

PRODUCT FEATURES:

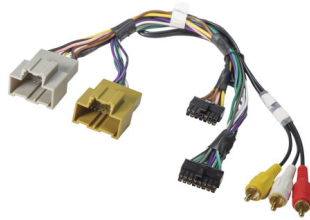
- Retains factory features in select GM IOA & IOB vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- iPhone Voice Recognition (VR) feature from SWC on select radios.
- Supports Pick Up/End Call, Pick up and Toggle between 1st and 2nd incoming call, AVRCP Track, Seek.
- Supports Non Amplified Systems
- Retains factory OnStar[®]
- Retains chime functions.
- Retains factory backup camera.*
- Retains factory backup sensors / park assist system.
- EIA color coded wiring for easy installation.

NOTE: Does not retain the factory backup camera on models that show the camera image on the rear-view mirror.

PARTS INCLUDED:



SOOGM-16K MODULE



SOOGM-16K HARNESS

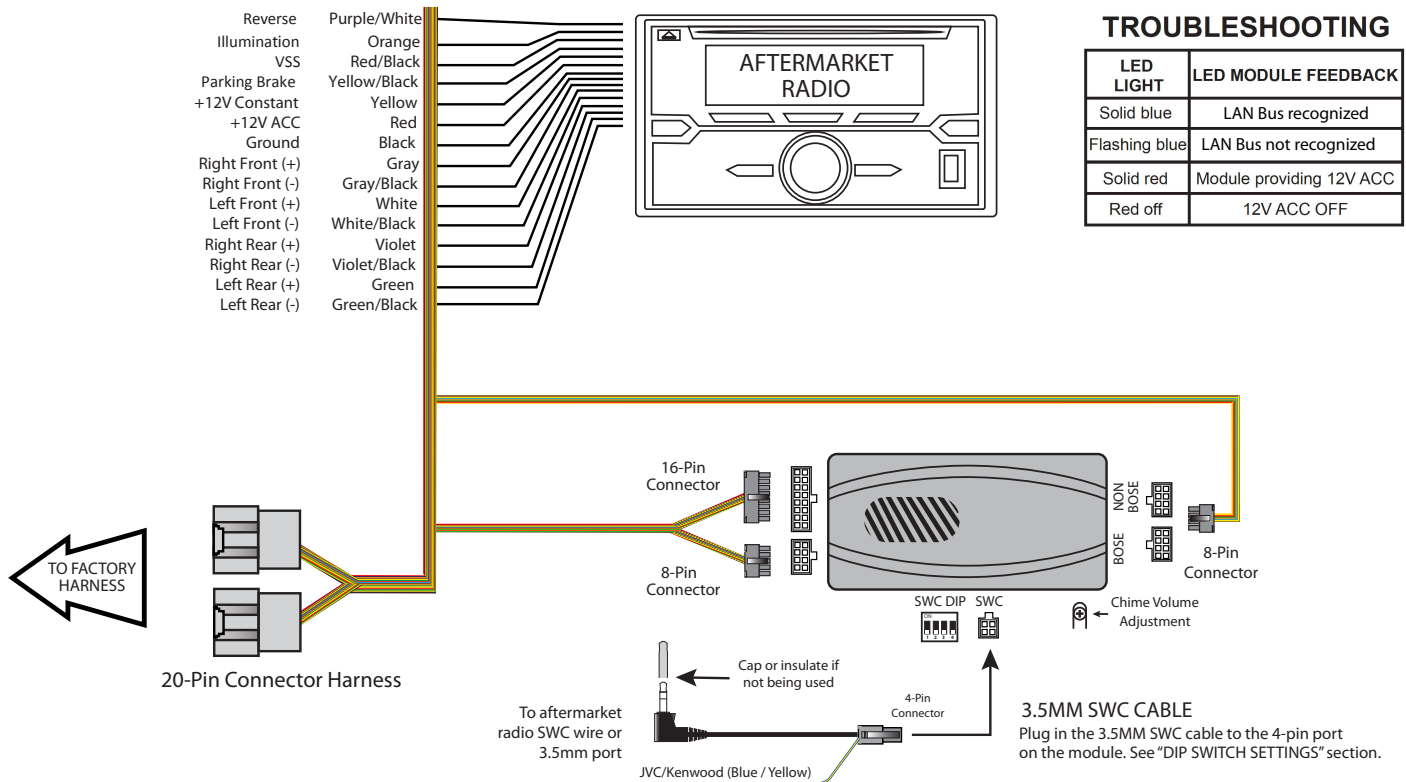


SWC CABLES



ANTENNA ADAPTER

INSTALLATION DIAGRAM:



TROUBLESHOOTING

LED LIGHT	LED MODULE FEEDBACK
Solid blue	LAN Bus recognized
Flashing blue	LAN Bus not recognized
Solid red	Module providing 12V ACC
Red off	12V ACC OFF

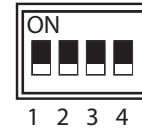


DIP SWITCH SETTINGS:

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

SWC MODULE
DIP SWITCH



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.

4-PIN SWC CABLE

Use the proper 3.5MM to 4-Pin SWC cable for the aftermarket radio you are using.

OPTION A is used for ALPINE, CLARION, JVC, and KENWOOD units (Blue/Yellow wire is attached)
OPTION B is used for BLAUPUNKT, BOSS, DUAL, FARENHEIT, JENSEN, POWER ACOUSTIK, PIONEER, SONY, SOUNDSTREAM and Most Off-Brand Radios.

