

Media Number : 000001 – 24U

Issue Date: 8/30/2024

Model And Serial Number(s):

TX30-40M

Subject:

Lift Link Telematics installation

Cause:

New Lift Link Telematics solution being provided for current model trucks.

Resolution:

Providing installation instructions for field install of Lift Link Telematics.



WARNING

- Do not operate a lift truck unless you are qualified and authorized and have read and understand the Operation and Maintenance Manual (OMM) or Operating Instructions (BL).
- Do not perform service or repair on lift trucks unless you are qualified and authorized and have read and understand the Service Manual or Service Handbook (SH) and any applicable safety guidelines prior to working on equipment.
- Improper operation, service, or repair could result in injury or death.
- Make all repairs with the lift truck parked on a level, hard surface. Block the lift truck to prevent rolling while working on, or under, the lift truck. Use a tire cage if tires are to be replaced or worked on.
- Ensure enforcement of company policy for proper LOCKOUT/TAGOUT procedure. (Please refer to HPK article 000019-15 for general guidelines)
- Disconnect battery prior to working on any electrical components or welding.
- Obey all safety guidelines when welding on or near flammable fluids. Always have an approved fire extinguisher on hand.

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Step 1: Make sure you have all the required components (included in kit part number **W0001-RK066**).



Telematic Harness
(Body)
9040118442

Telematic
Harness (OHG)
9040118443



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Step 1 cont:



Jumper Harness
9040118583

Jumper Harness
9040118582



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Step 1 cont:



Impact Sensor
26820-KT010



VAC4 RAM Mount Kit
9040118569

Telematics Display
24058-KT010

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Step 2: Recommended to remove the battery for easier access for harness routing.



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Step 3: Remove LH rear access panel.

Remove bolt caps, remove bolts, then remove cover.



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Step 4: Remove floor plates and kick panel, be careful disconnecting wiring connection to accel pedal.

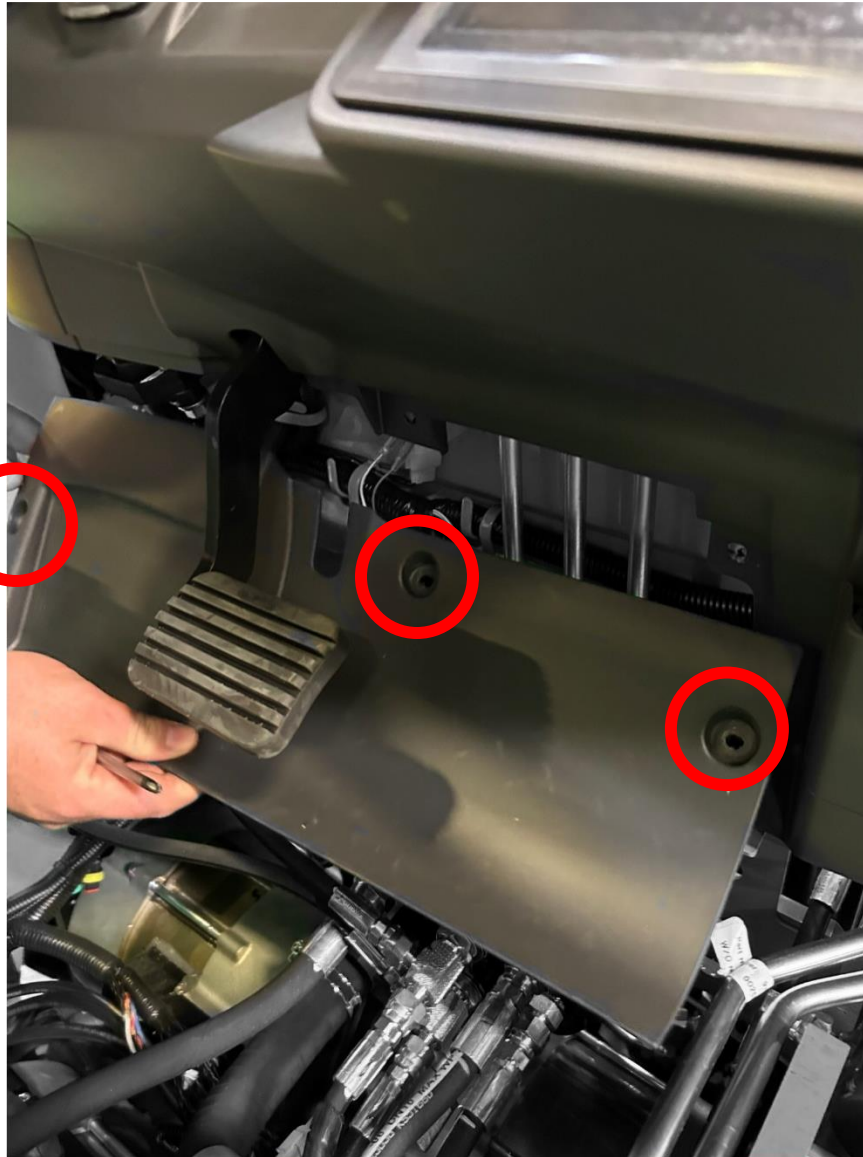


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Step 5: Remove lower dash cover.

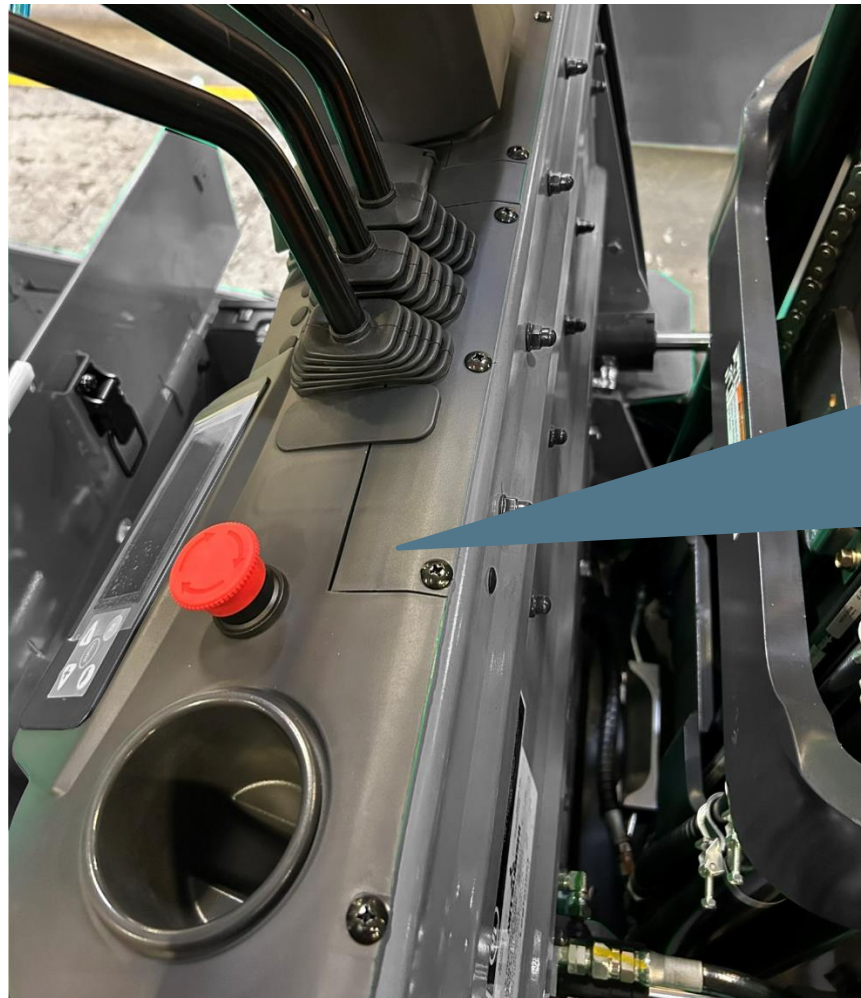
Remove 3 bolts to
remove lower cover.



