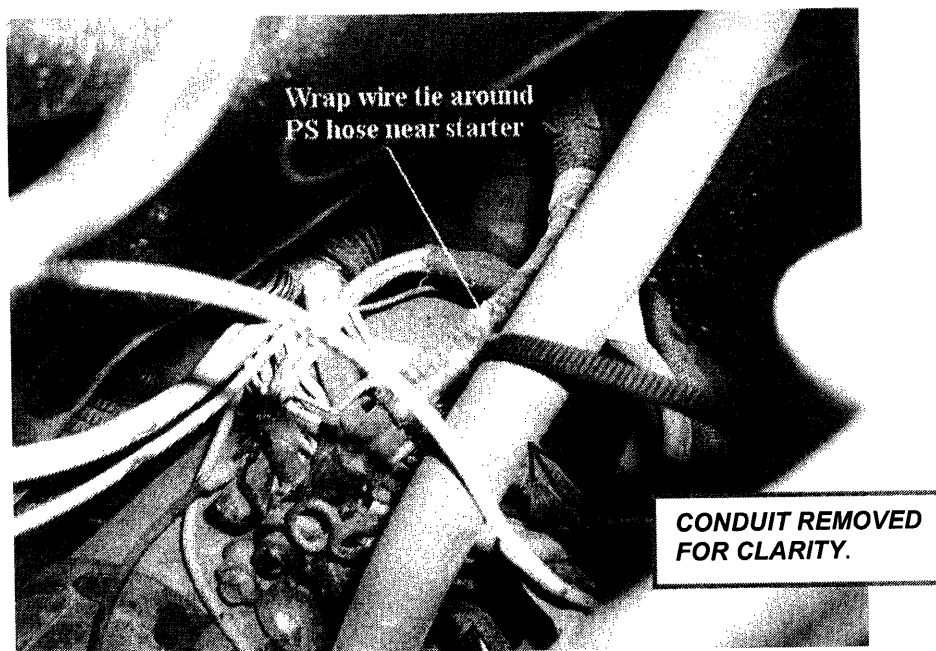


Figure 3

6. Pull strap lock and hose tight against the inside of the frame rail away from the starter solenoid. Make sure the convoluted tubing is protecting the P/S hose at frame contact areas.

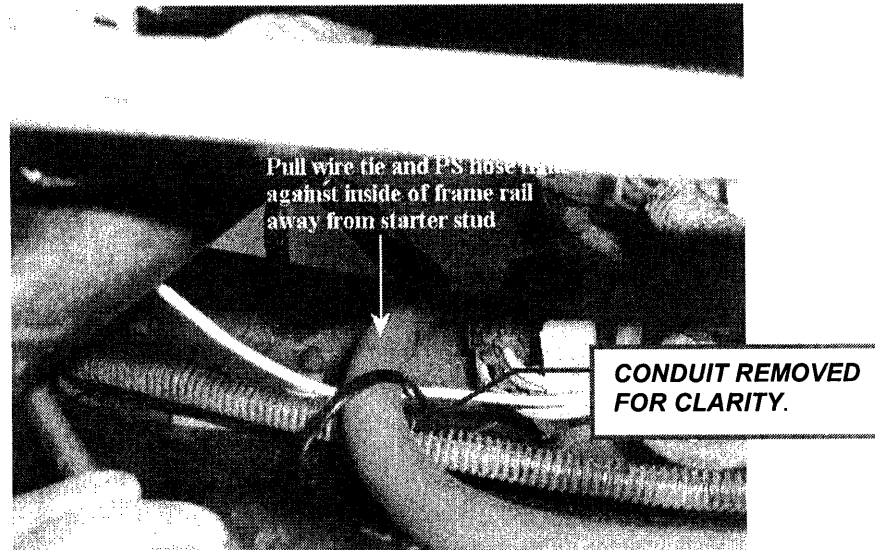


Figure 4

ENGINE HARNESS INSPECTION AND REPAIR

1. If the engine harness appears to be pinched on the right side at the rear of the engine air intake manifold and body, as in the figure below, re-route as indicated.

