

TITLE: DOME LAMP LED		
DOCUMENT #: WI-DMLMP	LABOR HOURS: 0.20	PRINT DATE: 7/18/23
REVISION: 1	PREPARED BY: STEVEN TORREY	DATE PREPARED: 9/28/20
EFFECTIVE DATE:	REVIEWED BY: M. McClelland	DATE REVIEWED: 12/16/20
FUNCTIONAL DEPARTMENT: ENGINEERING	APPROVED BY: M. McClelland	DATE APPROVED: 12/16/20

STANDARD WARNINGS:

- READ WORK INSTRUCTIONS IN ENTIRETY BEFORE STARTING
- CHECK THAT YOU ARE PROPERLY CLEAR OF GAS TANK AND WIRES BEFORE DRILLING
- CONTACT ENGINEERING IF QUESTIONS ARISE OR DOCUMENT NEEDS TO BE UPDATED

PART IDENTIFICATION / BOM:

- 02A952 WAYTEK #WD16-2 PVC INSULATED WIRES QTY 10 FT.
- 02D715 DOME LIGHT-LED 3X6 M84407-B QTY 1
- RM516713 SMS-PH PHIL #10X.75 TEK/3 GR. 2 QTY 2
- RM709126 CABLE TIE 7.6" 50LB- BLACK QTY 6
- RM709187 CABLE TIE 8"" 50# BLK w/EYELET QTY 2
- RM709128 TERM-BUTT CONN SEALED 16-14GA QTY 2

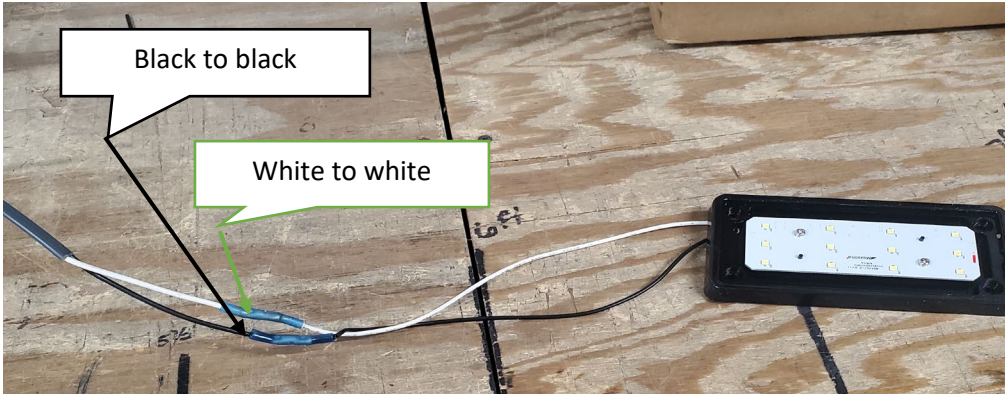
TOOLS REQUIRED:

- Phillips #2 bit
- Impact or Screw Gun
- Wire Strippers
- Wire Crimpers
- Soldering Iron – Electric or Butane
- Solder – Rosin Core
- Electrical Tape - Black

