

Manufactured by Daimler Trucks of North America

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+ (need more data)	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-Current

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- Current	ORDERABLE OPTION 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.

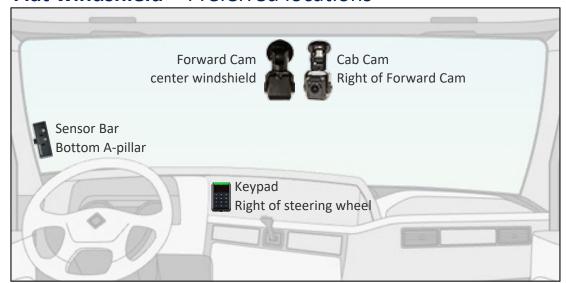
ECU protocol = 0



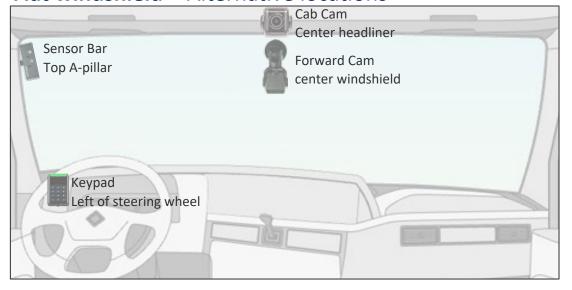
Approved camera mounting, sensor bar, and keypad locations

Note: Any combination of these mounting locations are approved

Flat windshield - Preferred locations



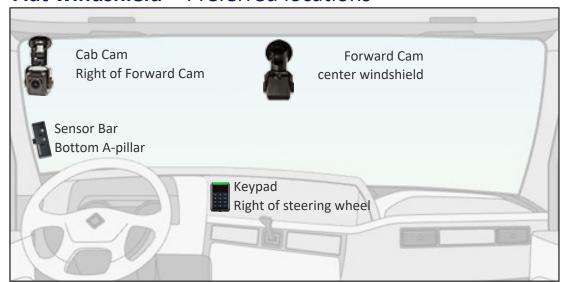
Flat windshield - Alternative locations



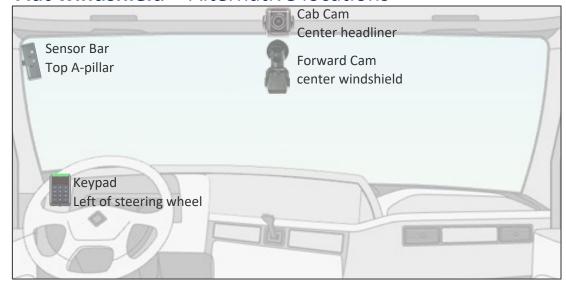
Approved camera mounting, sensor bar, and keypad locations

Note: Any combination of these mounting locations are approved

Flat windshield - Preferred locations



Flat windshield - Alternative locations

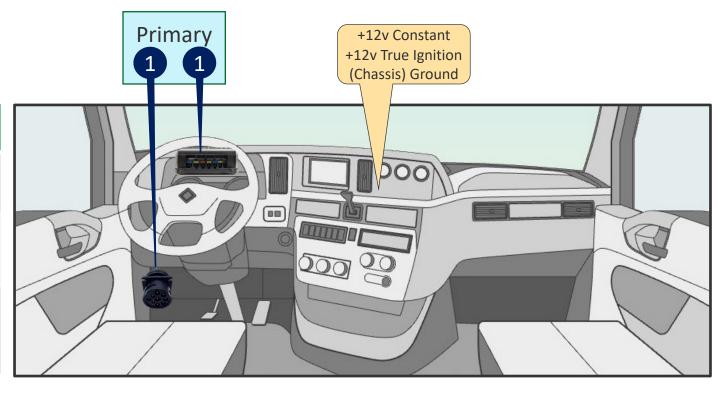


RETURN HOME 2003–2009 DLC and wiring instructions

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

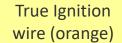




2003-2009 Wiring connections

Constant Power wire (red)





Wiring Locations

Constant Power

Connect the red power wire to the red splice pack located under dash panel

Recommended pin part # 12191818

True Ignition

Connect the orange ignition wire to the pink splice pack behind center console plate behind the air brake control

Recommended pin part # 12110844

Ground

Connect the black ground wire to the black splice pack located behind the center console plate behind the air brake control

Recommended pin part # 12110844





(black)

2003-2009 9-PIN type 1 Flange Data Link Connector (DLC)

Component	Notes	
9-Pin Type I Flange (Black)	N/A	

		Description
SR4 Part#	104-0009-0018-00	J1939 & J1708, 9 Pin Type 1, Flange black
Connector Color	Black	(Black) color indicates J1939, 250kb network speed
Network	J1939 & 1708	Vehicle Bus Communication Network - (Passive)
Baud Rate	250kb	 Supports (250kb) low speed protocol (250kb) Best Connection for 3rd Party Devices
Connection Type	9-PinType 1, Flange	Square mounting tab located near the connectors base with slots for mounting screws.