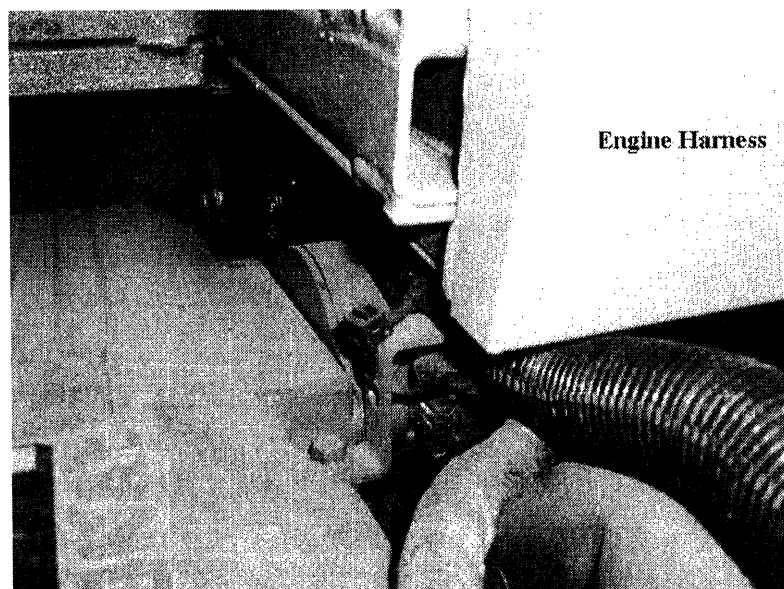


Figure 5

2. Cut strap lock, and remove the “Z” stand off bracket:



Figure 6

3. Re-route harness on other side of bracket away from body edge.
4. Route harness on driver's side of engine lift eye.

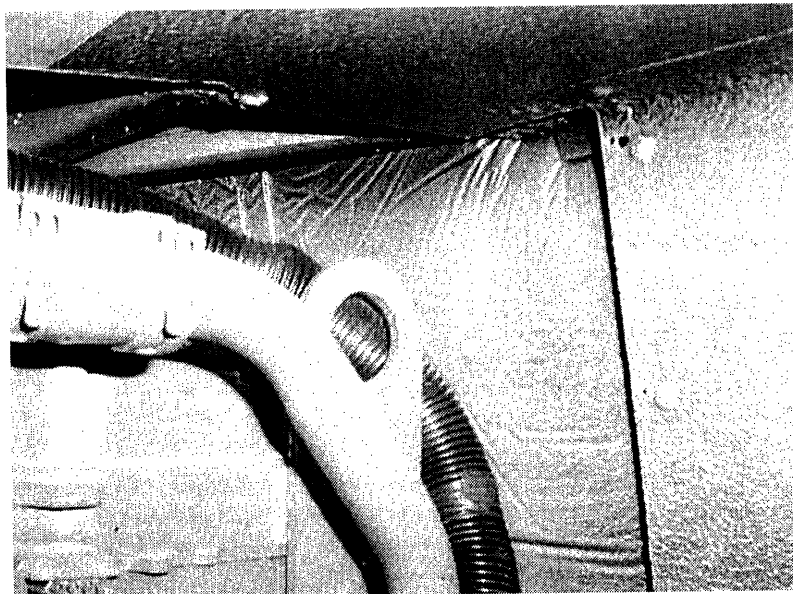


Figure 7 – Looking in from Passenger Side

5. Re-install bracket and new strap lock.

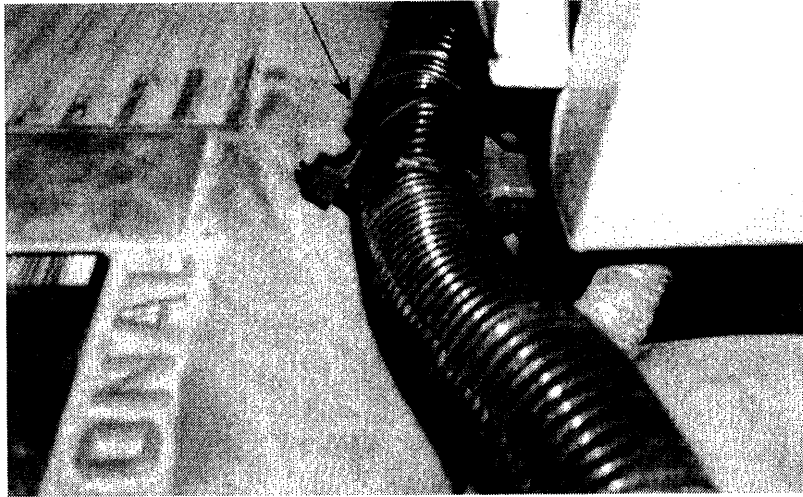


Figure 8

6. Push Harness off to side of intake and grid heater studs (if present).

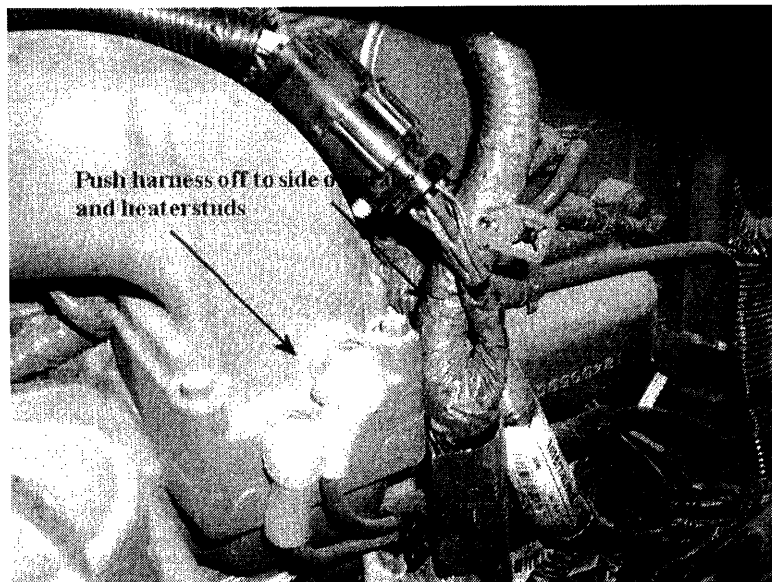


Figure 9

OIL PRESSURE SWITCH REPLACEMENT

1. Locate, disconnect, and remove oil pressure switch. Please verify via lineset ticket that a bus requires (has) an oil pressure switch. (Feature Code **0008WPG or 0016HJA**).

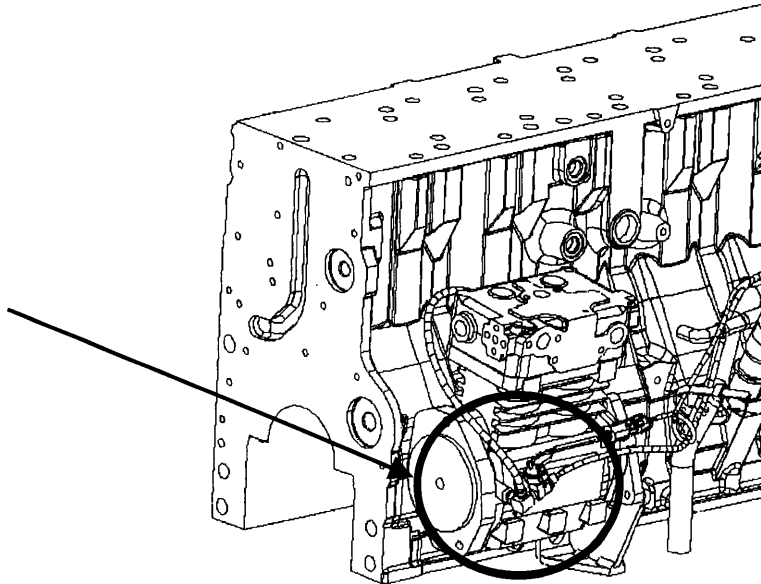


Figure 10

