



VEHICLE RECALL

**G-02509
December 2002**

SUBJECT: VEHICLE RECALL (U.S., EXPORT)

**Fuel Line Harness Inspections and Retrofits on
Certain 7300, 7400 and 7500 Models Built from
7/19/01 through 7/16/2002 with Right Side Frame Rail
Mounted Fuel Filter and with a Left Side Mounted
Fuel Tank**

DEFECT DESCRIPTION

This is a routing and clipping issue for the fuel line harnesses that runs from the left side fuel tank to the engine. This campaign requires an inspection to determine if action is required to correct the routing and clipping on the fuel line harnesses on these vehicles. If the fuel line harness is not routed and clipped properly, a fuel leak may develop due to the fuel harness being too close to the engine exhaust pipe.

RISK TO MOTOR VEHICLE SAFETY

A fuel leak could develop without warning if the fuel line harness is too close to the engine exhaust pipe. If the fuel line is melted to the point of rupturing, while the vehicle is running, the engine may shut down immediately. If the engine shuts down, the result could be a vehicular accident, possibly resulting in property damage, personal injury or death.

DESCRIPTION OF VEHICLES INVOLVED

7300, 7400 and 7500 models built from 7/19/01 through 7/16/02 with right side frame rail mounted fuel filter in conjunction with left side mounted fuel tank. Verify vehicles involved using ISIS.

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.

SERVICE PROCEDURE

INTRODUCTION: All vehicles in this recall must have the routing and clipping of the fuel line harness visually inspected. If the routing fails the inspection, a new fuel line harness must be installed using a special recall fuel line routing kit.

BEFORE PERFORMING THE SERVICE, PLEASE READ AND UNDERSTAND THE FOLLOWING INSTRUCTIONS COMPLETELY.

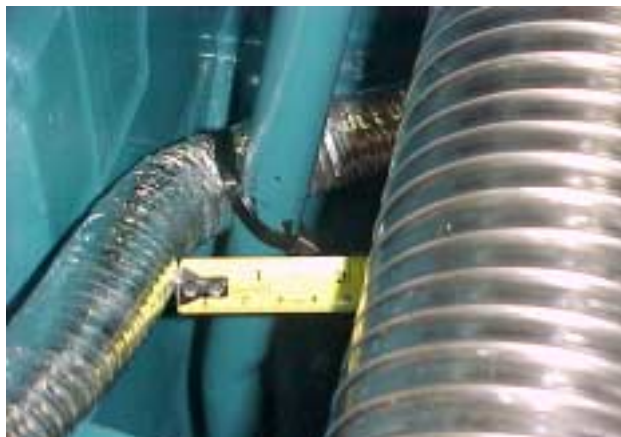
WARNING: TO PREVENT SERIOUS EYE INJURY, ALWAYS WEAR SAFE EYE PROTECTION WHEN YOU PERFORM VEHICLE MAINTENANCE OR SERVICE.

1. **WARNING:** BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING. IF A VEHICLE MOVES UNEXPECTEDLY OR SUDDENLY, THE RESULT COULD BE SERIOUS PERSONAL INJURY OR DEATH.
2. Shut off the engine, apply the parking brake and put the transmission in neutral.
3. Open the hood assembly and remove the right engine splash shield.

4. **Inspect the fuel line routing.** From the right side wheel well, locate the fuel line harness as shown in Figure 1. The fuel line harness must be routed behind the engine breather tube or between the engine breather tube and the engine as shown in Figures 1 and 2. If the fuel line on your vehicle is routed as shown in Figure 1 and 2, it passes the inspection and you should go directly to steps 22 and 23. If the fuel line is routed for the two different exhaust systems, as shown in Figures 3 or 4, a new fuel line harness must be installed and you must continue to step 5 to complete this recall procedure. Reference the **PART INFORMATION** section and obtain the correct fuel line harness and routing kit.



**Figure 1: ABOVE: GOOD ROUTING
NO ACTION REQUIRED.**
The harness is between the engine breather tube and the engine.



**Figure 2: GOOD ROUTING
NO ACTION REQUIRED.**
View looking forward from transmission



Figure 3: BAD ROUTING

The harness is too close to the **smooth turbo pipe**.
The Fuel Harness Must Be Replaced and Re-Routed.
Continue to step 5. View looking forward from transmission.



Figure 4: BAD ROUTING

The harness is too close to the **flex exhaust pipe**.
The Fuel Harness Must Be Replaced and Re-Routed.
Continue to step 5. View looking forward from transmission.