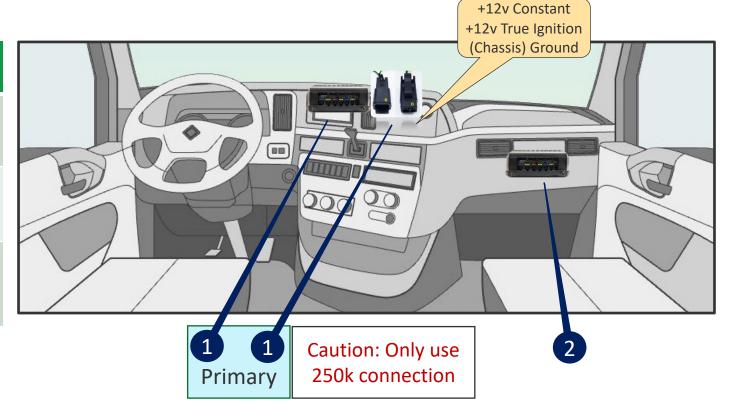


RETURN HOME 2010-2016 DLC and wiring instructions

Freightliner M2 (2010-2016)

Controller, ECU, and wiring locations

Component		Primary location	
Controller	1 2	Under dash panel Behind passenger side panel	
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)	

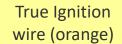




2010-2016 Wiring connections

Constant Power wire (red)





Wiring Locations

Constant Power

Connect the red power wire to the red splice pack located under dash panel

Recommended pin part # 12191818

True Ignition

Connect the orange ignition wire to the pink splice pack behind center console plate behind the air brake control

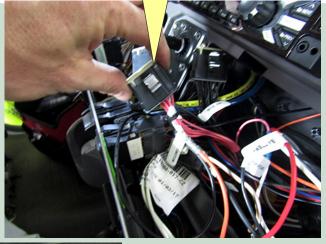
Recommended pin part # 12110844

Ground

Connect the black ground wire to the black splice pack located behind the center console plate and behind the air brake control

Recommended pin part # 12110844







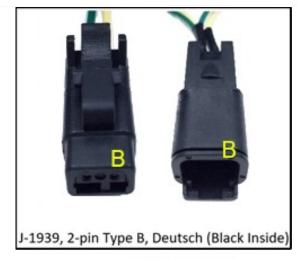
(black)

2010-2016

2-Pin Type B Data Link Connection (DLC) locations

Component	Notes
2-Pin Type B Deutsch (black inside)	N/A

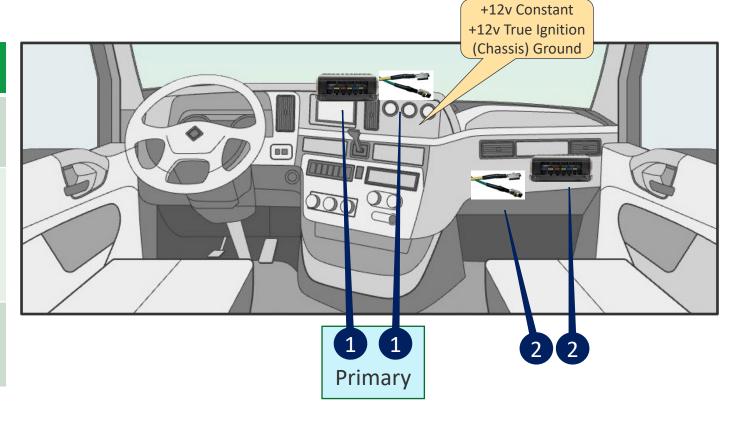
		Description
SR4 Part #	104-0009-0008-00	J-1939, 2 Pin Type B Deutsch (black inside)
Connector Color	Black	(Black) internal color indicates Type B Connector
Network	J1939	Vehicle Bus Communication Network - (Passive)
Baud Rate	250kb, 500kb	 Supports (250kb) Low speed and (500kb) High speed (250kb) Best Connection for 3rd Party Devices
Connection Type:	2-Pin, Type B	 Deutsch connection, (B) pin slot is green wire, (+) J1939 Notified by tab on (B) pin slot of male connector





Controller, ECU, and wiring locations

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





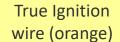




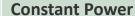
2017-2022 Wiring connections

Constant Power wire (red)









Connect the red power wire to the red splice pack located under dash panel

Recommended pin part # 12191818

True Ignition

Connect the orange ignition wire to the pink splice pack behind center console plate behind the air brake control

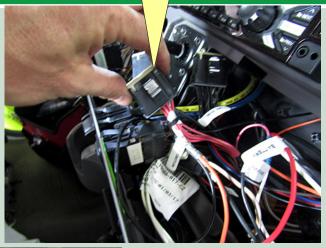
Recommended pin part # 12110844

Ground

Connect the black ground wire to the black splice pack located behind the center console plate and behind the air brake control

Recommended pin part # 12110844







(black)

2017-2021 Splice Pack Data Link Connection (DLC) locations

Component	Notes
Splice Pack (green/yellow metal tip leads)	N/A

		Description
SR4 Part #	104-0009-0014-00	J-1939, Splice Pack (green/yellow metal tip leads)
Network	J1939	Vehicle Bus Communication Network – (Active)
Baud Rate	250kb	 Supports (250k) Low speed Active Protocol (250k) Best Connection for 3rd Party Devices
Connection Type	Terminal leads	(Green/Yellow) crimped female terminal leads



