

## 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.

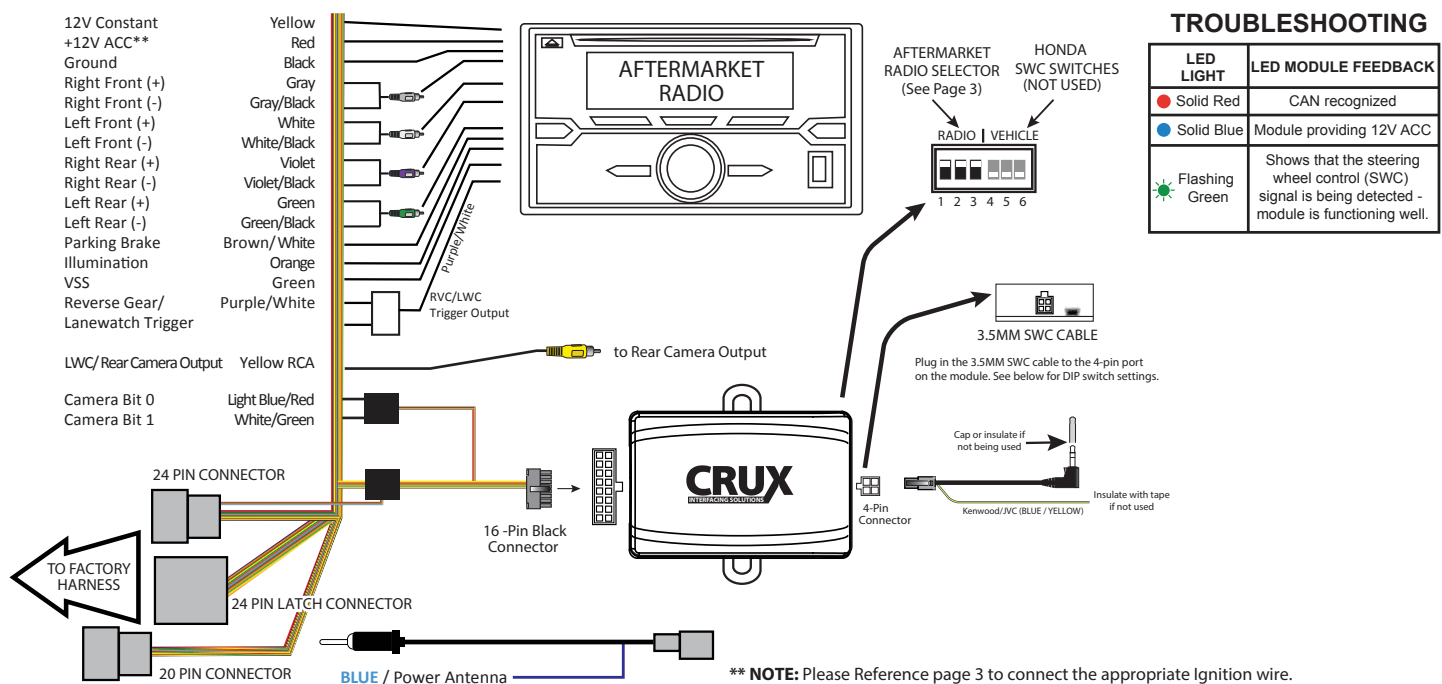
## NOTES:

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.
3. If vehicle does not have Lanewatch camera interface can still be used.

