Section 2

INSTALL IN-CAB ELECTRICAL (MONITOR, JOYSTICK, WIRING, MOUNTS) -- CONTINUED

CONTINUES WITH SECTION 3

c. Connecting PWM Signal to Chassis ECM:

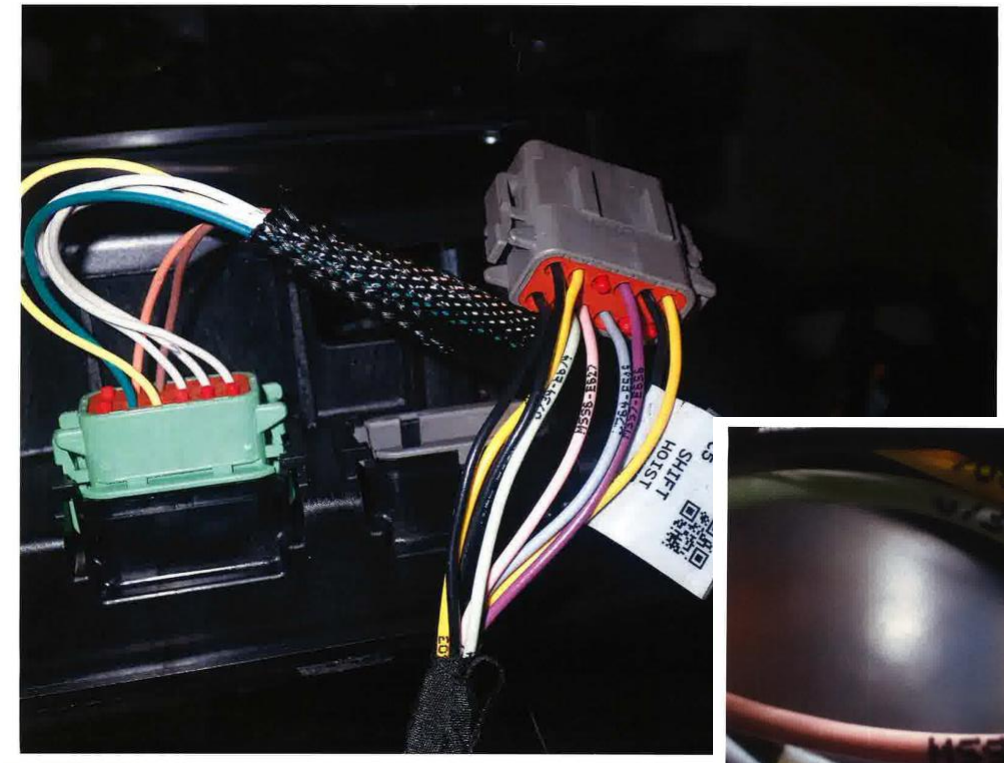
i. Remove four tech screws that secure lever to metal frame, located under lever mount.

ii. Lay shifter to one side

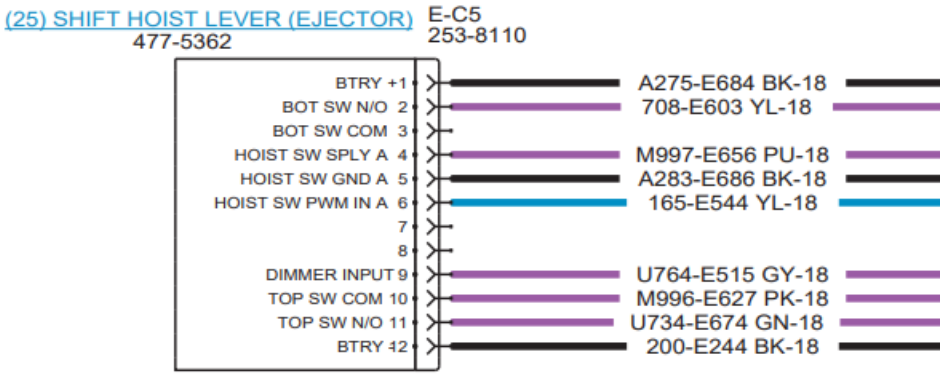
iii. Locate hoist lever connector on shifter and disconnect from switch.

