



SWRHN-62R

Radio Replacement with SWC & Multi-angle Backup & Lane Watch Camera
Retention for Select HONDA Vehicles 2016-2020

PRODUCT MANUAL
VER.100826

CONTACT

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PRODUCT FEATURES:

- Retains factory features in select Honda vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Provides navigational outputs: Reverse, Illumination, Parking Brake, Vehicle Speed Sense & Lanewatch Camera Outputs.
- Retains factory Multi-Angle Rear View Camera & Lanewatch Camera, & Auxiliary Input.
- Includes antenna adapter & USB retention cable.

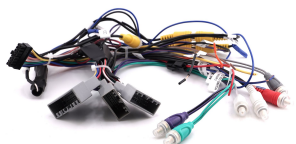
NOTES:

1. Supports both Amplified & Non-amplified vehicles.
2. Does not retain Rear Seat Entertainment system (RSE).
3. Includes Crux Video Switcher to Lanewatch and rear view camera retention.
4. If vehicle does not have Lanewatch camera interface can still be used

PARTS INCLUDED:



SWRHN-62R Module



SWRHN-62R Harness



SWC Cable



USB Cable



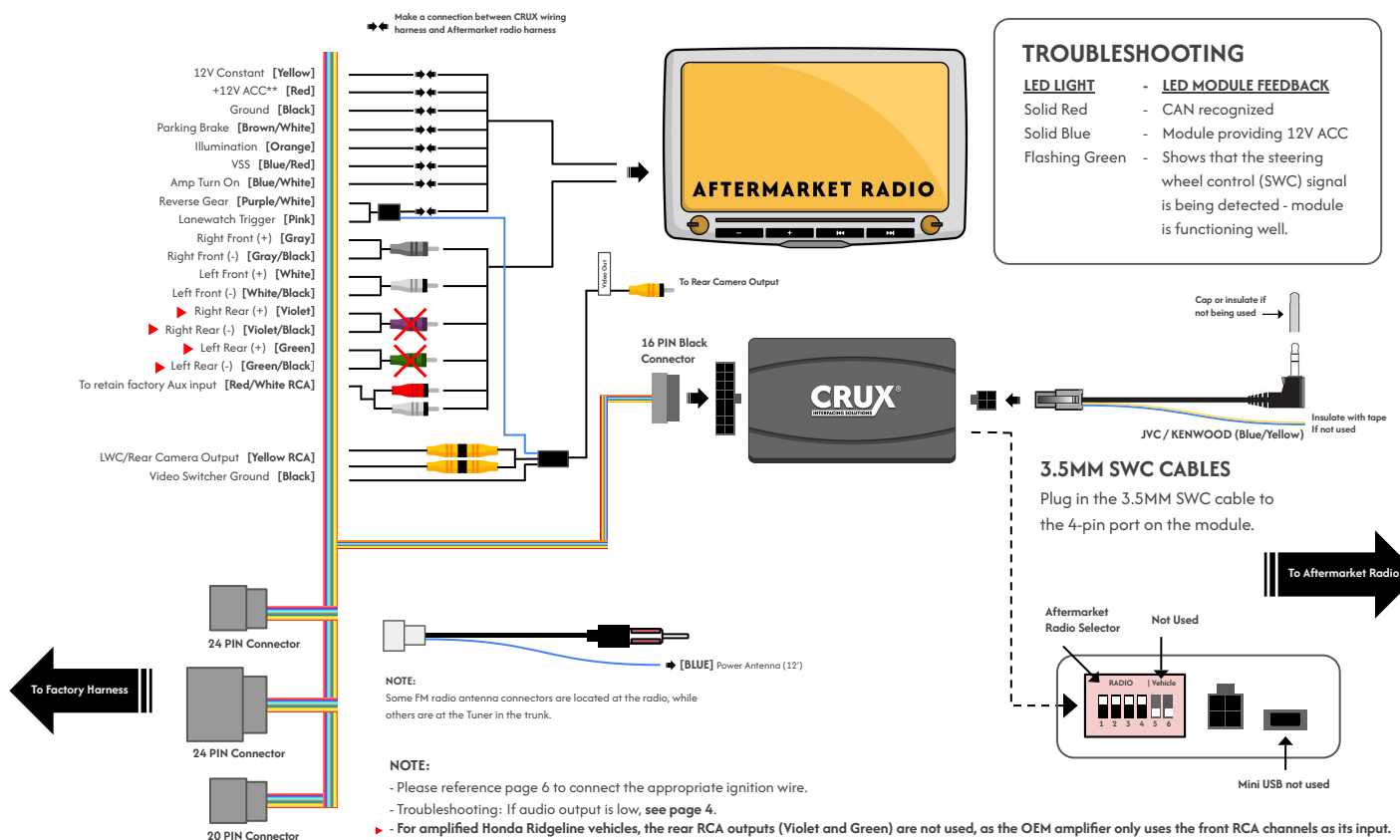
Antenna Adapter 12'