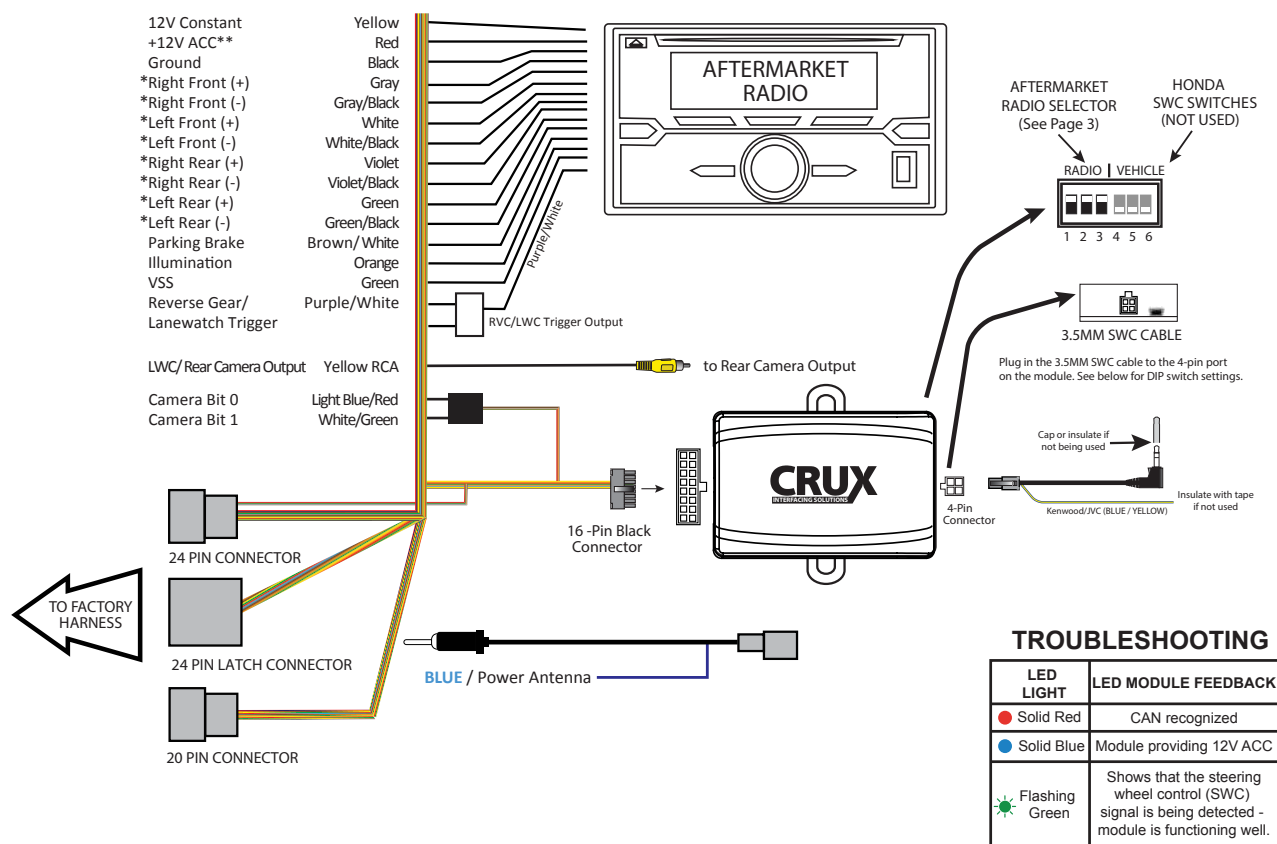
## PARTS INCLUDED:



## INSTALLATION DIAGRAM FOR AMPLIFIED VEHICLES WITH LANE WATCH CAMERA:

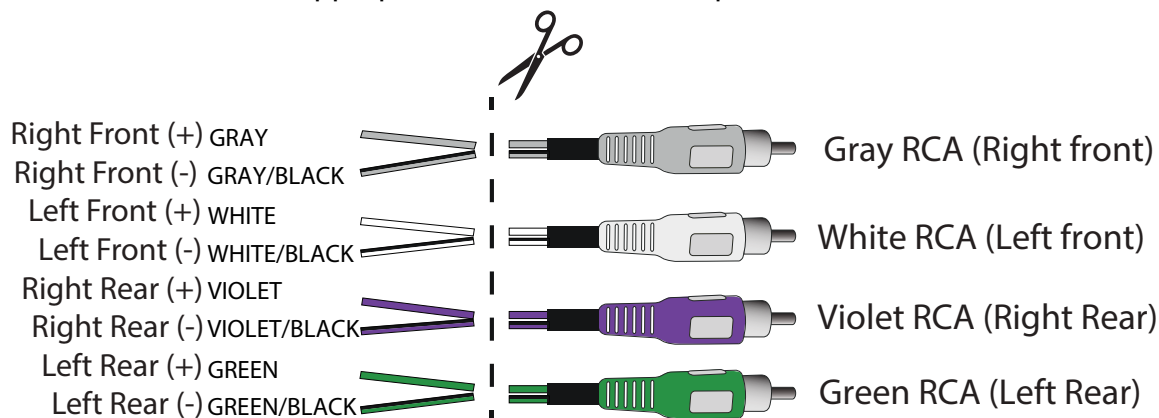


### INSTALLATION DIAGRAM FOR NON-AMPLIFIED VEHICLES WITH LANE WATCH CAMERA:



**\*\* NOTE:** Please Reference page 3 to connect the appropriate Ignition wire.

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



## ALTERNATIVE ACCESSORY POWER TROUBLE SHOOTING:

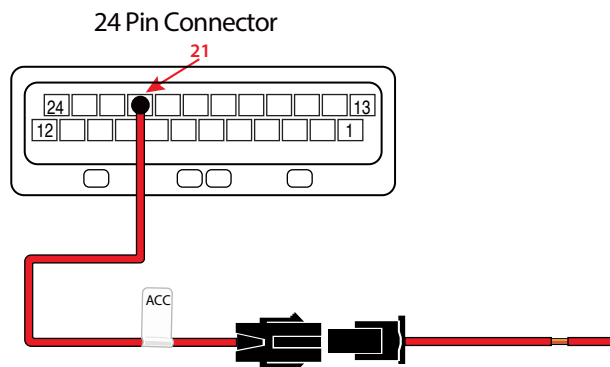
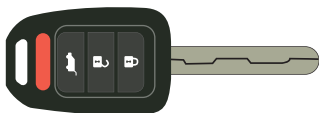
**Note:** If you are experiencing issues with accessory power from the module, connect the provided alternative power wire to the CRUX connector and then to the aftermarket radio



## HARNESS VIEW

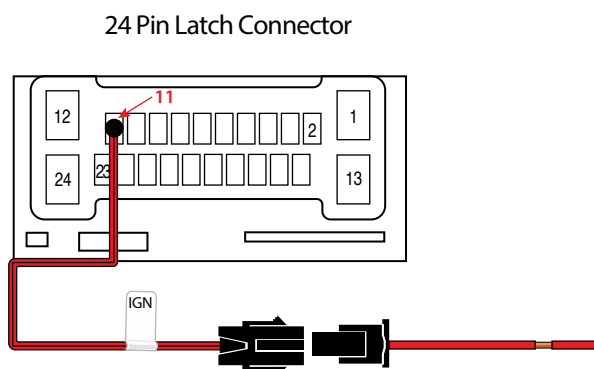
### For Vehicles with STANDARD KEY

If your vehicle uses a regular key, connect the red accessory wire using the 2-pin female Molex connector to the matching 2-pin male Molex connector as shown in the diagram, then connect the wire to the aftermarket radio.



### For Vehicles with PUSH START ignition

If your vehicle has a push-start button, connect the red/black Ignition ACC wire using the 2-pin female Molex connector to the matching 2-pin male Molex connector as shown in the diagram, then connect the wire to the aftermarket radio.

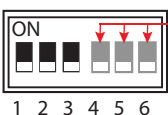


## DIP SWITCH SETTINGS:

### AFTERMARKET RADIO DIP SWITCH SETTINGS:

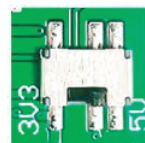
RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen, Nakamichi,		OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	ON	ON
Blaupunkt, Most off-brand Radio		OFF	ON	ON
Alpine		OFF	OFF	OFF
Clarion		ON	ON	OFF
Kenwood		ON	ON	ON
JVC		ON	OFF	ON
Boss, Old Sony		ON	OFF	OFF
New Sony (with CarPlay)		OFF	ON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

SWC MODULE  
DIP SWITCH



NOTE:  
DIP SWITCHES  
4 - 6 ARE NOT  
USED

#### SWC Troubleshoot 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:** For Atoto, Blaupunkt, Dual, Fahrenheit, 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.

