

FREIGHTLINER M2

Includes 106, 108SD, 112, 114SD

HARDWARE MOUNTING AND CABLE GUIDE
HEAVY DUTY VEHICLE (U.S.)



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Freightliner M2




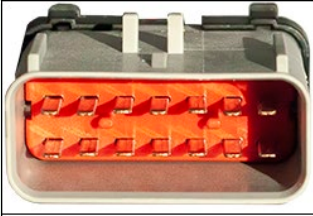
Cable Guide 2003-2022



Freightliner M2 106 (Flat windshield)



Freightliner M2 112 (Flat Windshield)

Year Range	SR4 Harness Description	SR4 SKU	Cable Type
2003-2009	9 Pin Type 1, Flange black	104-0009-0018-00	 J-1939, 9-pin Type 1, (Black) Flange
2010-2016	2-pin Type B Deutsch Black inside	104-0009-0008-00	 J-1939, 2-pin Type B, Deutsch (Black Inside)
2017-2022	Splice Pack ECU Protocol = 0	104-0009-0014-00	 J-1939, Splice Pack
2023+	14 Pin RP1226 ECU Protocol = 0	104-0009-0038-00	

IMPORTANT: Vehicles using the Splice Pack cable will require a setpoint change. ECU protocol = 0

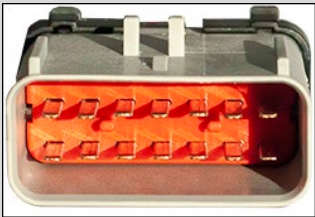
Freightliner M2

Cable Guide Oct 2018-2022

IMPORTANT: The 14-Pin (RP1226) is an orderable option for this vehicle. Verification of whether the vehicle is equipped with the 14-Pin can be done by asking the customer if they have ordered the Accessory Port for this vehicle using the **6TS-XXX code**.



Freightliner M2 112 (Flat Windshield)

Year Range	SR4 Harness Description	SR4 SKU	Cable Type
Oct 2018-2022	<u>ORDERABLE OPTION</u> J-1939, 14 Pin Freightliner (grey connector, no label)	104-0009-0038-00	

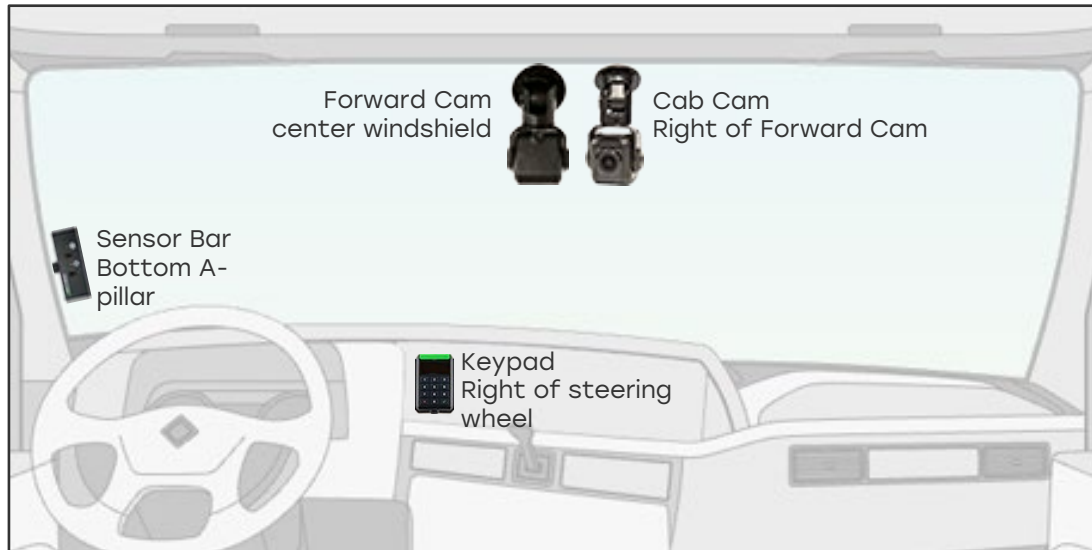
IMPORTANT: Vehicles using the 14-pin cable will require a setpoint change.
ECU protocol = 0