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Step 6: Remove upper dash panels, be careful when disconnecting harness connections.



Remove upper cover screws and remove upper panels. Be careful when disconnecting harness connections to e-stop, display, and parking brake switch.

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Step 7: Route the OHG harness through the OHG where the headlight harness comes out. Removal of the headlamp/bracket can make this easier.

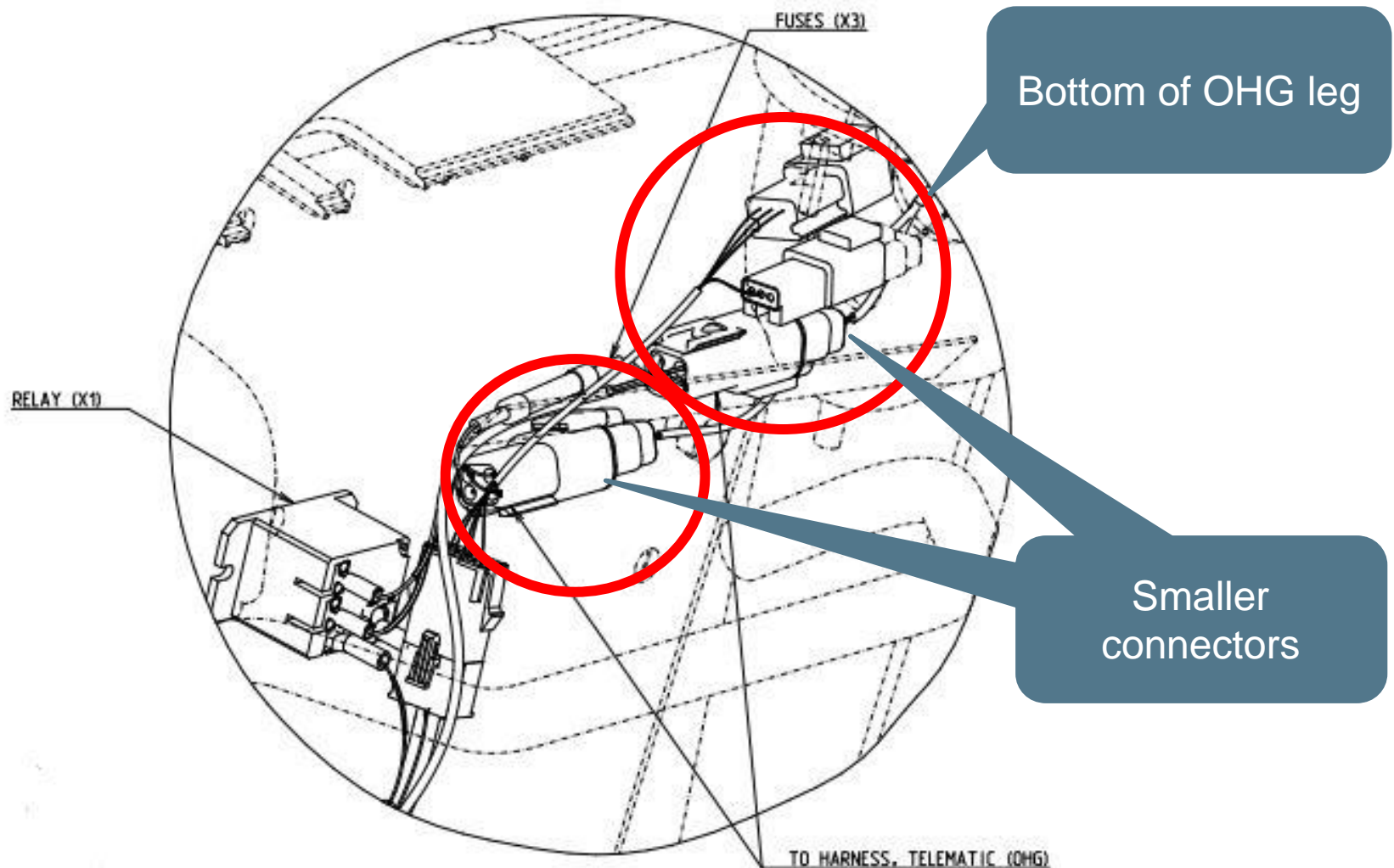
Cables going through holes/bulkheads with sharp edges should be protected with something like wire loom. The photos shown are for routing illustration purposes only.



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Step 7 cont: **NOTE:** Routing the smaller connectors through the OHG from the top down is recommended for ease of installation.



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Step 8: OHG harness will come out of the hole under the RH dash panel.



OHG harness exit
from OHG leg.

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Step 9: Route the jumper harness (9040118582) the same way as the OHG harness.



