

Authorized Field Change

AFC G-05902 Revised

Date: August, 2005

Subject File: ELECTRICAL

Subject: 3200, 4000, 7000, and 8000 HPV Models Built Between March 01, 2004 and January 22, 2005 with an International I313 Engine and Feature Code 15LJM, Heater Fuel / Water Separator, will Require an Overlay Harness to make Code 15LJM Fully Functional

Model: 3200

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 4200

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 4300

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 4400

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 7300

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 7400

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 7500

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 7600

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 8500

Start Date: 03/01/2004 End Date: 01/22/2005

Model: 8600

Start Date: 03/01/2004 End Date: 01/22/2005

Unit Code: 15LJM

DESCRIPTION

This campaign requires the installation of an overlay harness to enable the heater portion of Code 15LJM, heated fuel/ water separator to function.

The power feed wire was omitted from the production harness for the fuel/water separator heater. Without the heater function moisture from the fuel could freeze.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
8000853R91	Overlay Harness Kit Contains: 2589840R1 Instructions (1) 2589839C91 Overlay Harness with Necessary Circuits and Relay (1)	1

SERVICE PROCEDURE



WARNING – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.



WARNING – Batteries expel explosive gases. Keep sparks, flames, burning cigarettes, or other ignition sources away at all times. Always wear safety glasses and a face shield when working near batteries to avoid personal injury.

1. Disconnect the battery negative cable.
2. Disconnect the harness connector from the heater fuel/ water separator (Figure 1).

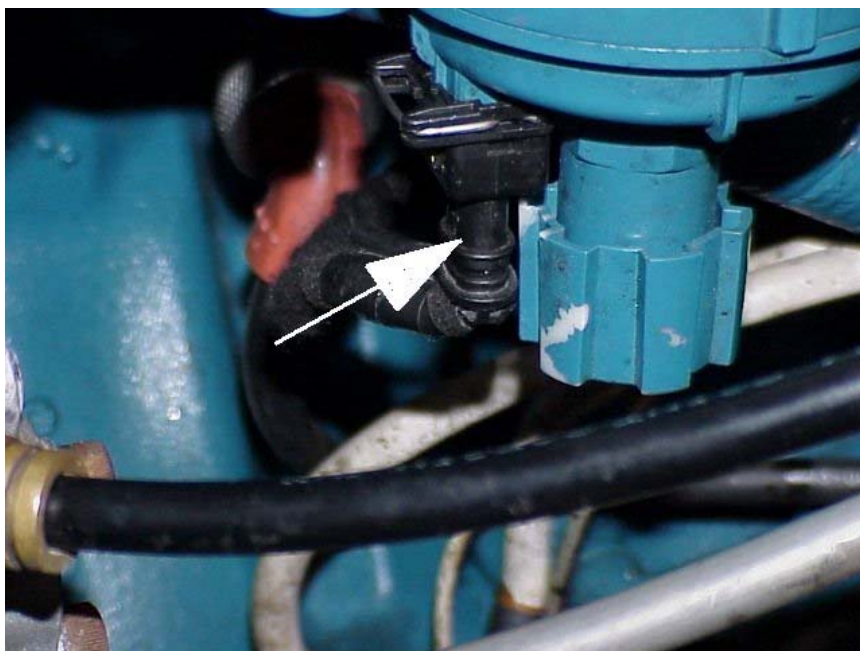


Figure 1 Heater Fuel/ Water Separator Connector (Arrow)

SERVICE PROCEDURE (CONT.)

3. Fold over the removed connector and wire lead and tape securely.
4. Refer to Figure 2 and Figure 3 to identify overlay harness leads. Install the ground, white wire, eyelet to the cab ground stud (Figure 4).

