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## FIELD SERVICE CAMPAIGN – 15111

20 October 2015

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### Subject:

No Idle HVAC or No Idle Heater – Will Not Operate

### Models Involved:

ProStar<sup>®</sup> with ICON Idle Management and 72 in cab.

### Defect Description:

The battery feed wire, A14XX, may be missing for the No Idle HVAC fuse or No Idle Heater fuse. A missing feed wire will prevent the No Idle HVAC or No Idle Heater from operating.

### Eligibility:

This procedure applies ONLY to vehicles marked in the International<sup>®</sup> Service Portal<sup>SM</sup> with FSC 15111. Also complete any other open campaigns listed on the Service Portal at this time.

### Parts Required:

| Part Number                 | Part Description                                            | Quantity            |
|-----------------------------|-------------------------------------------------------------|---------------------|
| 3574287C1                   | Terminal, Cable                                             | 1                   |
| 3581768C1                   | Terminal, Cable 5/16 in or 8 mm Eyelet                      | 1                   |
| 2644000R1 or source locally | Sleeve, Cable Insulating Heat Shrink 7.6 mm ID X 50 mm Long | 1                   |
| 2643695R1                   | Cable, Low Tension Bulk – 12 Gauge Red                      | 127 in<br>(3225 mm) |
| 306132C1 or source locally  | Cable Tie, 9 in                                             | 11                  |

**Table 1** Parts Information

## Work Instructions

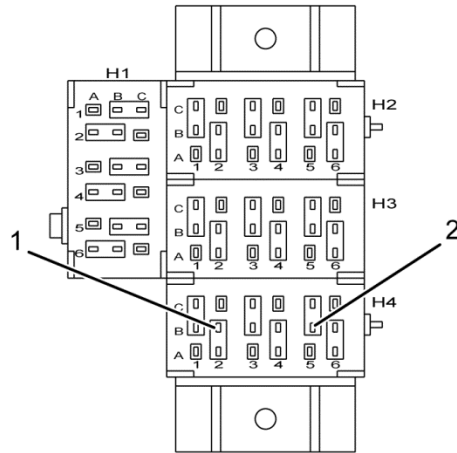
**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND INSTALL WHEEL CHOCKS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS.

**WARNING!** TO PREVENT PERSONAL INJURY AND / OR DEATH, ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE.

**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, KEEP FLAMES OR SPARKS AWAY FROM VEHICLE AND DO NOT SMOKE WHILE SERVICING THE VEHICLE'S BATTERIES. BATTERIES EXPEL EXPLOSIVE GASES.

**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, REMOVE THE GROUND CABLE FROM THE NEGATIVE TERMINAL OF THE BATTERIES BEFORE DISCONNECTING ANY ELECTRICAL COMPONENTS. ALWAYS CONNECT THE GROUND CABLE LAST.

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Install wheel chocks.



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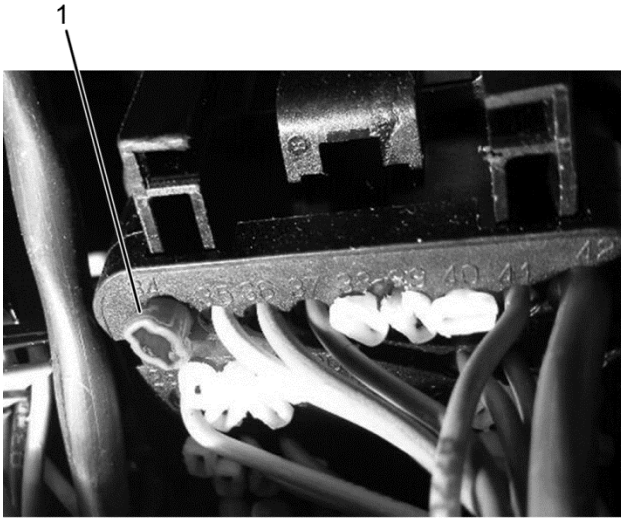
**Figure 1. Connector 5001.**

1. Cavity B2
  2. Cavity B5
- 
4. Access vehicle sleeper fuse panel.
  5. Remove panel located at rear face of left front bunk cover. Locate connector 5001.
  6. Using a volt meter:
    - a) Vehicles equipped with No Idle Heater option: measure voltage at fuse block H4, cavity B2 (Figure 1, Item 1):
      - a) If no voltage is present, proceed to Step 7.
      - b) If voltage is present, proceed to Step 32.
    - b) Vehicles equipped with No Idle HVAC option: measure voltage at fuse block H4, cavity B5 (Figure 1, Item 2):
      - a) If no voltage is present, proceed to Step 7.
      - b) If voltage is present, proceed to Step 32.

