



FIELD SERVICE CAMPAIGN – 19116

15 January 2020

SUBJECT:

Remote Power Module Data Link Circuit

MODELS INVOLVED:

International® HV™ Series

DEFECT DESCRIPTION:

The Remote Power Module (RPM) data link circuit may be pinned incorrectly, resulting in potential PTO operation issues.

ELIGIBILITY:

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with FSC 19116. Also complete any other open campaigns listed on the Service Portal at this time.

TOOLS REQUIRED:

Description	Tool Number
Kit, Terminal Release Tool	TXT126870236
Kit, Int. Elec. Eng. Terminal Test	ZTSE4435C
Fluke 88 Multimeter or Equivalent	ZTSE4357

Table 1 Tools Information

PARTS REQUIRED:

No parts are needed for this repair.

WORK INSTRUCTIONS

GOVERNMENT REGULATION: Engine fluid (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluid and other contaminated materials (such as filters and rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

WARNING! To prevent, personal injury and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent, personal injury and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

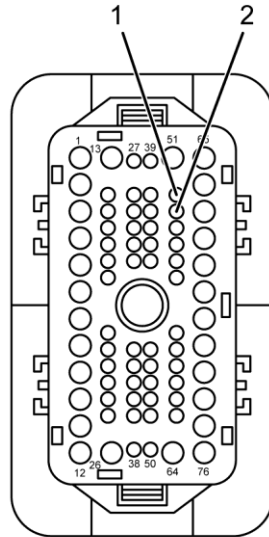
1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.
5. Unlatch and open hood.



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Figure 1. Driver-Side Engine Compartment

1. Connector 1701F
6. Locate and disconnect the 1701F (76-pin) connector (Figure 1, Item 1) on the driver-side of the engine compartment bulkhead.
7. Remove the connector back shell cover.



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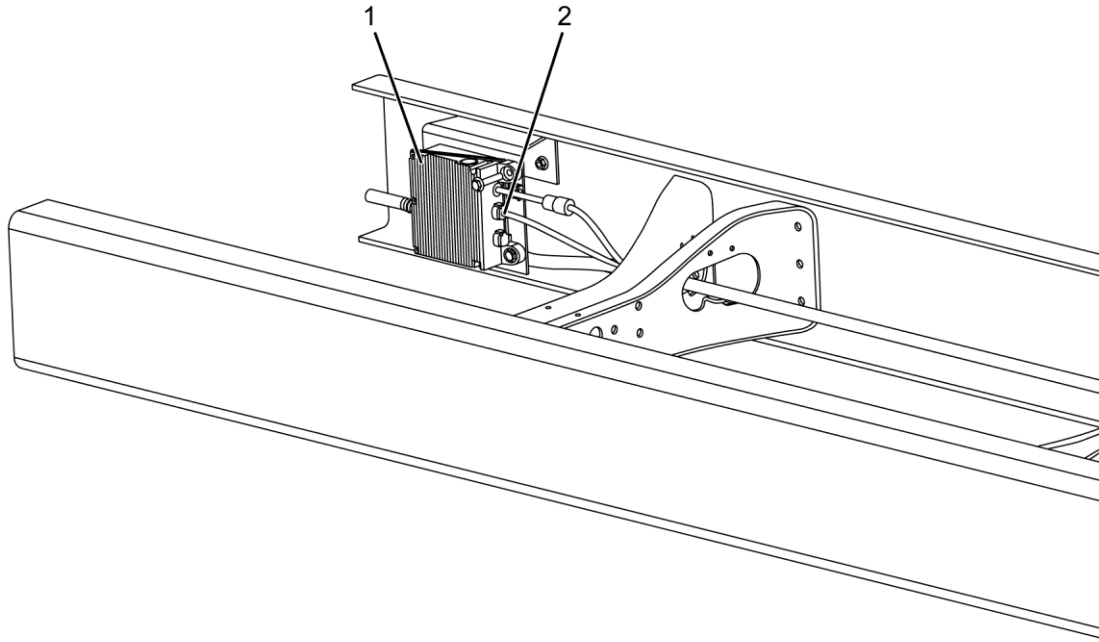
Figure 2. 1701F Connector Face View

1. Cavity 52
2. Cavity 53

8. Ensure that the 18 AWG YELLOW wire (ZE5E+) is inserted into cavity 52 (Figure 2, Item 1).
9. Ensure that the 18 AWG GREEN wire (ZE5E-) is inserted into cavity 53 (Figure 2, Item 2).

NOTE: Do not install connector at this time.

10. Are wires in the correct cavities?
 - a. If wires are are in the wrong cavities, de-pin and reposition per Steps 8 and 9.
 - b. If wires are in the correct cavities, proceed to Step 11.



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Figure 3. Frame Rails at Rear of Chassis

- 1. RPM module
- 2. 4410F harness connector

11. Locate the RPM module (Figure 3, Item 1) on the driver-side frame rail, at rear of the the chassis.
12. Disconnect the 4410F (6-pin) harness connector (Figure 3, Item 2) at the RPM module.

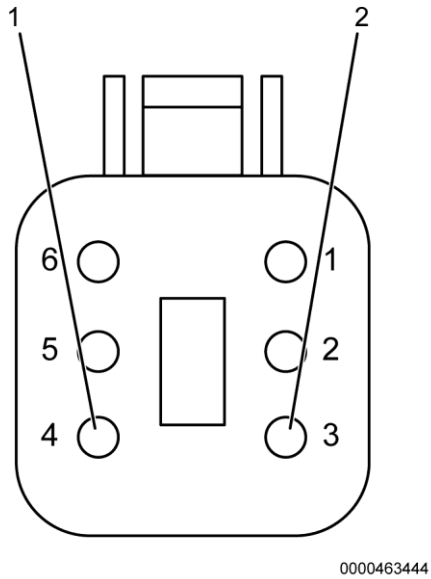


Figure 4. 4410F Connector Face View

1. Cavity 4
2. Cavity 3

13. Ensure that the 18 AWG YELLOW wire (ZE5E+) is inserted into cavity 3 (Figure 4, Item 2).
14. Ensure that the 18 AWG GREEN wire (ZE5E-) is inserted into cavity 4 (Figure 4, Item 1).

NOTE: Do not install connector at this time.

15. Are wires in the correct cavities?
 - a. If wires are in the wrong cavities, de-pin and reposition per Steps 13 and 14.
 - b. If wires are in the correct cavities, proceed to Step 16.
16. With a multimeter, perform continuity check between connector 1701F pin 52 and connector 4410F pin 3.
17. Repeat Step 14 for connector 1701F pin 53 and connector 4410F pin 4.
18. If continuity is not found between the appropriate cruits, repeat Steps 6 - 16 to verify that the circuit pins are in the correct cavities.

19. Connect 4410F connector to the RPM.
20. Connect 1701F connector at the bulkhead.
21. After proper circuit positions are confirmed, operate all PTO and / or body equipment to ensure proper function.
22. Close and latch hood.
23. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Operation Number	Description	Time
A40-19116-1	Inspect RPM Data Link Circuits Only	0.2 hrs
A40-19116-2	Inspection and Pin Correction at Firewall Connector Only	0.3 hrs
A40-19116-3	Inspection and Pin Correction at RPM Under Cab Only	0.3 hrs
A40-19116-4	Inspection and Pin Correction at Both Locations	0.4 hrs

Table 2 Labor Information

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 19116.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 19116 activity must be submitted by 15 January 2021 or within the normal warranty period for the component, if after 15 January 2021.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number

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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