



Title: Wire-Braided Cable Cab Lift Hydraulic Hose Routing

Date: May 18, 2018

Vehicles: *KME Custom Chassis*

Problem: Wire-Braided Hydraulic, Air, Cooler or Fuel Hoses may be too close to the Starter Power Stud.

Corrective Action: Inspect all Wire-Braided Hoses Installed in the Starter Area for Proper Clearance, Hose Integrity, Signs of Wear or Fraying on the Outside of any Hoses. Replace all Damaged Hoses and Install Anti-Chafing Protection for those Hoses not within the 1-inch Clearance of the Starter Power Stud (+).

Work Instructions: See Attachment.

- Tools Required:**
- Common Hand Tools
 - Ruler or Measuring Tape
 - Nylon Wire Ties
 - Person Protective Equipment

Parts List: As needed, order the following items necessary to complete job.

QUANTITY	ITEM	KME PART NUMBER
1	10-Inch Hose Protector	#080738V003
1	12-Inch Hose Protector	#080738V004
8	Nylon Wire Ties	Generic
As needed,	¼-Inch Hydraulic Hose	#010820V004

KME CONTACT: Matt Evans, Parts Clerk, Vehicle Service

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Plant #8
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Nesquehoning, PA 18240

ATTENTION: Mr. Matt Evans

WORK INSTRUCTIONS

1. If the cab is not raised, raise the cab.

Before tilting the Cab:

- Ensure the vehicle is parked on a level surface.
- The park brake is set.
- The wheels are chocked.
- All loose equipment inside the cab is removed or secure.
- Bumper equipment will not obstruct movement of cab.
- All objects are free and clear from moving cab.
- All personnel are free and clear from moving cab.



Figure 1 Cab Jack Controls



Figure 2 Cab Lock Control

The Cab Jack Remote Controls are on a tether that is inserted into an outlet located inside the passenger cab stepwell or on the front bumper. The Lock is located on the Discharge Panel on the passenger side. There are instructional stickers on the Discharge Panel or on the inside of the Control Box. When the cab is fully up, use the safety bar lock.

To raise the cab, hold the momentary “ON” Toggle Switch “UP” and hold the black Push-button Switch “IN” until the cab is fully raised. Click the toggle switch to the “DOWN” position.

Turn the safety bar control knob counter clockwise, pull “OUT”, and turn clockwise to lock.

2. Ensure that you are wearing your Person Protective Equipment before working around the battery box and vehicle.
3. Remove the Starter Power Wire inside the Driver Side Battery Box. See Figure 3 on next page.



