

Authorized Field Change

AFC G-04906

Date: August, 2004

Subject File: ELECTRICAL

Subject: Version 11.0 and 17.0 Instrument Cluster Improvement for 3200, 4000, 7000, and 8000 HPV Models Built Between January 5, 2003 and November 26, 2003

Model: 3200, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 8500, 8600
Start Date: 01/05/2003 End Date: 11/26/2003

DESCRIPTION

Print ready (PDF file) copy of the AFC letter

Version 11.0 and 17.0 instrument clusters in 3200, 4000, 7000, and 8000 HPV Models built between January 5, 2003 and November 26, 2003 may have odometer readings that are not accurate.

To remedy this , International Truck and Engine Corporation has implemented a program to inspect the current instrument cluster for software version level, and if found to be version 11.0 or 17.0, to replace the instrument cluster rear cover with a new design cover that has an interceptor circuit board attached.

INSPECTION PROCEDURE

The write up person should perform this simple instruction before a repair order is written.

When turning the ignition switch on, watch the instrument cluster display because it will identify the version of software in the instrument cluster. If the software version is 11.0 or 17.0 the repair is required. If any other version, including 17.1, is displayed, there is no repair necessary. Just mark the customer notification card as **inspected** and **no repair is necessary** and drop it in the mail.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
8000849R91	Instrument Cluster / Interceptor Circuit Kit	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.

SERVICE PROCEDURE (CONT.)



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.

NOTE – DO NOT reset trip miles and trip hours before installing the Interceptor.

NOTE – After installation of the Interceptor, the instrument cluster PTO hourmeter will be reset to zero. Please note and record PTO hours if the instrument cluster PTO hourmeter is used, and retain this information for the customer because PTO hours will restart from zero.

1. Disconnect the negative cable and ECM ground from the battery.
2. Remove fasteners and the steering wheel lower column (Figure 1).



Figure 1 Remove Steering Column Lower Cover

3. Remove fasteners and the instrument cluster dash trim panel (Figure 2).

SERVICE PROCEDURE (CONT.)



Figure 2 Remove Cluster Dash Trim Panel

4. Remove fasteners from the instrument cluster (Figure 3) and move the instrument cluster from the dash to gain access to the harness connector (Figure 4). Remove the instrument cluster.



Figure 3 Remove Instrument Cluster Fasteners

SERVICE PROCEDURE (CONT.)

CAUTION – Static electricity can cause permanent damage to the instrument cluster. Before working on the cluster, be sure to discharge all static from your body by touching metal that is grounded. Do not wear clothing that causes static buildup (such as nylon). Do not touch any pin connectors during removal and installation of the cluster. Work on the instrument cluster in a clean environment.



Figure 4 Disconnect Instrument Cluster Harness Connector

5. Place the instrument cluster face down on a protected work surface.
6. Remove the fasteners from the rear instrument cluster cover (Figure 5). Remove the cover.

SERVICE PROCEDURE (CONT.)



Figure 5 Remove Fasteners from Rear Cover

7. Remove new rear cover with interceptor circuit from Kit 8000849R91 (Figure 6).

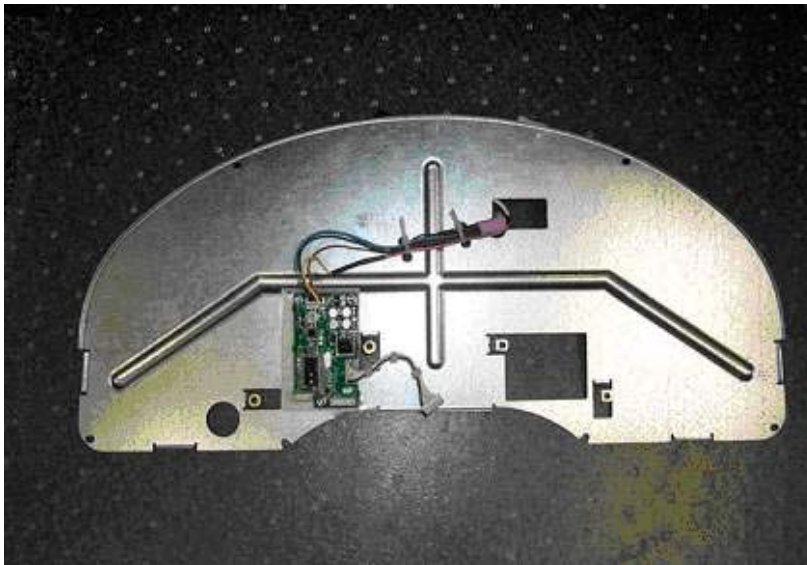


Figure 6 New Rear Cover with Interceptor Circuit

8. Disconnect LCD display harness connector from the cluster center circuit board (Figure 7 and Figure 8).

SERVICE PROCEDURE (CONT.)