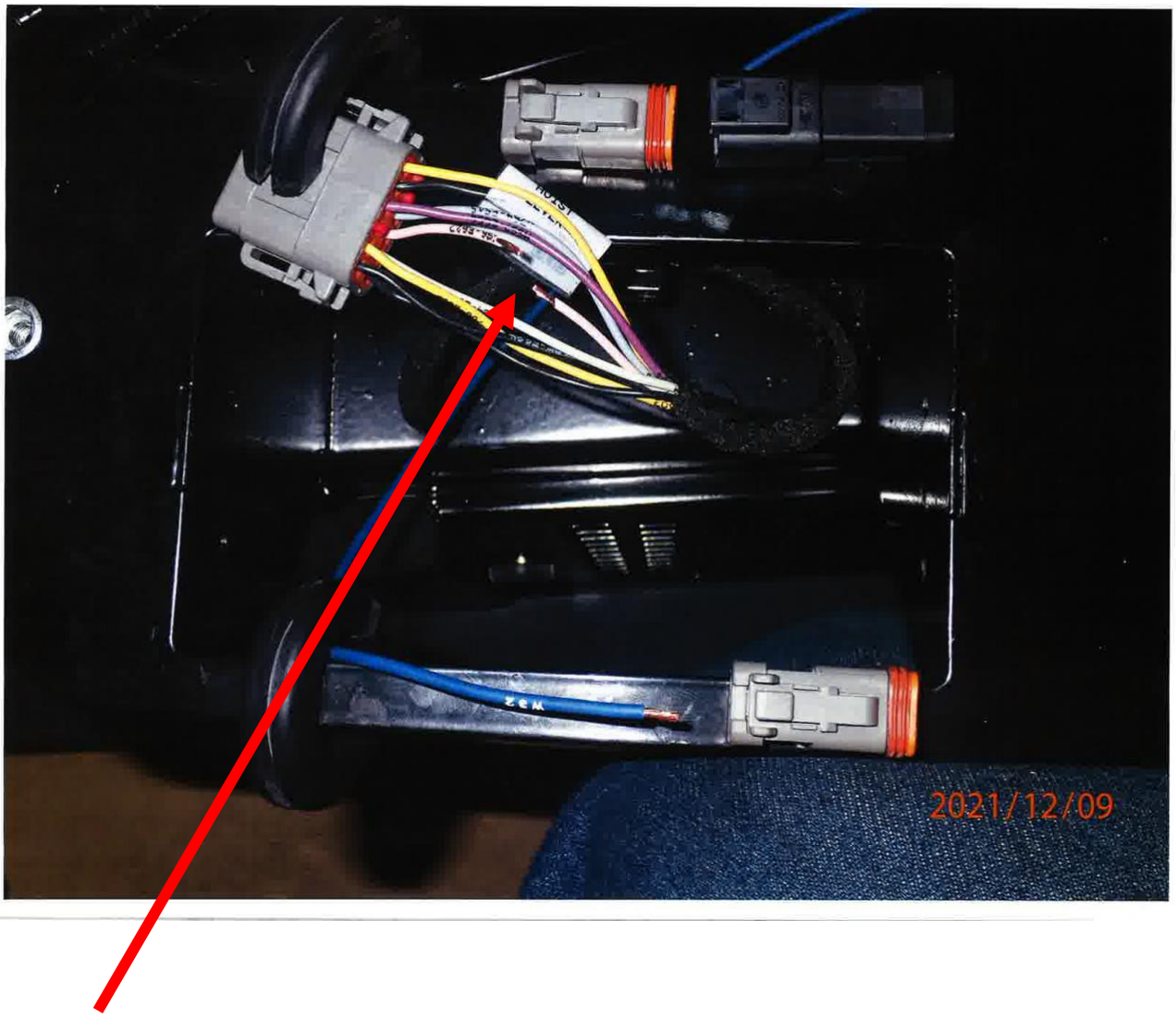
iv. Remove connector from shift hoist lever sensor.

v. Identify pink wire: M996-E627 on Cat 725, prefix 3L9. Refer to SIS diagram for correct wire number. Use top SW com circuit Pin 10 in 12-pin Deutsch connector on shift hoist.