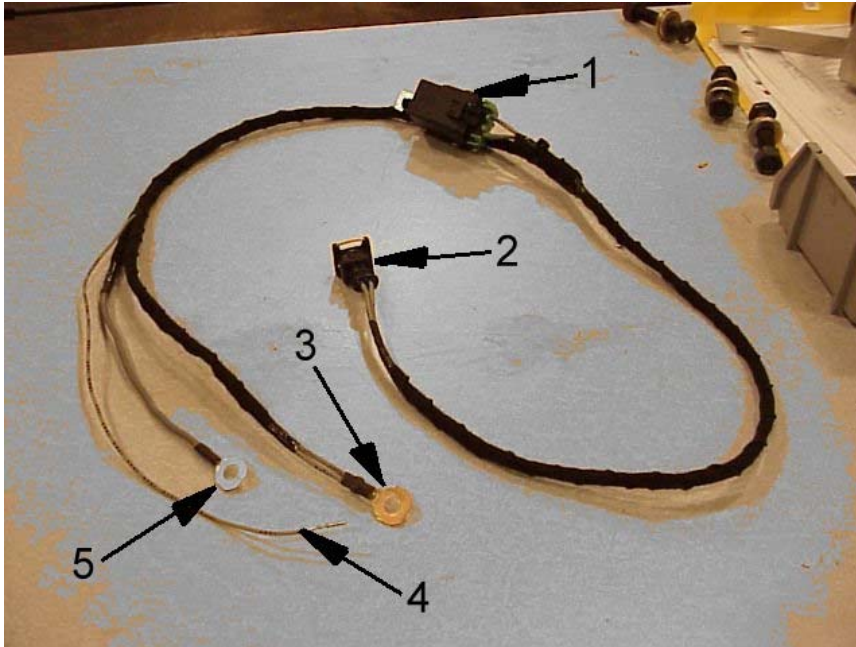


Figure 2 Overlay Harness

1. Relay
2. Connector (To Heater Fuel/ Water Separator)
3. White Wire Eyelet (To Cab Ground Stud)
4. Pink Wire Lead (To ESC Connector)
5. Grey Wire Eyelet (To Mega Fuse)

SERVICE PROCEDURE (CONT.)

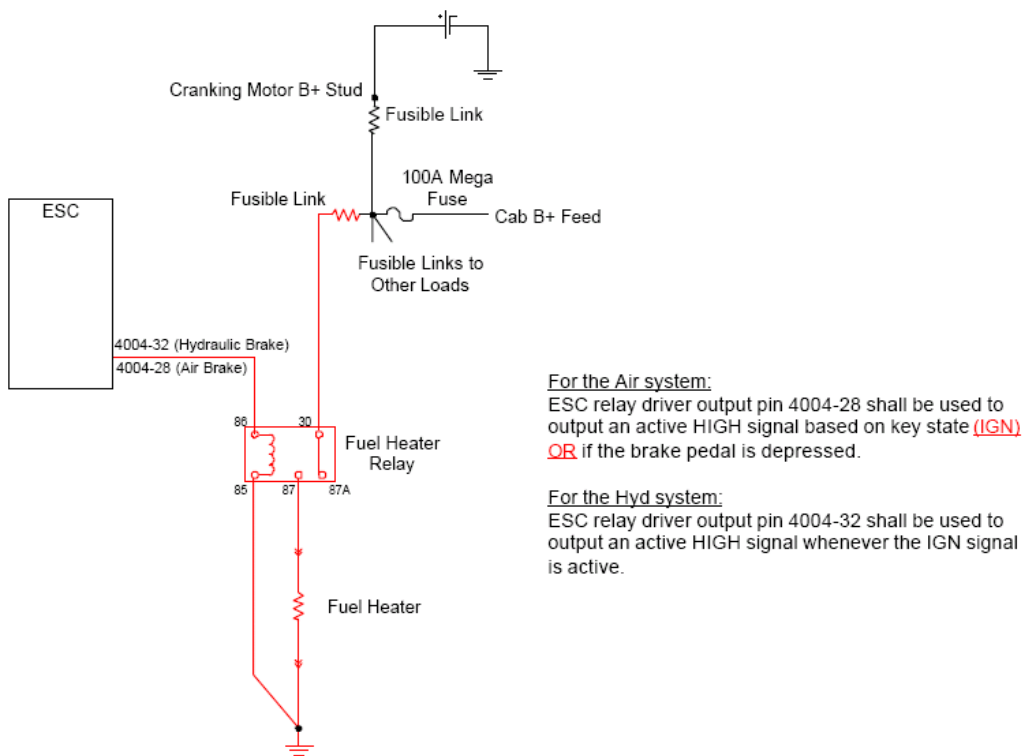


Figure 3 Overlay Harness Diagram



Figure 4 Cab Ground Stud (Arrow)

SERVICE PROCEDURE (CONT.)

5. Refer to Figure 2 and identify overlay harness, grey wire (labeled fusible link), power eyelet connector. Install the power eyelet to the non-fused side (forward stud terminal) of the mega fuse (Figure 5).

