

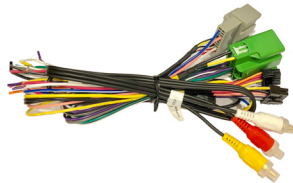
## PRODUCT FEATURES:

- 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

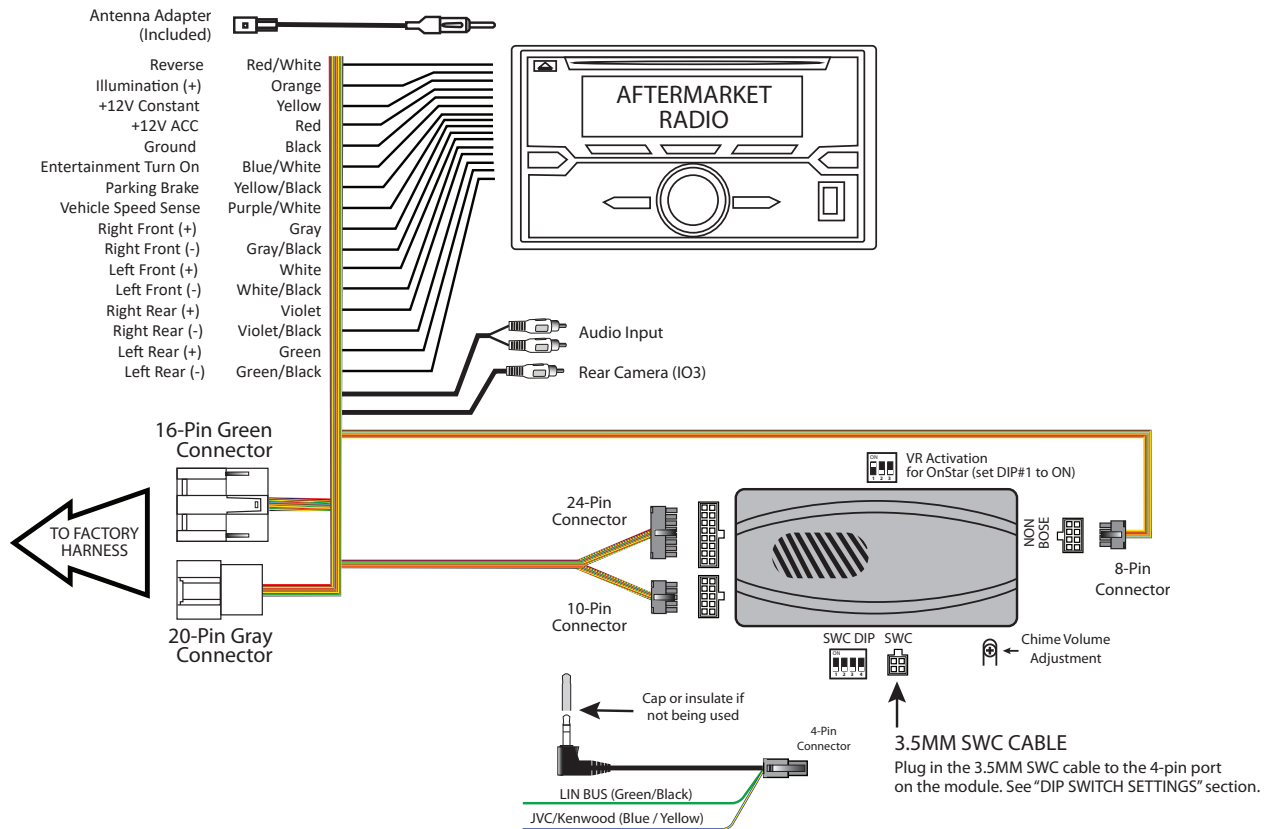


SWC CABLE



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.

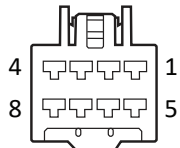


**BOSE AMPLIFIER BYPASS:**

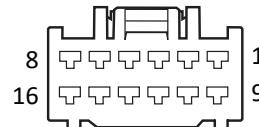
For vehicles equipped with a factory Bose amplifier, extend the speaker wires of the SOOGM-19L harness and connect to the Bose amplifier output wires. Locate the Bose amplifier to find out how much speaker wires is necessary. The Bose amplifier is located as follows: (NOTE: Bose amplifiers are commonly 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:



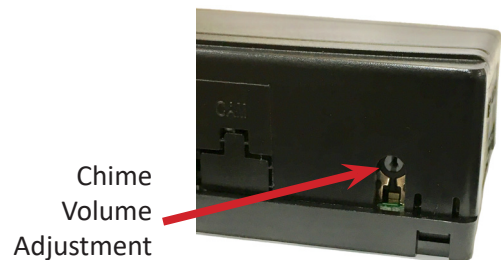
Pin #	Wire Color	Description
1	Dark Blue / Grey	Subwoofer +
2	Yellow	Right Front Speaker +
3	Dark Blue	Left Front Speaker +
4	Red / Yellow	Constant +12V
5	Grey / Black	Subwoofer -
6	Yellow / Black	Right Front Speaker -
7	Brown / Dark Blue	Left Front Speaker -
8	Black	Ground



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.