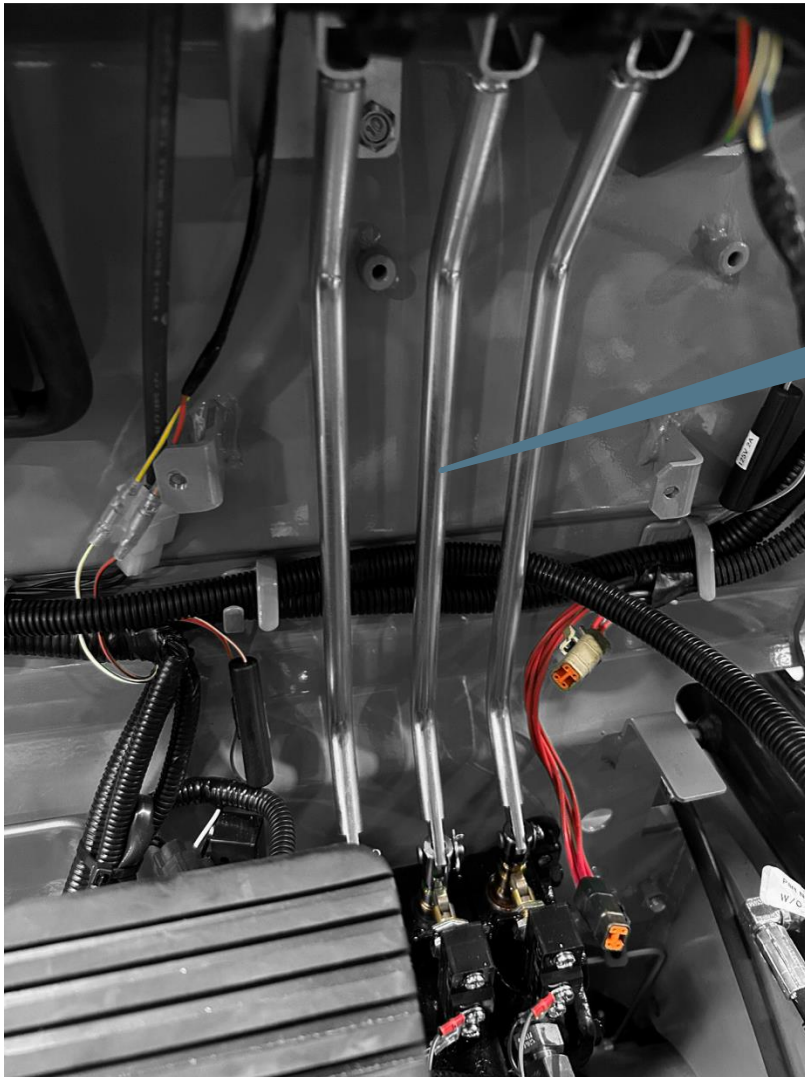
Jumper harness

OHG harness

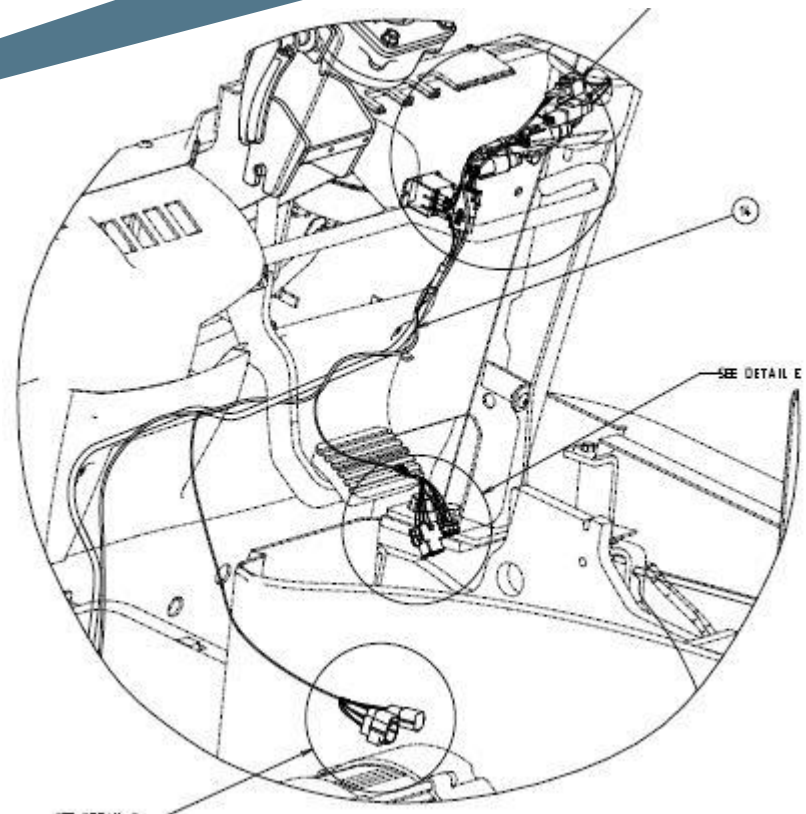
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Step 10: Connect OHG harness to telematic body harness and connect jumper harness (9040118582) to jumper harness (9040118583), and route along main harness, securing with zip ties.



Be sure to route BEHIND hydraulic levers.



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Step 10 cont:

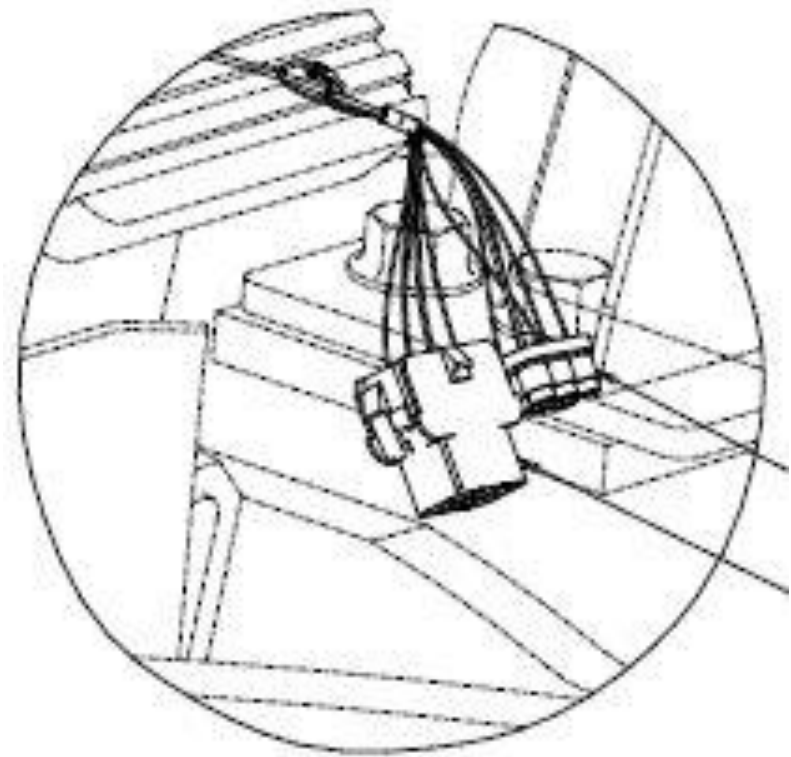
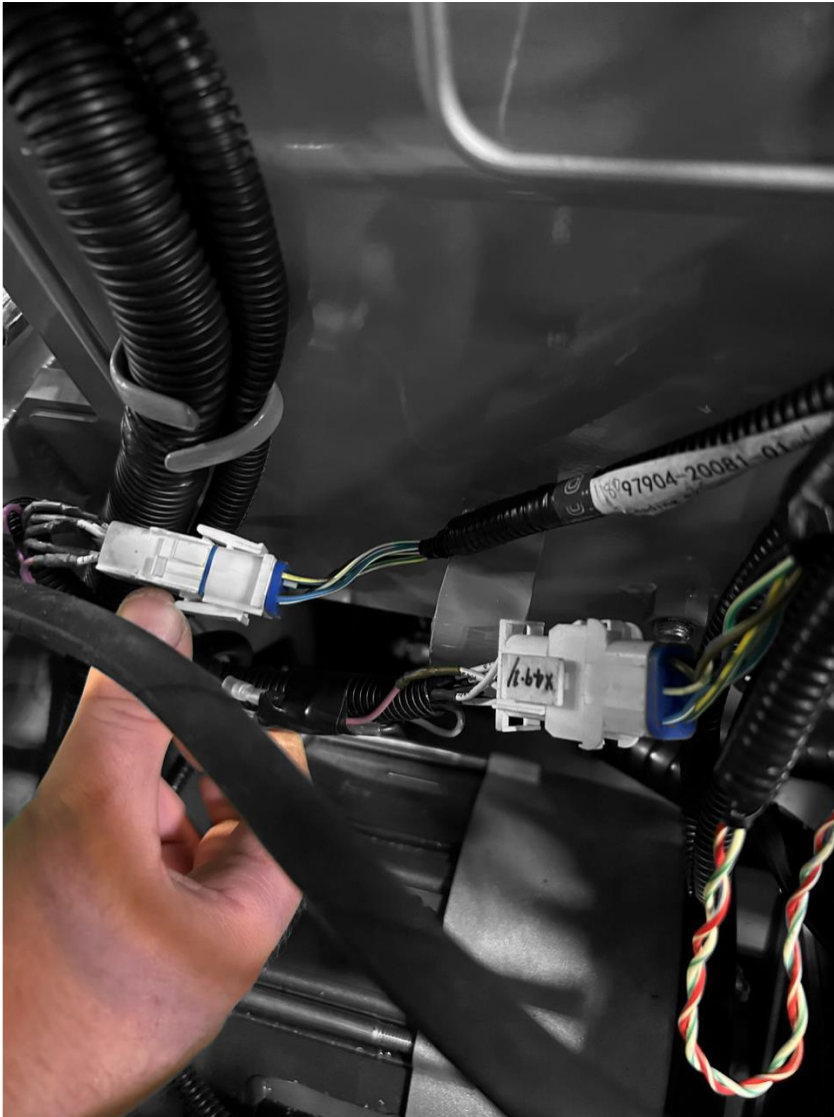


