



***Auxiliary Heater Harness
Campaign Directive***

Customer: Cintas

Situation: Auxiliary heater may blow fuse on main dash harness

Corrective Action Summary: Replace heater switch and route new power harness with inline fuse from battery

Range of Units Affected: 2015 Aeromaster on the Ford F59 chassis equipped with auxiliary cab heaters manufactured after January 1, 2016. Contact Utilimaster Warranty Department to verify chassis VIN.

Authorized to Perform the Work:

- √ Customer or customer contractor
- √ Utilimaster or Utilimaster contractor



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Parts Required:

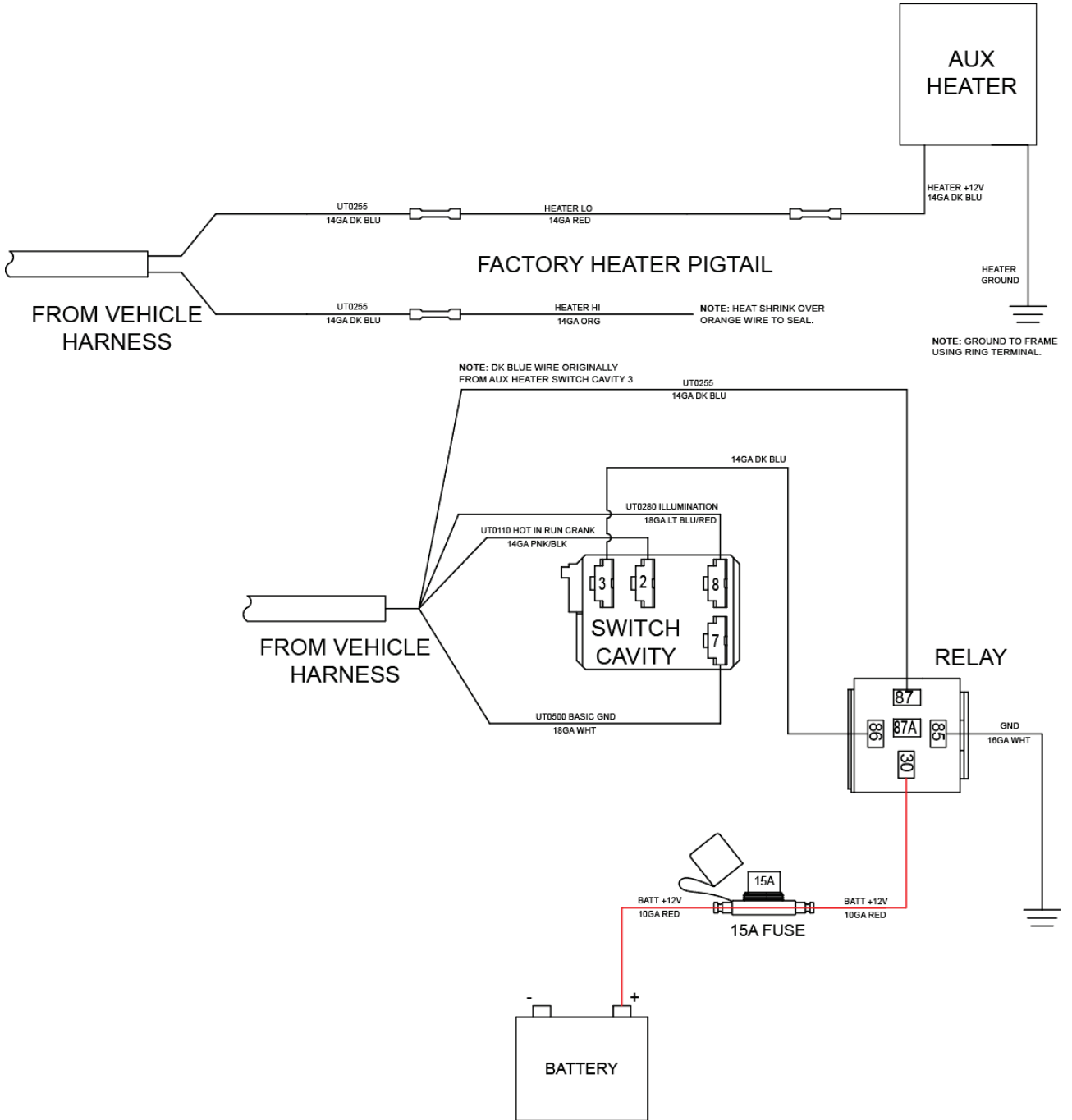
KIT 23003824SK-Auxiliary Heater Harness Kit