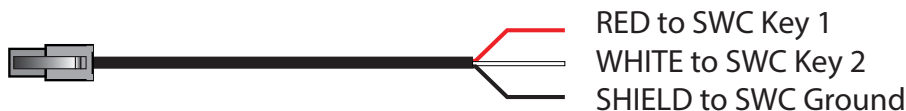
### 4-PIN SWC CABLE

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

OPTION A is used for ALPINE, CLARION. Use the Blue/Yellow wire for JVC and KENWOOD units.  
OPTION B is used for ATOTO, 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.

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:

2012- 2015 CIVIC HF/LX/EX/EX-L  
2012- 2015 CIVIC Si/Hybrid/Type-R  
2012- 2015 CIVIC EX-L/Si w/ NAV  
2012- 2015 CIVIC Hybrid/w/ NAV  
2015- 2015 CIVIC Touring w/ NAV  
2015- 2016 CRV LX (w/ 5" screen)

2015- 2016 CRV EX/EX-L/Touring (w/ 7" screen)  
2012- 2016 CRV EX-L w/ NAV (w/ 7" screen)  
2015- 2017 FIT EX (w/ 7" screen)  
2015- 2017 FIT EX-L (w/ 7" screen)  
2016- 2020 HRV EX/EX-L (w/ 7" screen)  
2016- 2020 HRV EX-L w/ Nav (w/ 7" screen)

NOTE: Auxiliary input cable will in limited applications, will not work w/ Display audio and NAV w/ Display Audio System  
Does not support base Honda Civic DX trim w/o SWC



