


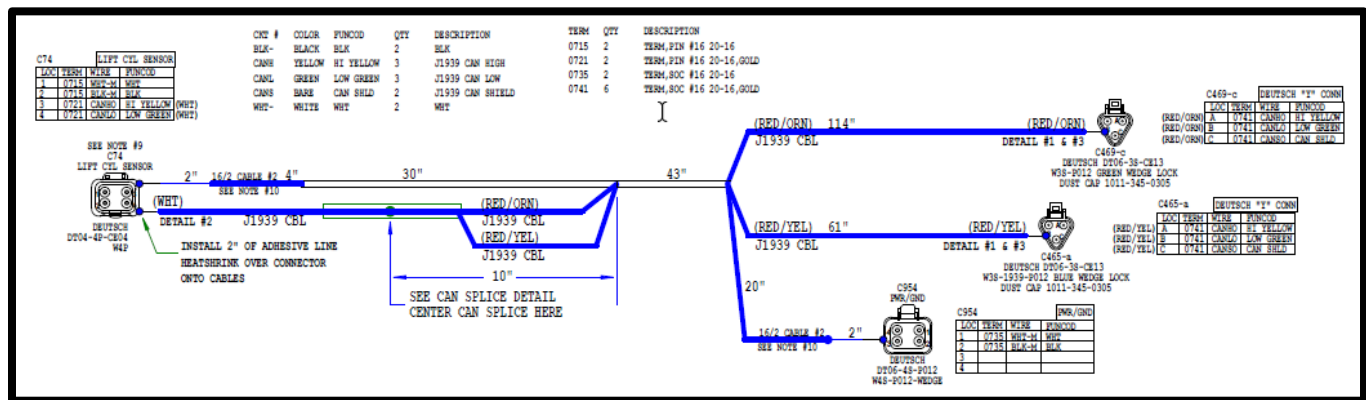
Title:	Service J1939 Data Cable Assembly Replacement			
Number:	74B330	Release Date:	12/13/23	
Revision Number:		Revision Date:		
Chassis Type:	Mid-Mount Aerials			
Component Description:	N/A			
Warranty:	CAMPAIGN 74B330			

Scope:

The purpose of these instructions is to aid in the installation of the replacement harness and to ensure correct placement of the connectors to eliminate the potential of water intrusion.

Procedure:

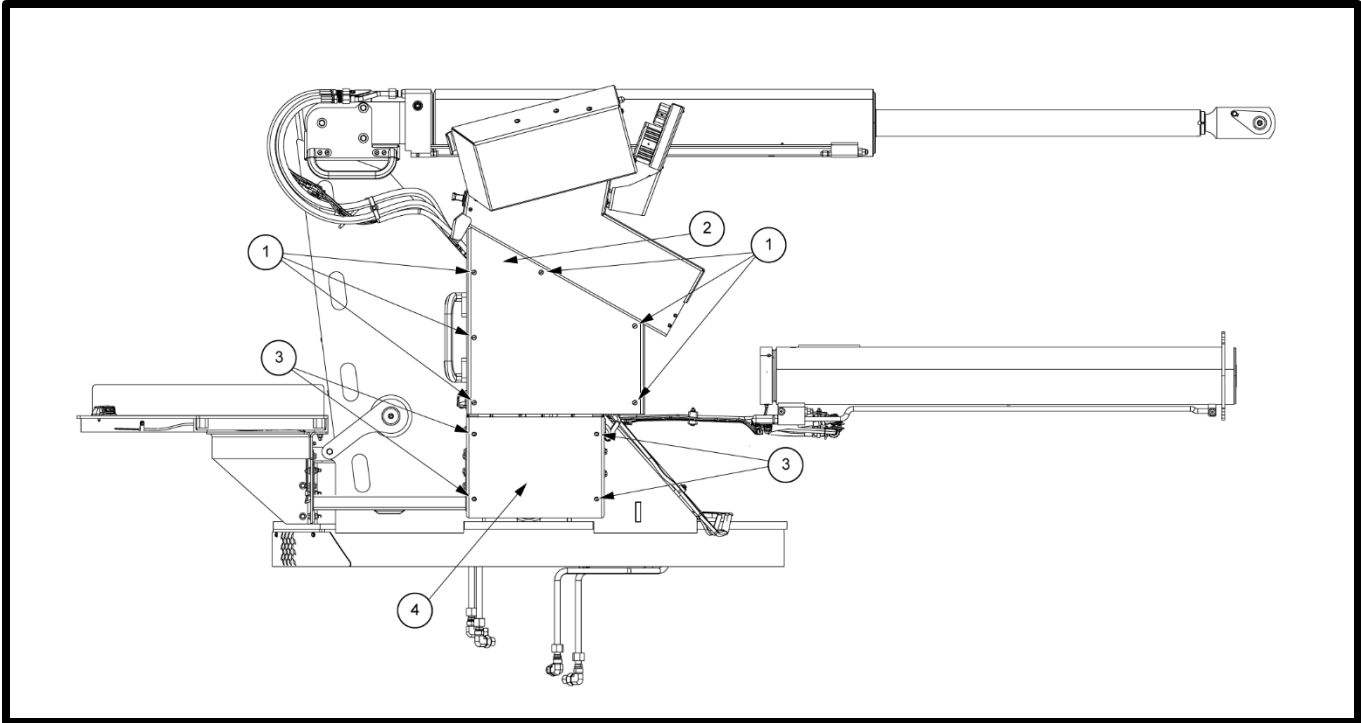
Connector	Color	Description
C74	White	Elevation Cylinder
C469-c	Red/Orange	Extension Cylinder
C495-a	Red/Yellow	Rotary Encoder
C954		Power Cable