| Part Number | Description | Qty |
|-----------------|----------------------------------|-------|
| 16303502 | WIRE SXL CRS/LNK POLY WHT 16GA | 2 ft |
| 16511375-20000 | CONN BUTT H/S | 2 |
| 16511367-20250 | TERMINAL FEMALE SPADE | 1 |
| 16511367-64250 | TERMINAL FEMALE SPADE | 3 |
| 16511375-64000 | CONN BUTT H/S 16-14 | 2 |
| 16511375-28000 | CONN BUTT H/S 22-18 | 2 |
| 11300177 | SCREW STP PNH TX 1/4-20 x .75 ZN | 2 |
| 16514677 | RELAY 12V 60A | 1 |
| 16516418-1D1G66 | SW BODY CARLING 0N/OFF | 1 |
| 16516417-G2008 | ACTR SW CARLING GRN "AUX HTR" | 1 |
| 16512443-64312 | TERMINL RING H/S INSULATE | 2 |
| 16516872-00750 | BUSHING SNAP .750 | 1 |
| 16303200 | RED 10 GA WIRE | 19 ft |
| 16510019 | 3/8" SPLIT LOOM | 19 ft |
| 16605701 | STRAP WIRE TIE BLK 15.35" | 10 |
| 16514575-00150 | 15A FUSE | 1 |
| 16512651 | FUSE HOLDER | 1 |
| 03104479 | DECAL SERVICED JOB CODE | 1 |
| 03103213-D002EN | AUX HEATER HARNESS BULLETIN | 1 |

Tools Required:

- Standard combination and ratchet wrench sets
- Phillips and standard screw driver sets
- Drill with F-bit (or 1/4"), 7/32", and 3/4" bits
- Sta-Kon terminal crimping tool or equivalent
- Deburring tool or file
- Heat gun