ECU protocol = 0





OCT 2023-Current (Orderable Option Only) DLC and wiring instructions

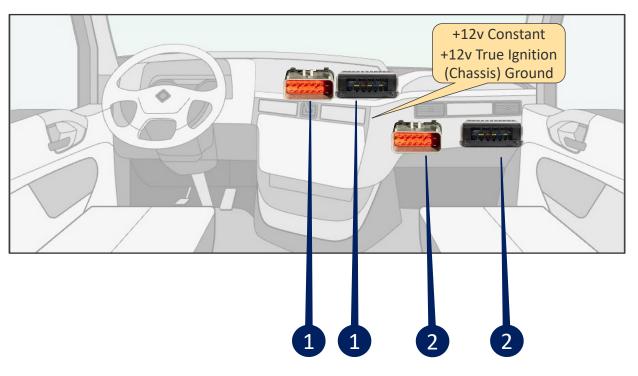


Oct 2023-current Optional

Approved controller, ECU, and wiring locations

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

Component	Location
Controller	Under dash panelBehind passenger side panel
ECU Connection	Under dash panel Behind passenger side panel J-1939, 14 Pin Freightliner (grey connector, no label) (104-0009-0038-00) ECU protocol = 0
Wiring Constant, True Ignition, & Ground	Under dash panel (Constant) Behind Center dash(Ign/Gnd)



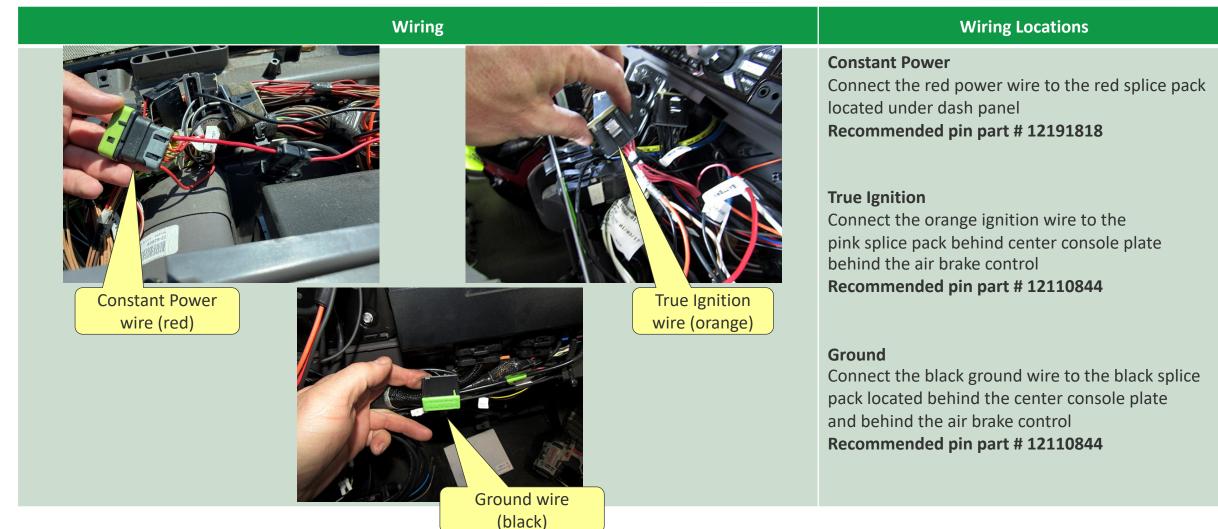
IMPORTANT: Vehicles using the 14-pin cable will require a setpoint change.

ECU protocol = 0



Oct 2023-Current Optional

Wiring connections



Oct 2023-Current Optional

14-pin Freightliner Data Link Connection (DLC)

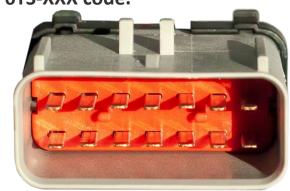
IMPORTANT: The 14-Pin (RP1226) is an orderable option for this vehicle. Verification of whether the vehicle equipped with the 14-Pin can be done by asking the customer if they have ordered an Accessory Port for this vehicle using the **6TS-XXX code**.

Component	Notes
14 Pin Freightliner RP1226	N/A

		Description	
SR4 Part #	104-0009-0038-00	J-1939	
Network	J1939	Vehicle Bus Communication Network – (Active)	
Baud Rate	250kb	 Supports (250k) Low speed Active Protocol (250k) Best Connection for 3rd Party Devices 	
Connection Type	14 pin connector		

IMPORTANT: Vehicles using the 14-pin cable will require a setpoint change.

ECU protocol = 0





Approved 360 Camera VSA

The following 360 Convoy VSAs describe the installation process.

- SR4-360 VSA_Side Mirror
- SR4-360 VSA_Rear view
- SR4-360 VSA_Entry Exit Door
- SR4-360 VSA_Inside Interior
- SR4-360 VSA Monitor M7104
- SR4-360 VSA_5 Camera

Please contact your Project Manager for a copy of these documents.





Approved ADAS Forward-facing Camera location

Mounting Location

Mount the ADAS shroud 1" from the top and center of the windshield

The camera cannot interfere with a driver's line of sight of the road, traffic signals, or road signs.

Details

- 1. Before removing the adhesive backing, check to make sure the camera fits properly
- 2. Using an alcohol pad clean the windshield and wipe dry with a lint-free clean cloth
- 3. Critical: Use a pocket level to ensure that the bottom of the camera is mounted level looking from left to right.
- 4. Press firmly on camera bracket for 10 seconds to ensure adhesion
- 5. Run camera cable under the headliner towards the driver side
- 6. Remove the A-pillar cover and run the camera cable down to the controller. Ensure the cable doesn't get pinched.

This camera requires calibration.

Details are available in the

ADAS installation and Calibration guide





Driver Feedback Device location

Mounting Location

Mounted on the right hand side of the steering wheel to the top of the dash.

Run the cable to the controller.