NOTE: Performing this procedure will log communication loss fault code(s). This is to be expected. Note time and date of new harness installation to eliminate this intentional fault code from future troubleshooting.

1. Ensure the ladder is resting in the cradle and the lift cylinders are no longer supporting the aerial.
2. Attach "DO NOT START" tag to truck ignition switch.
3. Turn battery switch OFF (if equipped) or disconnect batteries. (See "Battery Connect/Disconnect," Group 0925-P-001.)

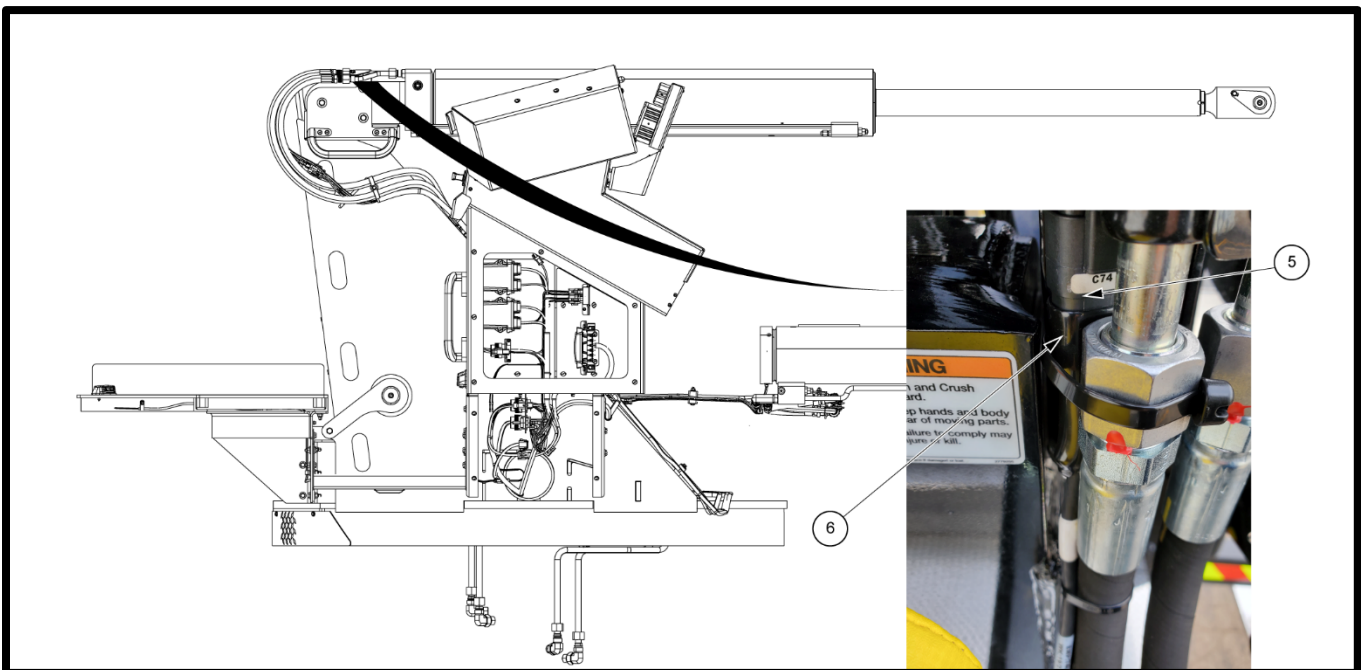
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4. Remove six screws (1) and upper console panel (2) from aerial console.
5. Remove four screws (3) and lower console panel (4) from aerial console.