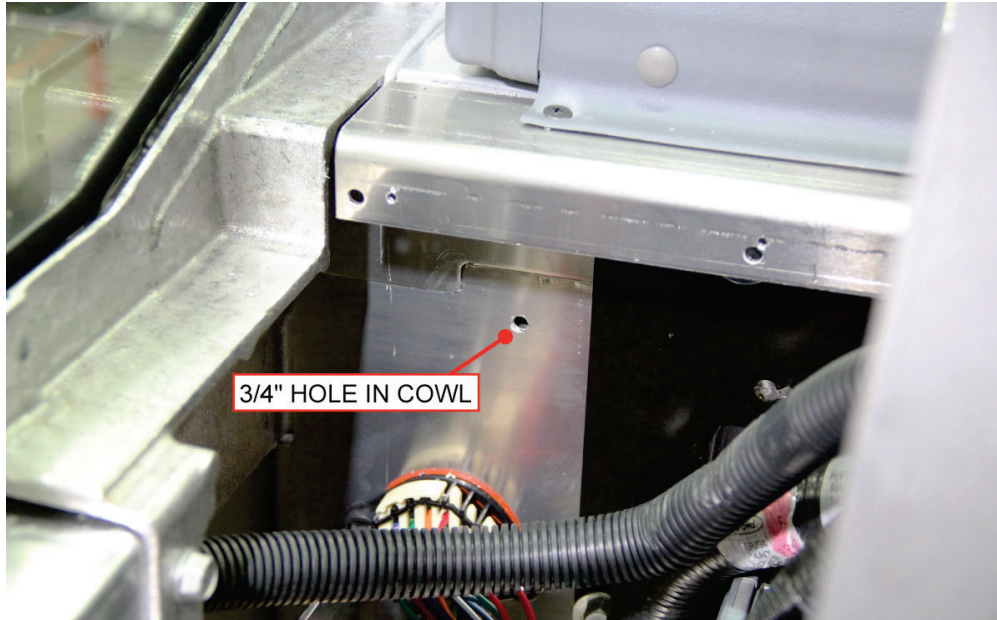
Wiring Overview



Heater harness wiring overview

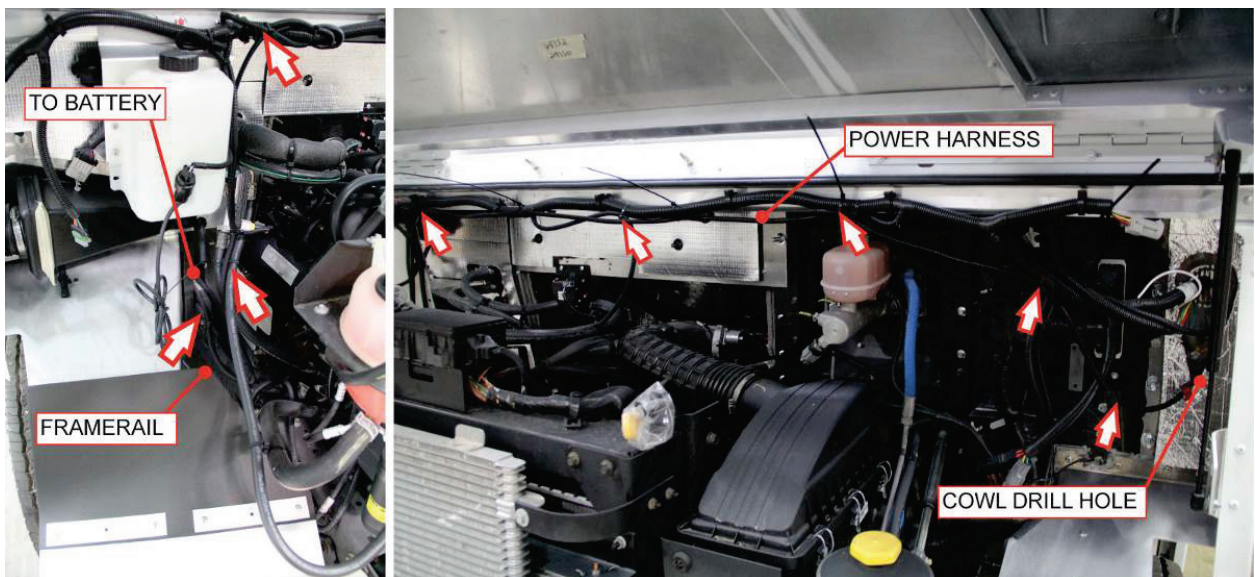
Procedure

1. Disconnect the **Negative (-)** battery cable(s).
2. Use an F-bit to drill a pilot hole in the LH cowl.
3. Use a 3/4" bit to enlarge hole.



Hole for battery power harness

4. Feed the heater power supply harness through cowl riser, apply sealant to harness bushing and secure.
5. Route power harness along the cowl harness, RH chassis harness and frame rail to the battery box.



Power harness secured to cowl harness to frame rail

NOTICE

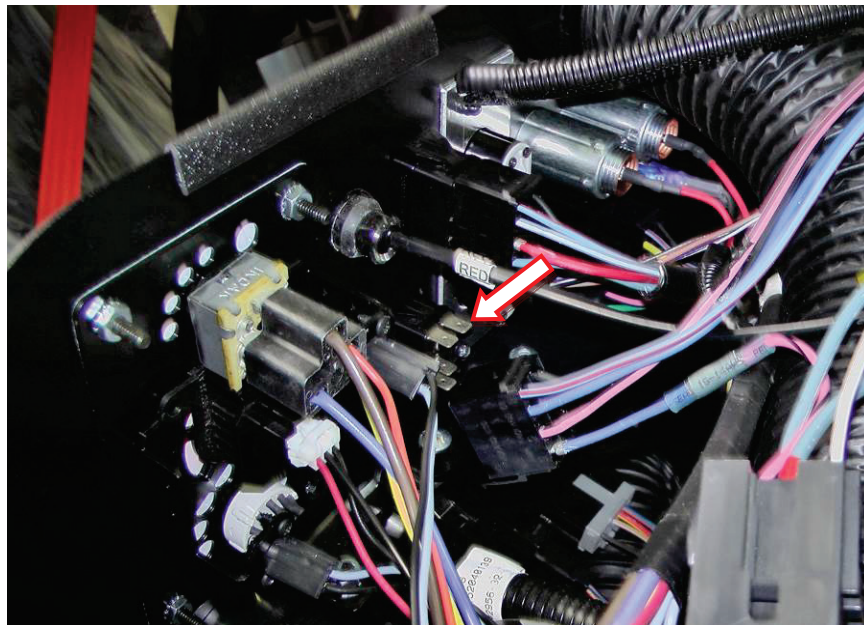
Keep all fasteners for installation.