Plug the driver feedback cable into the port DRIVER FB

Secure the device by cleaning the area with alcohol pad

and secure with adhesive

Details

- 1. The sensor bar must be visible to the driver.
- 2. Clean the windshield with an alcohol pad and wipe dry with clean cloth. Do not use shop rags which have grease even when clean.
- 3. Press firmly on the baseplate for 10 seconds to ensure it adheres properly to the dash
- 4. Secure with 2 self-tapping screws
- 5. Run wires to the controller





RETURN HOME Best Practices: Cameras, Sensor Bar, & Keypad

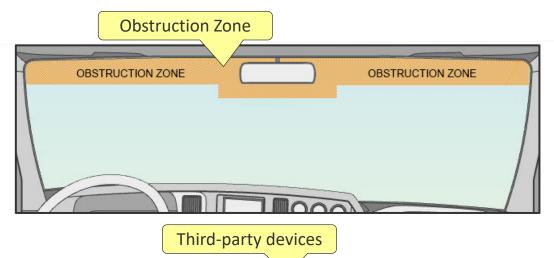


Best Practice: Camera Mounting Considerations

During an install, you may find obstructions such as sun visors and third party devices that make it impossible to mount in an approved location. The following describes our recommended adjustments in these situations.

Sun Visors are set in the down position and fully extended during the install process to verify the Cabfacing camera has a clear view of the drivers face, hands on the steering wheel, shoulder, and seat or lap belt. When blocked by visor, mount the Cab-facing camera using the secondary location where the desired view is attainable.

When third party devices are located at the top center of the windshield, mount the forward-facing camera on the right side of the device.





Best Practice: Forward and Cab-facing Camera Installation Instructions

Forward-facing Camera Installation Instructions



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

<u>Details</u>

- 1. Before removing the adhesive backing, check to make sure the camera fits properly. Use a pocket level to ensure the bottom of the camera is mounted level looking from left to right.
- 2. Using an alcohol pad clean the windshield and wipe dry with a lint-free clean cloth. Do not use shop rags which contain grease even when clean.
- 3. Press firmly on camera bracket for 10 seconds to ensure adhesion
- 4. Use ¼ loom to protect the cable and to keep it from coming loose from the headliner
- 5. Run the camera cable down to the controller.
- 6. Cables must not block air bag functionality

Cab-facing Camera Installation Instructions



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.

Details

- 1. Mount the Cab-facing camera on a flat hard surface Using an alcohol pad clean the windshield and wipe dry with a clean cloth. Do not use shop rags which contain grease even when clean.
- 2. Mount the camera where the sun visor does not block the lens (windshield or headliner)
 - Headliner: Secure with 2-3 self-tapping screws
- 3. Press firmly on camera bracket for 10 seconds to ensure adhesion
- 4. Use ¼ loom to protect the cable and to keep it from coming loose from the headliner
- 5. Run the camera cable to the controller
- 6. Cables must not block air bag functionality
- 7. Ensure the cable doesn't get pinched

Best Practice: Cab-facing Camera Installation Instructions regarding Infrared Light

Cab-facing Camera Headliner Mount

The cab-facing camera has two infrared (IR) sensors that improve image quality when the cab is dark. IR flare occurs when the camera bracket partially blocks the cab-facing camera creating a bright flare in the image. (See image 1)

Proper Headliner Mounting Options

The camera face must extend beyond the bracket to prevent obstruction

Vertical Mount

Mount the camera vertically to the headliner and position the bracket to hang toward the road. Rotate the camera level with the road and tilted down slightly toward the driver. There should be a visual air gap between the camera and bracket (see all the way through). (See image 2)

Horizontal Mount

Mount the camera horizontally to the headliner and tilt the bracket forward parallel with the headliner. Rotate the camera level with the road and tilt it down toward the driver. There should be a visual air gap between the camera and bracket (see all the way through). (See image 3)

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



Infrared Sensor is obstructed by the bracket







Best Practice: Forward-facing Camera – Field of View Adjustment

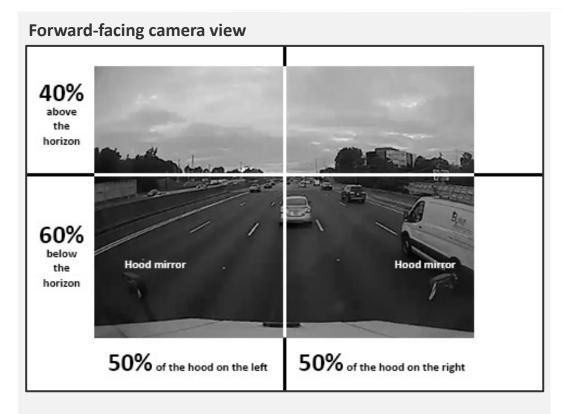
Use the proprietary M4 security wrench

- 1. Loosen the camera bracket screws located on the Forward-facing camera mounting bracket shaft
- 2. Adjust the camera angle by rotating and/or tilting the camera slightly down to capture the view of the horizon to see an unobstructed view of the road and traffic signals/signs in front of the vehicle
 - Note: It is not required to remove the camera from the mounting bracket to complete this adjustment
- 3. Tighten camera bracket screws when the proper camera angle placement is achieved

Note: These are stock images which are not specific to this vehicle.



Best Practice: Acceptable Camera Views



The field of view shows a small portion of the hood while maintaining view of horizon to see road and traffic signals/signs.