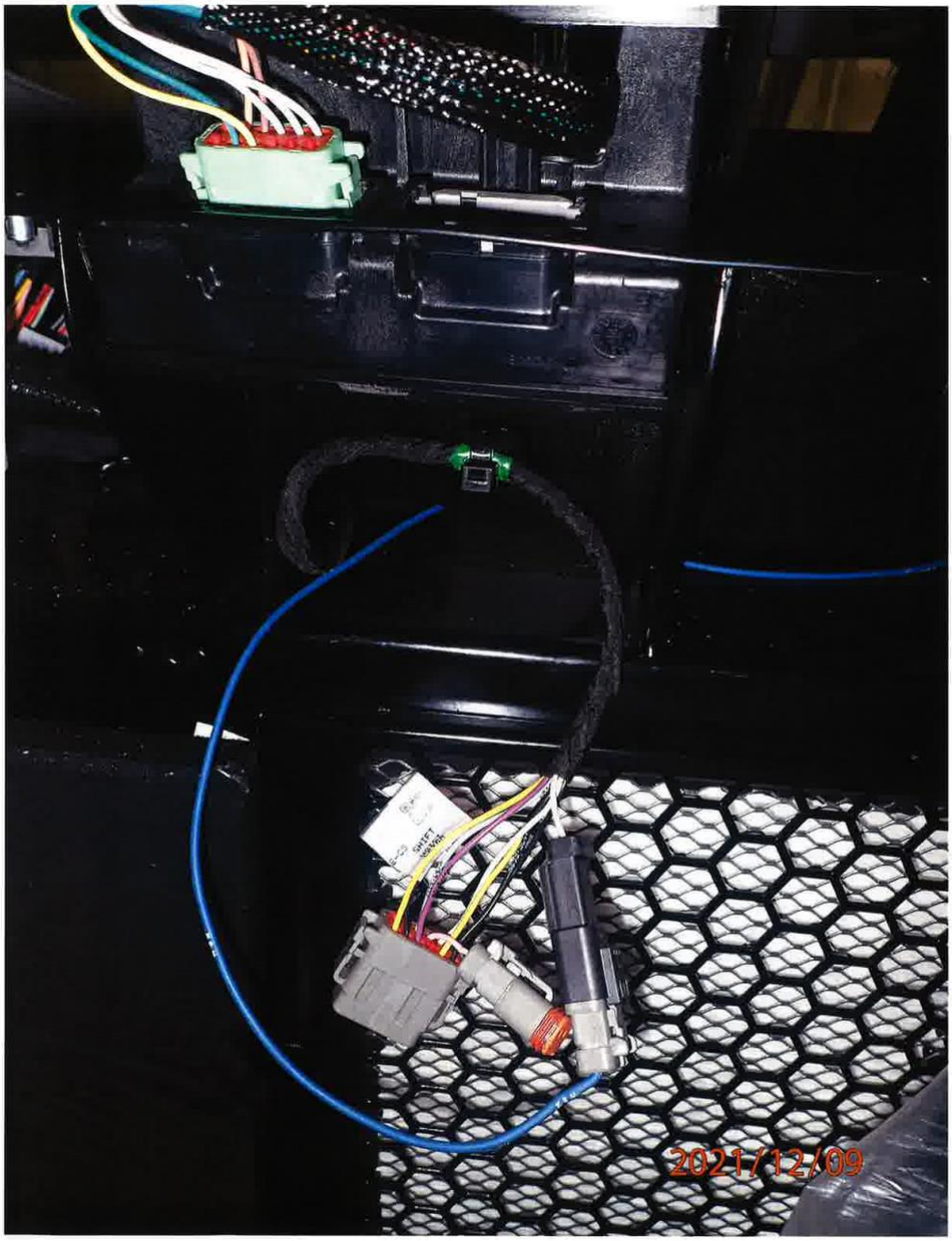


Sample wiring diagram from Cat 725:





vi. Cut pink wire two inches from connector.



vii. Install two male connectors, one on the plug side of the 12-pin connector, and one of the blue wire in the new harness. Install one female connector on OEM wire harness wire cut. (Plug on 12-pin wire connector is NOT USED, but is used to reconnect PWM signal if problems occur with new harness install.)

d. Cannon Monitor Harness Install

i. Punch 1 inch hole in right bulkhead wall near main harness feed for cannon monitor.

ii. Install/route 6 pin harness from outside of cab to inside.

iii. Punch 1 inch hole in right center pocket.

iv. Pull harness up through center pocket.

v. Install rubber grommet in panel.