Freightliner M2 (all years)

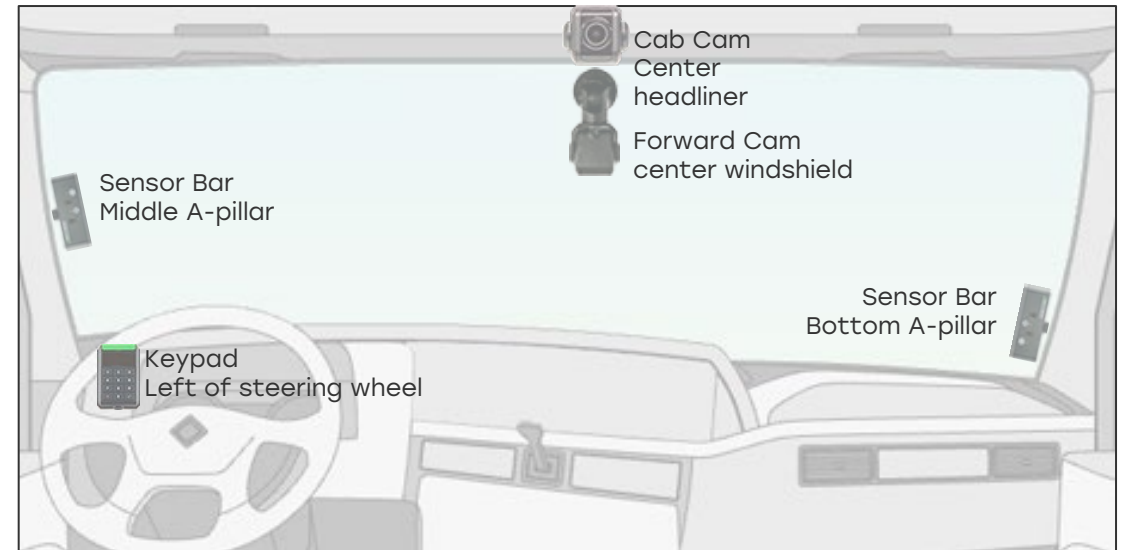
Approved camera mounting (flat/split windshield), sensor bar, and keypad locations