7. Cut 12 gauge red wire to a length of 127 in (3225 mm).
8. Trim 1/8 in (5 mm) of insulation from both ends of 12 gauge red wire.
9. Crimp terminal 3574287C1 to one end of 12 gauge red wire.
10. Cut insulating heat shrink in half. Slide heat shrink over other end of 12 gauge red wire and then crimp terminal 3581768C1 onto this end of 12 gauge red wire.
11. Position insulating heat shrink over terminal crimp area and using heat gun, shrink insulator onto terminal and wire.

**NOTE: Save fasteners for reuse.**

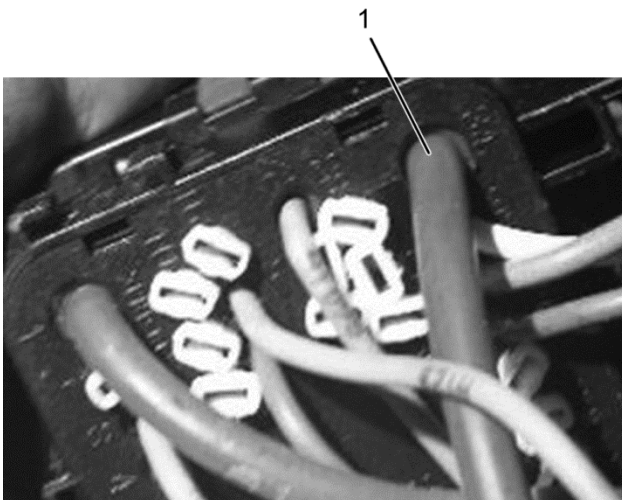
12. Remove driver-side kick panel. Refer to Service Manual section, [Kick Panel – Removal](#).
13. Remove ten screws from steering column trim panel and remove trim panel. Refer to Service Manual section, [Steering Column Trim Panel – Removal](#).
14. Remove engine cover trim and cup holder assembly to gain access to the load shed latching relay. Refer to Service Manual section, [Cup Holder and Ashtray – Removal](#).
15. Access and remove instrument panel gauge cluster. Refer to Service Manual section, [Gauge Cluster – Removal](#).
16. Remove operator-side scuff plate and seatbelt retractor cover. Refer to Service Manual section, [Scuff Plate and Seat Belt Retractor Cover – Removal](#).



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**Figure 2. Connector Composite 5000.**

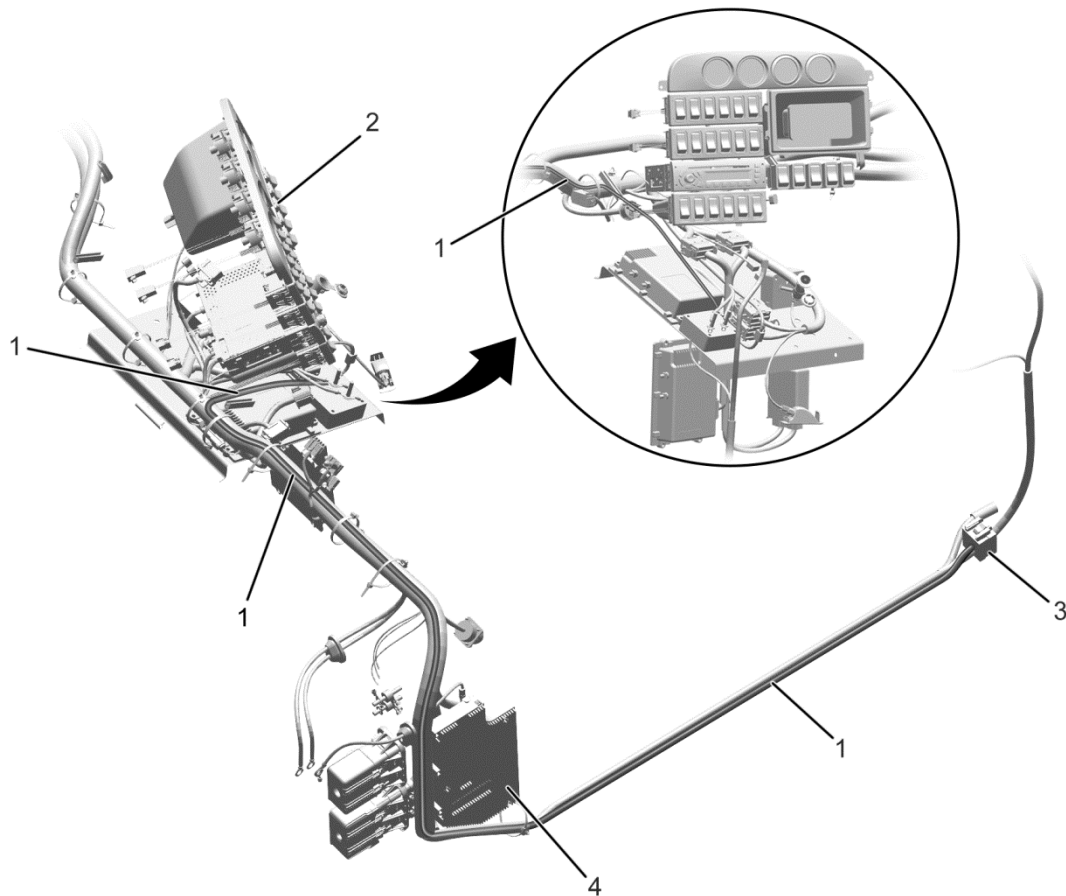
1. Terminal plug – cavity 34
17. Unlatch and open battery box and disconnect ground cables from batteries.
18. Locate and disconnect Connector Composite 5000 just behind the seat belt retractor.
19. Remove / disengage terminal lock, and remove cavity 34 terminal plug (Figure 2, Item 1).