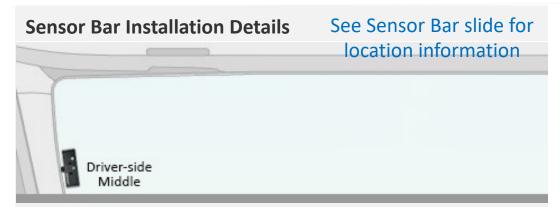
Cab-facing camera view



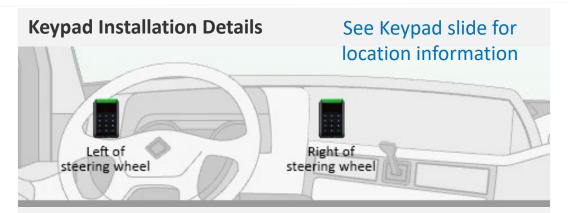
The camera placement is ideal if the field of view provides an unobstructed view of the driver's head / eyes, lap, hands, seatbelt, and an adequate view of the steering wheel (i.e., a visual approximation of at least 75% of the wheel visible within the frame.



Best Practice: Sensor Bar and Keypad Installation Details



- 1. The sensor bar must be visible to the driver. Do not mount where a visor in the down position or fully extended can block the drivers view of the sensor bar.
- 2. Clean the windshield with an alcohol pad and wipe dry with clean cloth. Do not use shop rags which have grease even when clean.
- 3. Remove the baseplate from the sensor bar.
 - DO NOT lose the screws
- 4. Press firmly on the baseplate for 10 seconds to ensure it adheres properly to the windshield
- 5. Install the sensor bar and secure screws until tight
- 6. Run sensor bar wires to the controller
- 7. Ensure the cable does not prevent the functionality of an airbag



- 1. Mount keypad bracket and secure the bracket with 2 selftapping screws
- 2. Run the length of the keypad cable behind the dashboard to the controller location.
- 3. If needed, drill a ¾ inch hole in the dash and insert a ¾ inch snap bushing into the hole to protect the cable from sharp surfaces
- 4. Inspect the backside of the box & verify that the screws don't protrude and cause damage
- 5. Insert keypad into mount



Best Practice: Cable Routing

Service Loops

Before connection cables to the controller, coil excess wiring in an 8" loop and secure with zip ties

Zip Ties

Use zip ties a needs to secure wiring

Controller SMB Connectors

Press down on each SMB Coaxial connector to ensure a good connection

Molex Connectors

Push and lightly pull each Molex connector to ensure that the snap-in clip is secure

OBDII Connectors

Use SmartDrive banded zip ties around the connectors to prevent them from coming loose and to identify tampering





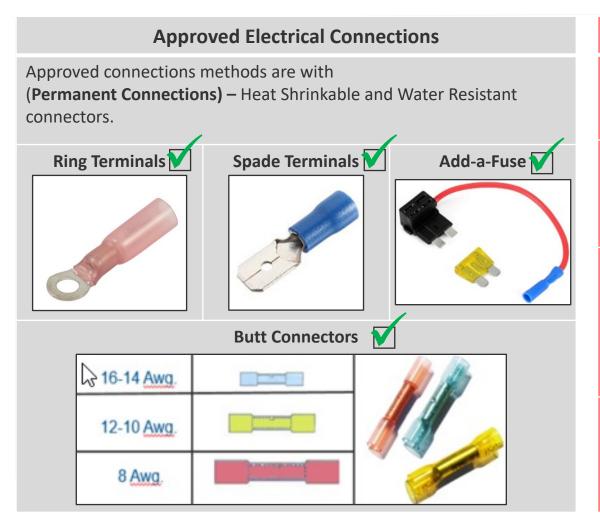






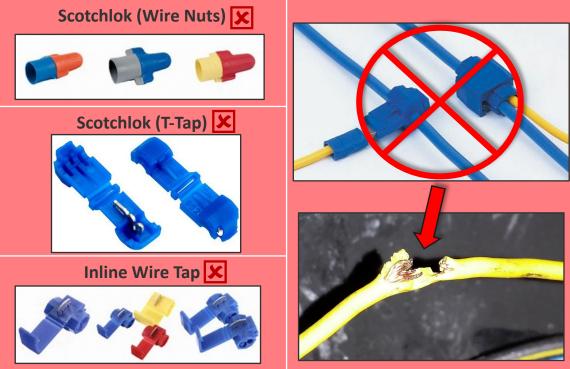
RETURN HOME Controller: Wiring and Component Connections

Approved and Non-Approved Electrical Connection Methods



Non-Approved Electrical Connections

Scotchloks or **T-Taps** are **NOT** allowed. These connections are prone to corrosion, loosening, are easily tampered. They can result in less than desirable performance issues.



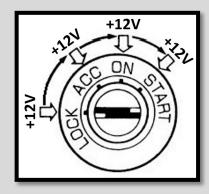
Verifying Wiring Connecting

+12v (Uninterrupted) Constant Power

(Red Wire)

How to locate Constant Uninterrupted Power with a Digital Multi-meter:

- 1. Test for constant 12 volts (in all key positions)
- 2. With the ignition ON, vehicle running, Ignition OFF, and while cranking.
- Verify constant battery voltage remains constant and does not drop below 10vDC

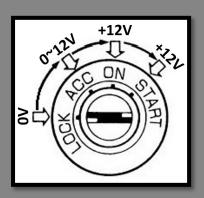


+12v True-Ignition

(Orange Wire)

How to locate True Ignition with a Digital Multi-meter:

- With the vehicle off your meter will show "0" volts.
- 2. With the key in the Run position your meter will show approx. 11 ~ 14 volts.
- 3. While the vehicle starter is cranking, your meter will show approx. 10 ~11 volts.
- 4. With the engine running your meter will show approx. 12 ~ 14 volts.