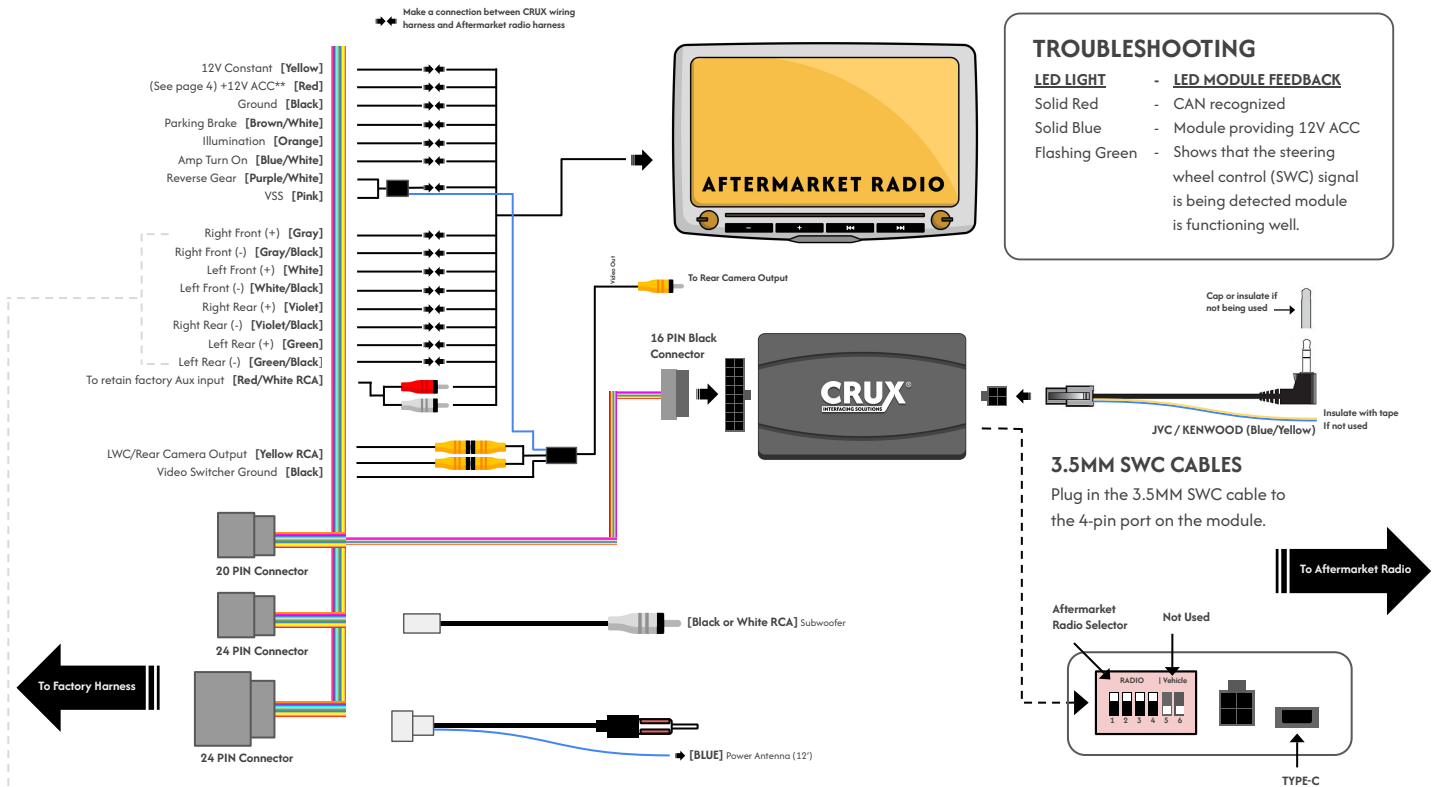
Subwoofer RCA

NOTE:
Subwoofer RCA is only used for
Non-Amplified vehicles

INSTALLATION DIAGRAM FOR AMPLIFIED RIDGELINE VEHICLES:



INSTALLATION DIAGRAM FOR NON-AMPLIFIED RIDGELINE VEHICLES:



TROUBLESHOOTING

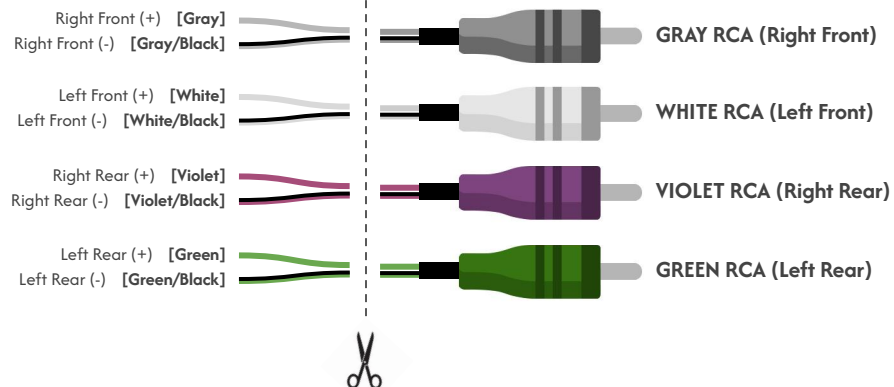
LED LIGHT

Solid Red
Solid Blue
Flashing Green

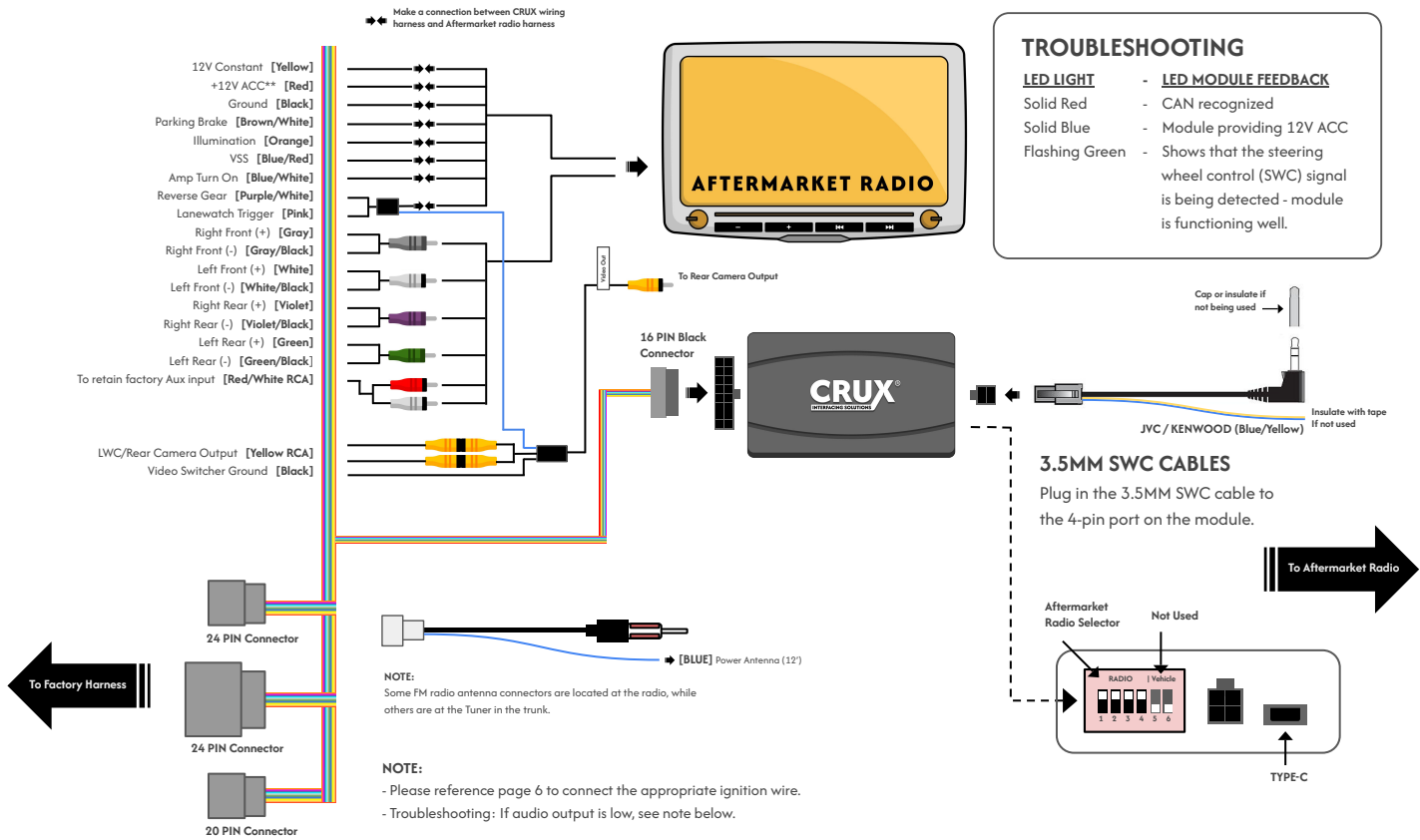
LED MODULE FEEDBACK

- CAN recognized
- Module providing 12V ACC
- Shows that the steering wheel control (SWC) signal is being detected module is functioning well.

