

PRODUCT FEATURES:

- Adds a reverse camera input, plus 5 video inputs, and an additional audio/video input.
- Uses the steering wheel control buttons to toggle between the sources.
- Turn signals automatically trigger the corresponding side camera.
- Turn signal camera trigger can be turned on or off by using the SWC button.

PARTS INCLUDED:



RFM-TYH Module



RFM-TYH Harness



CSV-TYH Highlander Side Mirror Camera

OPTIONAL ADD-ON CAMERAS:

Optional add on cameras are available to complete the multi-view capability of the RFM-TYH. Cameras available and ***sold separately*** include: (More cameras can be found at www.cruxinterfacing.com)



CFF-01 Bullet Type Front Camera
(Recommended)



CUL-04 Lip Mount Camera



CLP-12 License Plate Mount Camera



CUL-16 Lip Mount Camera



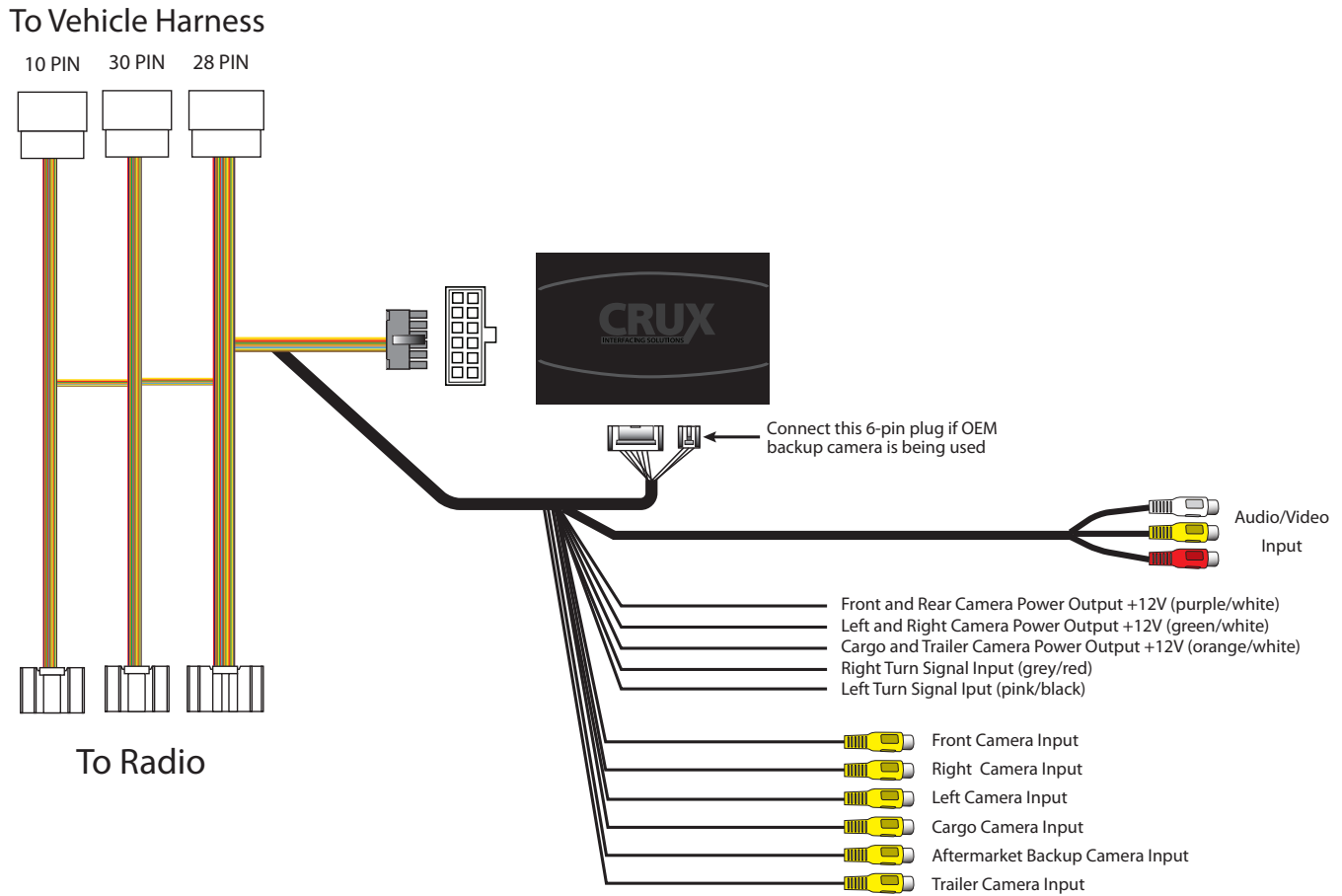
CFF-02 Square Body Front Camera



CFF-03 Grille Mount Front Camera



INSTALLATION DIAGRAM:



DIP SWITCH SETTINGS:

DIP#	ON	OFF
1	No Function – Leave OFF	
2	Front Camera ON	Front Camera OFF
3	Left Camera ON	Left Camera OFF
4	Right Camera ON	Right Camera OFF
5	Cargo Camera ON	Cargo Camera OFF
6	Trailer Camera ON	Trailer Camera OFF
7	AUX A/V ON	AUX A/V OFF
8	Set to OFF	



OPERATION:

Side Mirror Mounted Camera Installation:

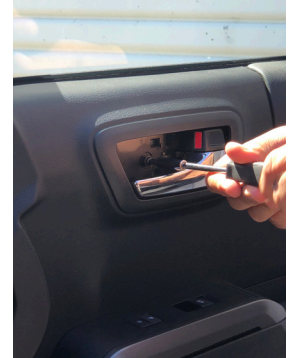
Side mirror camera installation below is on a 2018 Toyota Tacoma. Installation on a 2017 Highlander is similar.



1. Remove the felt liner inside the door pull and remove the screw.



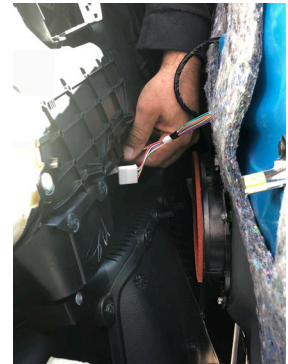
2. Remove the door unlock handle cover and remove the screw.



3. Use a plastic pry bar to remove the window sail. Remove the trim panel clips



4. Unhook the door panel by pulling it upward. Unplug the speaker and door lock harness.



5. Use a hooked pick tool to remove the OEM side mirror cover. Fish the camera cable through the hole.



6. Tuck in the camera cable inside the cavity and snap in the CSV-TYH side mirror cover with camera. Adjust the camera angle as necessary.



RFM-TYH module installation:



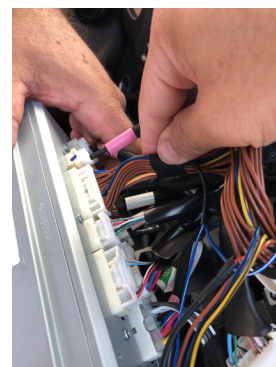
1. Carefully remove the AC controls trim with a plastic pry tool. Unplug the connectors on the back.



2. Remove the left and right AC vents using a hook tool.



3. Remove the 4 screws holding the radio. Note that there is a screw behind the left and right AC vent.



4. Make the connections from the radio to the RFM-TYH T-harness. There are 3 connectors that you need to remove. See diagram on page 2.



5. Run all camera wires towards the radio and make the video RCA connections at the RFM-TYH harness. See diagram on page 2 for the camera power connections.



6. Set the DIP switches according to the DIP SWITCH SETTINGS chart on page 2. Test for functionality before reinstalling the radio.



OPERATION:



1. Press and hold the HANG UP button for 3 seconds to turn on forced camera view mode. Each press of the button thereafter toggles which ever cameras are turned on using the DIP switches. It will also toggle to AV mode.



3. The left and right turn signal triggers the respective side camera. See diagram on page 2 for wire connection information.



5. Go to AUX IN mode on the radio to hear audio when using the AV Input. Image shown using Crux part# VCIP5, HDMI to CVBS adapter. (sold separately)

2. The RFM-TYH will need to be programmed once to turn on the Left and Right side cameras as follows:

- Turn on Left turn signal then press and hold the Hang Up button on SWC for 3 seconds.
- Turn on the Right Turn signal then press and hold the Hang Up button on SWC for 3 seconds.

The automatic turn signal trigger function can be turned off by following the steps above.



4. The front camera (if installed) will automatically show on the screen for 10 seconds when the gear is put to Drive from Reverse.



CSV-TYH side mirror mounted camera.

VEHICLE APPLICATIONS:

TOYOTA

2017 - 2018 Highlander

