

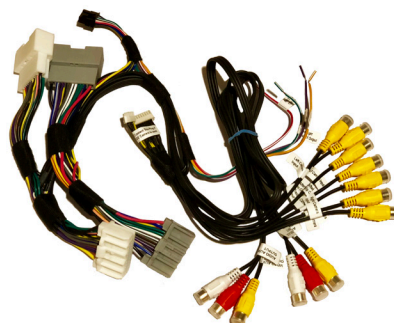
## PRODUCT FEATURES:

- Adds a reverse camera input, 6 video plus 1 audio/video inputs.
- Uses the steering wheel controls buttons to toggle between the sources.
- Includes side mirror mounted camera pods with adjustable angle cameras.
- Turn signals automatically triggers the corresponding side camera.
- Turn signal camera trigger can be turned on or off by using the SWC button.
- Forced view function on cameras (except side cameras).
- Ability to toggle from back-up camera to cargo camera and trailer camera while in reverse gear.

## PARTS INCLUDED:



RFM-CVN1 Module



RFM-CVN1 Harness



CVS-CVN Side Mirror Mounted  
Cameras

## OPTIONAL ADD-ON CAMERAS:

Optional add on cameras are available to complete the multi-view capability of the RFM-CVN1. Cameras available and ***sold separately*** include: (More cameras can be found at [www.cruxinterfacing.com](http://www.cruxinterfacing.com))