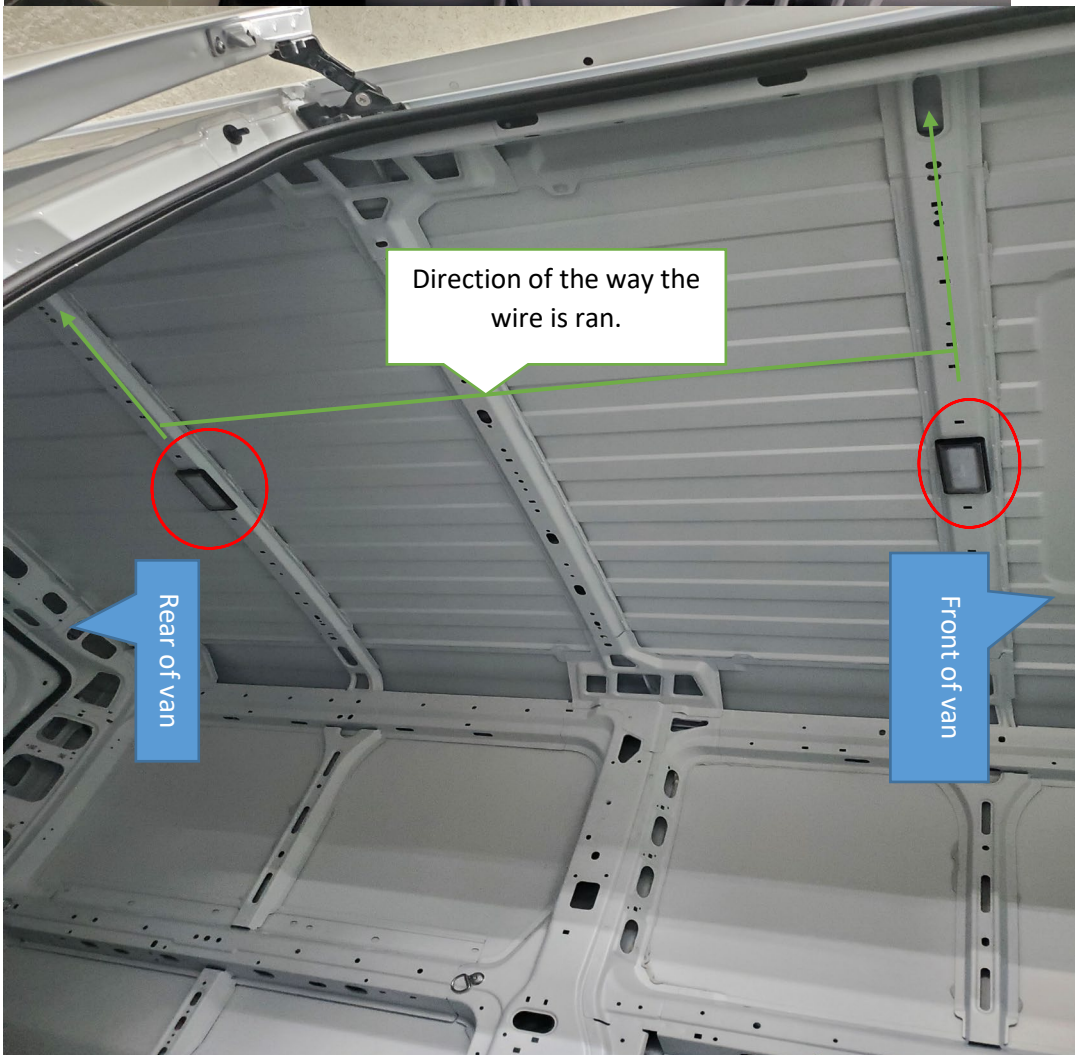
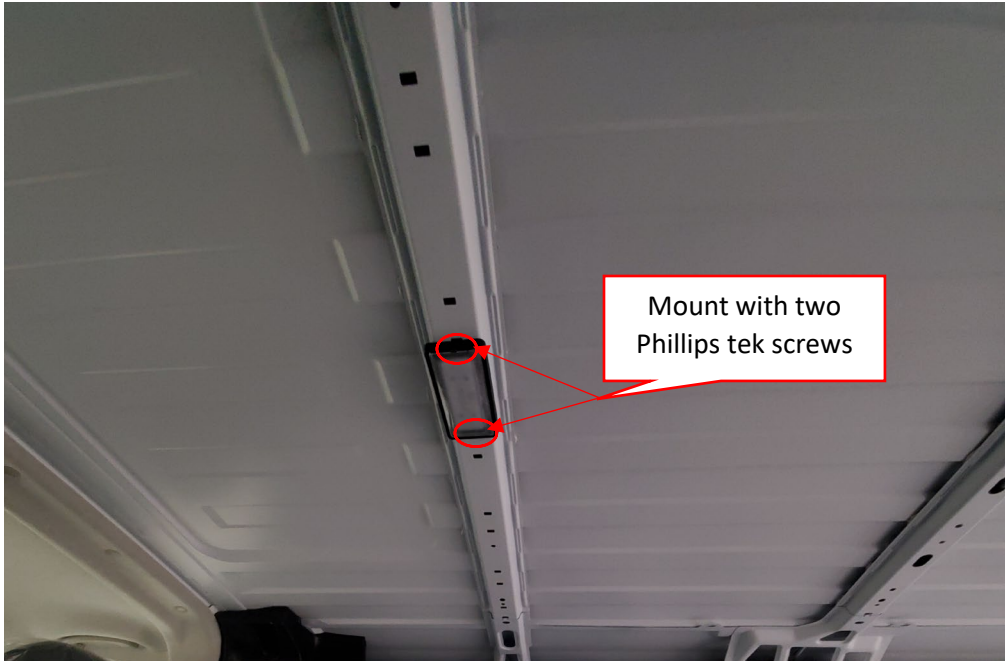
PROCESS:

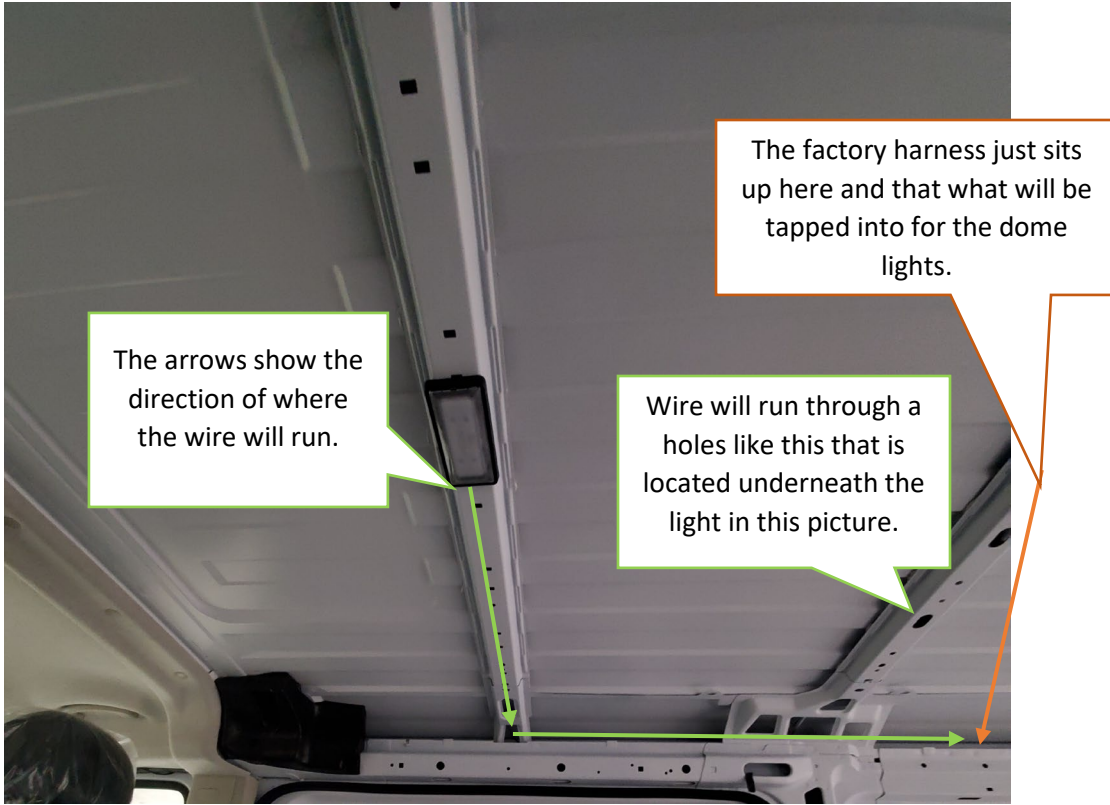
- Check the Vehicle Production Order (VPO) for VIN#, parts, and hardware. If something is not correct or missing let a lead or supervisor know as soon as possible. (Example: If the VIN# of the van does not match the VIN# on the VPO.) **NOTE: DO NOT DRILL OR INSTALL ANY ITEMS IN THE VAN UNTIL THE CORRECT PAPER WORK IS WITH THE VEHICLE.**
- Check the parts that are to be installed to make sure they are listed on the VPO.
- Once all items have been checked, proceed and prep for installation. Locate the dome light, the above listed items and the necessary tools to complete the install.