Note: Any combination of these mounting locations are approved

Flat windshield - Preferred locations



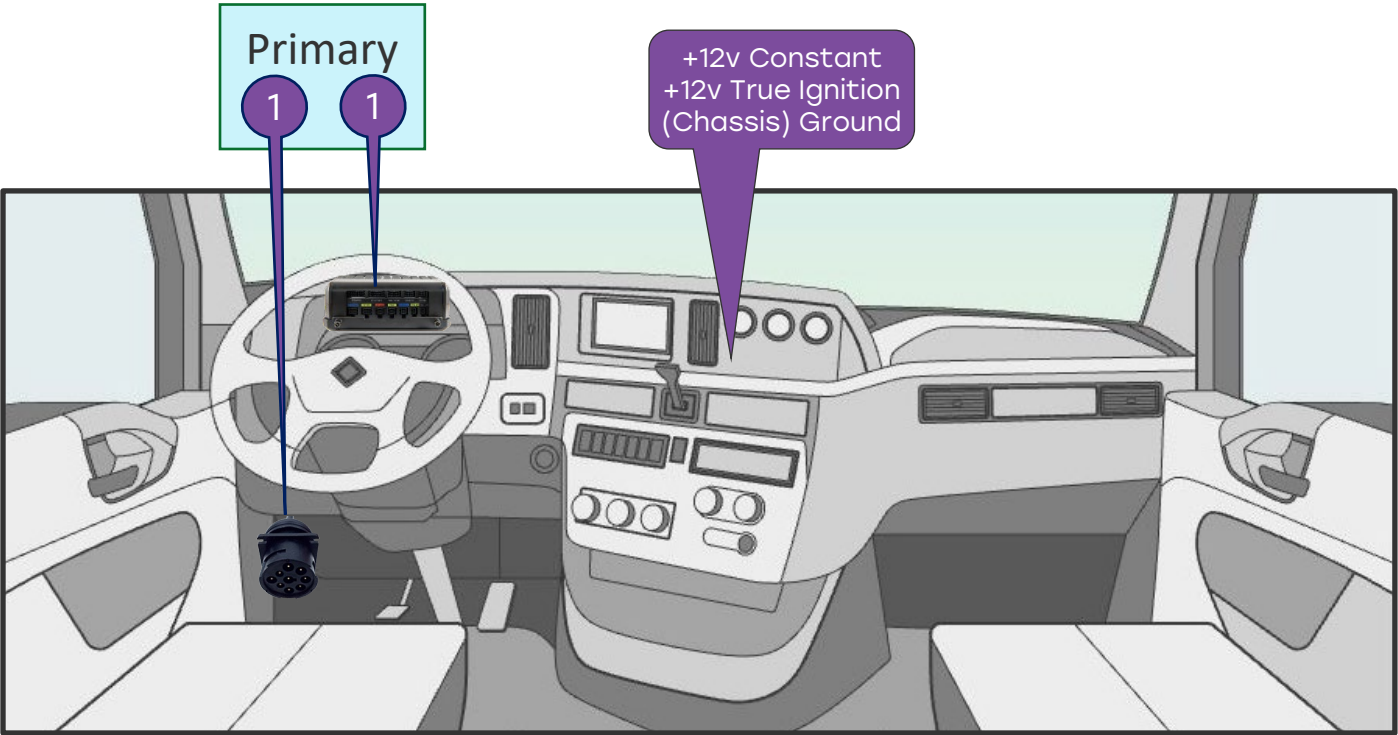
Flat windshield - Alternative locations



Freightliner M2 (2003-2009)