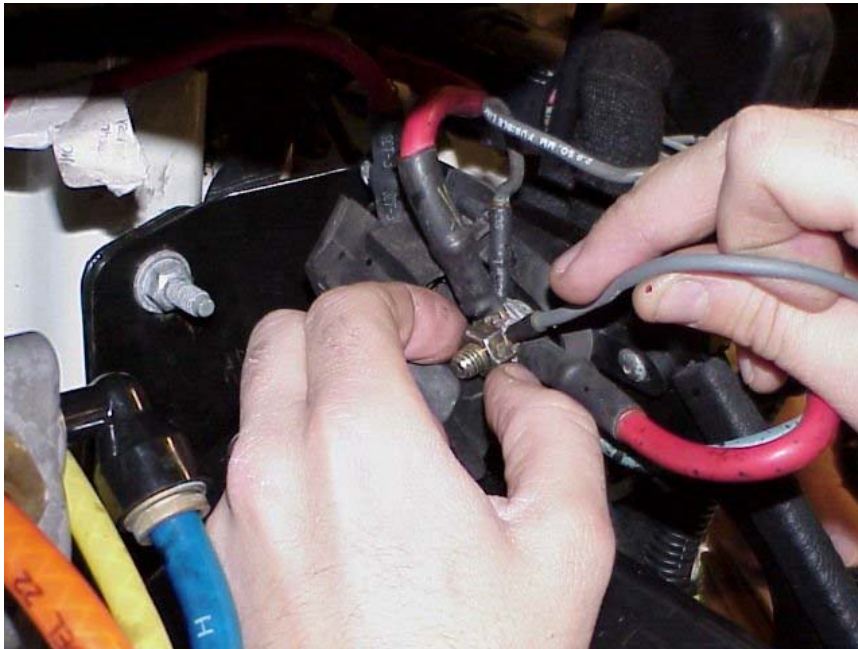


Figure 5 Connect to Non Fused Side of Mega Fuse

6. Locate and remove the ESC connector 4004 (Figure 6).

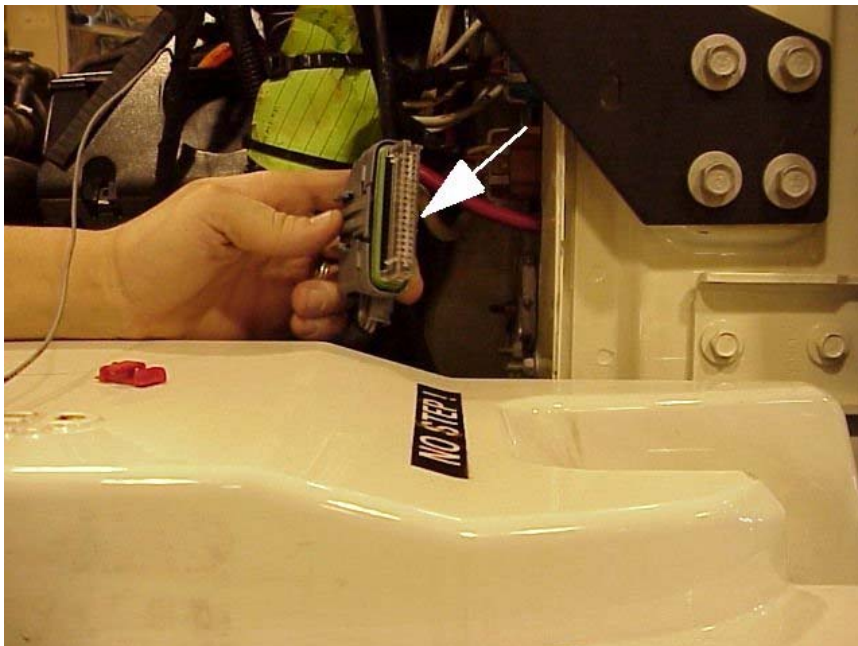


Figure 6 Remove ESC Connector (Arrow)

SERVICE PROCEDURE (CONT.)

7. Refer to Figure 2 and Figure 7 for the following:

- **Vehicles with Hydraulic Brakes:** Insert the pink overlay harness wire into ESC connector position 32 and reinstall connector 4004 into the ESC.
- **Vehicles with Air Brakes:** Insert the pink wire into ESC connector position 28 and reinstall connector 4004 into the ESC