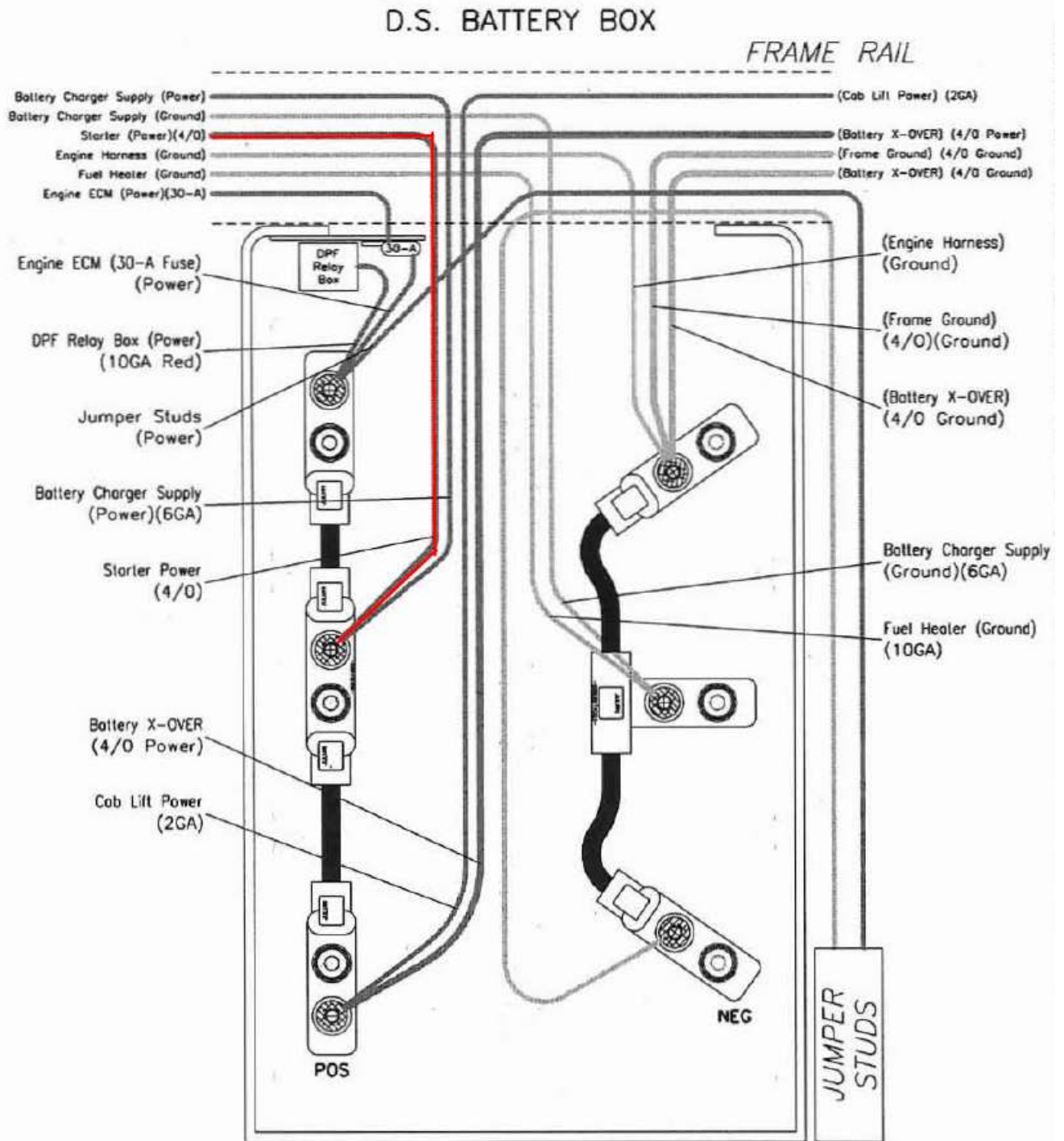


Figure 3 Driver Side Battery Box Schematic

WORK INSTRUCTIONS

CONTINUED

4. Locate starter on the Driver Side of the vehicle.
5. Inspect the area around the starter. Ensure all lines and/or harnesses routed near the starter stud connections and cable studs have a minimum of 1-inch clearance.

A.) If there is a minimum clearance of 1-inch near the starter stud connections and cable studs, no repair or anti-chafing guards (Hose Protectors) are required.

B.) If there is not a minimum clearance of 1-inch near the starter stud connections and cable studs, anti-chafing guards (Hose Protectors) are required.

NOTE: Photo on the right illustrates how close both studs are to the top of the blue-hydraulic hose. Use the ruler to the left to see how close the wires are to the starter studs. The hose protector is already installed using nylon wire ties to secure the protector.

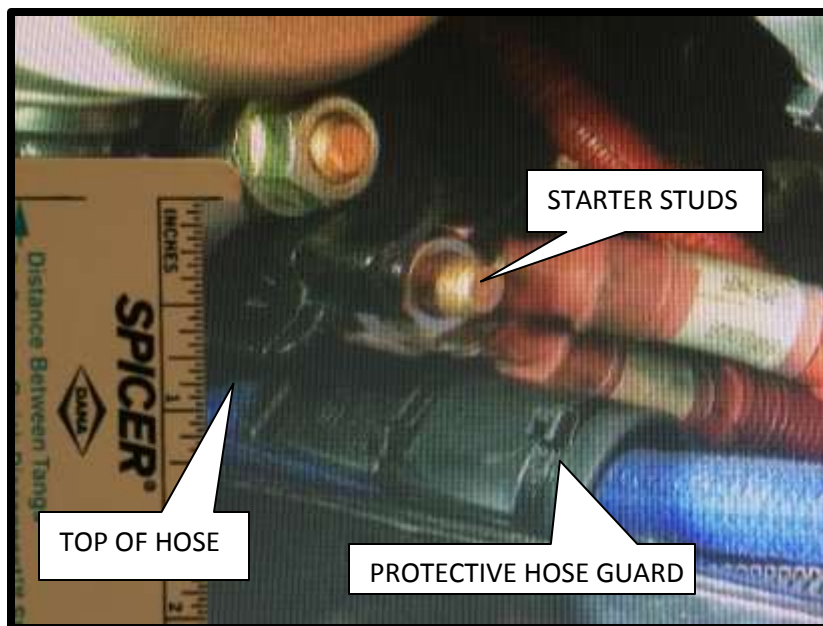


Figure 4 Hose Protector Installed

6. Inspect the condition of the lines and/or harnesses routed near the starter stud connections and cable studs. Ensure that there is no wear or fraying on the outside of the hose, lines and harnesses.
 - A.) If there is wear or fraying on the outside of the hose, lines and/or harnesses, replace the worn part.
 - B.) If there is no wear or fraying on the outside of the hose, lines and/or harnesses, no repair is required.
7. Report findings from Steps 5 and 6 to the KME Contact on the front page of this bulletin.
8. Replace any damaged hoses, lines and harnesses. See Parts List on first page of bulletin. If no repairs needed, go to step 9.
9. Vehicles with less than 1-Inch clearance must install anti-chafing protection. Determine the size of the protector and order. See Parts List and KME Contact on first page of bulletin. When the protectors arrive, continue to step 10.

WORK INSTRUCTIONS

CONTINUED

10. Install anti-chafing protective cover(s).
11. Use nylon wire ties to bundle the cables, hoses and lines away from the starter stud connections and cable studs.
12. Remove all tools and clean area.
13. Reconnect the starter power wire removed inside the driver side battery box. (Refer to step 3 and Figure 3.)
14. When job complete, lower cab.

NOTE: FOLLOW THE PREVIOUS WARNINGS AND CHECK THAT ALL TOOLS, OTHER OBJECTS, AND PERSONNEL ARE FREE AND CLEAR FROM THE PATH OF THE CAB.

★ Ensure all safety rules are followed before lowering. ★

1. To lower the cab, turn the Safety Bar Control Knob counterclockwise, push-in, and turn clockwise to lock.
2. Push the toggle switch “DOWN”. The cab will begin to lower.
3. Leave the switch in the “DOWN” position.