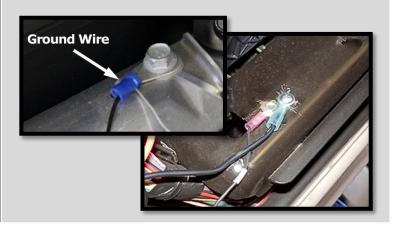
(Chassis) Ground

(Black Wire)

Verifying Chassis Ground

Connect a #10 ring terminal to the black ground wire. When making a connection in the engine compartment, use a #10 water resistant, heat shrinkable ring terminal.

Scrape surface near the vehicles fuse box and use ¼ inch self-tapping screw to connect the ground wire





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



Negative Ground Master Power Cut-off Switch (-MPC)

NEVER connect to:

(-) Negative Ground (MPC)!

Positive Master Power Cut-off Switch (+MPC) and LVD

ONLY connect to:



- Positive Post of Vehicle Battery.
- Hot/Battery side of (+MPC) Switch.
- Hot/Battery side of (LVD).

Vehicle Battery



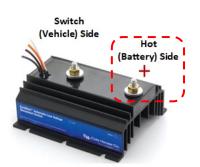
Connect the
SmartRecorders Red
Constant Power wire
to the Positive Post of
the Vehicles Battery.

(<u>+MPC</u>) Positive Master Power Cut-off Switch



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

(<u>LVD</u>) Low Voltage Disconnect



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

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

Controller Connection Ports: DLC/Power, Analog Power, Keypad, Sensor Bar, GPS, Wabco Camera, GPS, Remote Push Button

Expansion Port

Plug the expansion cable to the EXPANSION port

ECU/Controller connection and Power

Plug the main power and ECU connector to the ECU/PWR port

Analog Power

Plug the Analog Camera Power connector to the Analog PWR port

Driver Feedback

Plug the driver feedback cable into the port DRIVER FB

The Keypad

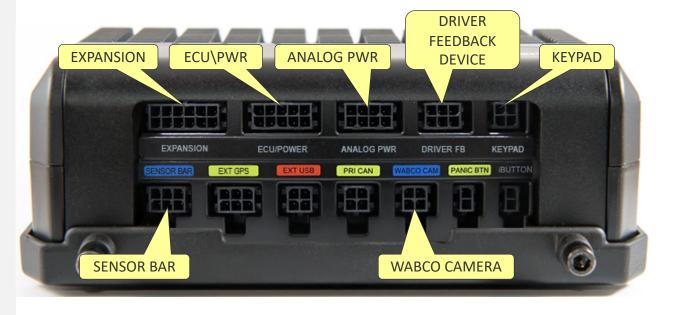
Connect the Keypad connector to the KEYPAD port

The Sensor Bar

Connect the Sensor Bar connector to the blue SENSOR BAR port

Wabco Camera

Plug the Wabco camera connector to the WABCO CAM port



Controller Connections: Forward and Cab-facing cameras and Sensor Bar (Cellular and WIFI)

Connection instructions

- 1. Forward-facing Camera (FWDCAM-1 port)
- 2. Cab-facing Camera (DCAM-2 port)
- 3. Reserved (DCAM-3 port)
- 4. Other Digital Camera (DCAM-4 port) (not available)
- 5. Cellular Antenna (CELL ANT port)
- 6. WIFI Antenna (WIFI ANT port)

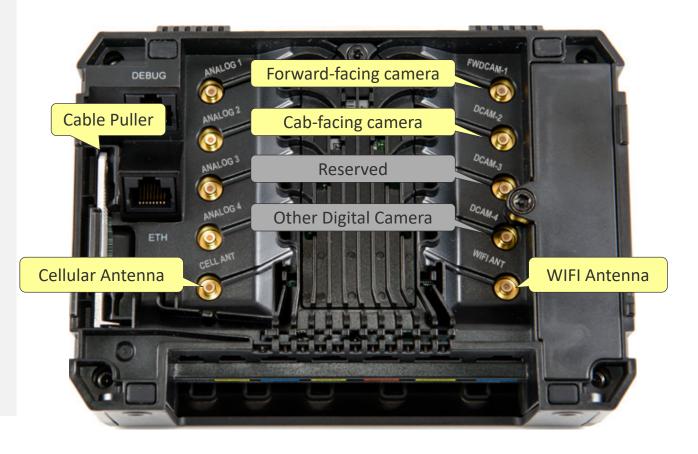
Details

Connect all cables to their ports and route through the strain relief channel. Use mounting tray for securing the Controller

Please take extra care when routing and tying up the camera cables as kinks or tight cable ties may create video failure

Depress the SMB coaxial connector until it clicks (locks) in place then route the cable in the strain relief channel

Should you need to remove a cable, use the cable puller





Controller Connections: Analog cameras

Connection instructions

Analog 1: 360 camera mounted on the passenger-side

Analog 2: 360 camera mounted on the driver-side

Analog 3: Any other analog camera (backup, rear view, etc.)