Harness should clear above pocket by the length of the connector.

vi. Attach joy stick controller to cannon harness.

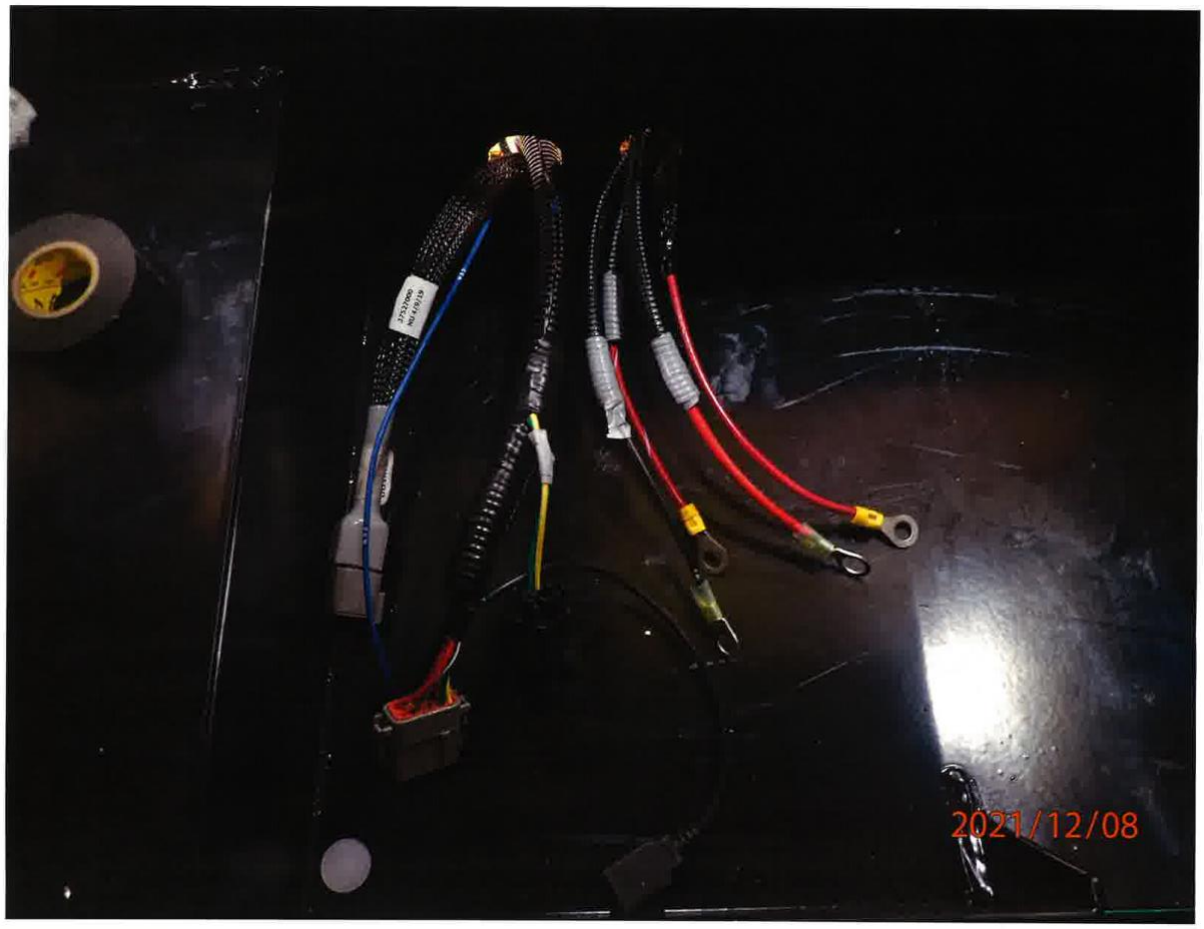
vii. Mount joystick bracket mount to cupholder base.

viii. Mount joystick to bracket mount.