2. Install and connect new oil pressure switch. Refill oil reservoir if necessary.

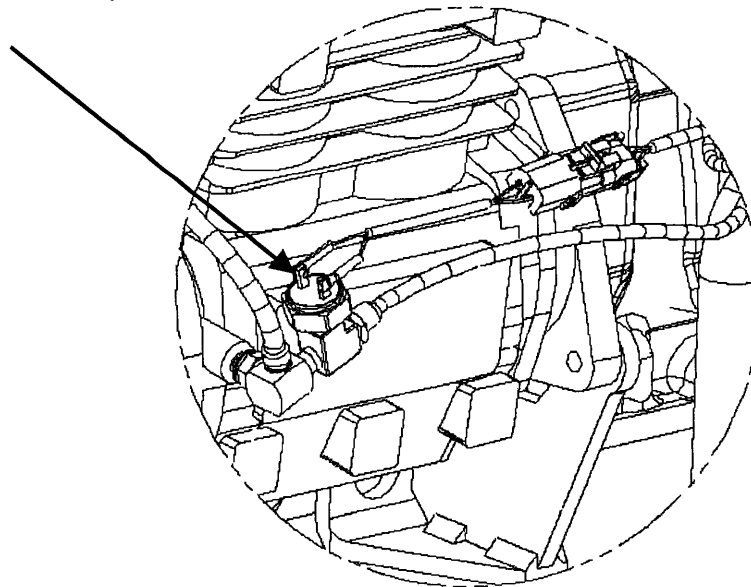


Figure 11

END OF SERVICE PROCEDURE

LABOR INFORMATION

<u>Operation No.</u>	<u>Description</u>	<u>Time</u>
A40-04512-1	<i>Base Inspection, Power Steering Hose Re-Routing, and Engine Harness Re-Routing</i>	0.8 Hr
A40-04512-2	<i>Add on for Power Steering Hose Replacement</i>	0.5 Hr
A40-04512-3	<i>Add on for Minor Engine Harness Repair</i>	0.5 Hr
A40-04512-4	<i>Add on for Oil Pressure Switch Replacement</i>	0.5 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.

DO NOT REMOVE
INTERNATIONAL
Campaign No.
VIN
Eng.#
COMPLETED
Service Location Code #
DO NOT REMOVE

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.

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.			

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