NOTE:

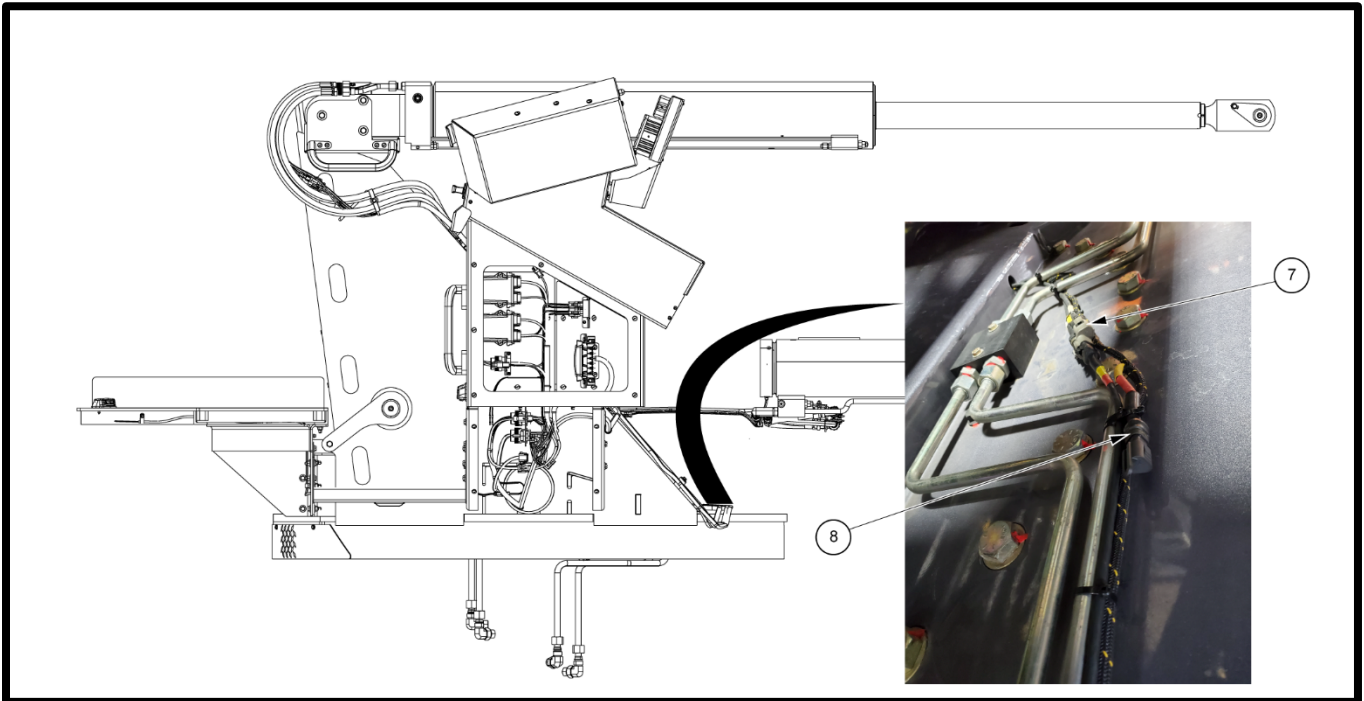
- The location and routing of the existing wire harness may differ for your vehicle.
- Existing wire harness cannot be removed from vehicle because system dependencies. It will be rerouted to the turntable where connections will be made.
- Cut zip ties as needed and note location. These will need to be replaced before returning the vehicle into service.