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**Figure 3. Cavity 34 – A14XX Circuit.**

1. Circuit A14XX – cavity 34
20. Using newly created harness, populate end with terminal 3574287C1 into cavity 34 (Figure 3, Item 1) of connector. Install terminal lock, and reconnect connector composite 5000.



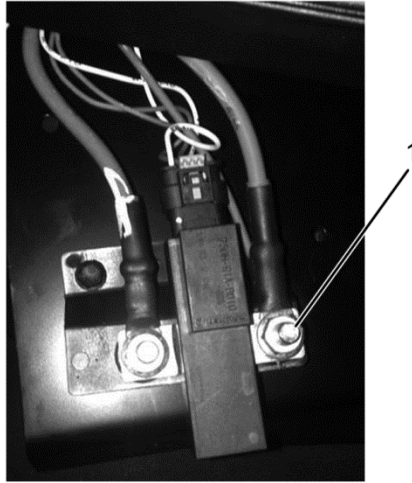
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**Figure 4. Routing – A14XX Harness.**

1. Harness
2. Center of dash
3. Connector composite 5000
4. Body Control Module (BCM)

**CAUTION: To prevent component damage, ensure harness is routed to prevent chafing with metal surfaces or sharp edges or panel screws. Do not route harness near moving parts.**

21. Route harness (Figure 4, Item 1) from connector composite 5000 (Figure 4, Item 3) following existing vehicle harness under sill plate, then behind BCM (Figure 4, Item 4), into the main harness behind the cluster through to center of dash (Figure 4, Item 2).



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**Figure 5. Load Shed Relay**

1. Input terminal
22. From center of dash, route harness to the input terminal (Figure 5, Item 1) of the load shed relay.
23. Using 9 in cable ties, secure newly routed harness every 14 in, ensuring no contact is made with other ground circuits, moving parts, or metal surfaces.
24. Remove nut and washer from load shed relay input; install circuit A14XX. Tighten nut to 90 lb-in (10 N·m).
25. Connect ground cables to batteries. Close and latch battery box.
26. Verify voltage at sleeper fuse center. Install fuse cover panel.
27. Install operator-side seatbelt retractor cover and scuff plate. Refer to Service Manual section, [Scuff Plate and Seat Belt Retractor Cover – Installation](#).
28. Install instrument panel gauge cluster. Refer to Service Manual section, [Gauge Cluster – Installation](#).
29. Install engine cover trim and cup holder assembly. Refer to Service Manual section, [Cup Holder and Ashtray – Installation](#).

30. Install steering column trim panel. Refer to Service Manual section, [Steering Column Trim Panel – Installation](#).
31. Install driver-side kick panel. Refer to Service Manual section, [Kick Panel – Installation](#).
32. Install panel located at rear face of left front bunk cover.
33. Remove wheel chocks.

## LABOR INFORMATION

Operation number must appear on all claims.

| Operation Number | Description                        | Time    |
|------------------|------------------------------------|---------|
| A40-15111-1      | Inspection Only                    | 0.3 hr  |
| A40-15111-2      | Inspect, Make Circuit, and Install | 2.0 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 15111.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

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 15111 activity must be submitted by 20 October 2016 or within the normal warranty period for the component, if after 20 October 2016.

| 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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