Controller, ECU, and wiring locations

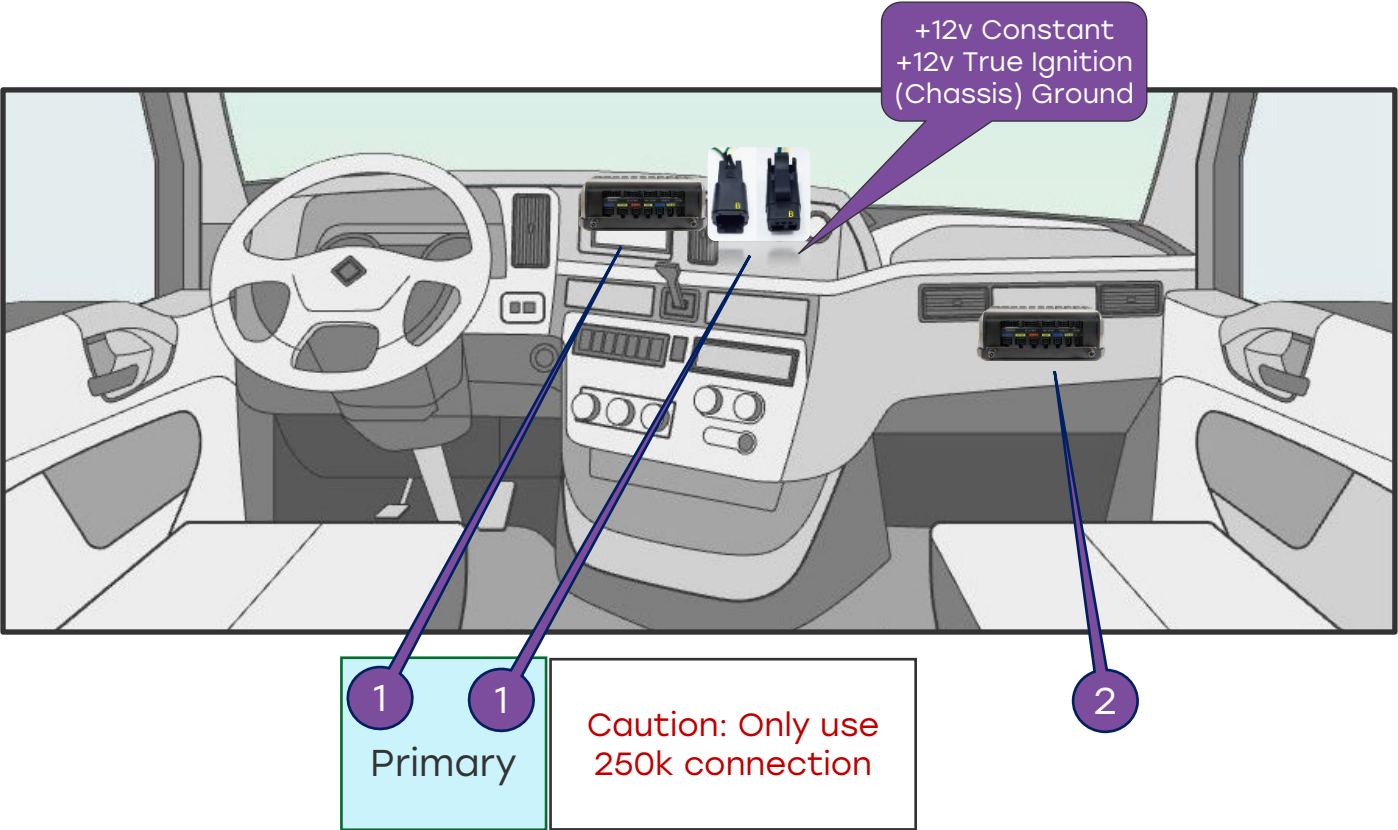
Component	Primary location
Controller	Driver-side Behind the instrument panel
ECU Connection	Driver-side 9-pin Type 1, Flange black (104-0009-0018-00)
Wiring Constant, True Ignition, & Ground	Center Dash



Freightliner M2 (2010-2016)

