

Authorized Field Change



AFC G-05901

Date: March, 2005

Subject File: ELECTRICAL

Subject: Check Electrical System Light Stays On, Without Fault Codes Registered, on Certain HPV Models Built Between September 1, 2004 and September 29, 2004

Model: 1300, 3200, 3300, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 8500, 8600

Start Date: 09/01/2004 End Date: 09/29/2004

DESCRIPTION

When the engine is started, the check electrical system light illuminates and goes out after 5 seconds. On certain HPV models built between September 1, 2004 and September 29, 2004, the check electrical system light stays on and no fault codes are registered.

To resolve this issue, the check electrical system light will be disabled.

When the check electrical system light is disabled, the following audible and visual warnings are still available:

- Loss of data link from ESC- There are 10 short warning beeps and the gauges controlled by the ESC go to the minimum position.
- Loss of data link from the Engine Controller- There are 10 short warning beeps and the gauges controlled by the Engine Controller go to the minimum position.
- Loss of activity by the cluster Microcontroller- All the cluster gauges are unresponsive.

The above indicators will alert the operator and technician that a fault exists in the electrical system.

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.

! WARNING – Static electricity can cause permanent damage to the cluster. Before working with the cluster be sure to remove all static electricity from your body by touching the metal part of the dash.

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



Figure 1 Remove Steering Column Lower Cover

SERVICE PROCEDURE (CONT.)

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



Figure 2 Remove Cluster Dash 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.)



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.

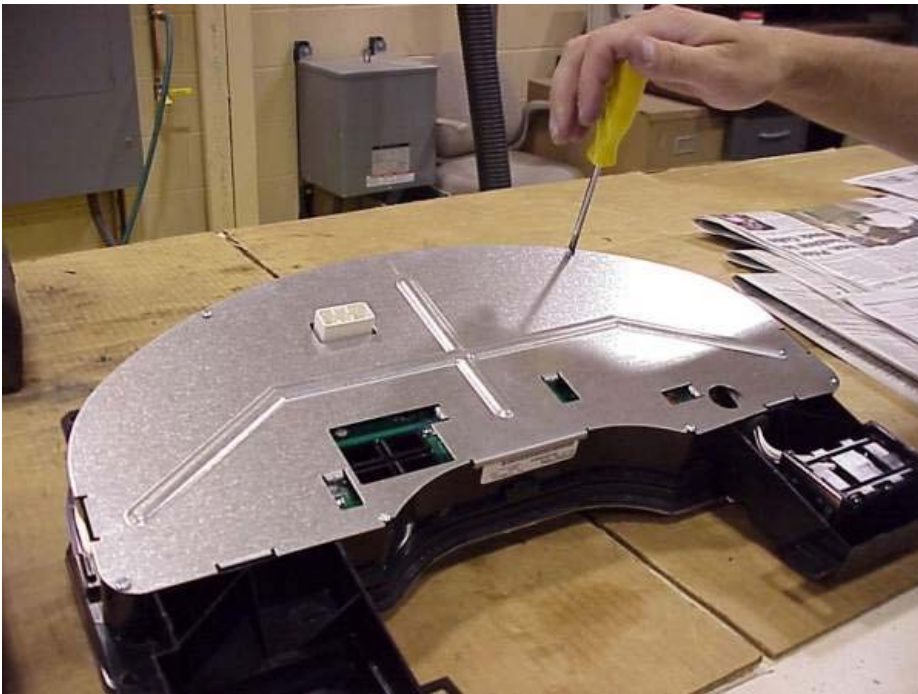


Figure 5 Remove Fasteners from Rear Cover

SERVICE PROCEDURE (CONT.)

7. Locate the Check Electrical System light, identified as SDS16 on the circuit board (Figure 6).



Figure 6 Locate the Check Electrical System Light (Arrow)

SERVICE PROCEDURE (CONT.)

8. The lights are supported by two bridges to the circuit board. Use a sharp knife and cut through one of the bridges (Figure 7).