It is necessary to replace the four mount screws for handle to box. Longer screws are provided for this.

Mount bracket is in two pieces. Four ¼ inch bolts and nuts are provided.

e. Power and Ground Connections

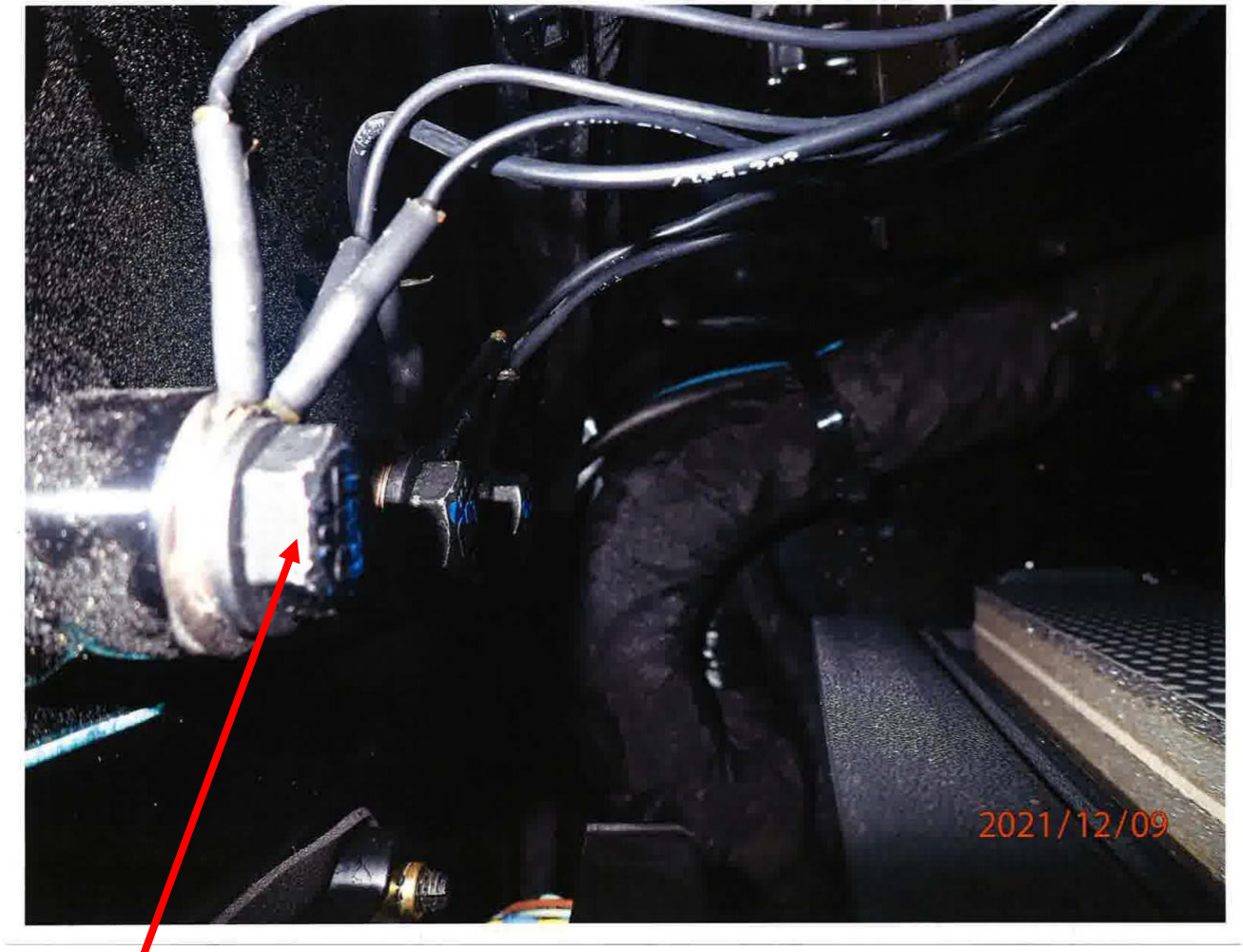


i. Harness

ii. Harness routing

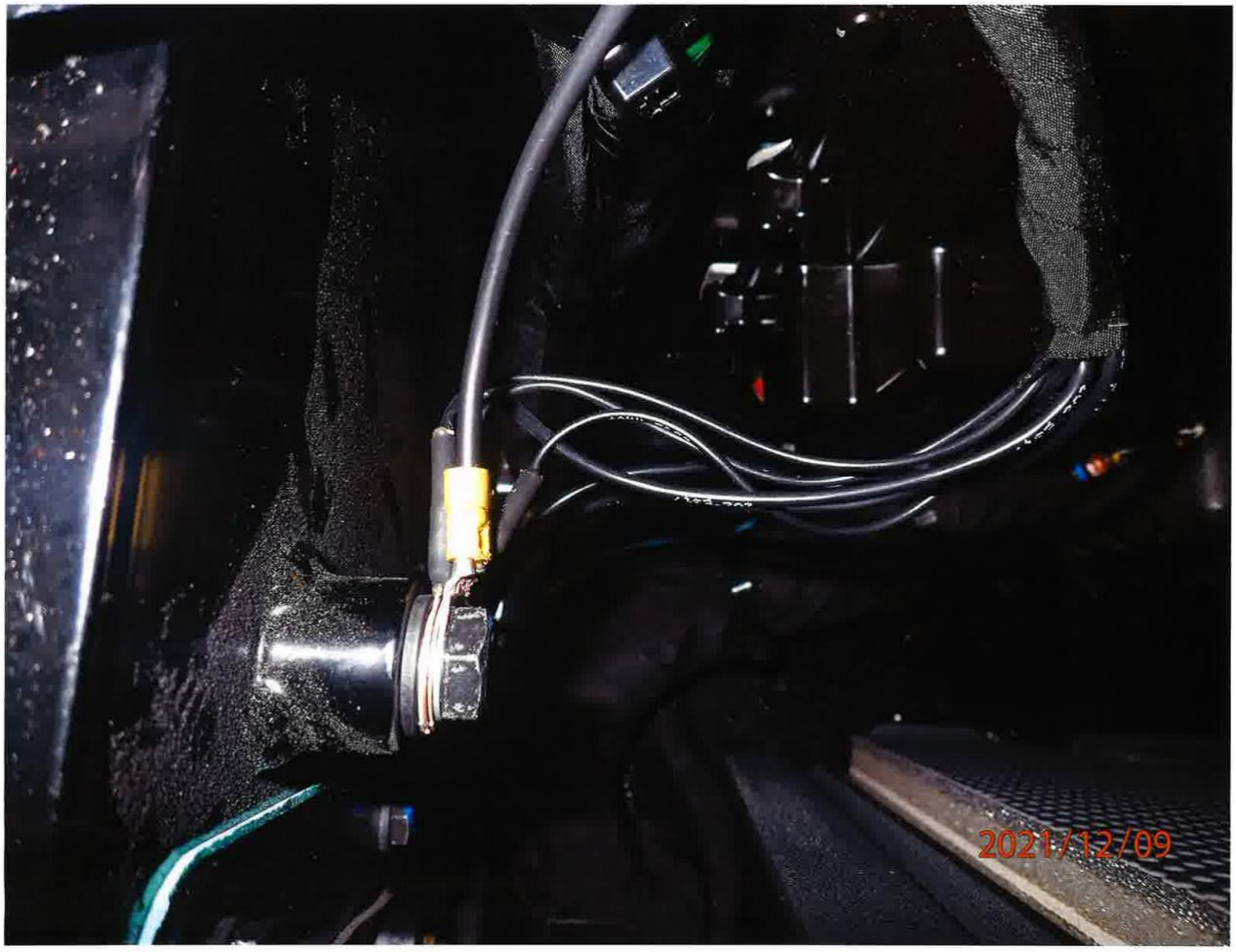
iii. Power and ground harness routing

iv. Fuse panel back