Controller, ECU, and wiring locations

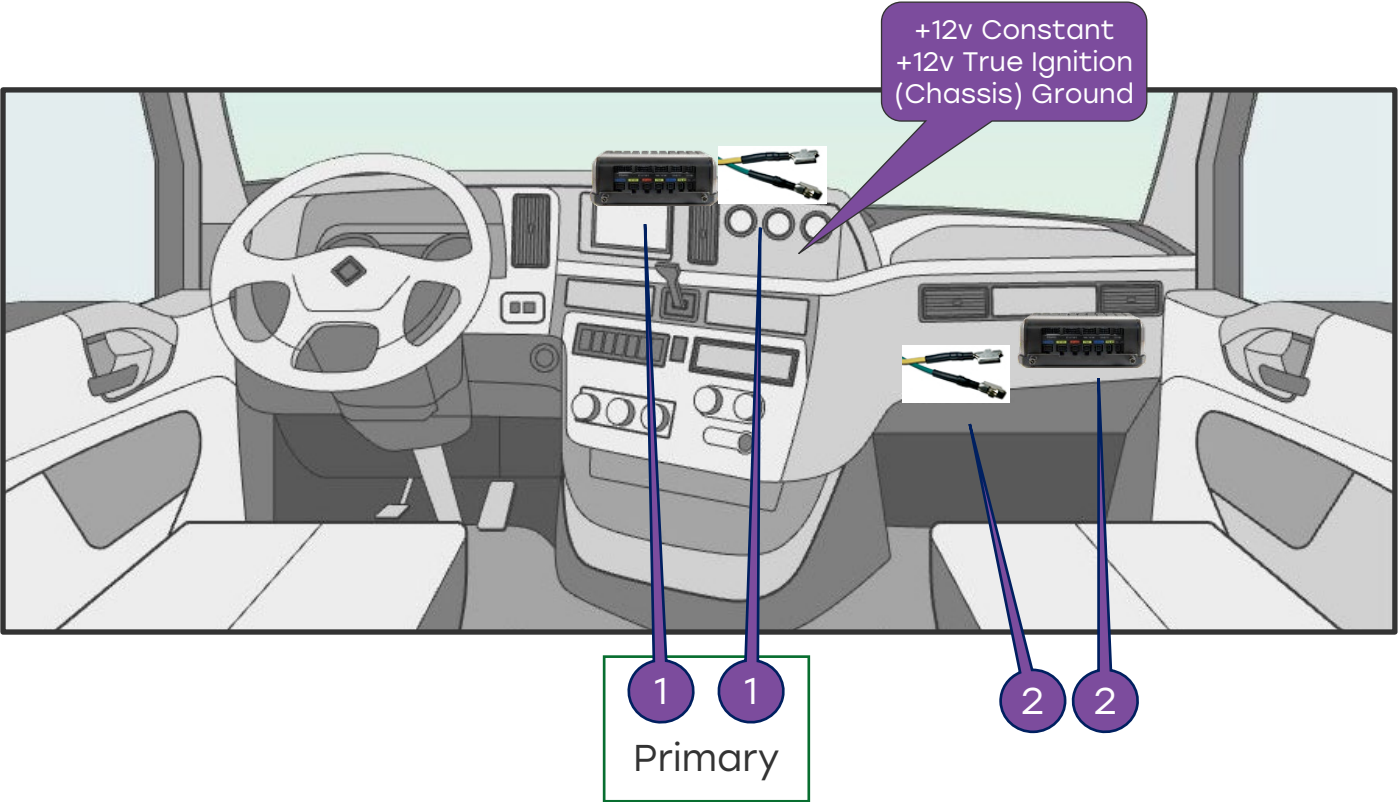
Component	Primary location
Controller	<div>1 Under dash panel</div> <div>2 Behind passenger side panel</div>
ECU Connection	Under dash panel 2-pin Type B (104-0009-0008-00)
Wiring Constant, True Ignition, & Ground	Under dash panel (Constant) Behind Center dash(Ign/Gnd)



Freightliner M2 (2017-2022)

Controller, ECU, and wiring locations

Component	Primary location
Controller	<div>1</div> Under dash panel <div>2</div> Behind passenger side panel
ECU Connection	<div>1</div> Under dash panel <div>2</div> Behind pass panel Splice Pack (104-0009-0014-00) ECU protocol = 0
Wiring Constant, True Ignition, & Ground	Under dash panel (Constant) Behind Center dash(Ign/Gnd)