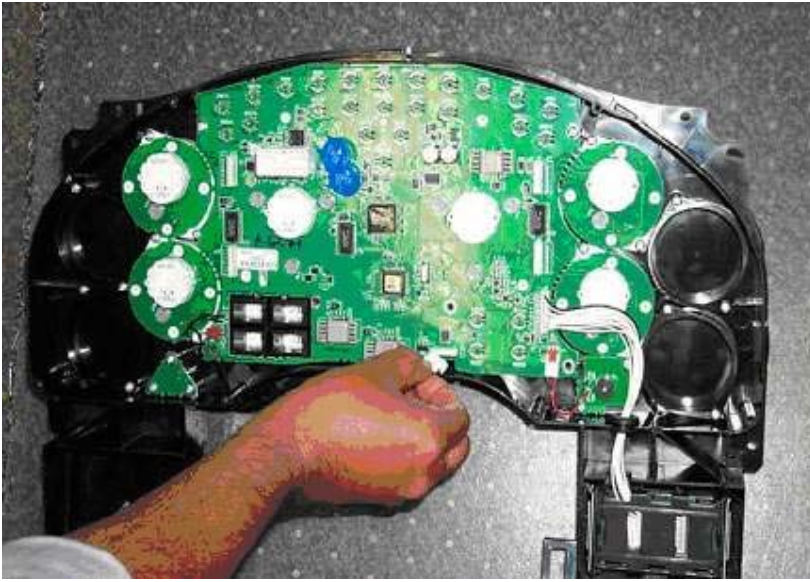


Figure 7 Disconnect LCD Harness Connector

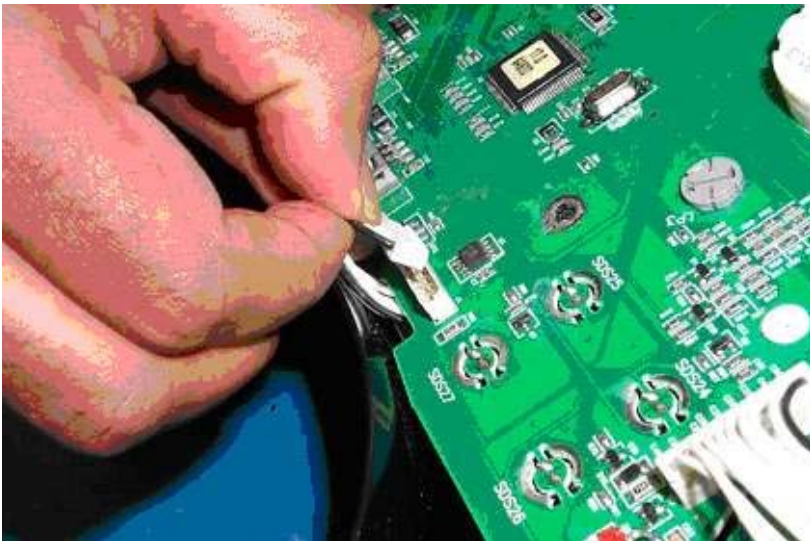
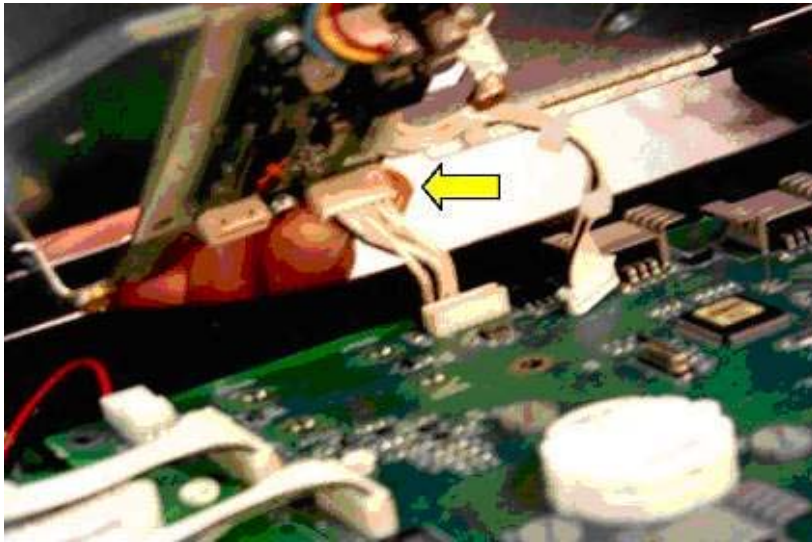


Figure 8 Disconnect LCD Harness Connector (close up)

9. Connect LCD display harness to the Interceptor circuit on the new rear cover (Figure 9).

SERVICE PROCEDURE (CONT.)