## MULTI-ANGLE REAR VIEW CAMERA

The Crux SWRHN-62CV 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

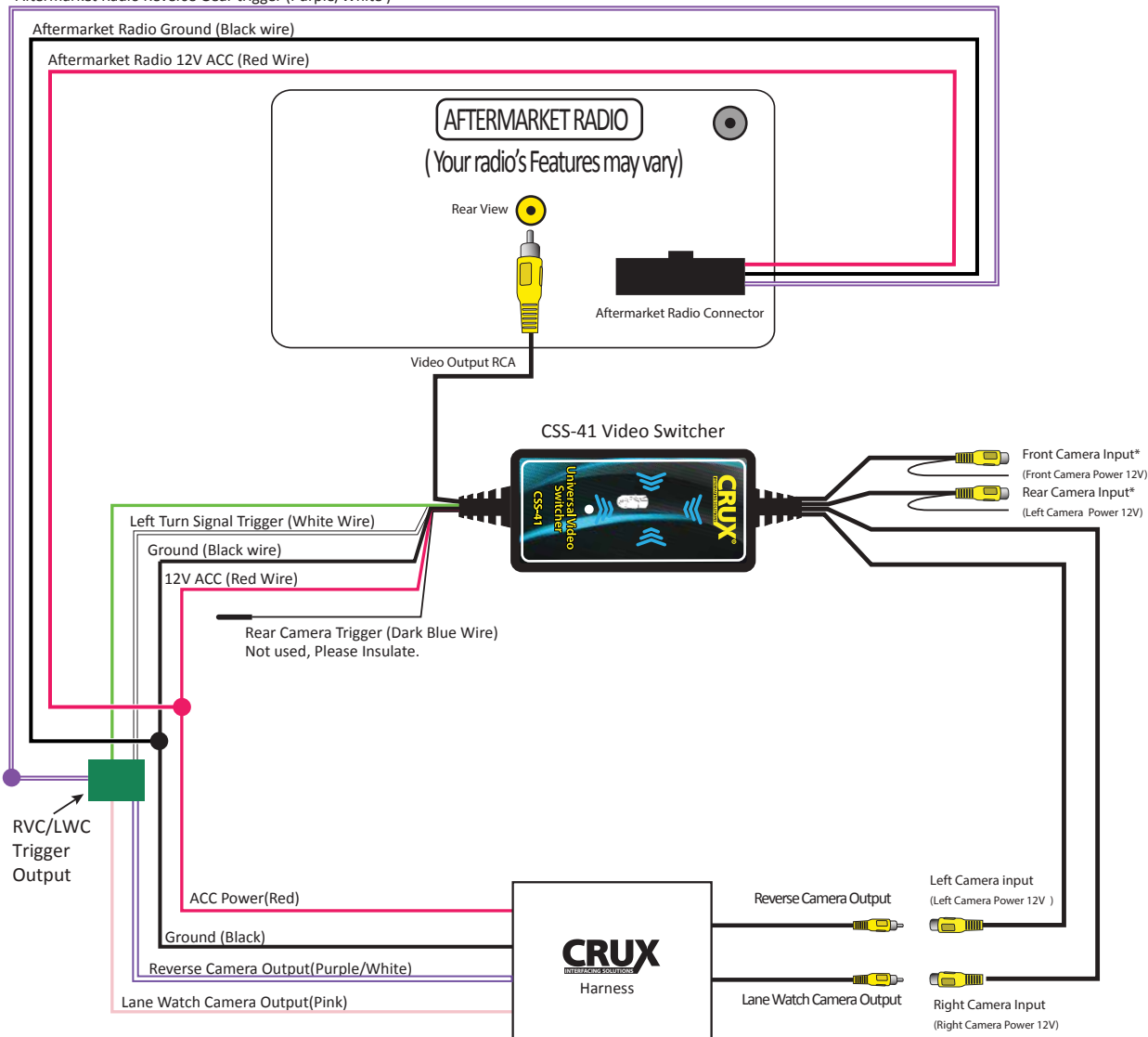


## LANE WATCH CAMERA RETENTION INSTALLATION:

Aftermarket Radio Reverse Gear trigger (Purple/White )

Aftermarket Radio Ground (Black wire)

Aftermarket Radio 12V ACC (Red Wire)



CSS-41 Video Switcher includes an RF remote control that can be used for forced viewing of the cameras.

### NOTE:

- The CSS-41's Red 12V Accessory wire and Black Ground wire should be connected to both the aftermarket radio's accessory and ground wires as well as the main harness accessory and ground wires—forming a three-way connection.
- Front Camera Input and Left Camera Input are not used to retain OEM lane watch camera, but can be used to add additional cameras
- CR2016 battery required for RF remote. Battery must be purchased separately.



## STEERING WHEEL CONTROL TROUBLE SHOOTING:

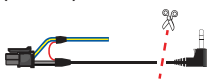
**Note:** Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

### If Interface has one SWR-100 Cable included

- 1 - Find the included SWC adapter cable.



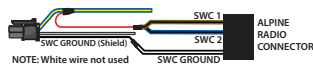
- 2 - **Prepare the SWC Cable:** Cut the SWC cable. You will find a red wire, a white wire, and a ground (shield) wire inside.



- 3 - **Adjust the Module Settings:** Set the module to the Pioneer dip switch setting. This configures the module to communicate correctly with the Alpine radio.

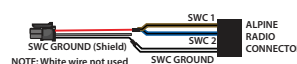
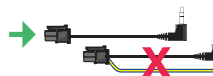
- 4 - **Configure the Alpine Radio:** On your Alpine radio, select the setting "Without an adapter" for SWC. This ensures the radio will recognize the steering wheel controls.

- 5 - **Connect the Wires:** Connect both the SWC1 and SWC2 wires from aftermarket radio to the red wire from our SWC cable. Connect the SWC ground wire to the shield (ground) wire of our SWC cable. These steps should enable the steering wheel controls on your Alpine iLX series radio.



### If Interface has two SWR Cables included

- 1 - **Identify appropriate SWC adapter cable.**  
Do not use cable with Blue / Yellow wire.



6. **Program the SWC:** Navigate to the SWC settings on your Alpine radio to assign and test each control function.