Analog 4: Not available

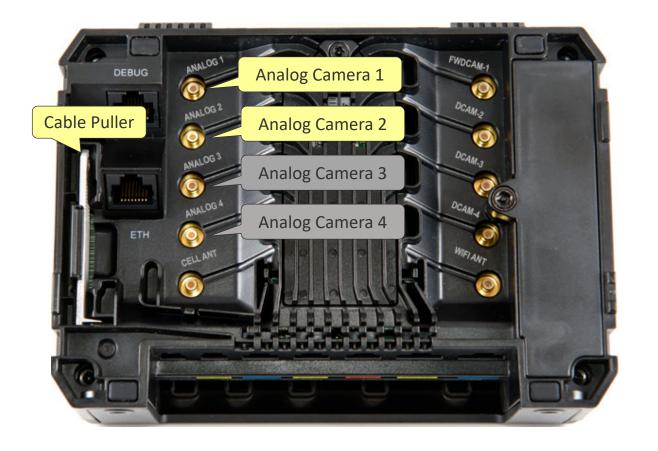
Details

Connect all cables to their ports and route through the strain relief channel. Use mounting tray for securing the Controller

Please take extra care when routing and tying up the camera cables as kinks or tight cable ties may create video failure

Depress the SMB coaxial connector until it clicks (locks) in place then route the cable in the strain relief channel

Should you need to remove a cable, use the cable removal tool

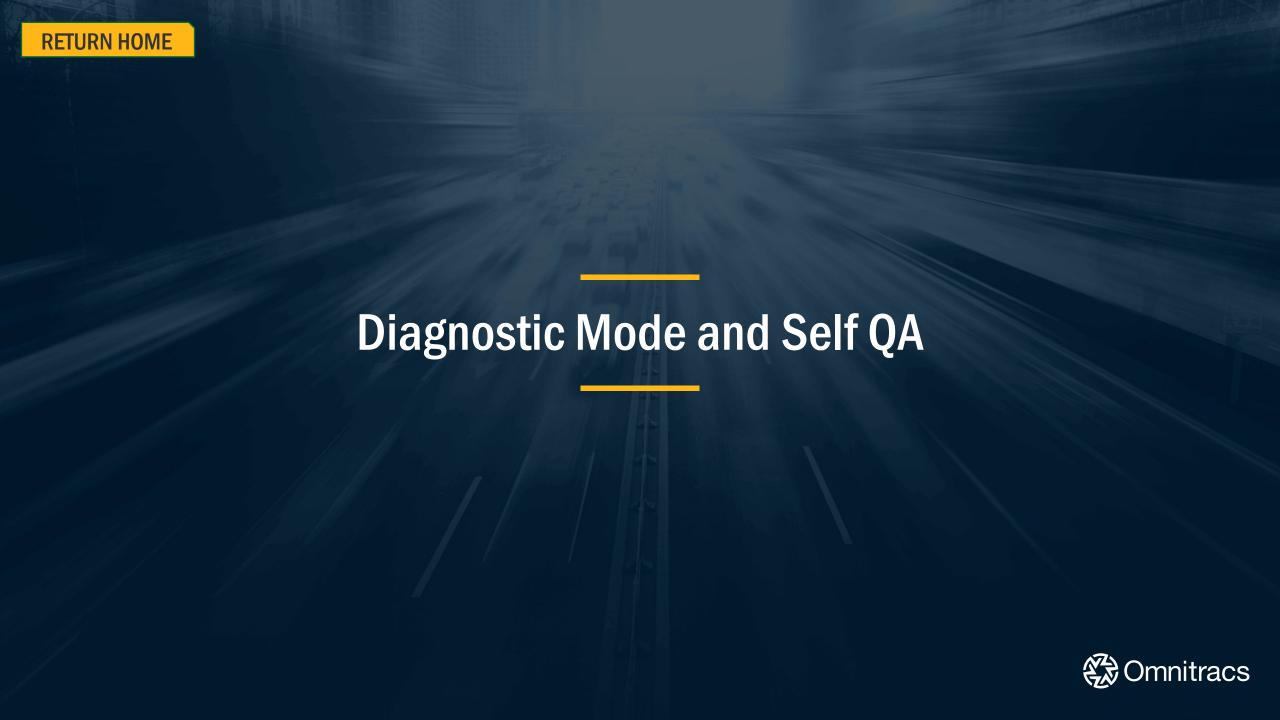


System Verification

Once the Controller is powered up, use the 3 LEDs on the top of the Controller to verify proper operation

- ✓ Power LED 😃
 - ✓ Solid <u>red</u> when control is receiving external power
 - ✓ OFF when not powered
- ✓ Ignition LED
 - ✓ Solid orange when ignition is on
 - ✓ OFF when ignition is off
- ✓ System LED
 - ✓ OFF when the controller is shut down
 - ✓ ON green, awake and running with constant power
 - ✓ <u>BLINKING green</u>, awake and running ONLY on the controllers internal battery. <u>Action: Rewire to obtain</u> constant power.



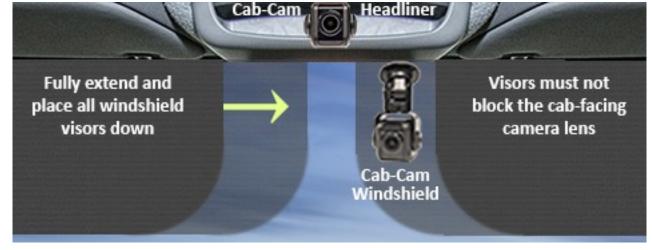


Preparing Diagnostic Mode and checking cellular connectivity

- Move the vehicle outside to obtain cellular connectivity
- Start/Crank the vehicle and let it run for 30-60 seconds before triggering an event to ensure ECU data is being gathered.
- Turn the windshield wipers on to ensure the Road-Facing camera is in the windshield wiper path.
- Fully extend and place all windshield visors down to ensure the Cab-Facing camera has a clear view of the driver (no obstructions).
- **Verify the system has a cellular connection** by observing a solid blue gear LED on the Sensor Bar.