This document contains information to assist with scheduled or as-needed product service.
Always refer to all Safety and Cautionary Instructions and Warnings in the applicable Service Manual and Operation and Maintenance Manual.

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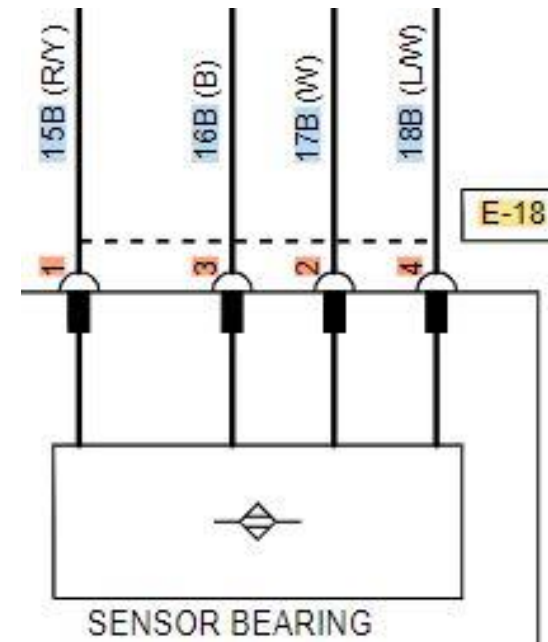
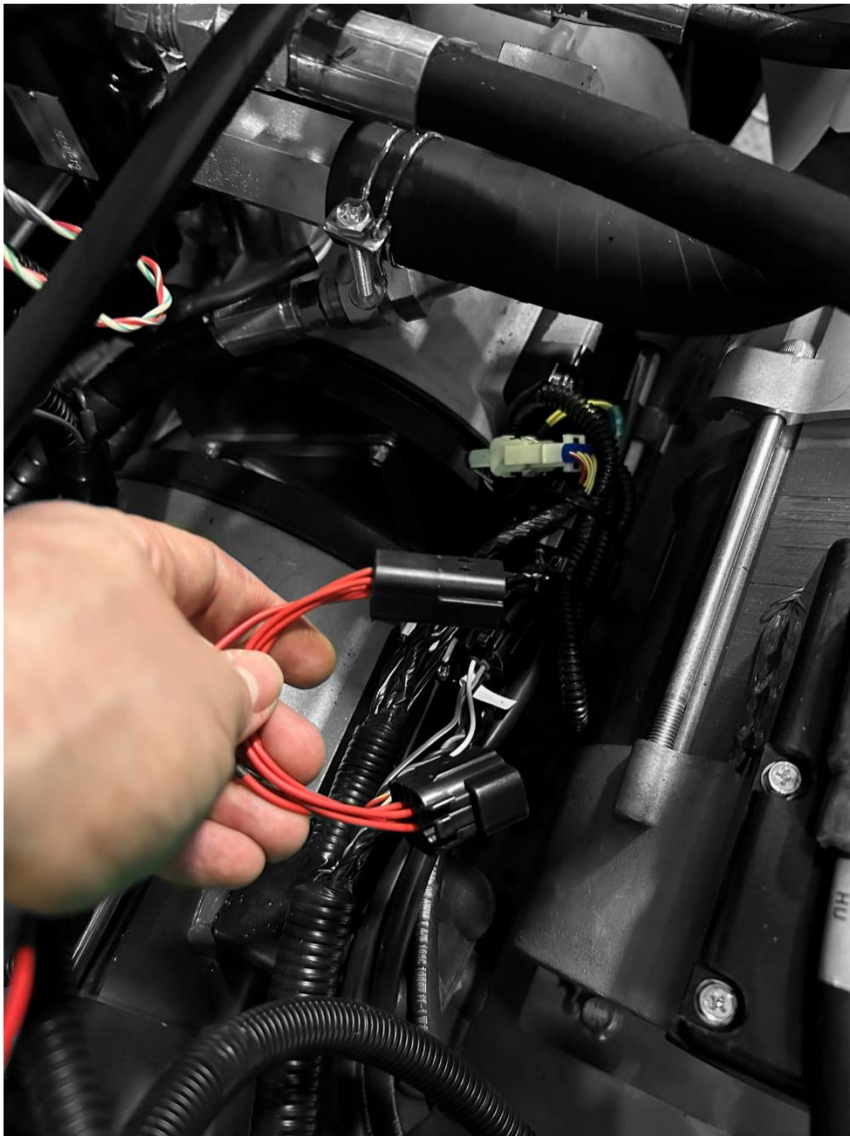
Step 11: Telematic body harness will connect in line with the valve harness connector.