***For Non-Amplified systems please cut RCA, and mate colored wires to the appropriate aftermarket radio speaker wires**



INSTALLATION DIAGRAM FOR AMPLIFIED PILOT VEHICLES:



TROUBLESHOOTING: LOW AUDIO OUTPUT

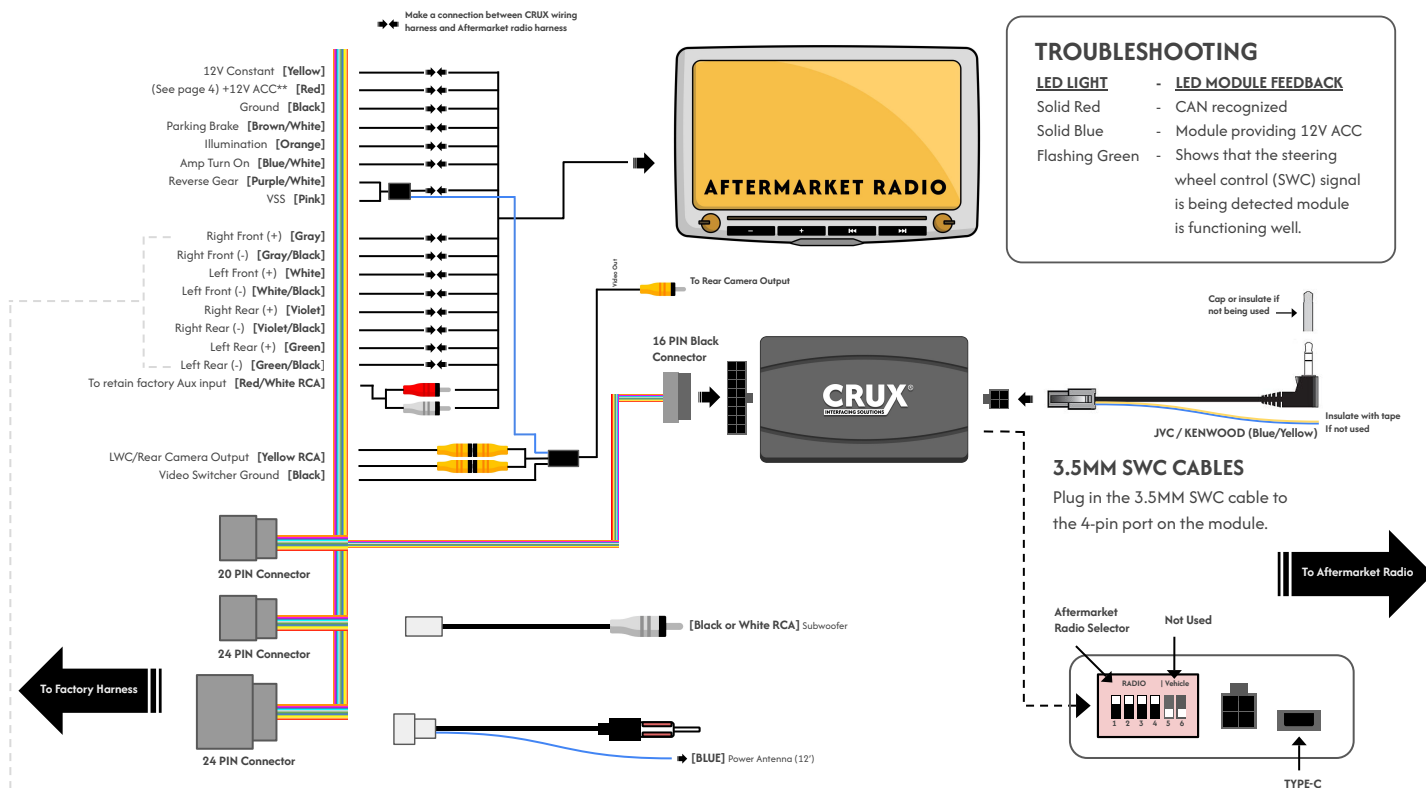
Some aftermarket head units may have a low RCA output voltage, which can result in low audio output. To compensate for this, we recommend using the **CRUX LOC-1** (not included in the kit) to increase the RCA signal level.