## 2012-2016 Honda Civic With factory Nav SWC bluetooth & CAN connections:

For 2012–2016 vehicles equipped with factory navigation, hardwired connections will be required. This is due to a different plug being used for the MS-CAN system & SWC system in navigation-equipped models.

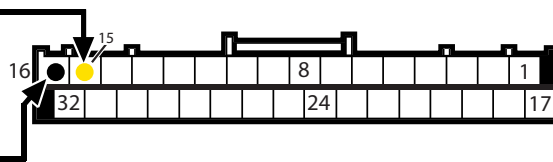
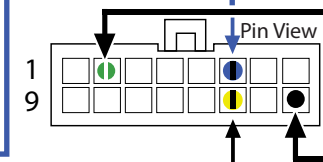
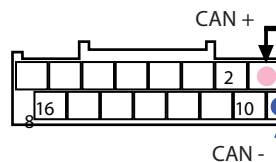
SWC Connections (1 of 2)

Tap Green/White Pin 2 wire from CRUX 16 pin molex harness to yellow or blue pin 15 wire from 32 Pin hands free control unit

Vehicle 16 Pin Connector

CRUX 16 Pin Molex Connector

Vehicle Handsfree Link Control 32 Pin Connector



CAN Connections

Tap pin 6 of crux molex connector Blue/Black wire to Pin 1 Pink wire of 16 pin vehicle connector and Pin 14 yellow/black wire on crux molex to pin 9 blue wire on vehicle 16 pin vehicle connector

SWC Connections (2 of 2)

Tap black pin 16 ground wire from 16 pin molex to pin 16 black ground wire from 32 Pin connector

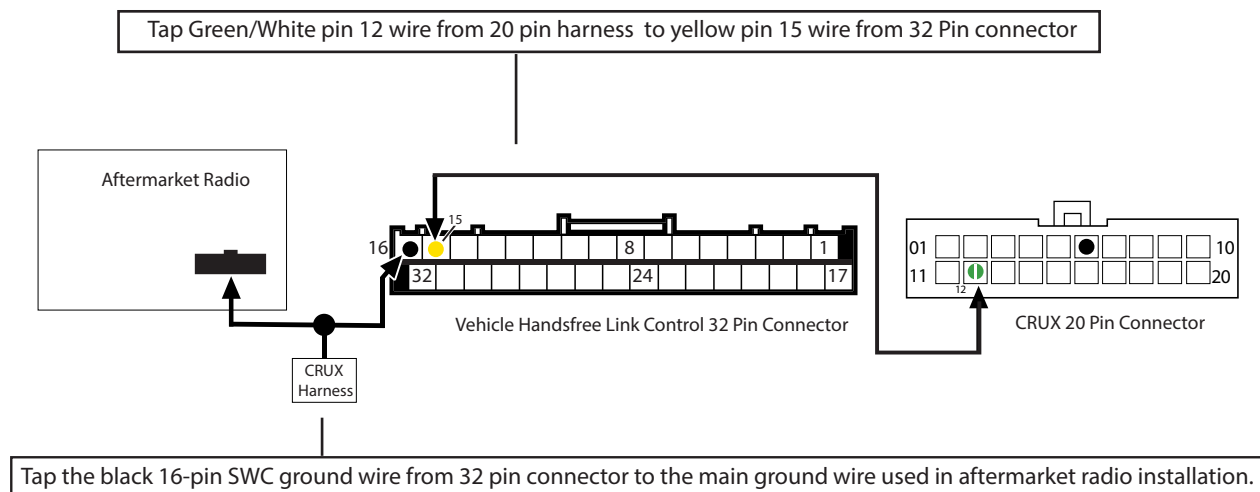
**NOTE:** Honda Civic 2012 bluetooth handsfree Link Control 32 pin connector is located above the glove box





**SWC BLUETOOTH TROUBLE SHOOTING (Continued):**

## CRV 7" Screen



**NOTE:** 2015 Honda CR-V SWC BT, bluetooth handsfree Link Control 32 pin connector is located behind the Gear shift

## FIT 5" & 7" Screen