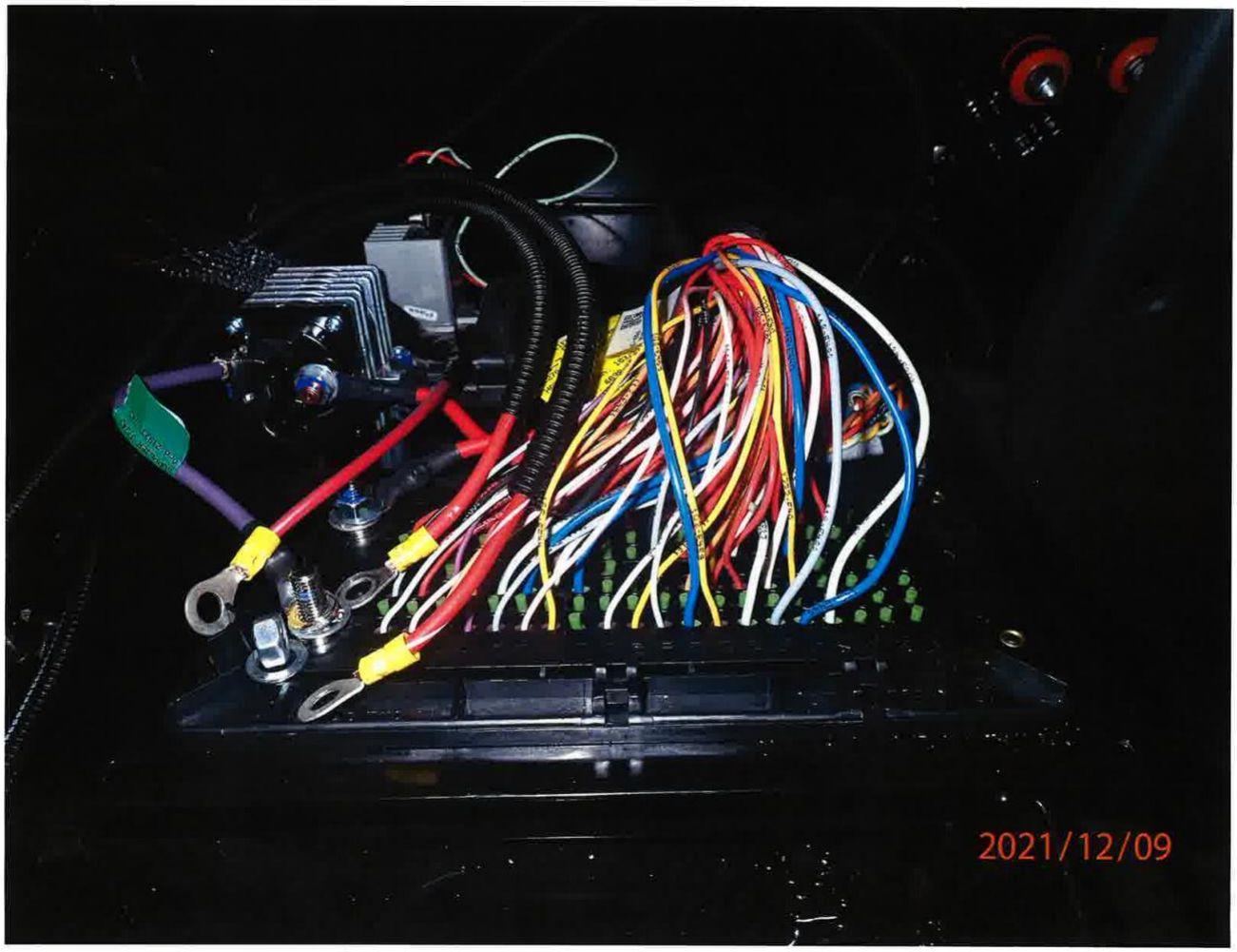


v. Ground post identified

vi. Ground circuit routing



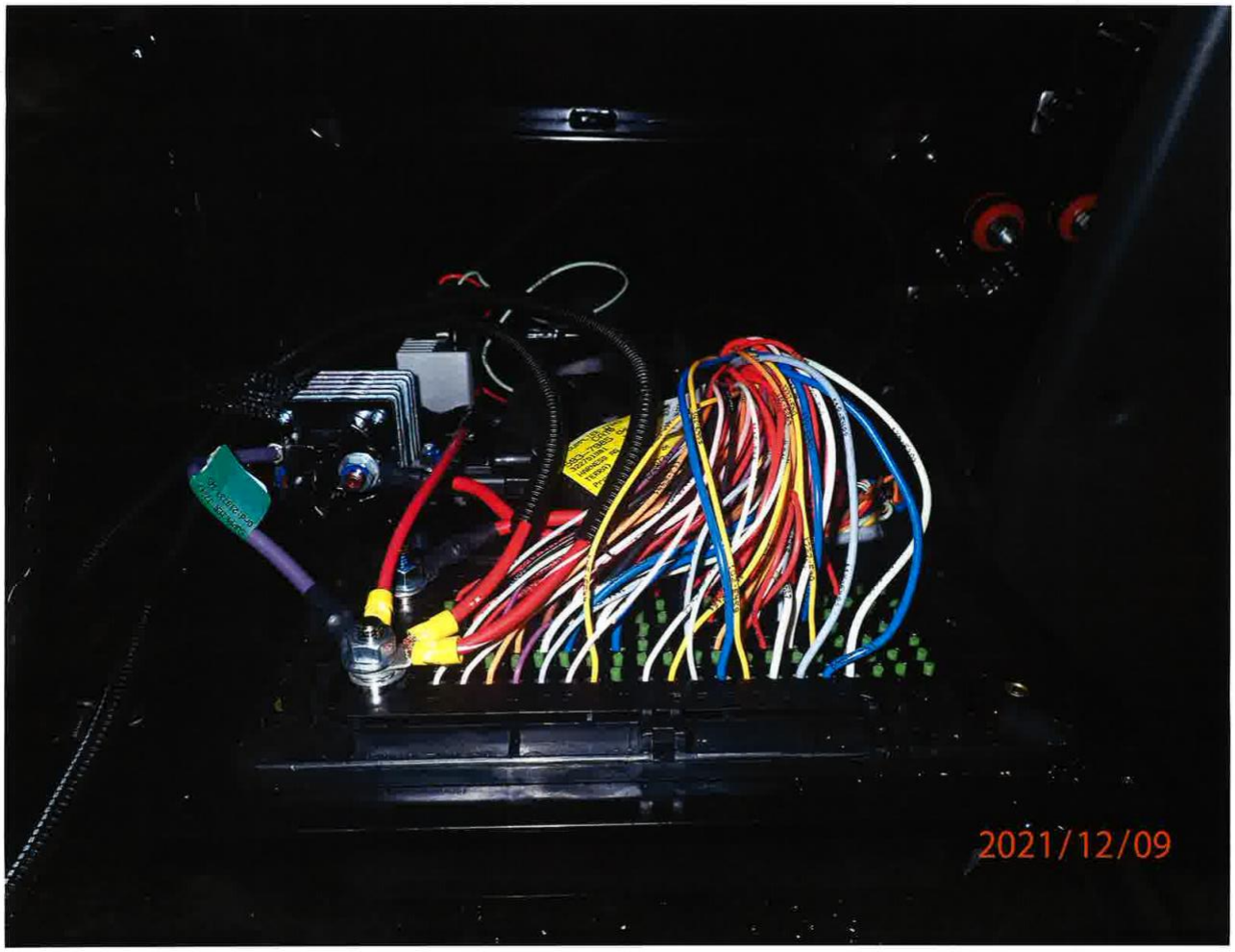
vii. Ground wire attached



viii. Power wires routing:

10 ga wire: Hose reel power
12 ga wire: Cannon Monitor power
14 ga wire: Screen power

With the purple wire



ix. Test system before reinstalling all dash panels. Once power wires connected; put all panels back in place.