- Take the dome light and the wire that will be used and strip back the insulation on the wire. Once the wire has been stripped back you can now butt connect them to the dome light.

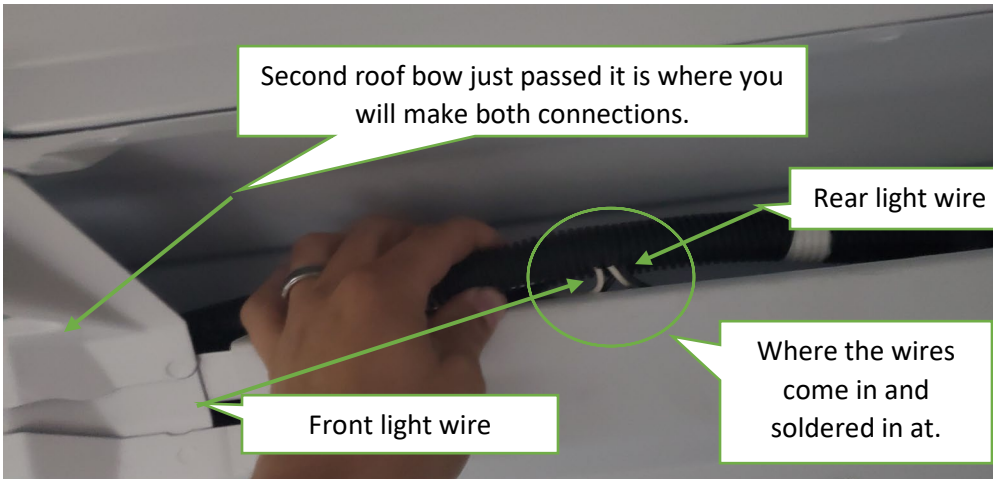


- Once butt connected use a torch and heat seal the connectors.
- After they have been sealed and connected run them in the roof bows where the lights will be mounted.