CFF-01 Bullet Type Front  
Camera



CFF-02 Square Body Front  
Camera



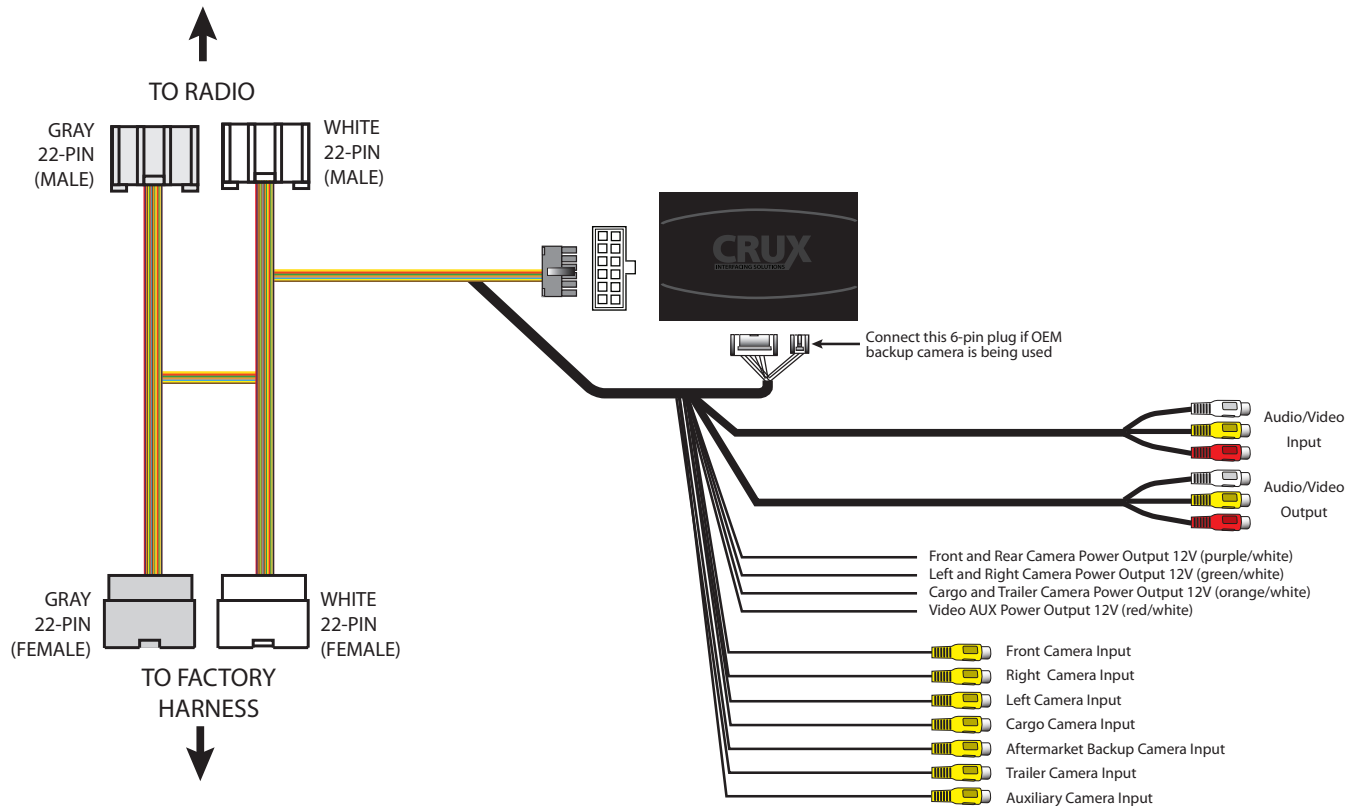
CFF-03 Grille Mount Front  
Camera



CUL-16 Universal Lip Mount  
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 ON	



## OPERATION:

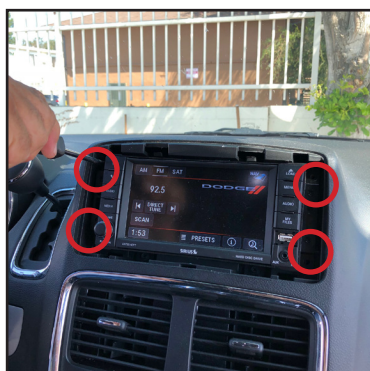
Installation example is on a 2018 Dodge Grand Caravan.



1. Carefully remove the radio trim. Use a plastic pry tool to release the clips.



2. Note that the radio trim is held in place by 2 clips on the sides.



3. Remove the 4 screws holding the radio.



4. Remove the radio and unplug the factory connectors. Set the radio aside for now.



5. Mate the RFM-CVN1 T-harness between the radio and factory radio harness.

6. Determine what cameras will be installed in the system and install the cameras per manufacturers installation instructions. Run the camera cables towards the radio. Camera power will be provided at the RFM-CVN1 harness.





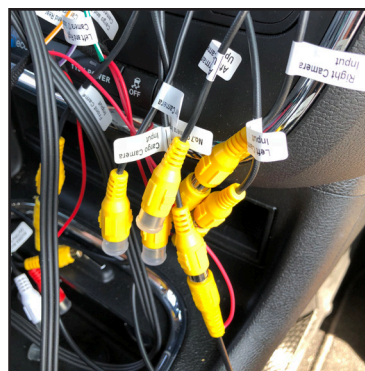
7. To install the CSV-CNV side mirror mounted camera, remove the door panel.



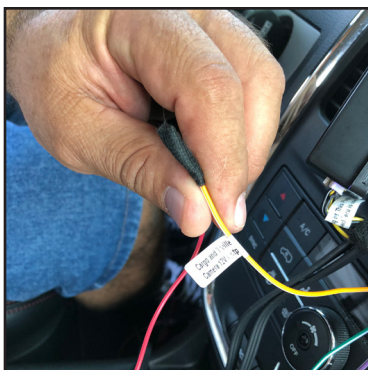
8. Remove the side mirror and pop out the panel under it.



9. Pop in the CSV-CVN camera into the panel hole and run the cable through the corner sail and down inside the door panel.



10. Plug in the camera RCAs to the RFM-CVN1 harness. Set the DIP switches ON for the camera inputs to be used.



11. Connect the camera power to the corresponding camera power wire provided by the RFM-CVN1 harness.



12. If the AV Input feature will be used, plug in the unit to the AV Input RCAs on the RFM-CVN1 harness.







14. To force view and toggle between the cameras, press and hold the middle button on the right side steering wheel control. Each press will toggle to the camera that is set to ON on the DIP switches. See page 2 for DIP switch settings.



15. To turn off the automatic triggering of the side mirror cameras, move the turn signal switch to the camera to be turned off and press the left side SWC middle button for 3-5 seconds. Repeat the process to turn it back on.

To enter AV mode, press the MEDIA button on the radio.



Audio/Video Mode

Press the VIEW VIDEO button on the screen.



Front View



Passenger side blind spot view

## VEHICLE APPLICATIONS:

### DODGE

2018 – Up Caravan

Must have panel opening under side mirror to use the CSV-CVN camera

