

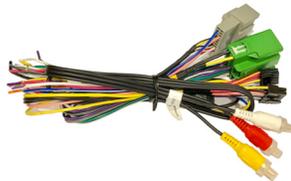
PRODUCT FEATURES:

- Retains factory features in select GM LAN V2 (LIN) Bus vehicles while functioning with an aftermarket radio.
- Retains OnStar functionality.
- Retains all chime functions.
- Retains OEM Auxiliary Input.
- Retains Factory Bluetooth in Vehicles 2008-upwards if equipped with the new OnStar device.
- Retains factory Steering Wheel Controls via built-in, preprogrammed interface.
- Retains RAP (Retained Accessory Power).
- Includes factory backup camera connection for the IO3 system. (vehicles with IO4, IO5 & IO6 systems can be hard wired to retain the OEM camera. See page 3)

PARTS INCLUDED:



SOOGM-19L MODULE



SOOGM-19L HARNESS

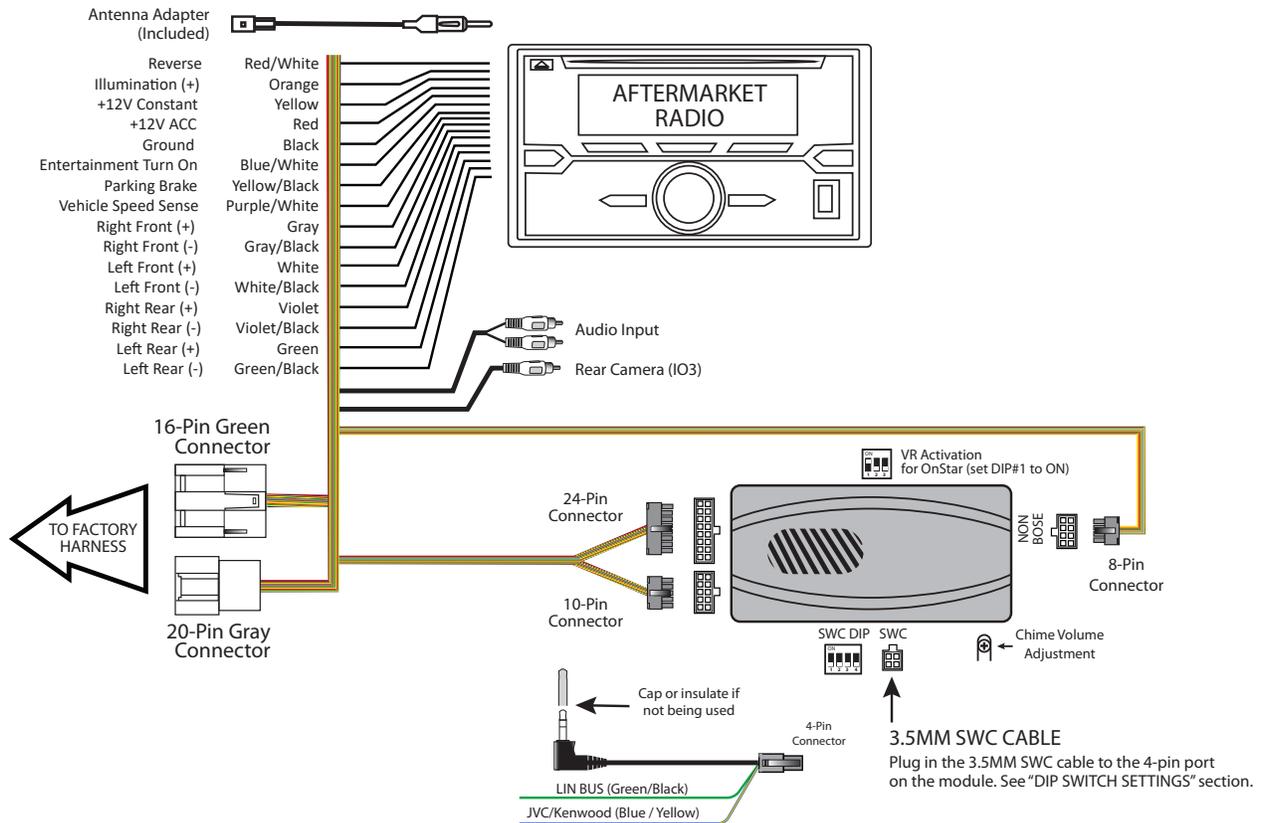


SWC CABLE



ANTENNA ADAPTER

INSTALLATION DIAGRAM:



AUDIO CONNECTION:

Plug in the 8-pin Molex connector of the SOOGM-19L harness to the Black, NON BOSE, port of the module.