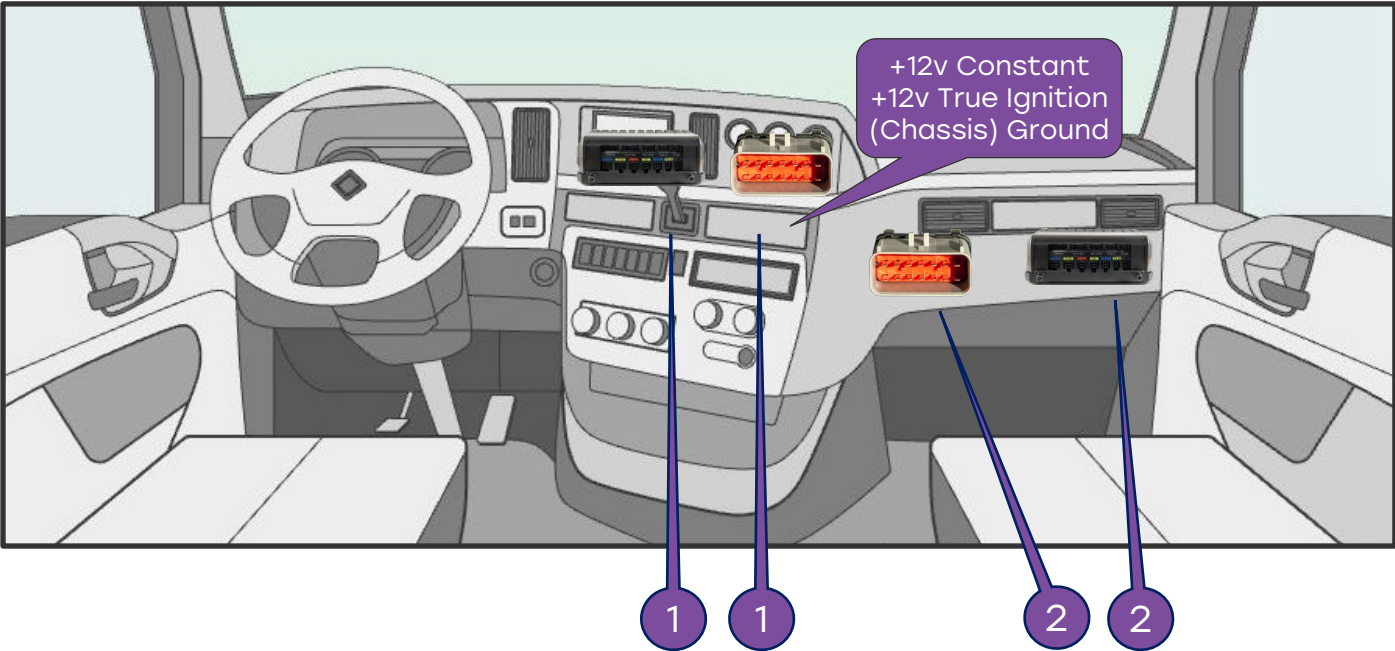


Freightliner M2 (OCT 2018-2022) Optional

Controller, ECU, and wiring locations

IMPORTANT: The 14-Pin (RP1226) is an orderable option. Verification of whether the vehicle is equipped with the 14-Pin can be done by asking the customer if they have ordered the Accessory Port for this vehicle using the **6TS-XXX** code.

Component	Primary location
Controller	<div>1 Under dash panel</div> <div>2 Behind passenger side panel</div>
ECU Connection	14 Pin RP1226 (104-0009-0038-00) ECU protocol = 0
ECU Location	<div>1 Under dash panel</div> <div>2 Behind passenger side panel</div>
Wiring Constant, True Ignition, & Ground	Under dash panel (Constant) Behind Center dash(Ign/Gnd)



IMPORTANT: Vehicles using the 14-pin cable will require a setpoint change.
ECU protocol = 0

Key Compliance Specifications

Forward-facing Camera



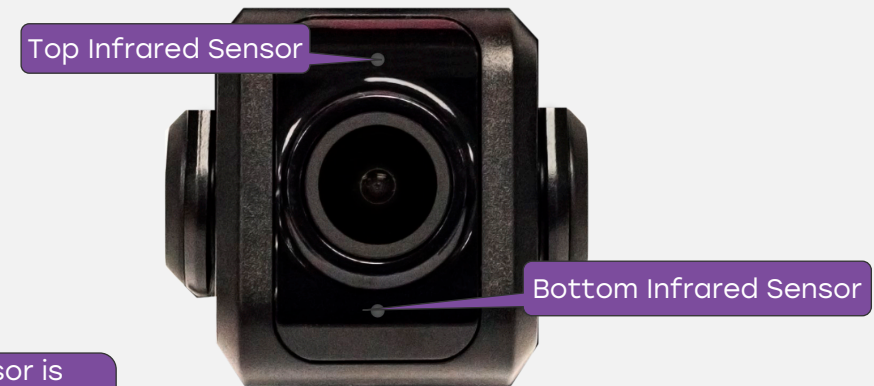
Mount the camera within 6" from the top of the windshield.
Camera cannot interfere with a driver's line of sight to the road, traffic signals, or road signs

Cab-facing Camera



Camera lens **must** have a complete view of the driver when the visors are in the down and fully extended position. Use a headliner location when the fully extended visor covers the camera lens.