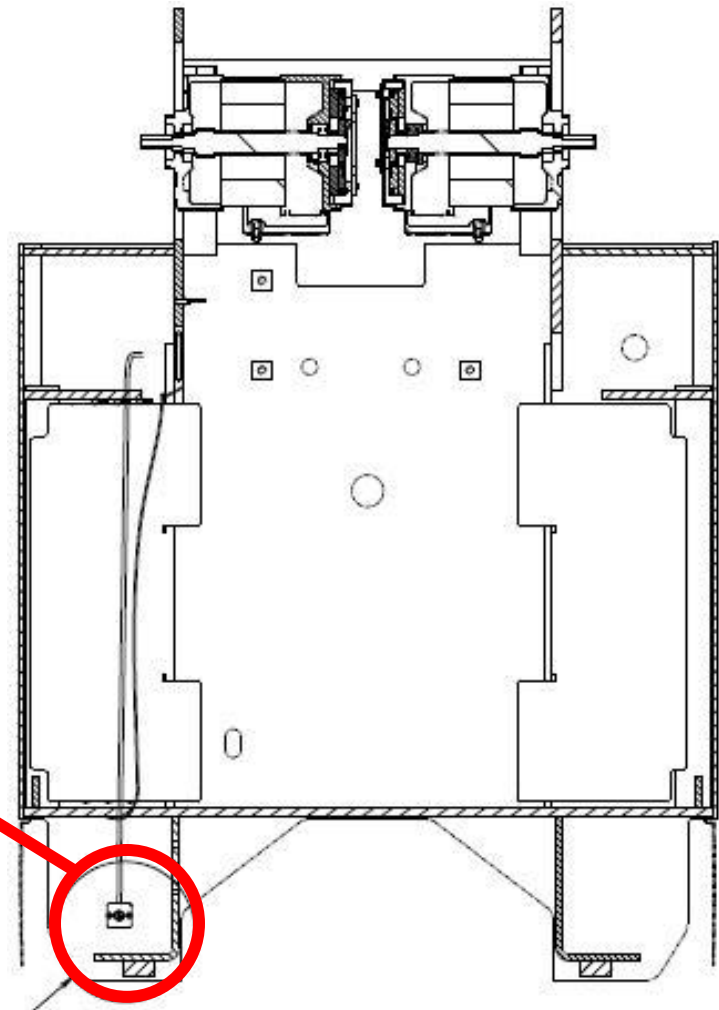
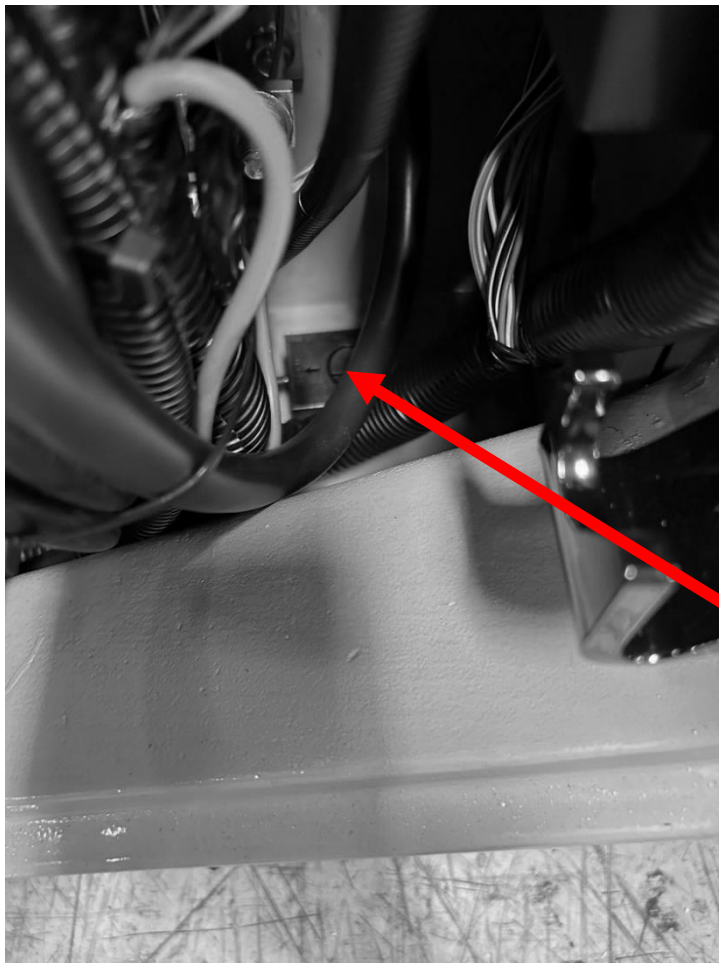
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Step 12: Telematic body harness will also connect in line with the LH traction motor encoder.



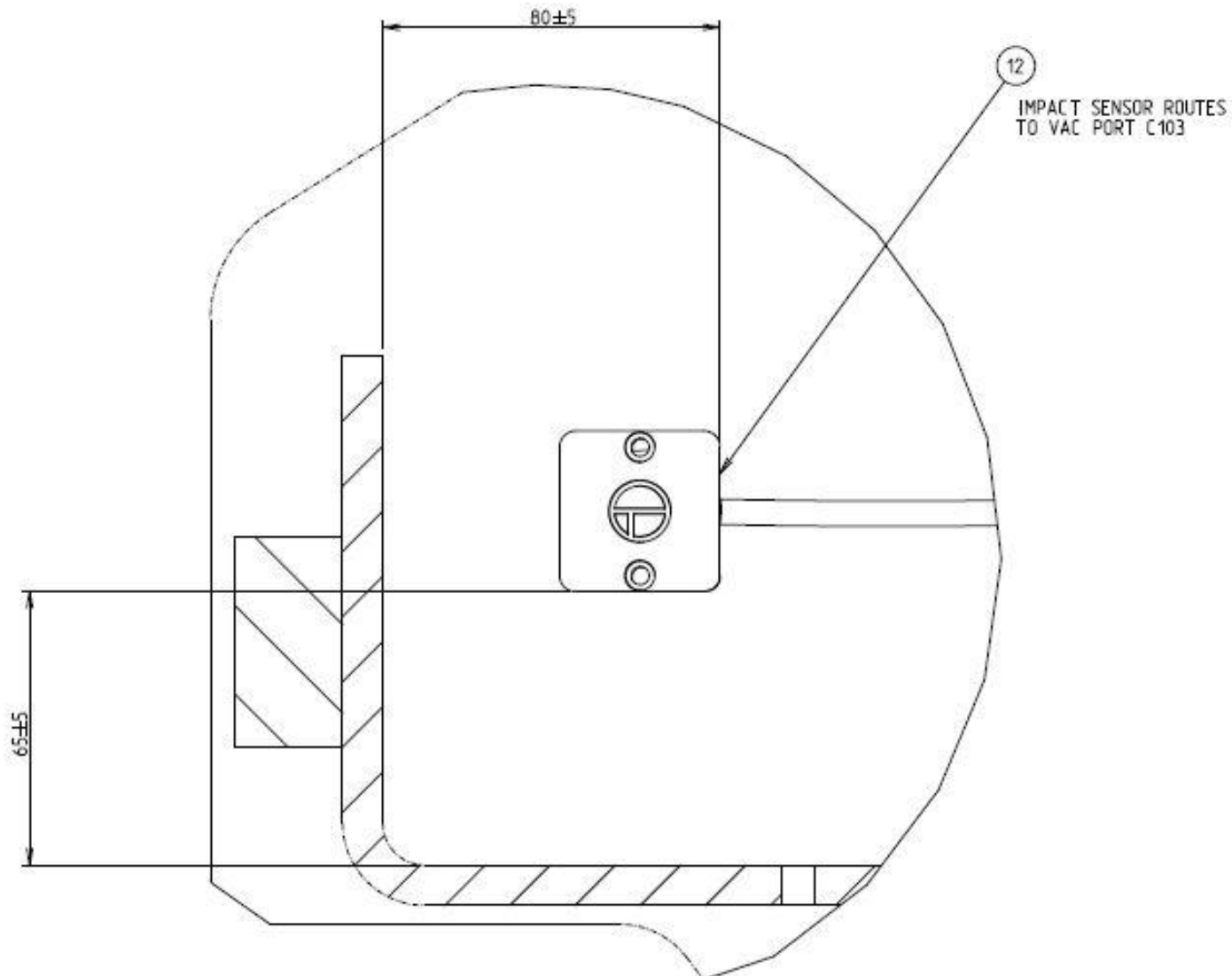
Step 13: Route the rest of the harness along with truck harness underneath step, under the brass panel (refer to Step 2), and into the rear LH side panel, securing with zip ties along the way. Mount the impact sensor to the frame with included 3M tape as shown below and connect impact sensor harness to jumper harness (9040118583).