6. Remove (6) screws from the dash hood and set aside.



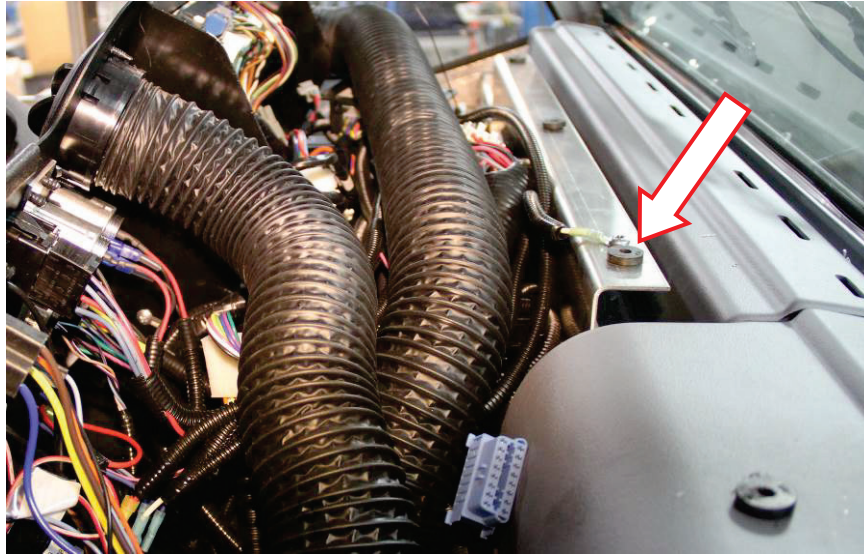
Dash hood

7. Disconnect the auxiliary heater control switch and discard.



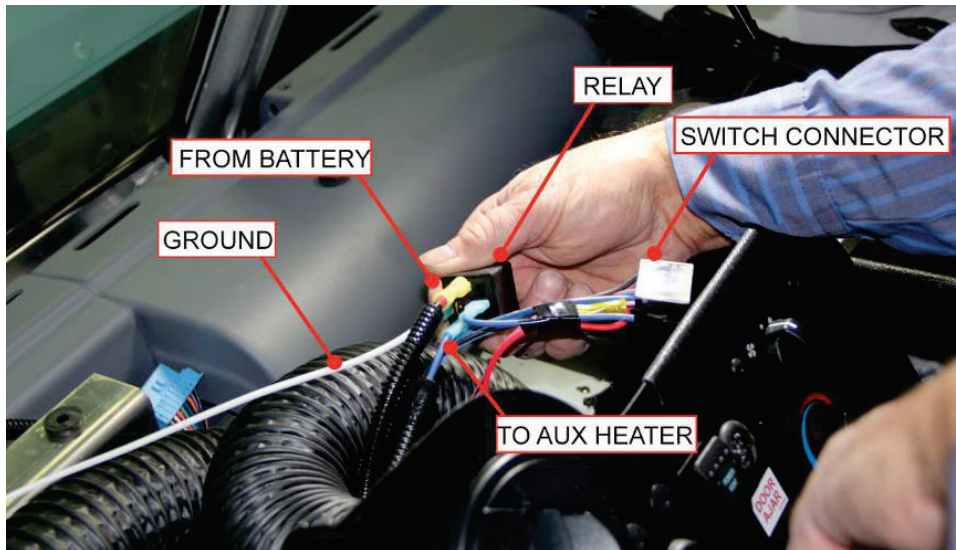
Auxiliary heater switch

8. Drill a 7/32" hole in the dash bracket.
9. Cut and strip Ground wire and crimp a ring terminal and terminal connector to each end.
10. Secure the WHITE Ground wire ring terminal to the cowl with a 1/4-20 fastener.



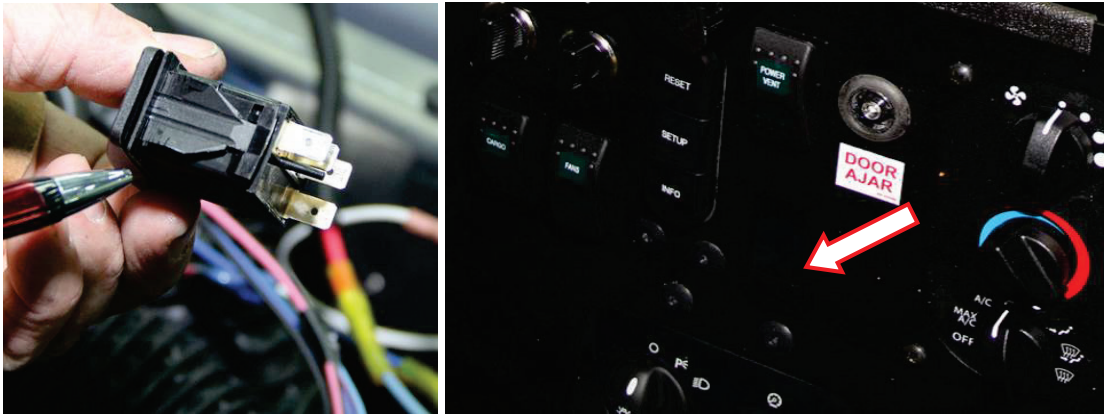
Relay Ground wire

11. Cut, strip and crimp a terminal connector to the RED battery harness.
12. Cut the DARK BLUE switch wire. Strip wires and crimp terminal connectors to both ends.
13. Connect RED Battery harness, both DARK BLUE heater power switch and Ground terminals to relay.