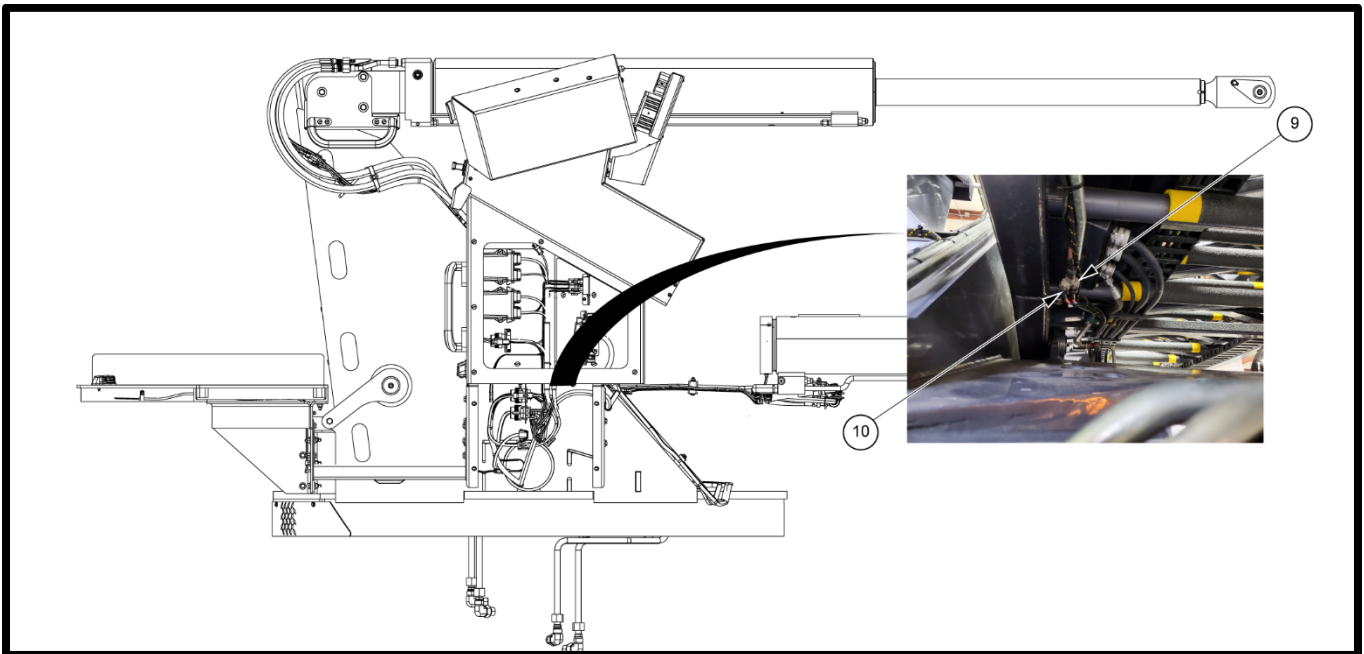
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6. Disconnect connector C74 (6) from lift cylinder sensor (5).

NOTE: Ensure there is no binding or stretching when device is operated in full range.