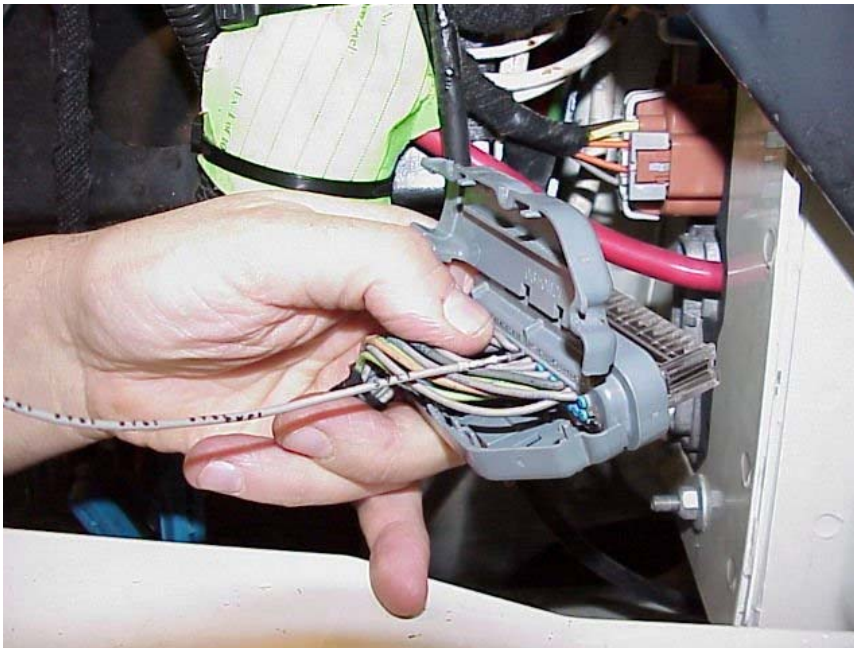


Figure 7 Insert Overlay Harness Wire Into Connector

8. Connect the overlay harness connector (Figure 2, Item 1) to the heater fuel/ water separator (Figure 8).

SERVICE PROCEDURE (CONT.)

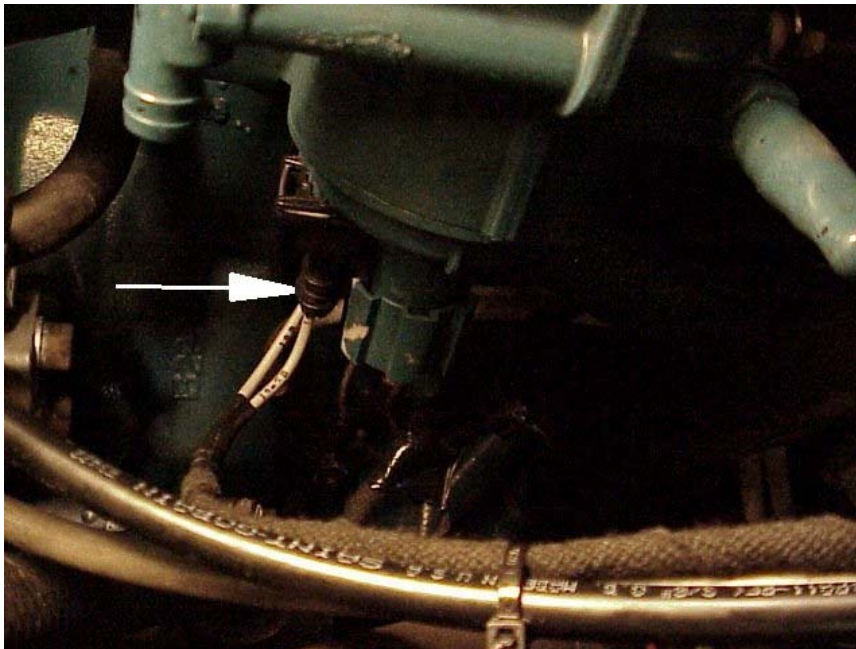


Figure 8 Connect Overlay harness Connector to Heater Fuel / Water Separator

9. Reconnect the battery negative cable.
10. **For Vehicles with Hydraulic Brakes only:** Reflash the ESC adding Feature Code 595335.

NOTE – Feature Code 595335 is to be used for campaign G-05902 only.

11. Check for proper operation.
 - A. **With the key on**, 12 ± 1.5 volts will be present at the heater fuel /water separator connector.
 - B. **With the key off**, 0 volts will be present at the heater fuel /water separator connector.
12. Secure the overlay harness with tie straps to the dash and engine harnesses as needed to prevent rubbing against sharp or moving parts.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-05902-1	Install Overlay Harness on Vehicles with Air Brakes	0.4 Hr.
A40-05902-2	Install Overlay Harness on Vehicles with Hydraulic Brakes	0.7 Hr.

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-05902.

It is important that the 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.

To assure this important improvement is made in a timely manner, all claims for G-05902 activity must be submitted by July 31, 2006 or within the normal warranty period for the vehicle, if after July 31, 2006.

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					

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