5. Remove both right and left hood fender extensions.
6. Remove the right seat.
7. Remove the cup holder assembly.
8. Remove the shifter assembly.
9. Remove the right sill plate & kick panel.
10. Position the cab floor mat out of your way.
11. Remove the engine cover.
12. Remove and discard all clipping from the fuel line harness except for item 1 in Figure 7. This clip must be reused during the installation. The rest of the clips will be replaced with new ones from the recall kit.
13. Make note of the fuel line connection locations, disconnect all fuel lines and use a drain pan to catch the fuel that will drain from the lines.
14. Remove the fuel line harness as one assembly and discard.
15. Lay the fuel line harness in place. Use Figures 5 and 7 for vehicles with the exhaust system that has the smooth exhaust pipe shown in Figure 3. Use Figures 6 and 7 for vehicles with the exhaust system that has the flex exhaust pipe shown in Figure 4.

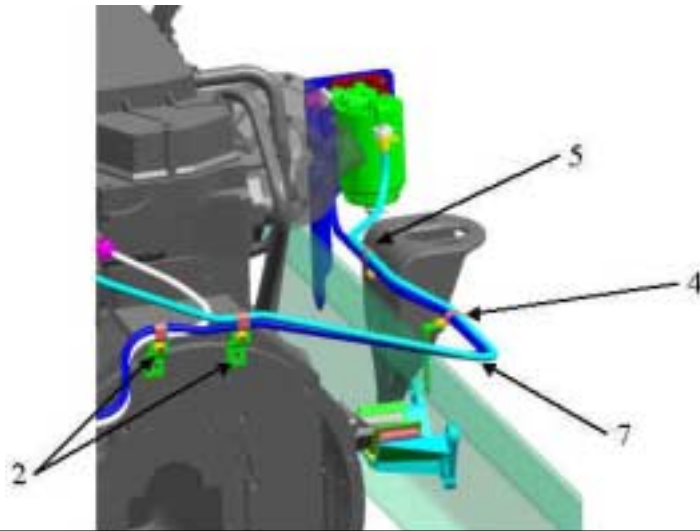


Figure 5: Routing From Bell Housing Forward, Routing Kit 8900088R91 for Vehicles With A Smooth Exhaust Pipe

- Items:
- 2. Two Z-style extension clips, p-clamps, M8 nuts/bolts
 - 4. One L-shaped extension clip, p-clamp, M8 nut/bolt, mounted to upper/forward engine mount
 - 5. One clamp, M6 bolt/nut on cab mount
 - 7. Fuel harness

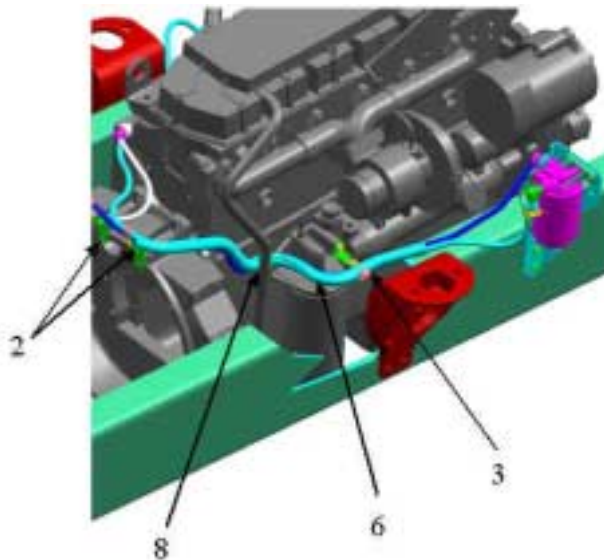


Figure 6: Routing From Bell Housing Forward, Routing Kit 8900087R91 For Vehicles With A Flex Exhaust Pipe

- Items:
- 2. Two Z-style extension clips, p-clamps, M8 nuts/bolts
 - 3. Straight extension clip, clamp, at filter base
 - 6. Fuel line harness
 - 8. The harness **MUST** be behind the breather tube.

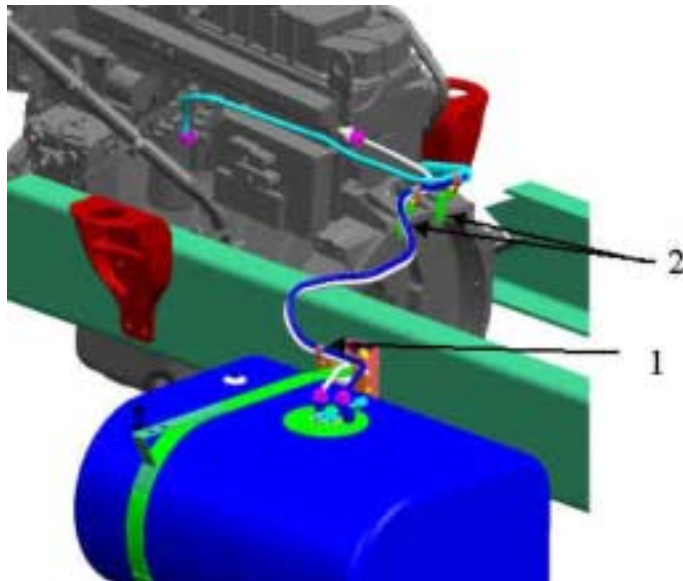


Figure 7: Routing From Tank to Bell Housing & Pump, Applies To All

Items:

