CRUX RVCCH-75R Rear View with VIM Integration Interface and Tailgate Handle Camera Instruction Manual

Contents

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Product Information

The R Sightline Multi-View Integration (RVCCH-75R) is an interface module designed for RAM Trucks. It features a rearview camera with VIM (Video in Motion) integration and a tailgate handle camera. The module is equipped with various connectors and wires for easy installation.

Product Features

- Rearview camera with VIM integration
- Tailgate handle camera
- 22-pin male and female connectors
- 20 ft. coax cable
- DIP LED switch for different settings

Parts Included

- RVCCH-75R module
- RVCCH-75R harness
- Tailgate handle camera
- Regulator
- 20 ft. coax cable
- 8-Pin Molex

DIP Switch Functions:

- DIP 1: Video in Motion Activation ON (permanent VIM) / OFF (use Green wire)
- DIP 2: Rear View Camera ON / OFF
- DIP 3: Set to OFF
- DIP 4: Set to OFF
- DIP 5: CAN Termination Radio Side*
- DIP 6: CAN Termination Car Side*

*If the radio is having turn-on issues, there are different DIP switch settings to try.

Product Usage Instructions

Installing the RVCCH-75R Interface:

1. Remove the factory radio to gain access to the factory connectors.
2. Plug in the t-harness with WHITE and GRAY connectors. Refer to the wiring diagram on page 1.
3. Set the proper DIP switch settings on the RVCCH-75R module. Refer to the chart above.
4. Use the WHITE 12V Reverse Output wire to power the camera. DO NOT connect the red power wire near the camera to the reverse light. Insulate this red wire to avoid shorting. If the vehicle has a manual transmission, tap the camera power to the +12V reverse light wire instead. In this case, the WHITE 12V Reverse Output wire is not used and should be insulated.

5. Plug in the AV source and test for functionality.
6. Proceed to installing the tailgate handle camera.

Installing the CDR-02 Camera:

1. Remove the OE tailgate handle.
2. Remove the OE lock cylinder and install it in the CDR-02 camera housing.
3. Install the new tailgate handle and run the cables to the radio.
4. Remove the factory radio to gain access to the factory connectors.
5. Route the wires towards the radio and make the power and video connections. For powering up the camera, use the 12V OUTPUT (White Wire). Refer to the wiring diagram on page 1.
6. Connect the camera ground wire to chassis ground. If video noise is present, it is recommended to ground the camera directly to the BLACK wire on the RVCCH-75D T-harness.
7. The CDR-02 has a built-in parking guide lines option that is defaulted to ON from the factory. To turn OFF the parking guide lines, refer to the camera's instructions.

PRODUCT FEATURES

- Activates Mygig radio for enabling video features
- The tailgate handle camera included
- The interface includes Audio / Video Input to connect an extra A/V source
- Automatically switches to Rear-view when car is in Reverse mode
- Supports vehicles with manual transmission but does not supply +12V Reverse Camera power must be tapped from the +12V reverse light wire instead
- Plug & Play Installation