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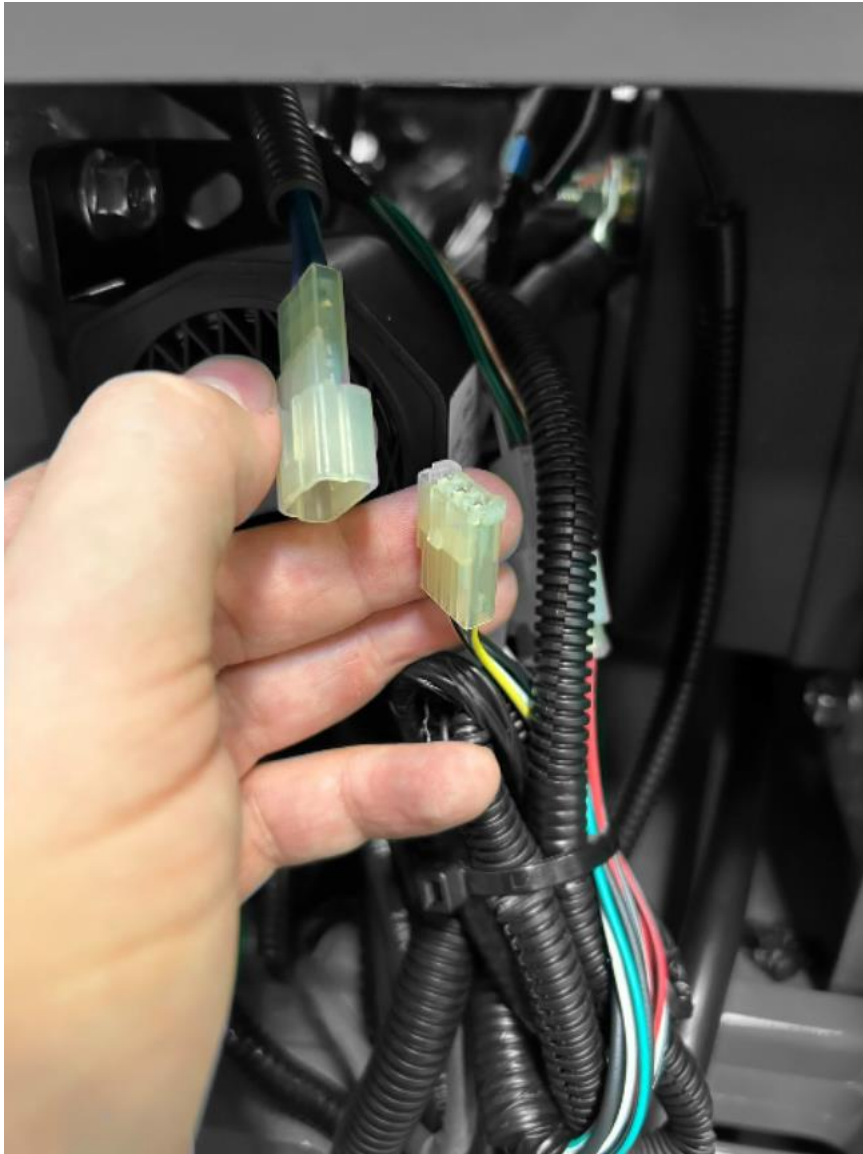
Step 13 cont: Measured placement of impact sensor.



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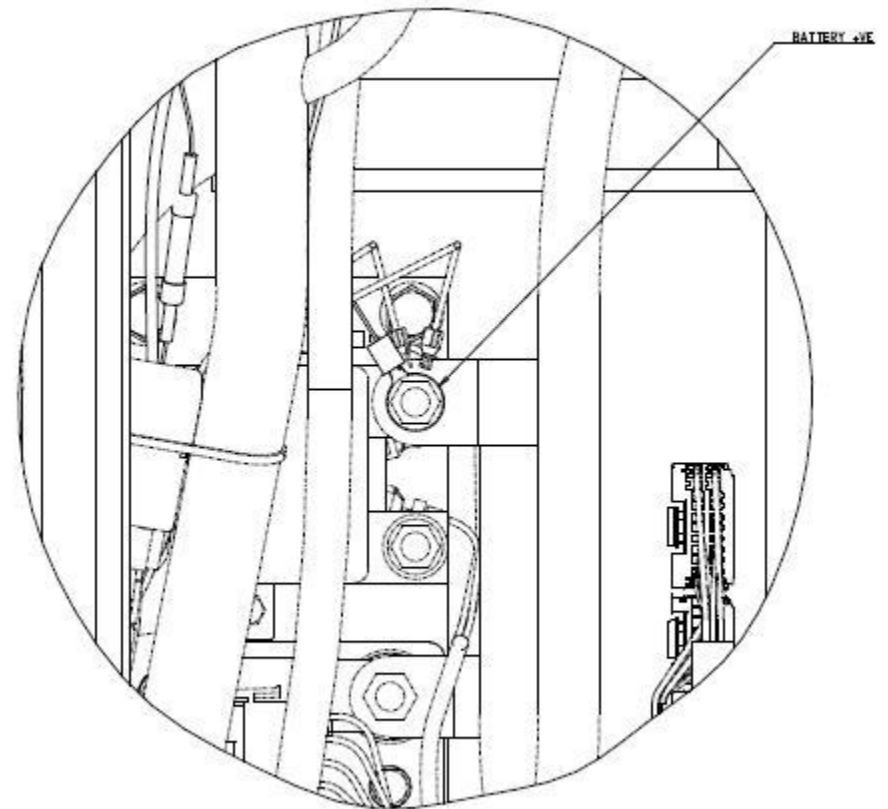
Step 14: Connect telematic body harness in line with seat switch.