Run Diagnostic Mode using the Keypad or Driver Feedback Device

Press the green button on the keypad or driver feedback device 5 times in 10 seconds to initiate Diagnostic Mode

When diagnostic mode is complete, it will display all Zeros (000000). Press the green button one time to create a manual event.

Note: The SR4 Controller will reboot after the test is complete.



When the test identifies a SR4 system fault, a code will display on the keypad or the driver feedback device. Fault codes are cumulative

Example:
Sensor Bar not found (020,000)
Ignition Off (010,000)

The error codes are added together. 030,000 will display.

When the keypad displays a fault code, use the <u>SR4 Installation Checklist and Diagnostic</u> <u>Mode/Fault Code Guide</u> to assist you in resolving the problem. This document is available from your Omnitracs Project Manager or online in the Response Center help page.

If you can't resolve a fault code, contact **Technical Support.**Toll free number **(866) 933-9930 Option 1**



SMARTDRIVE What is Diagnostic Mode? Diagnostic Mode is an environment t

iagnostic Mode is an environment that runs a set of tests on the SmartRecorder™ 4 (SR4) in order to identify ny faults that may be occurring. Diagnostic Mode utilizes the SR4 Keypad and Driver Feedback Device to splay fault codes.

Run Diagnostic Mode after every installation or repair

liagnostic Mode codes will display any appropriate fault codes on the keypad and the driver feedback device.

Fault codes appearing on the keypad are cumulative Example: Sensor Bar not found (020000) + No GPS Sign

How to Exit Diagnostic Mode?To exit Diagnostic Mode, turn the Ignition **OFF** and wait 15 seconds.

Diagnostics Mode Fault Codes

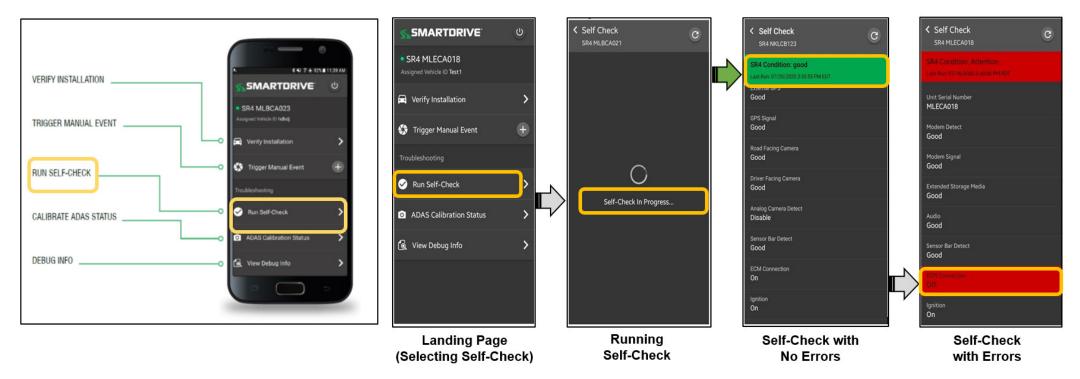
Keypad Code	Code Description	Action
000000	Diagnostic Mode has completed with no faults	None – Passed
000001	Analog camera enabled and not detected	Often referred to as "360 cameras", ensure you would expect analog Cameras to provide feed during the diagnostics test. Refer to your Vehicle Spec for connectivity or contact technical support for further assistance
000002	Analog Camera Capture Circuit	Contact technical support for assistance with this code
000004	Audio Fault	Contact technical support for assistance with this code
000010	Wi-Fi Wireless signal found but unable to connect to SmartDrive	Verify the Vehicle is in WIFI coverage area; check your facility Wi-Fi setup. If correct, contact technical support
000020	Wi-Fi Modem Fault	Perform a soft reboot (10 key presses in 10 seconds) Wait 5 minutes for system to reboot, re-run diagnostic test again. If the fault does not clear, contact technical support



Run Self-check (Diagnostic Mode) using the SmartDrive Technician App

Perform self-service installation QA via a mobile device

- The Android App is available in the Google Play Store.
- Run Self-Check.
- When the SR4 Condition is green, you are done.
- When the SR4 Condition is red, the problem area is shown in red. Resolve that problem area and run Self-Check again.







Vehicle Specification Assessment (VSA) & Exception Management

VSA - MASTER INSTALL SPECIFICATION

The VSA is the approved hardware installation and wiring spec for this vehicle make-model and year ranges

Specific details are defined within – **check the model year you are installing on** as it specifies:

- ✓ Appropriate SmartDrive wiring harness to use
- ✓ Location and instructions for the approved Data Link Connector (DLC)
- ✓ Approved locations and install details for cameras, controller, keypad, and sensor bar
- ✓ The source and approved method to obtain uninterrupted constant power, true ignition, and chassis ground
- ✓ How to connect cables to the controller
- ✓ How to test, troubleshoot, and diagnose.
- ✓ How to call into Technical Support for final QA validation

	CAUTION:	EXCEPTION MANAGEMENT	
	☐ Contact your Omnitracs Project and Account Manager if <u>anything</u> within this document cannot be followed		
	☐ Toll free number (866) 933-9930 Option 1 or their direct phone number		
□ All exceptions must be documented and approved by Omnitracs and Customer before proceeding with installations			

Document all Approved Exceptions

N/A Approved by