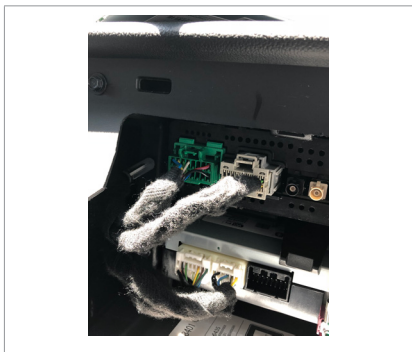
**INSTALLATION INSTRUCTIONS:**

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.

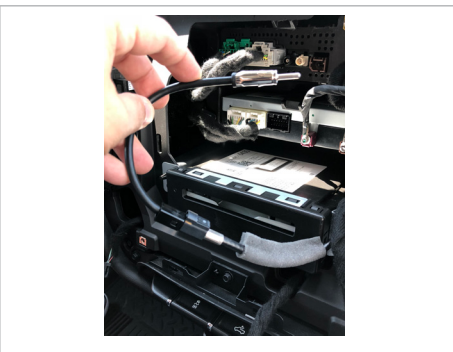
3. Remove the radio bezel by removing the 4 screws on the corners.



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

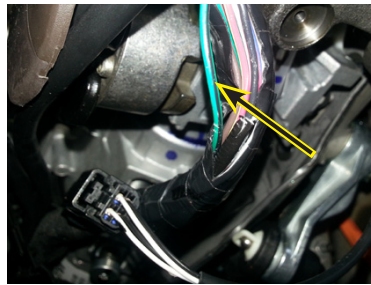


5. Plug the GREEN and GRAY connectors to the SOOGM-19L T-Harness.



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.



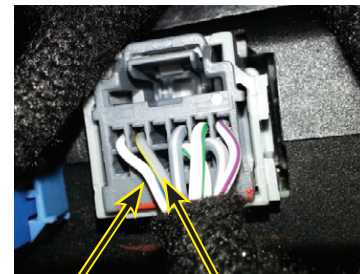
8. Use a dash kit (not included) for a clean install. Test the radio for functionality. Test the chime and Retained Accessory Power (RAP) functions. Reverse the process to install the new aftermarket radio.

**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

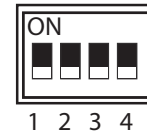


**DIP SWITCH SETTINGS:**

**AFTERMARKET RADIO DIP SWITCH SETTINGS:**

RADIO BRAND:	DIP:	1	2	3	4
Dual, Fahrenheit, Jensen, Pioneer		OFF	OFF	ON	ON
Power Acoustik, Soundstream		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

SWC MODULE  
DIP SWITCH



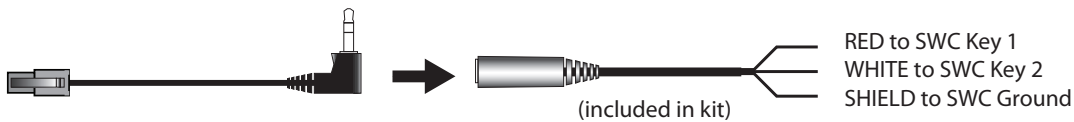
**3.5MM SWC CABLE**

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

NOTE: Insulate the Blue/Yellow wire if not being used.

**SWC 3.5MM PLUG ADAPTER:**

Use the supplied 3.5MM SWC Plug adapter for aftermarket radios that do not have a 3.5mm SWC jack.



**VEHICLE APPLICATIONS:**

**BUICK**

- 2015-2016 ENCORE
- 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" Screen (IO5/IO6))
- 2018 CAMARO (with 7" Screen (IOB))
- 2015-2016 COLORADO
- 2016 CRUZE
- 2018 CRUZE (with 7" Screen (IOB))
- 2014-2016 IMPALA
- 2016 MALIBU
- 2018 MALIBU (with 7" Screen (IOB))
- 2018 MALIBU (with 8" Screen (IO5/IO6))
- 2014-2017 SILVERADO
- 2018 SILVERADO (with 7" Screen (IOB))
- 2018 SILVERADO (with 8" Screen (IO5/IO6))
- 2015-2017 SILVERADO HD
- 2016 SONIC
- 2015, 2018 SPARK
- 2015-2018 SUBURBAN
- 2015-2018 TAHOE

**GMC**

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



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