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Step 15: Connect positive wire to battery positive of contactor.



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Step 16: Connect negative wire to the negative post of the pump controller.

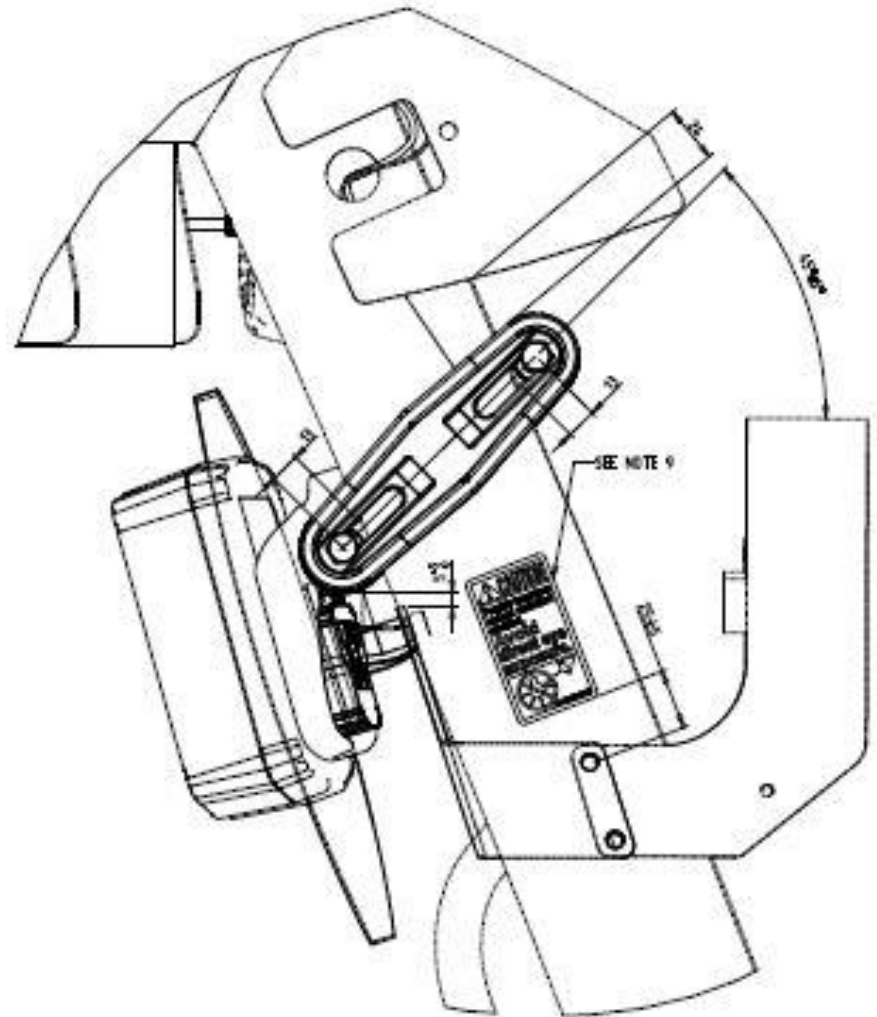


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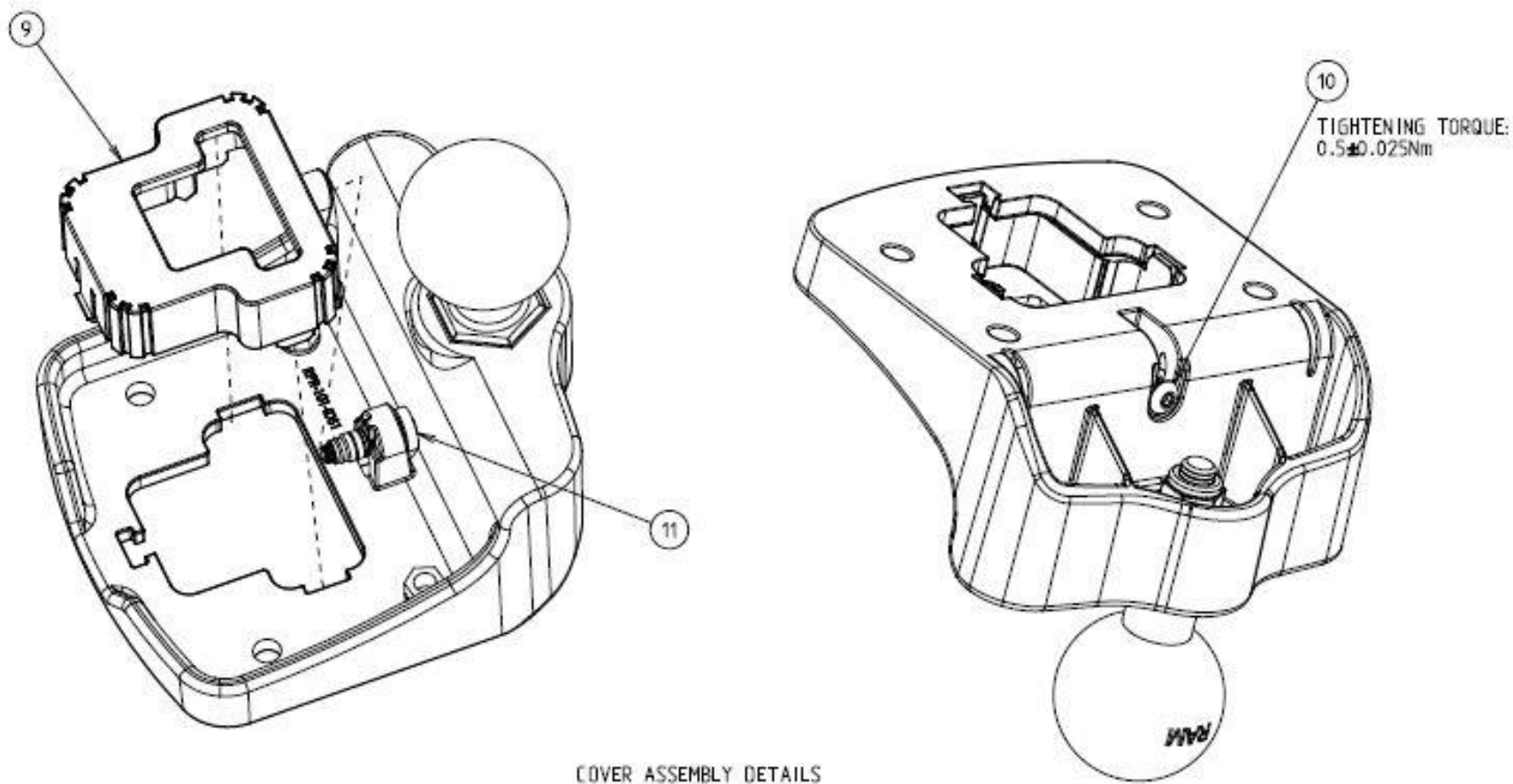
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Step 17: Install the RAM mount to the OHG above the headlamp bracket as shown. If unit is equipped with front blue spotlight, the label (93008-01300) will need to be moved.



