

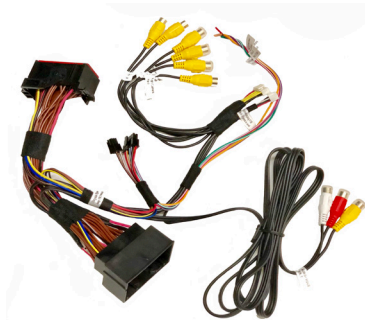
PRODUCT FEATURES:

- 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 BACK button on the radio.
- Includes 2 adjustable angle cameras for the side mirrors.

PARTS INCLUDED:



RFM-RAM1 Module



RFM-RAM1 Harness



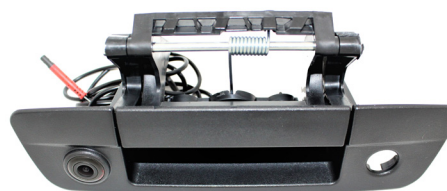
CUB-15 Adjustable Angle Side Camera
(2 pieces)

OPTIONAL ADD-ON CAMERAS:

Optional add on cameras are available to complete the multi-view capability of the RFM-RAM1. Cameras available and ***sold separately*** include:



CDR-31C Cargo Camera



CDR-02 Tailgate Handle Camera



CFF-01 Bullet Type Front Camera



CFF-02 Square Body Front Camera

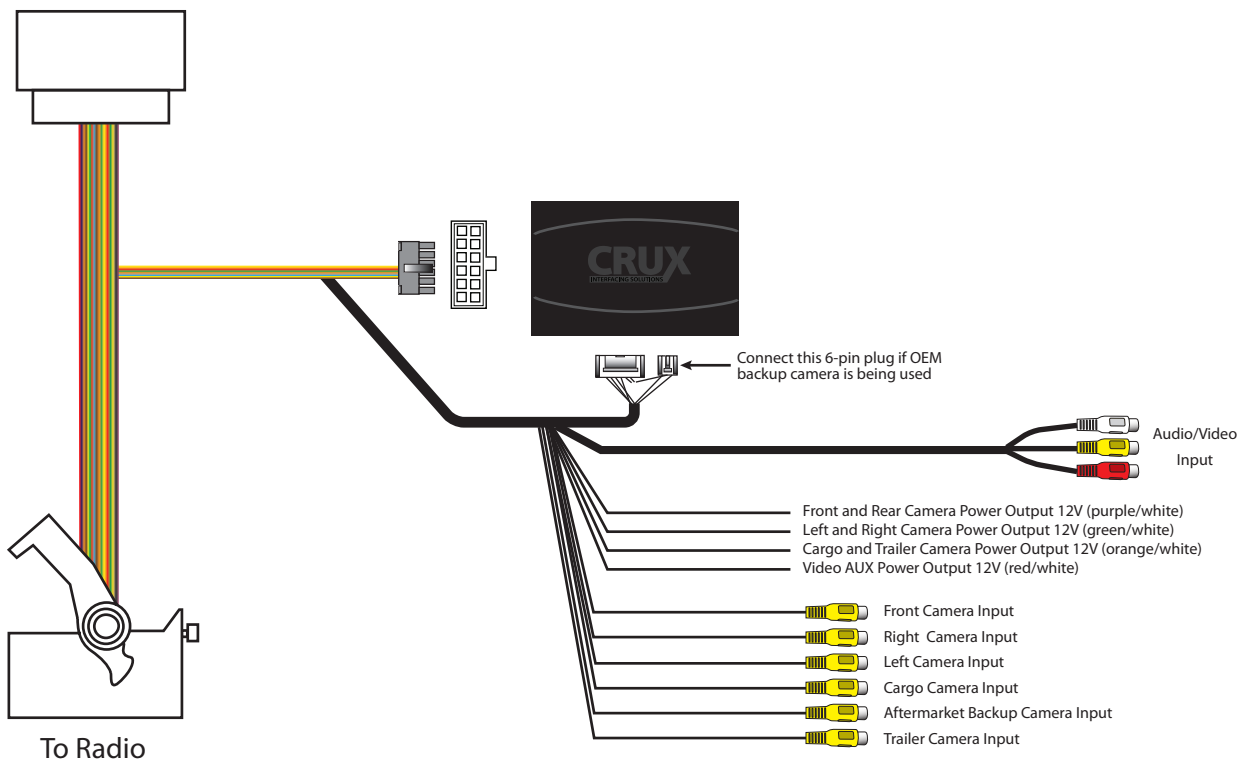


CFF-03 Grille Mount Front Camera



INSTALLATION DIAGRAM:

To Vehicle Harness



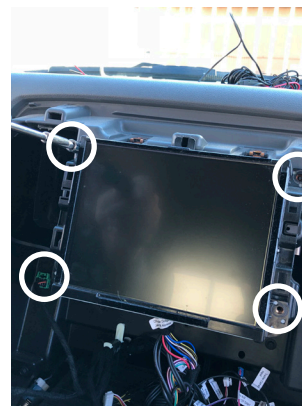
INSTALLATION INSTRUCTIONS:



1. Carefully remove the radio trim bezel by pulling outward.



2. Unplug the connectors behind the radio trim bezel.



3. Remove the factory screen by removing the 4 screws on the corners.

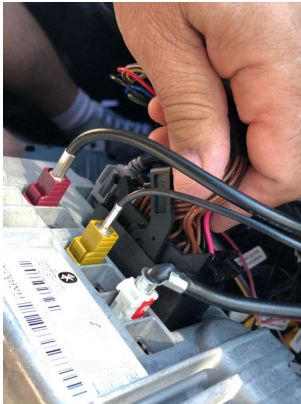




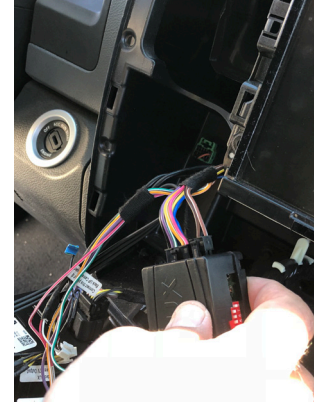
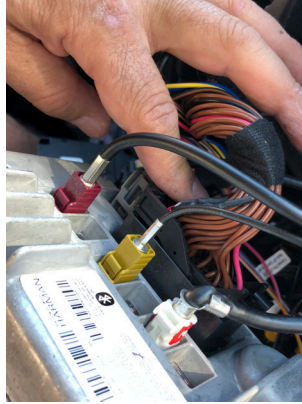
4. Unplug the factory 52-pin connector by pulling on the lock lever.



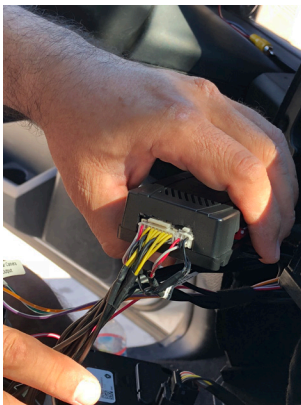
5. Connect the factory 52-pin connector to the mating connector on the RFM-RAM1 T-harness.



6. Plug the 52-pin connector of the RFM-RAM1 T-harness to the radio and push in the lock lever.



7. Plug the Molex connectors from the T-harness to the module.



8. Plug the video RCA harness to the module.



9. Remove the door panels and side mirror to install the side mirror cameras. Run the cable through the boot for a clean install.





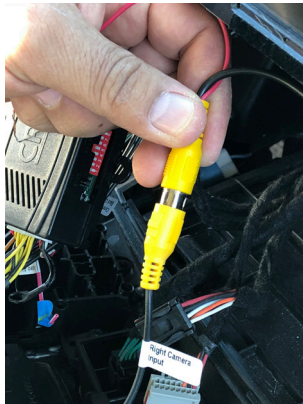
10. Use the provided hole saw to drill a hole on the side mirrors for the adjustable angle camera.



11. Mount the other optional front, rear and cargo cameras desired for the install. (Optional cameras sold separately. See page 1)



12. Run all the camera cables to the radio cavity.



13. Plug the camera's male RCAs to the corresponding female RCAs of the RFM-RAM1 video harness. Each RCA is labeled for the input.



14. Connect the camera power wires to the corresponding camera power output wires of the RFM-RAM1 harness. Each wire is labeled.



15. If you will be using the AV input option, plug in the AV RCAs of your device to the AV Input of the RFM-RAM1. Crux VCIP5 for HDMI input shown here (sold separately).



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:



1. Whether an aftermarket or OEM backup camera is used, putting the gear in reverse will automatically show the backup camera image on the screen.



2. Putting the gear to drive after the reverse process turns on the front camera for 7 seconds.



3. Using the left and right turn signal triggers the respective side mirror mounted camera to show on the screen. To turn on automatic triggering, move the turn signal switch to the camera to be turned on and press the BACK button on the radio for 3-5 seconds.



4. 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 BACK button on the radio for 3-5 seconds. With the turn signal switch in neutral, the same button turns on the VIM feature.





5. To force view any of the cameras installed, press and hold the rear right side steering wheel control middle button once to enter force view mode and short press to toggle through all the different cameras.



6. To use the AV input, press and hold the left rear side steering wheel control middle button to toggle to AV mode. Audio plugged in the AV RCAs will automatically be heard through the OE audio system. No need to plug to the AUX input of the vehicle.

Sample camera views and A/V Input:



Cargo View



Trailer Hitch View



A/V Input Mode

VEHICLE APPLICATIONS:

RAM

2013 - 2017	1500
2013 - 2017	2500
2013 - 2017	3500