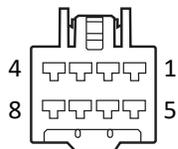


BOSE AMPLIFIER BYPASS:

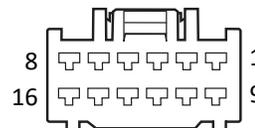
For vehicles equipped with a factory Bose amplifier, extend the speaker wires of the SOOGM-19L harness and connect to the Bose amplifier output wires. Locate the Bose amplifier to find out how much speaker wires is necessary. The Bose amplifier is located as follows: (NOTE: Bose amplifiers are commonly found in the locations listed below but the manufacturer can mount it elsewhere. Installer should verify the location before installation.)

Trucks = Center of the rear wall / SUVs = Center console or in the cargo space / Sedans = Rear deck or Trunk area

Pinout for the 8 and 16 pin OEM Bose amplifier connectors:



Pin #	Wire Color	Description
1	Dark Blue / Grey	Subwoofer +
2	Yellow	Right Front Speaker +
3	Dark Blue	Left Front Speaker +
4	Red / Yellow	Constant +12V
5	Grey / Black	Subwoofer -
6	Yellow / Black	Right Front Speaker -
7	Brown / Dark Blue	Left Front Speaker -
8	Black	Ground



Pin #	Wire Color	Description
4	Brown / Light Green	Right Front Tweeter +
5	Yellow / Dark Blue	Left Front Tweeter +
6	White	Right Rear Speaker +
7	Light Green	Left Rear Speaker +
12	Purple / Brown	Right Front Tweeter -
13	Yellow / Grey	Left Front Tweeter -
14	Dark Blue / Black	Right Rear Speaker -
15	Light Green / Black	Left Rear Speaker -

CHIME VOLUME ADJUSTMENT:

The SOOGM-19L has a potentiometer to adjust the chime volume. It is set at half way by default. To adjust the volume, simply use a suitable screw driver and turn the potentiometer clockwise to increase the volume and counter-clockwise to decrease the volume.



ONSTAR VOLUME ADJUSTMENT:

To adjust the OnStar volume, turn on OnStar and adjust the volume using the SWC volume adjustment. There are 4 steps of volume control. Once it is set, the SOOGM-19L will memorize this level.



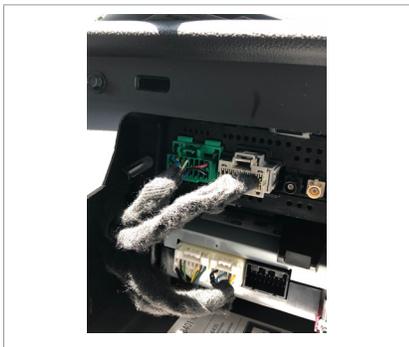
INSTALLATION INSTRUCTIONS:

1. Connect the aftermarket radio's power/speaker harness to the SOOGM-19L T-Harness using the Installation Diagram on page 1. Use good quality crimp caps or butt splice for a secure connection. Solder and heat shrinking the connections is highly recommended.

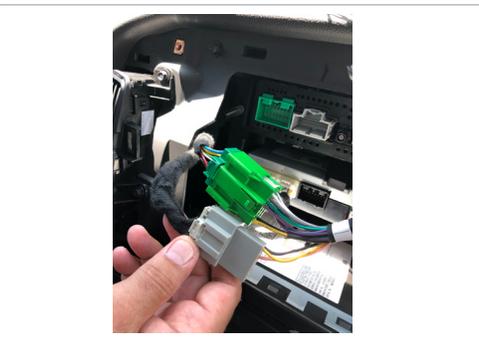


2. Carefully remove the radio trim with a plastic pry tool and pull outward.

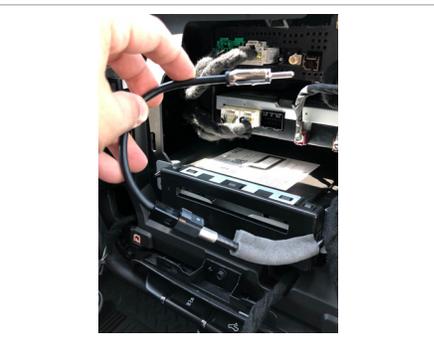
3. Remove the radio bezel by removing the 4 screws on the corners.