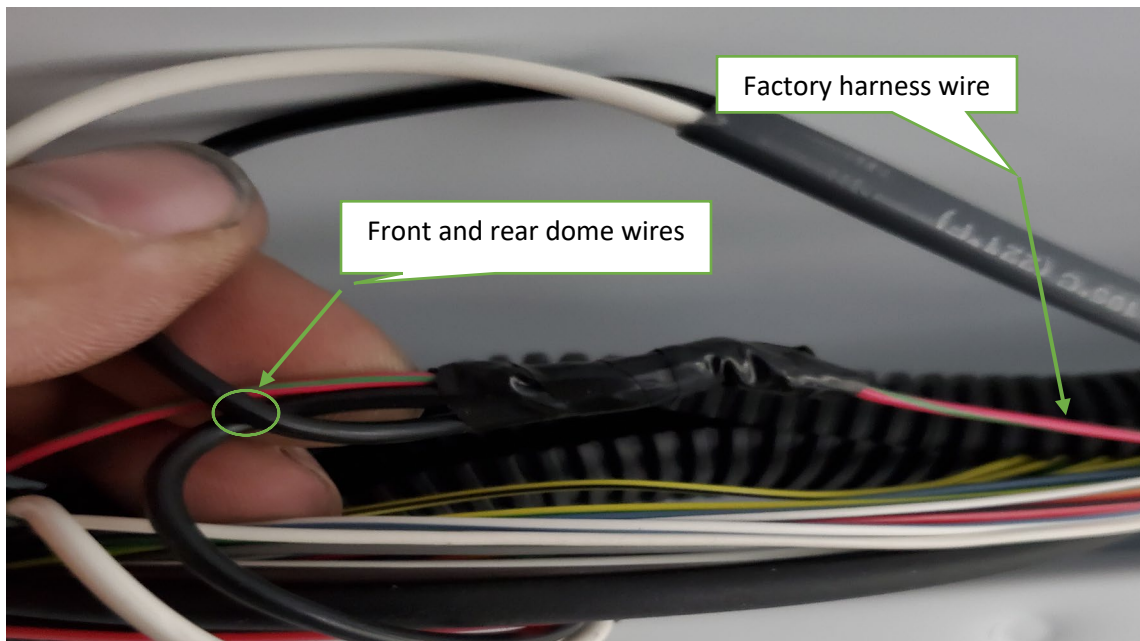
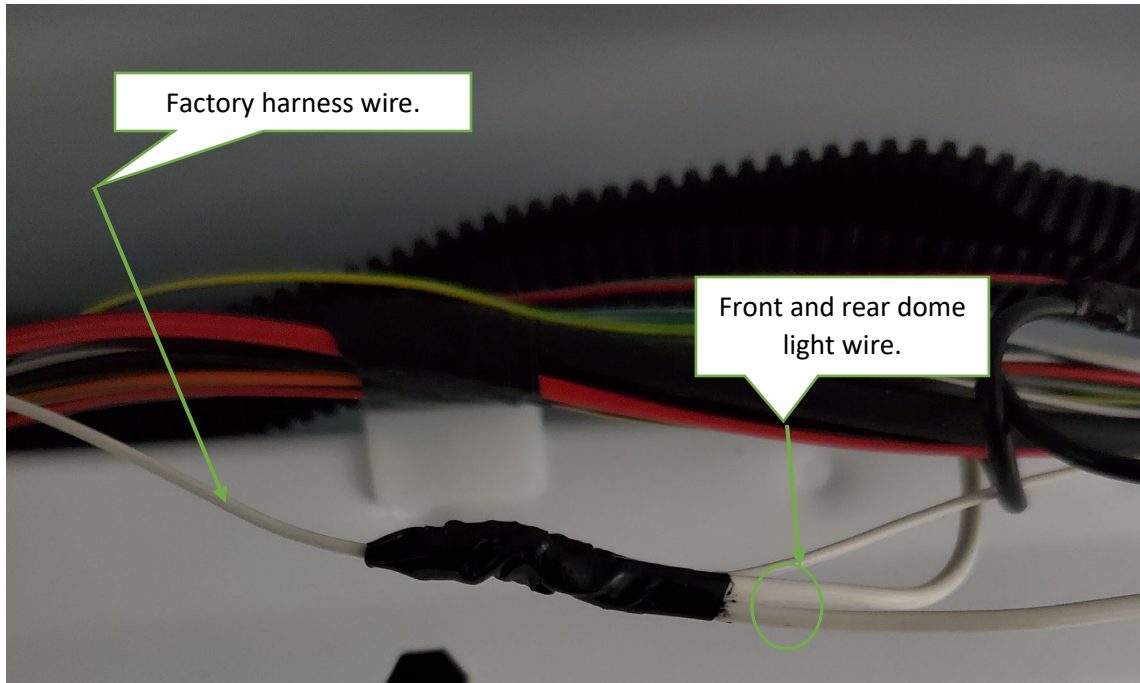




- The main harness of the van runs top side of the passenger side of the van. This is where the wires will run out to and be soldered into the van.



- Carefully locate the wires that you will be soldering into. Red with a green trace and which will connect to the black wire you ran. Then locate the white wire in the harness and connect it to the white wire you ran.



- Be careful when stripping the wires in the van harness and only do one wire at a time. Be sure not to touch any metal while stripping the wire will cause fuse to blow or vehicle issues. Also be sure not to cut the wire in half while stripping the insulation back. It will void vehicle warranty.
- Once the insulation stripped wrap the copper wire around the factory harness smoothly so the solder will melt even and neatly so it's easy to tape up and won't poke you or poke through the tape and cause a short in the system.
- Once soldered and taped tuck wires back in loom and test to make sure the dome lights work when door is opened. Dome light installation is complete.