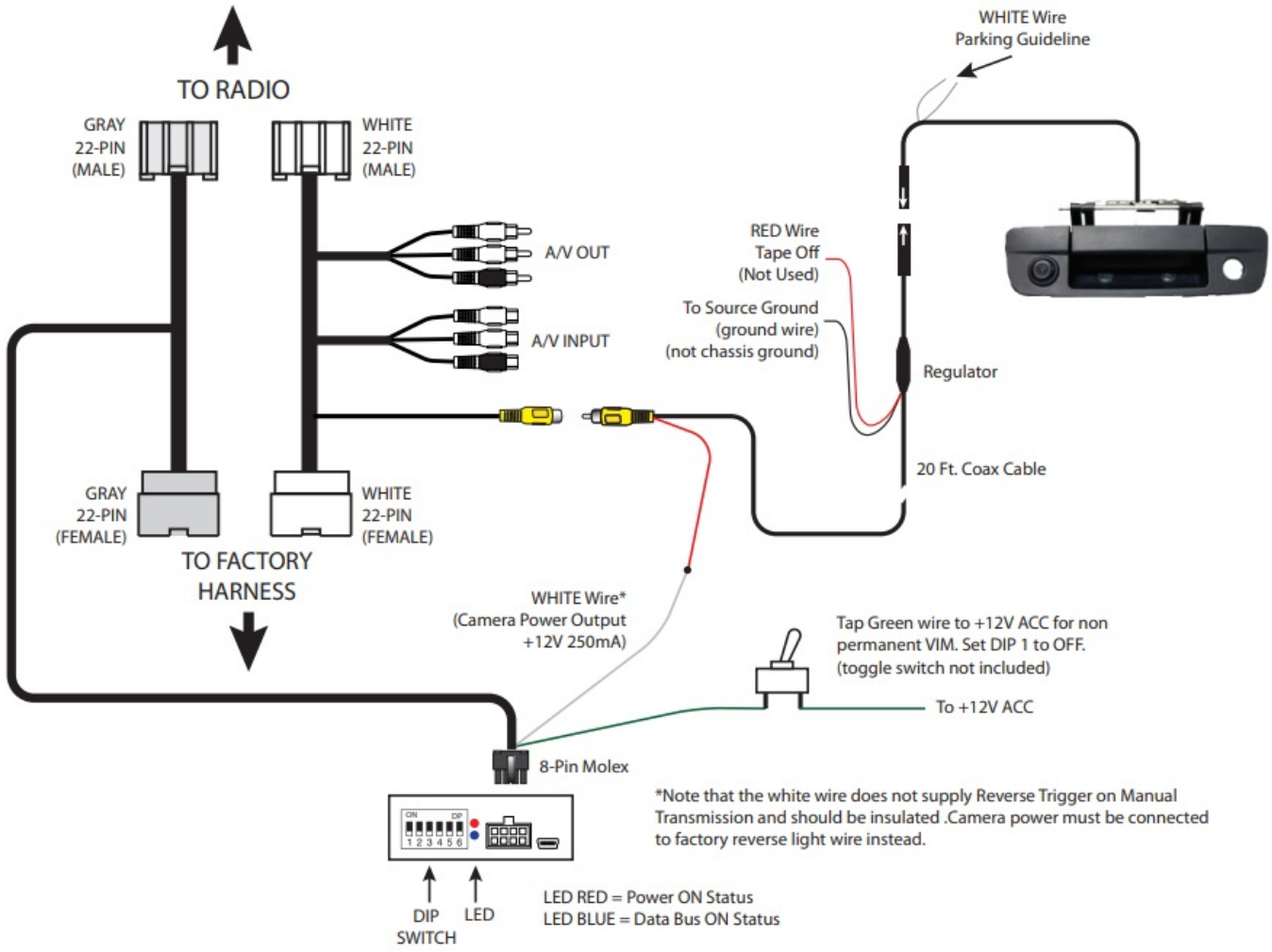
PARTS INCLUDED:

RVCCH-75R Module

RVCCH-75R Harness

Tailgate Handle Camera

INSTALLATION DIAGRAM



DIP SWITCH SETTINGS

DIP SWITCH FUNCTIONS:

- DIP 1 = Video in Motion Activation ON (permanent VIM) / OFF (use Green wire)
- DIP 2 = Rear View Camera ON / OFF
- DIP 3 = Set to OFF
- DIP 4 = Set to OFF
- DIP 5 = CAN Termination Radio Side
- DIP 6 = CAN Termination Car Side*

DIP 5 & 6
If the radio is having turn-on issues, please try the following:

- **Attempt 1:** Set 5 & 6 to ON
- **Attempt 2**: Set 5 to ON and 6 to OFF

  Attempt 3: Set 5 to OFF and 6 to ON

INSTALLATION INSTRUCTIONS

INSTALLING THE RVCCH-75R INTERFACE

1. Remove the factory radio to gain access to the factory
2. Plug in the t-harness with WHITE and GRAY (See wiring diagram on page 1)
3. Set the proper DIP Switch settings on the RVCCH-75R (See chart above)
4. Use the WHITE 12V Reverse Output wire to power the camera (see wiring diagram on page 1). *DO NOT connect the red power wire, near the camera, to the reverse light and insulate this red wire to avoid from shorting.* If the vehicle has a manual transmission, the camera power must be tapped to the +12V reverse light wire In this case the WHITE 12V Reverse Output wire is not used and should be insulated to avoid from shorting.
5. Plug in the AV source and test for Proceed to install the tailgate handle camera

INSTALLING THE CDR-02 CAMERA

1. Remove the OE tailgate
2. Remove the OE lock cylinder and install it in the CDR-02 camera
3. Install the new tailgate handle and run the cables to the
4. Remove the factory radio to gain access to the factory
5. Route the wires towards the radio and make the power and video For powering up the camera, use the 12V OUTPUT (White Wire). (See Wiring Diagram on page 1)
6. Connect the camera ground wire to the chassis If video noise is present, we recommend grounding the camera directly to the BLACK wire on the RVCCH-75D T-harness.
7. The CDR-02 has a built-in parking guidelines option and is defaulted to ON from the To turn OFF the parking guidelines, cut the thin WHITE wire located on the camera cable 4 feet from the camera. Unplug the barrel connectors on the cable for 5 seconds. Align the arrows on the barrel connectors and firmly plug them together.
8. Plug in the Yellow male RCA from the camera cable to the Yellow female RCA of the t-harness with white
9. Put the gear in reverse to test the camera before re-installing the

LED INFORMATION

The RVCCH-75R module has 2 LEDs on the side of the Molex connector that confirms its functionality as follows:

- **RED LED**: ON
  - Confirms Power
- **BLUE LED**: PULSING
  - No BUS, Pending Data OFF
  - Complete Power Down SOLID
  - BUS Recognized

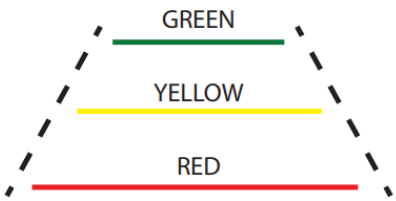
PARKING GUIDELINES

The parking lines are there to assist you while reversing. To deactivate the parking lines simply cut the WHITE loop wire located near the 4 pin camera connector and cycle the camera power.

What the Lines mean:

- **Green Line**: CLEAR

- **Yellow Line**: GETTING CLOSE
- **Red Line:** WARNING VERY CLOSE



SWITCHING SOURCES:

VES will be your source for the AV Input.

To access the VES button, press the RADIO/MEDIA button on the left side of the radio. The VES button is only active after the interface is properly installed.

VEHICLE APPLICATIONS

RAM:
2009 – 2012 RAM Truck

COMPATIBLE RADIO

MyGig Radio:
(HARD DISC DRIVE or HARD DRIVE printed on the lower right-hand side of the radio face)

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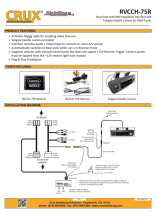
Documents / Resources

	CRUX RVCCH-75R Rear View with VIM Integration Interface and Tailgate Handle Camera [pdf] Instruction Manual RVCCH-75R Rear View with VIM Integration Interface and Tailgate Handle Camera, RVCCH-75R, Rear View with VIM Integration Interface and Tailgate Handle Camera, VIM Integration Interface and Tailgate Handle Camera, Interface and Tailgate Handle Camera, Tailgate Handle Camera, Handle Camera, Camera

References

- CRUX Interfacing Solutions