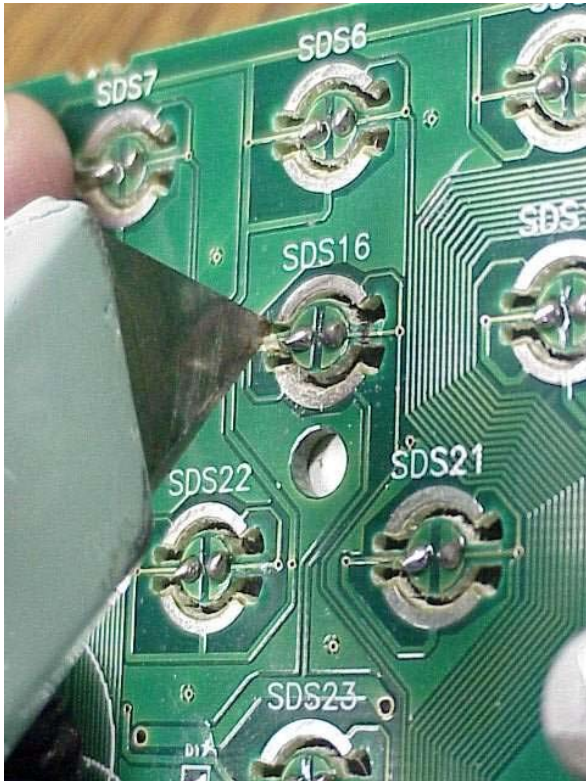


Figure 7 Cut Bridge

9. Use a small blade screwdriver to pry the lamp above the circuit board surface (Figure 8).



Figure 8 Pry Lamp Above Circuit Board Surface

SERVICE PROCEDURE (CONT.)

10. Grasp the lamp with long nose pliers and carefully twist the lamp out of the circuit board (Figure 9)

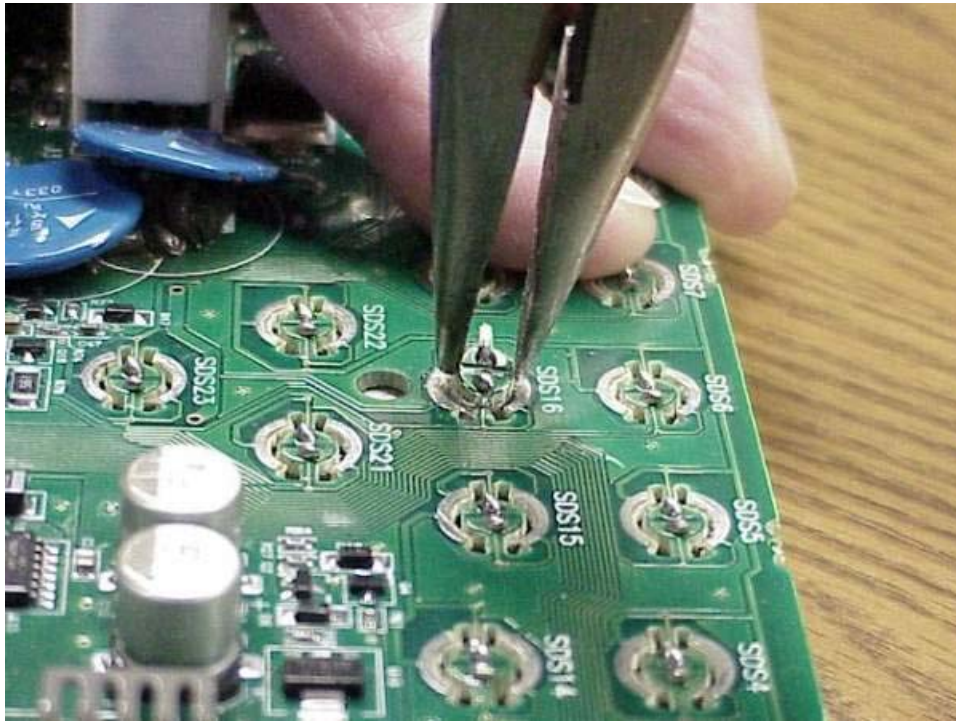


Figure 9 Remove Lamp

11. Reinstall the instrument cluster following Steps 2 through 5 in reverse order.
12. Reconnect the negative battery cable.
13. Check for proper operation.

Operation number must appear on all claims.

Table 1 Labor Information

Operation No.	Description	Time
A40-05901-1	Remove Check Electrical System Light	0.50 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-05901.

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-05901 activity must be submitted by March 31, 2006 or within the normal warranty period for the vehicle, if after March 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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