Scan the QR code to access the troubleshooting instructions and High-to-Low Level Converter (LOC-1) connection diagram. The instructions provide the recommended connection method for converting the aftermarket radio's speaker-level output to the appropriate signal for the factory amplified audio system.

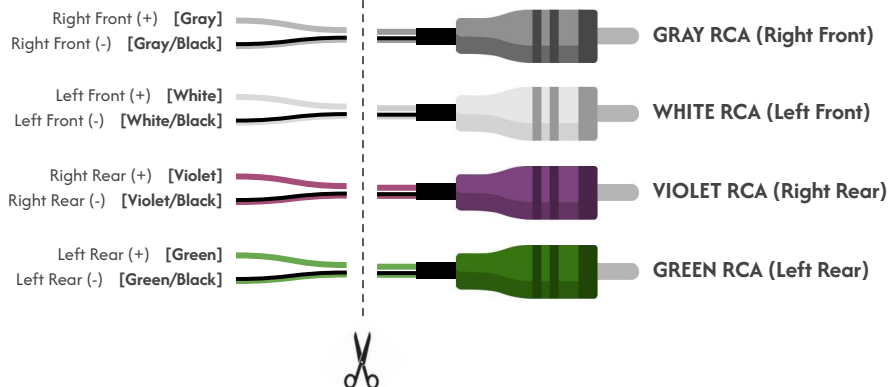
Follow the connection instructions if the audio remains low even when the aftermarket radio volume is turned up.



INSTALLATION DIAGRAM FOR NON-AMPLIFIED PILOT VEHICLES:

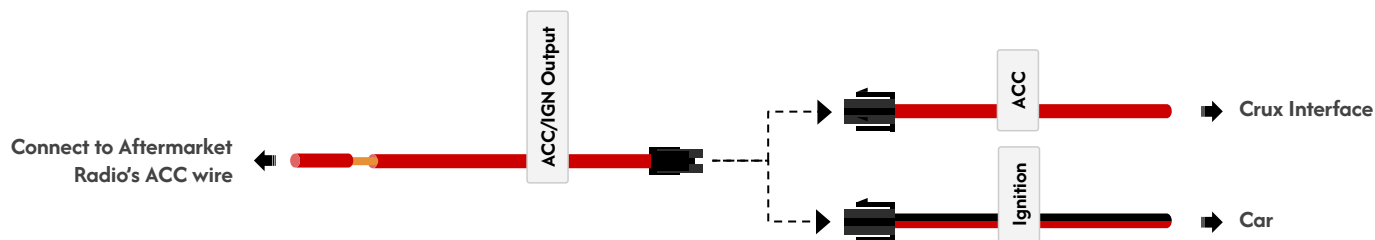


***For Non-Amplified systems please cut RCA, and mate colored wires to the appropriate aftermarket radio speaker wires**

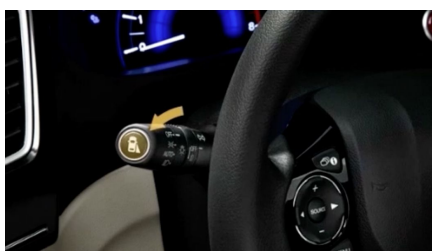


ALTERNATIVE ACCESSORY POWER TROUBLESHOOTING:

*NOTE: If you are experiencing issues with **Accessory Power** from the module, connect the provided alternative power wire to the CRUX connector and then to the aftermarket radio.*



NOTE: LWC SWITCH



Press the Force LWC switch (push button located on the turn signal switch) to manually activate the LWC camera view.

Note: The LWC function will be automatically overridden when the vehicle is shifted into Reverse.

ANTENNA ADAPTER LOCATION

The antenna connection location varies by model year and radio configuration. Refer to the breakdown below to identify the correct antenna port location:

- 2020–2021: Radio has no volume knob. Antenna port is located at the rear of the vehicle.
- 2017–2020: Radio has no volume knob. Antenna port is located at the radio.

Note: 1. Verify the antenna port location before installation and connect the antenna adapter to the appropriate port.
2. The antenna adapter cable is 12 ft. long to accommodate applications where the antenna connection is located at the rear of the vehicle. For applications with the antenna connection located behind the radio, excess cable length will remain and can be neatly secured behind the radio.

DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3	4
Atoto, Dual, Farenheit, Jensen, Nakamichi		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 (with CarPlay)		OFF	OFF	ON	OFF
SWC Learning Radios*		ON	OFF	OFF	ON
New Boss		ON	OFF	ON	OFF

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

** For SWC Learning Radios specific steps are required. Please scan the QR code on the right.*

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:



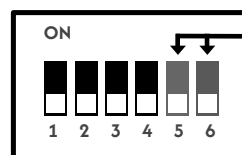
Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

SWC TROUBLESHOOTING OPTION



Located internally, need to take plastic casing off module

If Steering Wheel Controls don't work or work properly, please switch internal DIP switch from 3v3 to 5v as shown in picture above.



NOTE:
DIP Switches
5-6 are not used



Troubleshooting for SWC Learning Radios

AUDIO CONNECTIONS

HONDA RIDGELINE:

Use the Front Left (White) and Front Right (Gray) audio connections only. The Rear Left (Green) and Rear Right (Violet) connections are not used.

HONDA PILOT:

All four audio channels must be connected:

Front Left — White / White-Black

Front Right — Gray / Gray-Black

Rear Left — Green / Green-Black

Rear Right — Violet / Violet-Black

AMPLIFIED VEHICLES: Connect the RCA plugs to the corresponding Front and Rear RCA preamp outputs of the aftermarket radio.

NON-AMPLIFIED VEHICLES: Cut off the applicable RCA plugs as shown and connect the colored speaker wires to the corresponding speaker outputs of the aftermarket radio.

MULTI-ANGLE REAR VIEW CAMERA:



The Crux SWRHN-62R retains the factory Multi-Angle Rearview Camera functionality. Use the **FACTORY SOURCE** button on the steering to switch between the available camera views. Follow steps below.



Place vehicle in reverse for **DEFAULT** camera view.



For wide angle view press **SOURCE** button for 1 second.



For top down camera view press **SOURCE** button for 1 second.

VEHICLE APPLICATIONS:

YEARS	MAKE	MODEL
2017 - 2020	HONDA	RIDGELINE RTL-T with LaneWatch Camera (8" Screen)
2016 - 2018	HONDA	PILOT* EX/EX-L/Touring

NOTE:

- Includes Models Equipped with the Factory Touchscreen AND/OR Factory Navigation.
 - The Ridgeline RTL-E (8" OEM Screen) and Black Edition (8" OEM Screen) are **NOT** equipped with a LaneWatch camera and will require the SWRHN-62RW product.

*2017–2019 Ridgeline RT/RTS/Sport/RTL models are equipped with 5" OEM screen must use SWRHN-62HV.

*2016–2018 Pilot LX models are equipped with 5" OEM screen must use SWRHN-62HV.

*2016–2018 Pilot Elite models are not equipped with Honda LaneWatch; they use Blind Spot Information with Cross Traffic Monitor instead.