Make sure the cab-facing camera bracket, or vehicle's headliner, DOES NOT BLOCK the cameras Infrared (IR) sensors

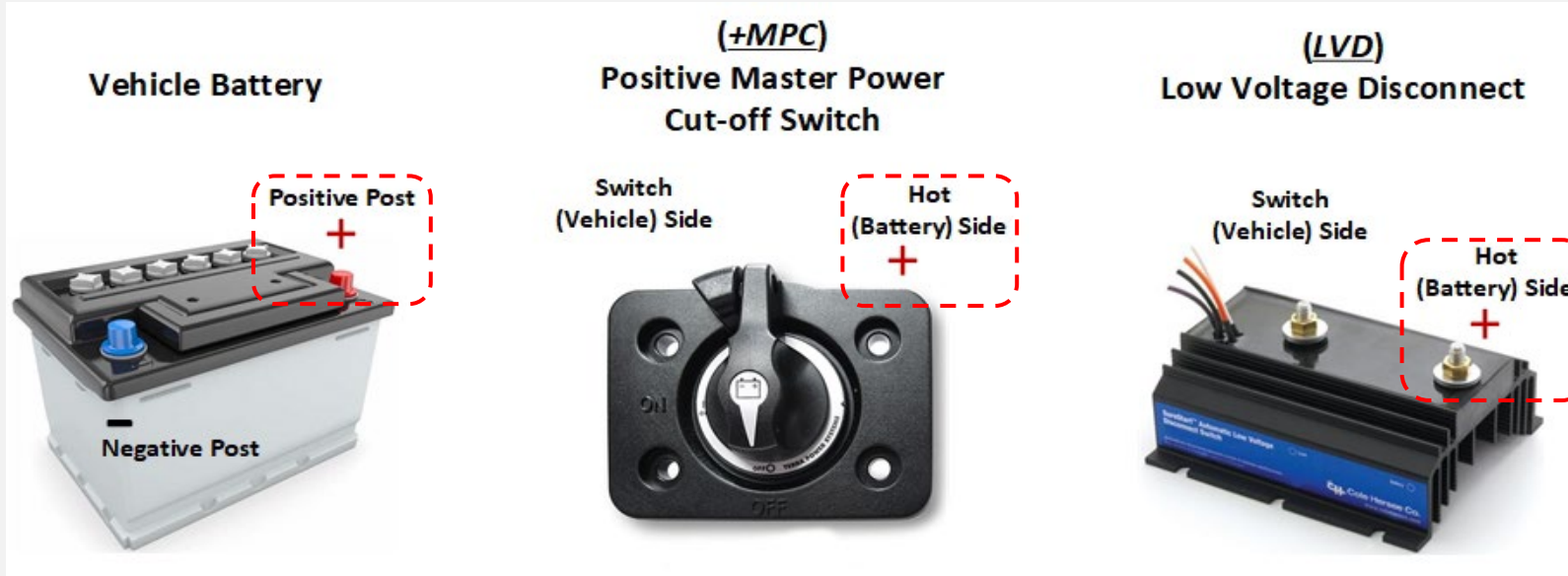


Infrared Sensor is obstructed by the bracket



Key Compliance Specifications

Master Power Cutoff (MPC) and Low Voltage Disconnect (LVD)



Connect the SmartRecorders **Red** Constant Power wire to the **Positive Post** of the Vehicles Battery.

Connect the SmartRecorders **Red** Constant Power wire to the **Hot/Battery** side of the Master Power Cut-off switch.

Connect the SmartRecorders **Red** Constant Power wire to the **Hot/Battery** of side the Low Voltage Disconnect.

The SmartDrive SR4 system is designed to function only with a Positive MPC/LVD, not a Negative Ground MPC/LVD.