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

Plug the SWC cable to the SOOGM-16K module and the 3.5mm plug to the aftermarket radio SWC port or use the Blue/Yellow wire for JVC and Kenwood radios.

SELECTING THE AUDIO SYSTEM:

If the vehicle is equipped with an amplified audio system, the SOOGM-16K has a built-in audio level adaptor that outputs the proper audio level from the aftermarket radio to the factory amplifier. To use this feature, plug in the male 8-pin connector on the SOOGM-16K harness to the GRAY female 8-pin connector on the SOOGM-16K module. The module is also labeled "Bose" and "Non Bose" to avoid confusion. (see picture below)

If the vehicle is NOT equipped with a factory amplified system, plug in the male 8-pin connector to the BLACK female 8-pin on the SOOGM-16K module.



NON BOSE
(Non-Amplified)
Connection

BOSE
(Amplified)
Connection



BACKUP CAMERA TROUBLESHOOTING:

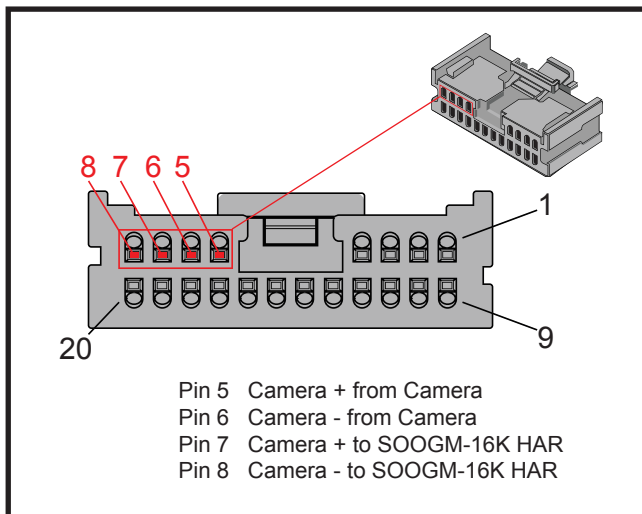
Problem: The aftermarket radio does not show the reverse camera image when the vehicle is in reverse.

NOTE: Some vehicles, the reverse camera image is first displayed on the radio display before appearing on the radio.

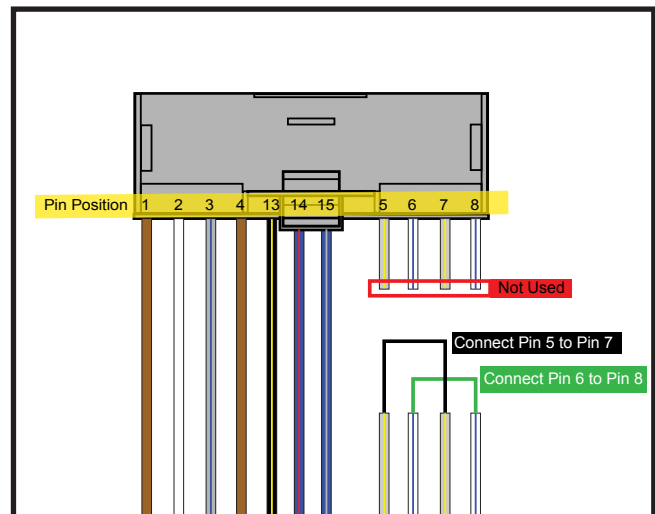
Solution: Connect the camera input and output wires together using the radio display harness.

1. Locate pins 5, 6, 7, and 8 on the Gray 20-pin harness situated at the rear of the radio display (refer to Figure 1).
2. Cut the wires connected to pins 5, 6, 7, and 8 near the connector, while ensuring sufficient wire length remains for potential reconnection if the original radio is reinstalled.
3. The loose, severed wires originating from the connector are not required. However, the remaining cut wires within the harness must be interconnected as follows (see Figure 2):
4. Join Pin 5 to Pin 7.
5. Then also join Pin 6 to Pin 8.
6. Establish a connection between the Reverse Camera output connector of the SOOGM-16K HAR and the Reverse Camera input on the aftermarket radio

20 Pin Radio Display Connector (Pin Side View)



20 Pin Radio Display Connector (Top View)



CHIME VOLUME ADJUSTMENT:

The SOOGM-16K 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.

Chime
 Volume
 Adjustment



ONSTAR VOLUME ADJUSTMENT:

To adjust the OnStar volume, turn on OnStar and adjust the volume using the Steering Wheel Control volume adjustment. Once it is set, the SOOGM-16K will memorize this level.

VEHICLE APPLICATIONS:

CHEVROLET

- 2016-2018 Chevrolet Camaro With 7" Screen (IOB)
- 2016-2017 Chevrolet Cruze With 7" Screen (IOA)
- 2018 Chevrolet Cruze With 7" Screen (IOB)
- 2016-2017 Chevrolet Malibu With 7" Screen (IOA)
- 2018 Chevrolet Malibu With 7" Screen (IOB)
- 2016-2018 Chevrolet Silverado With 7" Screen (IOB)
- 2019 Chevrolet Silverado Classic With 7" Screen (IOB)
- 2016-2017 Chevrolet Silverado HD With 7" Screen (IOB)
- 2017 Chevrolet Sonic With 7" Screen
- 2017-2018 Chevrolet Spark With 7" Screen
- 2017 Chevrolet Trax With 7" Screen (IOA)

GMC

- 2017 GMC Acadia With 7" Screen (IOB)
- 2016-2017 GMC Sierra With 7" Screen (IOB)
- 2016-2017 GMC Sierra HD With 7" Screen (IOB)



2017 Chevy Silverado with 7" Display

