

PRODUCT FEATURES:

- Adds a reverse camera input, 6 video plus 1 audio/video inputs.
- Uses the steering wheel controls buttons to toggle between the sources.
- Turn signals automatically triggers the corresponding side camera.
- Turn signal camera trigger can be turned on or off by using the SWC button.

PARTS INCLUDED:



RFM-TYS Module



RFM-TYS Harness



CSV-TYS Sienna Side Mirror Camera

OPTIONAL ADD-ON CAMERAS:

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



CUL-16 Lip Mount Camera



CUL-04 Lip Mount Camera



CLP-12 License Plate Mount Camera



CFF-01 Bullet Type Front Camera
(Recommended)



CFF-02 Square Body Front Camera

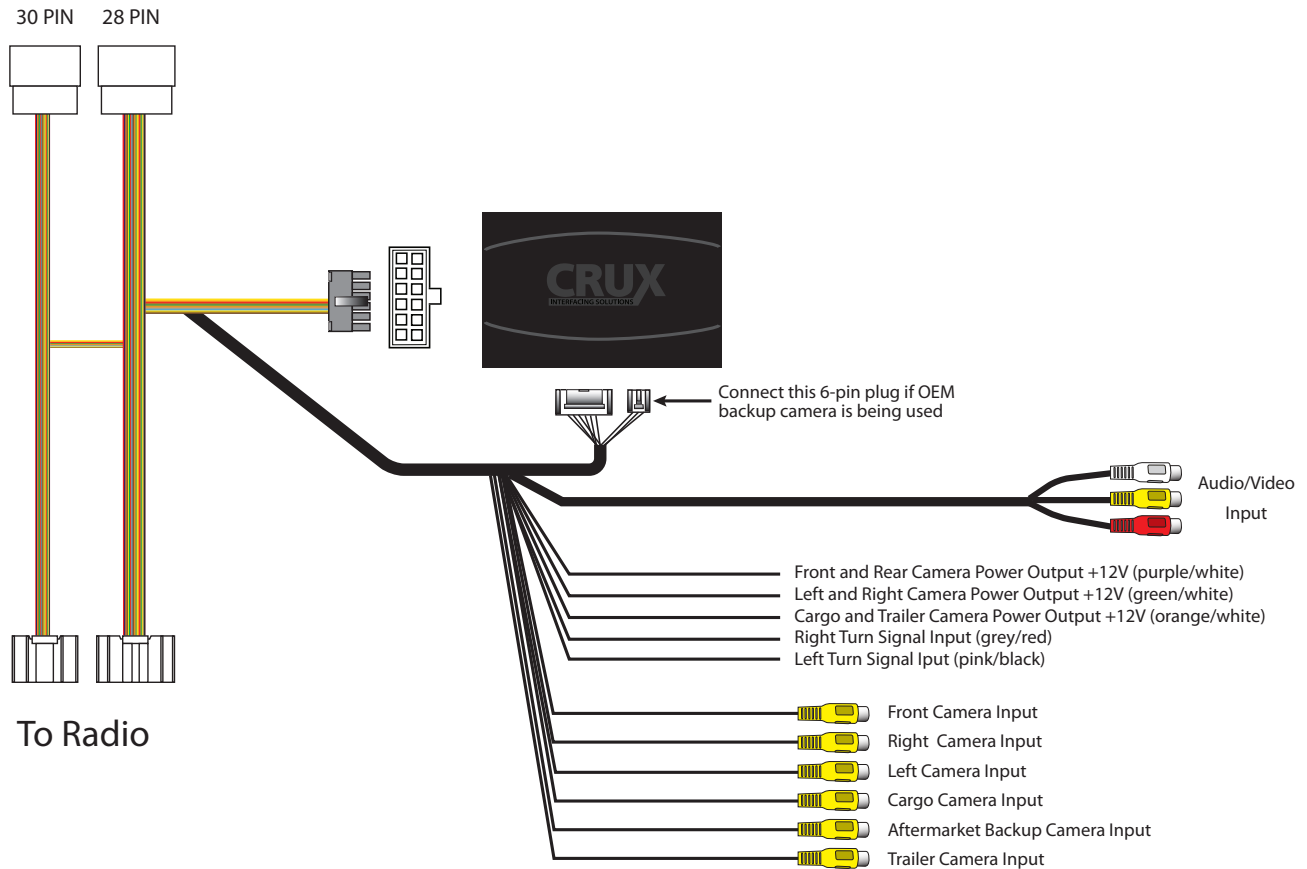


CFF-03 Grille Mount Front Camera



INSTALLATION DIAGRAM:

To Vehicle Harness



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 2018 Sienna 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.



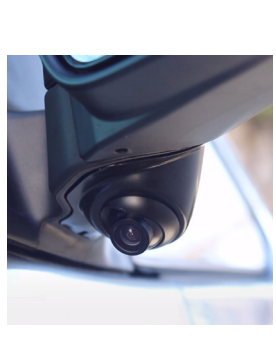
3. Use a plastic pry bar to remove the window sail. Remove the trim panel clips



4. Unhook the door panel by pulling it upward. Unplug the speaker and doorlock 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-TYS side mirror cover with camera.



RFM-TYS module installation:



1. Unscrew the shifter knob.



2. Remove the upper dash trim by pulling upward. It is held by clips.



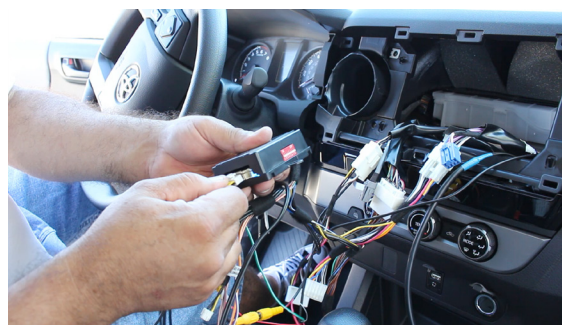
3. Carefully pull out the trim around the instrument cluster. This is held by clips.



4. Carefully pull out the whole from radio bezel.



5. Unplug the connectors behind the radio bezel.



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



OPERATION:

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

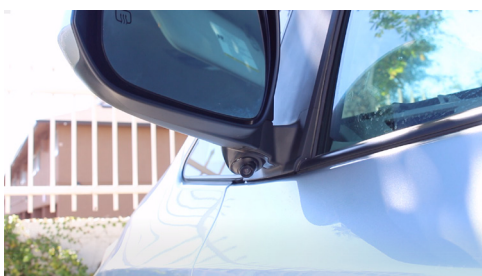
- Turn on Left turn signal then press and hold the Hang Up button on SWC for 3 seconds.
- Turn on the Right Turn signal then press and hold the Hang Up button on SWC for 3 seconds.



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



CSV-TYS side mirror mounted camera.



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



4. 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)



CFF-01 installed under the license plate
(CFF-01 sold separately)

VEHICLE APPLICATIONS:

TOYOTA

2018 - Up Sienna