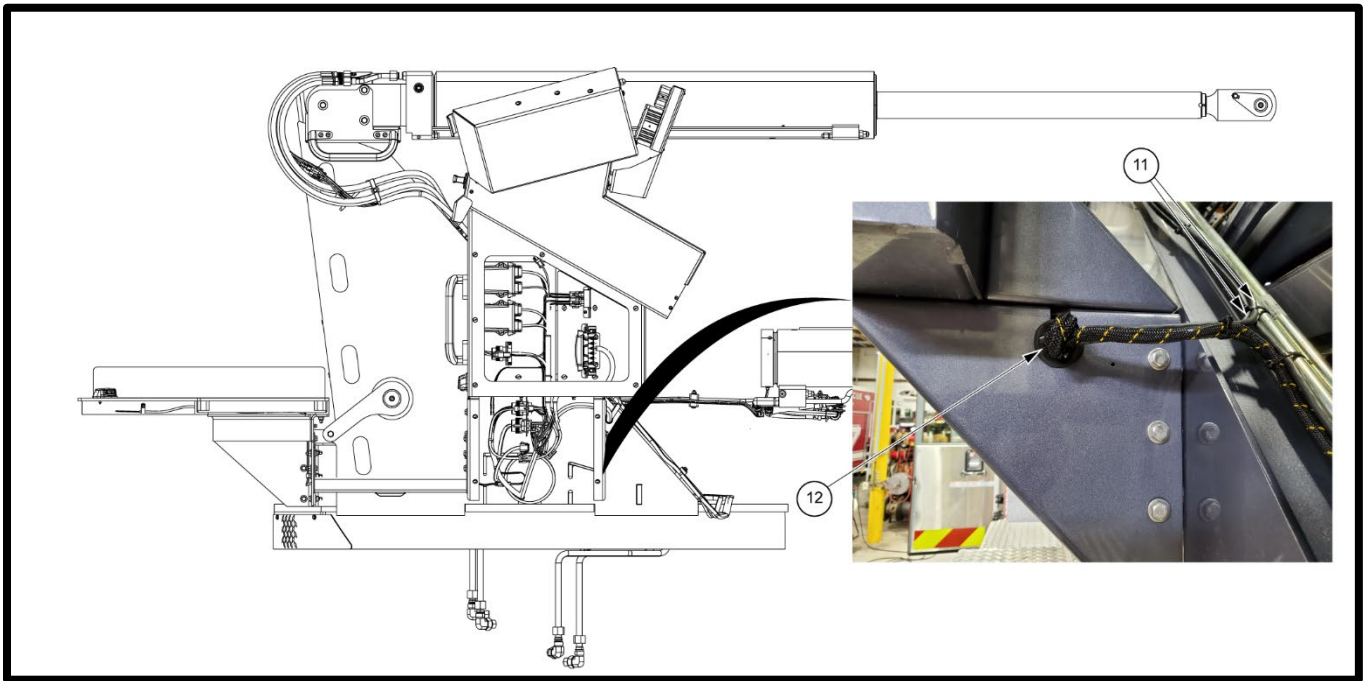


7. Disconnect connector C465 (8) from connector (7).

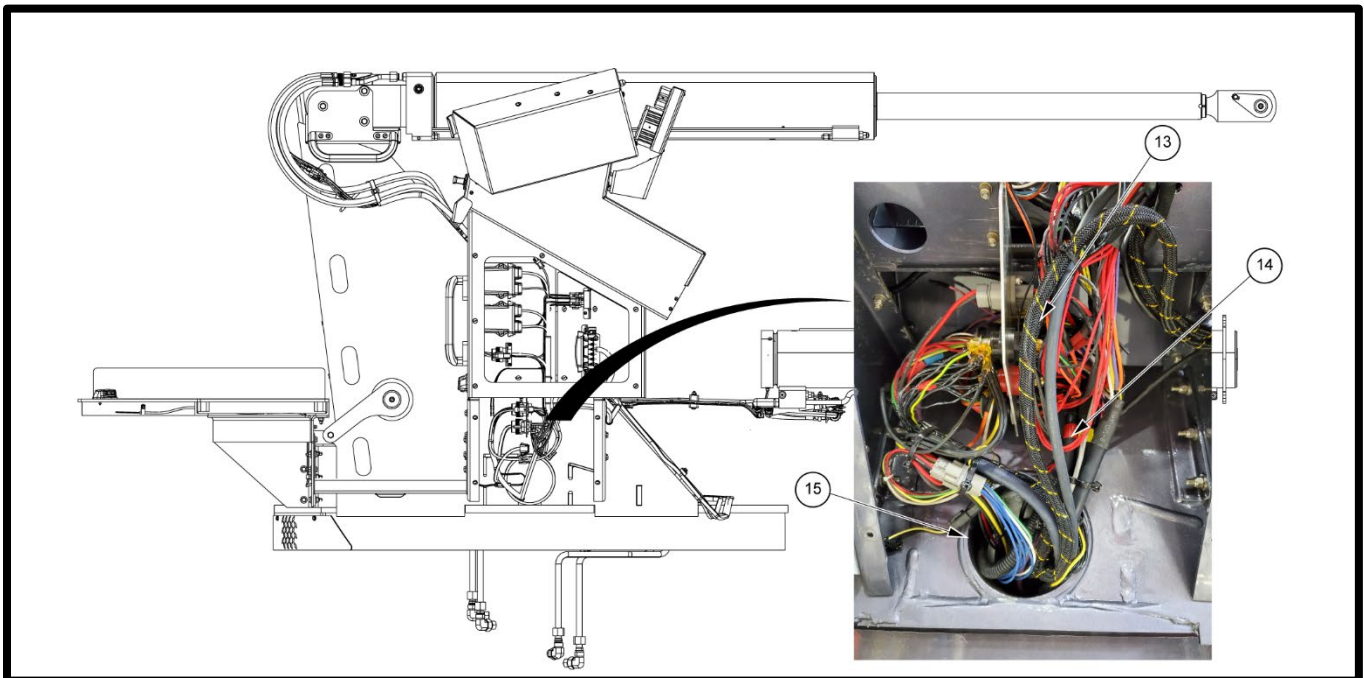


8. Disconnect connector C465 (9) from connector (10).
9. Route new wire harness parallel to the existing wire harness.

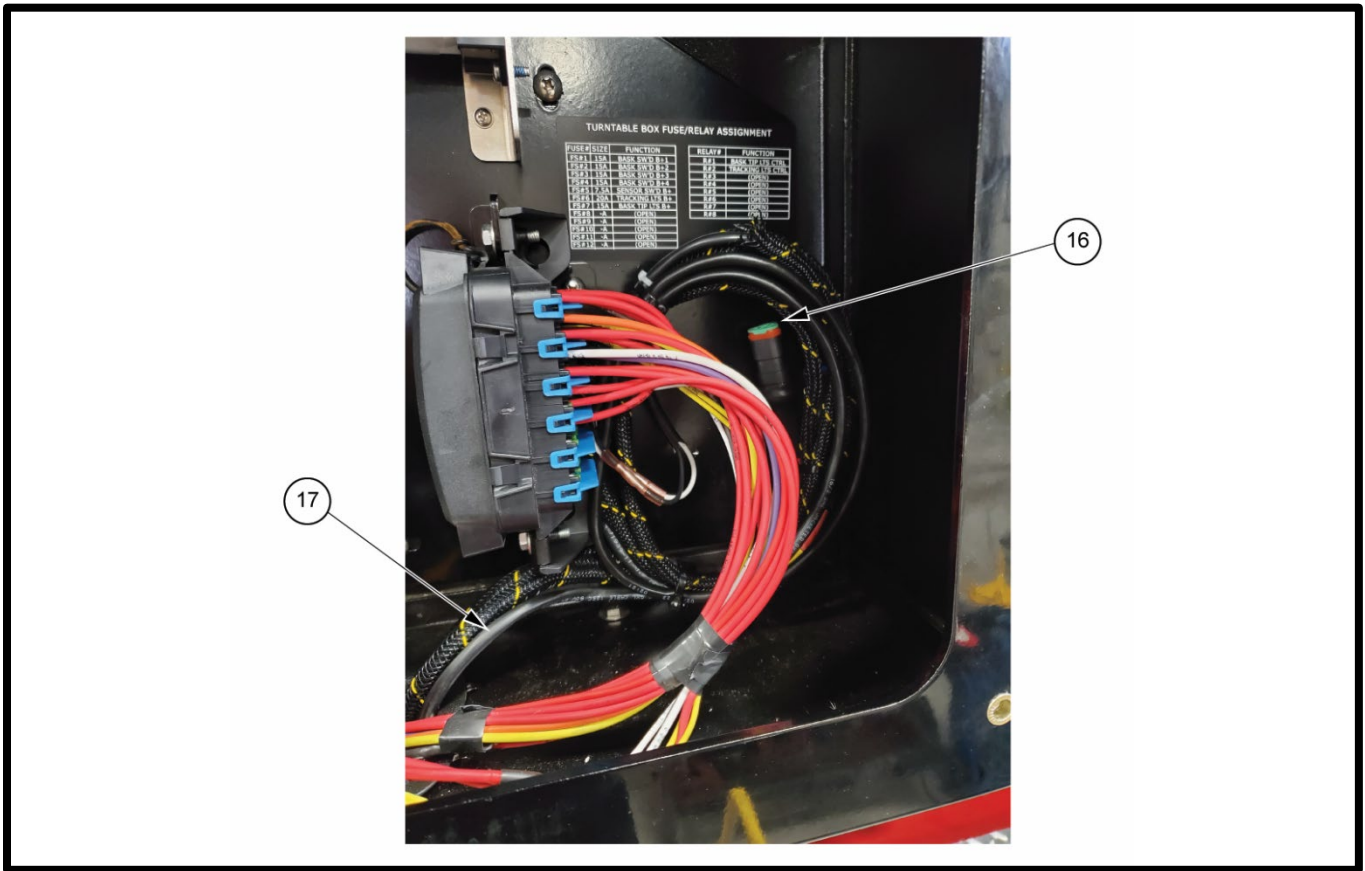
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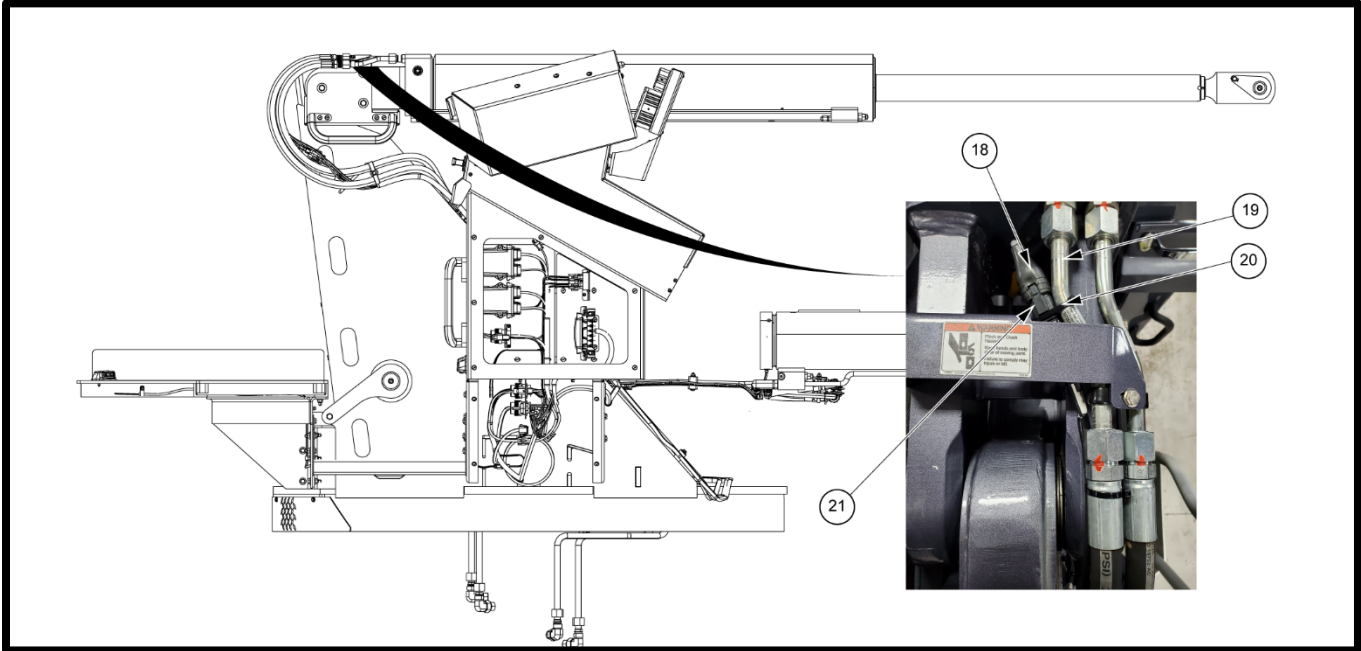
10. Route the length of existing wire harness ending in connector C74 (11) and new wire harness length ending in connector C469-c (11) through grommet (12).



11. Route length of new wire harness ending in connector C954 (13) through passthrough (15).
12. Route length of existing wire harness ending in C74 (14) upwards into next compartment.
13. Route C469 c through passage (15).



- 14. Connect connector C954 (17) to coiled connector (16) of existing wire harness.
- 15. Connect connector C954 to coiled end of existing wire harness.
- 16. Connect connector C469-c (11) to existing wire harness power connector.
- 17. Connect connector C465-a (9) to connector (10).



- 18. Connect connector C74 (21) to lift cylinder sensor connector (18).



Failure to properly secure connector C74 will cause damage to equipment. Connector C74 must be secure far enough forward so as to not become crushed when aerial device is at maximum elevation and extension.

19. Secure connector C74 (21) to hydraulic line (19) using zip tie (20).



Failure to cap unused connectors from the existing wire harness can cause damage to equipment. These are open CAN connections and lead to fault codes if left exposed.

20. Using connector caps from the new wire harness, cap the now unused connectors from the existing wire harness.
21. Verify proper aerial device operation. Refer to aerial operator's manual for proper procedure.

NOTE: Ensure there is no binding or stretching when device is operated in full range.

If any additional support is needed, please open a technical support incident on Pierceparts.com.