4. Unplug the GREEN and GRAY connectors from the headunit.

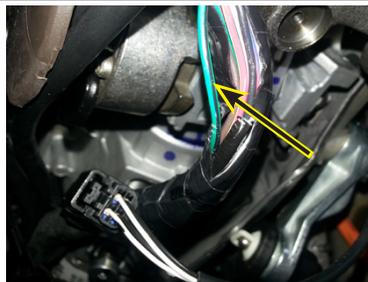


5. Plug the GREEN and GRAY connectors to the SOOGM-19L T-Harness.



6. Use the supplied antenna adapter to plug between the OE antenna connector and aftermarket radio antenna port.

7. Remove plastic trim under the steering wheel column and locate a GREEN/BLACK wire in the bundle. Tap the GREEN/BLACK from the SWC Cable. We recommend soldering the wires together for a reliable connection.



8. Use a dash kit (not included) for a clean install. Test the radio for functionality. Test the chime and Retained Accessory Power (RAP) functions. Reverse the process to install the new aftermarket radio.

OEM CAMERA RETENTION:

The SOOGM-19L is prewired with an RCA connector to retain the OEM camera on vehicles with a IO3 system. To retain the OEM camera on IO4, IO5 and IO6 systems, you will need connect an RCA cable to the 12-pin connector on the HMI module found either by the passenger kick panel or behind the glove box. Connect the RCA as follows:

- HMI Connector
- PIN 5 = Gray/Yellow to RCA positive
- PIN 6 = White/Blue to RCA shield

We recommend soldering and heat shrinking these wires for a secure connection.



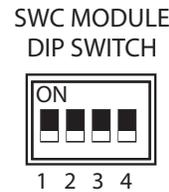
Pin 6 White/Blue Pin 5 Gray/Yellow



DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3	4
Atoto, Dual, Fahrenheit, Jensen,		OFF	OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	OFF	ON	ON
Blaupunkt, Most off-brand Radio		OFF	OFF	ON	ON
Alpine		OFF	OFF	OFF	OFF
Clarion		OFF	ON	ON	OFF
Kenwood		OFF	ON	ON	ON
JVC		OFF	ON	OFF	ON
Boss, Old Sony		OFF	ON	OFF	OFF
New Sony		OFF	OFF	ON	OFF



NOTE: For Atoto, Blaupunkt, Dual, Fahrenheit, Power Acoustik, Soundstream, and most off-brand radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.

3.5MM SWC CABLE

Plug in the 3.5MM to 4-Pin SWC cable to the SWC module.

NOTE: Cap or Insulate the 3.5mm plug and Blue/Yellow wire if not being used.

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable (option B) and connect the SWC wires as follows:



Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

VEHICLE APPLICATIONS:

BUICK

2017 ENVISION
2016 LACROSSE
2014-2015 REGAL

CADILLAC

2015-2016 ATS
2014-2015 CTS
2015 ESCALADE
2015-2016 SRX
2017 XT5

CHEVROLET

2016-2018 CAMARO (with 8" IO5/IO6)
2018 CAMARO (with 7" iOB)
2015-2016 COLORADO
2016 - 2017 CRUZE
2018 CRUZE (with 7" iOB)
2014-2016 IMPALA Non Classic (with 8" IO5/IO6)
2017-2019 IMPALA (with 8" IO5/IO6)
2016 MALIBU Non Classic
2017-2018 MALIBU
2014-2017 SILVERADO
2018 SILVERADO (with 7" iOB)
2018 SILVERADO (with 8" IO5/IO6)
2019 SILVERADO Classic (with 7" iOB)
2019 SILVERADO Classic (with 8" IO5/IO6)
2015-2019 SILVERADO HD
2017 SONIC
2015, 2018 SPARK
2015-2019 SUBURBAN
2015-2019 TAHOE

GMC

2017 ACADIA (with 8" IO5/IO6)
2015-2016 CANYON
2014-2016 SIERRA
2017 SIERRA (with 7" iOB)
2017-2018 SIERRA (with 8" IO5/IO6)
2015-2017, 2019 SIERRA HD
2015-2019 YUKON
2015-2017, 2019 YUKON XL

NOTE:

- Does not retain Bose amplifier.