Step 18: Install VAC4 retainer cover to VAC4 mount.



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Step 19: Route the jumper harness and OHG harness through the VAC mount.



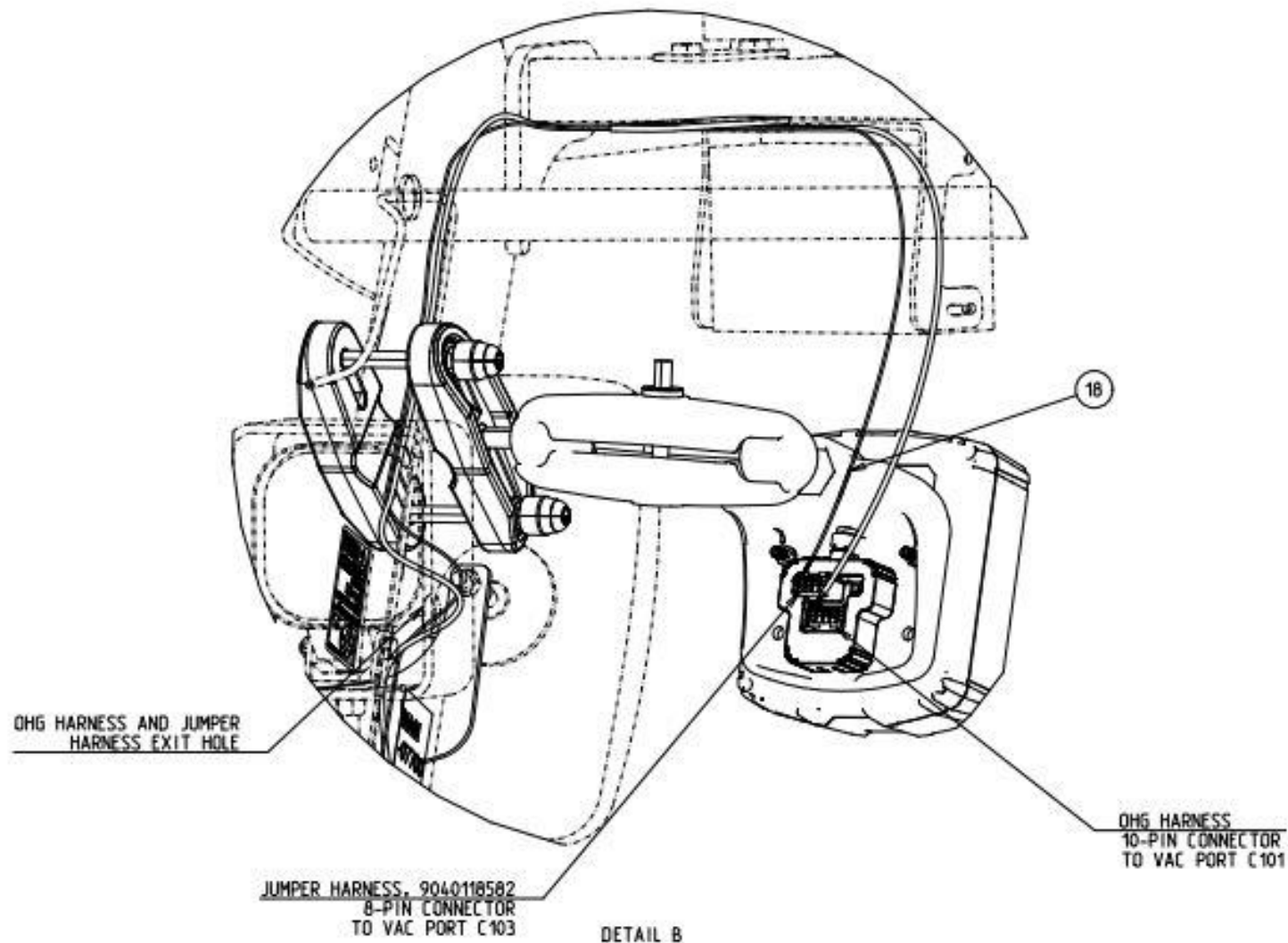
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Step 20: Connect jumper harness and OHG harness to the VAC unit, then install the VAC unit on the mount.



Step 21: Route the harness up to top of OHG and back down to VAC4 unit as shown.



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Step 22: Connect the battery and power on the truck to verify the VAC unit powers on.

Don't mind error messages for now, as the VAC hasn't been setup yet



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Step 23: Replace all panels in reverse order of removal and complete validation process in the following slides.



Begin by unplugging the access control plug on the harness. The truck should now NOT travel until logged in.



1. Press 2 on the keypad to select "Config" and then press the green ENTER button.

It is recommended to have the vehicle's drive wheel(s) elevated prior to starting verification unless there is sufficient space to drive *slowly* in forward and reverse for up to 15 seconds at a time.



2. Use the keypad to enter **7262468** and then press the green ENTER button.



3. Use the keypad to enter **2378** and then press the green ENTER button. (Note: truck able to run once this step is complete).

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4. Press 6 on the keypad to select "**Hardware**" and then press the green ENTER button.



5. Press 1 on the keypad to select "**States**" and then press the green ENTER button.



6. Press 2 on the key pad and select "**Vims**" & then press the green ENTER button.



7. Repeat step 6



Steps 8 – 13 the R & AV numerical numbers must change when the desired function is activated.

8. Select "**Motion**" then press the Green enter button.

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9. Press the throttle in the fwd or rev travel direction. Verify that the **R & AV** numerical values change. Perform this step for both fwd & rev throttle. Confirm **R & AV** values change press Red ESC button.



10. Toggle down to “**LIFT**” and press the GREEN enter button.



11. Press the up button and verify that the **R & AV** numerical numbers change. Confirm the R & AV numbers change & then press the Red ESC button.



12. Toggle down to “**SEAT**” and press the GREEN enter button.



13. Depress the seat or step on the operator presence switch & verify the **R & AV** numerical numbers change. Confirm the **R & AV** number change & press the Red ESC button several times to return to the main start screen. You should see a key or wrench symbol.



14. Press the button with a key icon just below the green LED to log off.



15. Plug the access control plug back together and verify the truck now has travel.

Plug must be plugged back in when verification is complete.

16. Verify work is complete and accurate.

Questions?

If you have any questions regarding this HPK, contact your Service Manager or Technical Communicator prior to submitting a CRM Ticket to Lift Central®.

[Open a CRM ticket](#)

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