Switch wiring

14. Insert replacement switch in dash and connect harness.

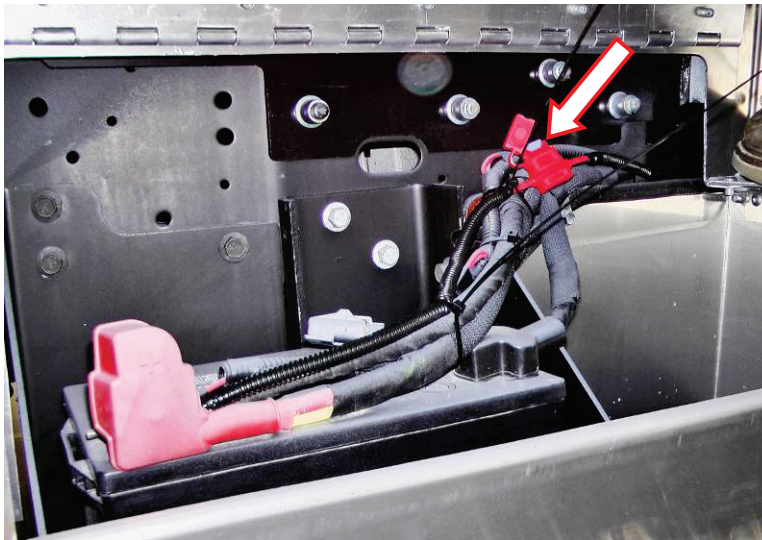


Switch (top shown) and dash opening

15. Install inline fuse at battery box.

16. Connect to **Positive (+)** battery terminal.

17. Connect the **Negative (-)** battery cable(s).



Inline fuse on heater power harness

⚠ CAUTION

Secure wire harnesses a maximum of every 18".

*All wire harnesses need to be free and clear from the range of motion of any moving part and **MUST** be prevented from falling into the range of motion of a moving part.*

18. Test system operation.

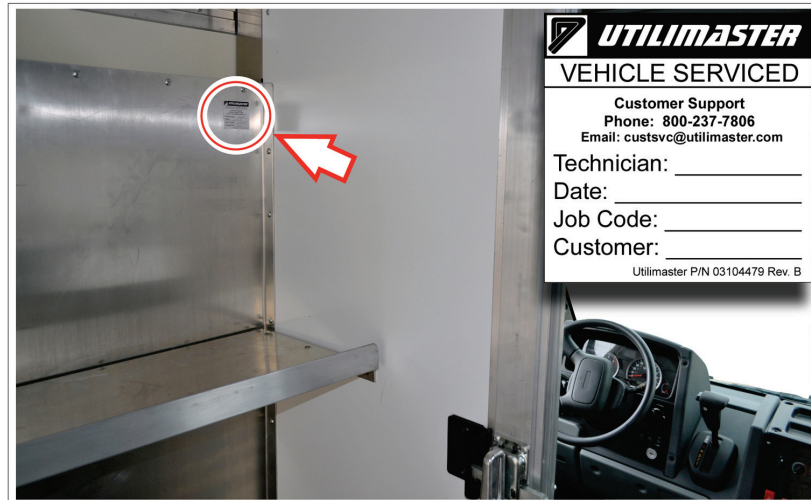
19. Secure all harnesses with wire ties to the LH chassis harness, cross member and frame rails.

20. Install dash.



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21. Use Job Code 13-N3-91-Z4 from this document to complete the SERVICED decal.
22. Adhere the decal to the upper right-hand corner of the driver's door pocket panel next to the bulkhead wall. Do NOT cover any previously applied decals.



Service decal on driver's door pocket (cargo side)

NOTE: In order to be reimbursed for labor, the repair MUST be completed and warranty claim filed within 1 year from the initial date of this publication.

File Warranty By: April 11, 2017

Contact Utilimaster to Order Parts and File Warranty.

Email: Warranty@Utilimaster.com

Phone: 574-848-2000

Mail or Express Service:

Fax: 574-848-2809

Utilimaster

Attn: Warranty Dept.

603 Earthway Blvd.

Bristol, IN 46507-9182, USA

Labor Allowance: Up to 0.75 hours **Job Op Code:** 13-N3-91-Z4

Document Part Number: 03103213-D002EN **Revision:** A

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