10. Connect Interceptor circuit display harness to the center circuit board (Figure 10).

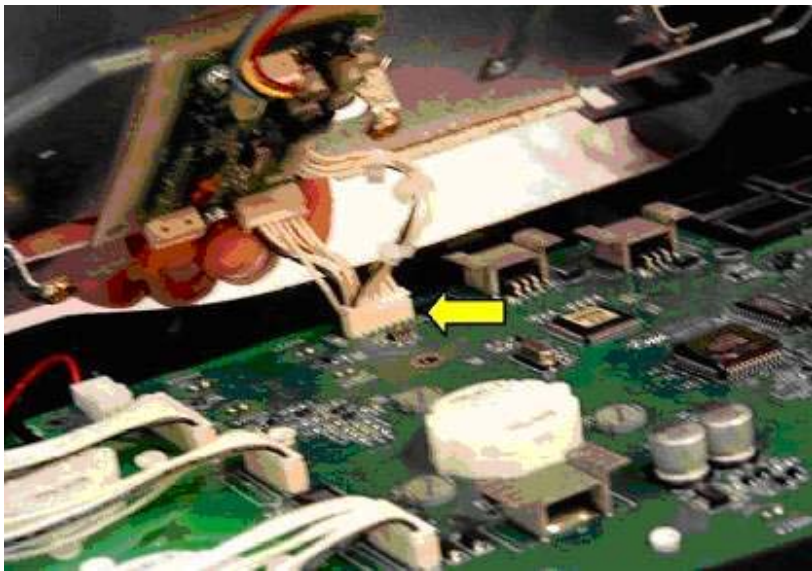


Figure 10 Connect Interceptor Circuit Display Harness

11. Interceptor circuit should be connected as shown in Figure 11.

SERVICE PROCEDURE (CONT.)

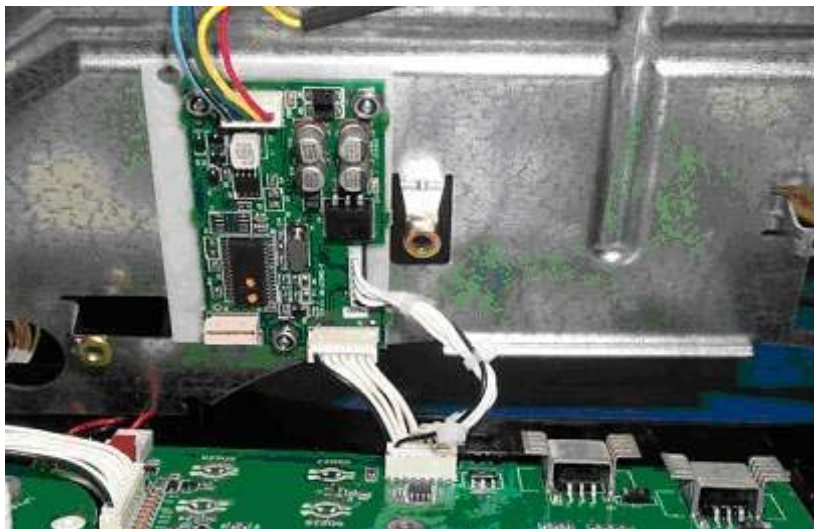


Figure 11 Interceptor Circuit Connections

12. Align the rear cover on the cluster and connect the interceptor circuit main harness to the center circuit board (Figure 12).

Make sure the connector from the Interceptor harness is properly seated into the connector of the instrument cluster. An audible clicking sound is heard when connector is seated. Also visually inspect to verify the connection.

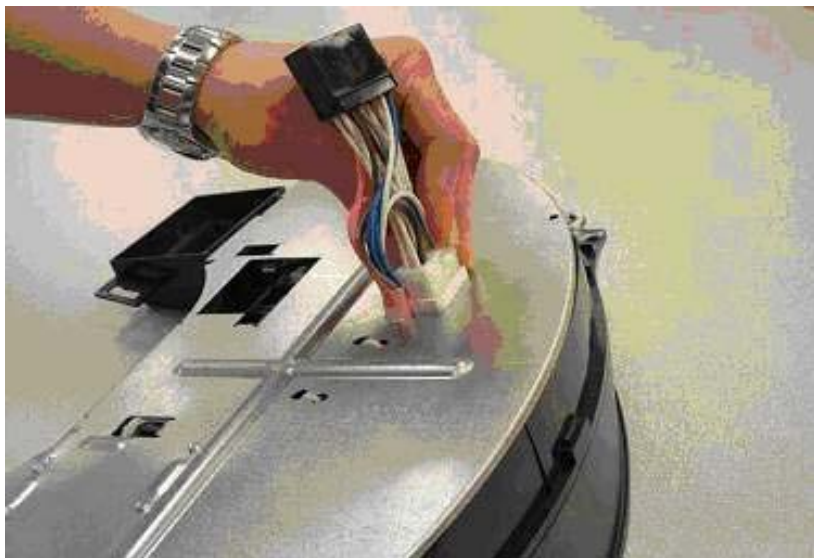


Figure 12 Connect Main Harness

13. Continue following steps 1 to 6 in reverse order.

Verify that the module is working correctly after the cluster is reinstalled. The display will have the odometer reading in the LCD without the key in. Turn the hazards on. The hazard light indicators will flash without key in.

SERVICE PROCEDURE (CONT.)

NOTE – Trip miles and trip hours may not reset to zero after installing the Interceptor. This may require driving the vehicle a short distance (less than 1 mile). Then push the reset and verify that trip miles and trip hours have reset to zero.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-04906-1	Install Interceptor	0.5 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-04906.

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-04906 activity must be submitted by August 31, 2005 or within the normal warranty period for the vehicle, if after August 31, 2005.

	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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