1. Save original clamping hardware and reuse during installation.
2. Two Z-style extension clips, p-clamps, M8 nuts/bolts

16. Beginning at the fuel tank, install the new harness clips up to the bell housing (see Figure 7). Clips are to be installed at the black tape locations on the harness.
17. From the bell housing forward, the instructions are different depending on which harness is being installed. Using the appropriate Figure, 5 or 6, install the clipping from the bell housing forward.
18. Connect all the fuel lines and bleed the fuel lines as necessary.
19. Install the engine cover and reposition the floor mat.
20. Install the kick panel, sill plate, shifter assembly, cup holder and the seat.
21. Install both hood fender extensions.
22. Install the engine splash shield.
23. Close the hood assembly and remove the wheel chocks.

PART INFORMATION

We expect that half of the vehicles will fail the inspection and need replacement parts. There are two routing kits available for this recall and three different harnesses. However there are 19 VINs, provided in row 1 and 2 of Table 1 below, that have 11-inch fuel tanks. For these 19 VINs you must verify which style of 11-inch fuel tank is on the vehicle, see rows 1 and 2 of Table 1. All other vehicle applications are provided in rows 3 and 4 of Table 1.

RETURNING PARTS: **Scrap the removed parts locally.**
Do not return these parts.

TABLE 1: Harness and Routing Kit Application Table

| APPLICATION | FUEL LINE HARNESS | ROUTING KIT |
|---|---|--------------------|
| 8 vehicles built with flex exhaust pipe & 11" left side fuel tank should use these parts. 2J030129 2J032252 2J036245 2J036246 3J044858 3J044859 2J051780 3J050597 | 3572007C92 Reference the NOTE following this table to verify this is the correct part for the vehicle. | 8900087R91 |
| 11 vehicles built with flex exhaust pipe & an 11" left side fuel tank should use these parts. 3J044505 3J046352, 3J046353 3J048894, 3J048895 3J048918 3J049813 3J051411 3J057782 3J057867 3J062898 | 3576765C92 Reference the NOTE following this table to verify this is the correct part for the vehicle. | 8900087R91 |
| Vehicles with smooth exhaust pipe & NOT with 11" left side fuel tank | 3577849C91 | 8900088R91 |
| Vehicles with the flex exhaust pipe and NOT with 11" left side fuel tank | 3572007C92 | 8900087R91 |

NOTE: The fuel sender location on the tank moved during this time frame. To determine which harness is required, a measurement must be taken on the top of the fuel tank from the front-end weld to the center of the sender. If you measure approximately 16 inches (400mm), use harness 3572007C92. If you measure approximately 20 inches (500mm), use harness 3576765C92.

TABLE 2: KIT CONTENTS FOR 8900087R91

| DESCRIPTION | PART NUMBER | QTY |
|---|-------------|-----|
| Extension clip, Z-style | 3572001C1 | 2 |
| Clamp | 352356C1 | 2 |
| Bolt hex head M8x20 | 3547776C1 | 2 |
| Nut M8 10Phc flange | 31082R1 | 3 |
| Extension clip, straight, for filter base | 3545562C1 | 1 |
| Clamp/filter base | 365215C1 | 1 |
| Bolt hex flange M6x20, filter base | 3552155C1 | 1 |
| M6 nut, filter base | 40233R1 | 1 |

TABLE 3: KIT CONTENTS FOR 8900088R91

| DESCRIPTION | PART NUMBER | QTY |
|-------------------------|-------------|-----|
| Extension clip, Z-style | 3572001C1 | 2 |
| Clamp | 352356C1 | 4 |
| Bolt hex head M8x20 | 3547776C1 | 3 |
| Nut M8 10Phc flange | 31082R1 | 3 |
| Clip extension, L-style | 2509984C1 | 1 |
| M6 bolt/cab mount | 3552155C1 | 1 |
| M6 nut/cab mount | 40233R1 | 1 |

LABOR INFORMATION

NOTE: All vehicles must be inspected. Use only one labor operation per claim.

| <u>Operation No.</u> | <u>Description</u> | <u>Time</u> |
|-----------------------------|--------------------------------|--------------------|
| A40-02509-1 | Inspect, no repair required | 0.3 Hrs |
| A40-02509-2 | Inspect & Replace fuel harness | 1.8 Hrs |

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 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 line, "VIN" followed by a line, "Eng.#" followed by a line, "COMPLETED" in bold, and "Service Location Code #" followed by a line.

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 the 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 a vehicle or refund the purchase price less a reasonable allowance for depreciation, 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

Use only one labor operation per claim.

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 The Recall Number _____

NOUN: Leave Blank. _____

C: (CAUSE) Enter number 1 or 2. _____

1. Inspected (No Repair Required). _____

2. Inspected and repaired. _____

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 the 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 your Regional Service Manager.

INTERNATIONAL TRUCK AND ENGINE CORPORATION