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### **CRUX<sup>®</sup> INTERFACING SOLUTIONS RVCFD-79 Rear View Integration Kit**



# **CRUX RVCFD-79 Rear View Integration Kit Installation Guide**

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## **CRUX RVCFD-79 Rear View Integration Kit**



## **Product Information**

## Specifications

- **Product Name:** RVCFD-79 Rear View Integration Interface
- **Compatibility:** Select Ford and Lincoln Vehicles with 8 MyFord Touch System
- **Features:**
  - Automatically switches to rear-view when the car is in Reverse mode
  - Activates the 8 MyFord Touch Screen to enable video features
  - Plug and Play installation

## Product Usage Instructions

### Installation

1. Remove the factory display screen to gain access.
2. Using the provided t-harness, plug one end into the factory harness (54-pin connector, not the radio).
3. Connect the other end of the t-harness to the display screen.
4. Locate the C-125 and C-500 modules on the t-harness (8-pin connectors) and connect them properly.
5. Set DIP switch 6 on both modules to the ON position.

### Coding the Vehicle

1. Ensure RVCFD-79 is completely installed in the vehicle.
2. Turn the ignition to the ON position. For push-start vehicles, press the button once to set the ignition to ON.
3. Power up the radio, and select the FM radio source to verify that the interface is responding to the radio.

### FAQ

- **Q: What should I do before performing a vehicle system reflash?**
  - **A:** Unplug the RVCFD-79 two modules before performing a vehicle system reflash. Repeat the coding process after flashing the vehicle system.
- **Q: How do I activate the rearview camera feature?**
  - **A:** The radio must be coded. With RVCFD-79 installed, turn on the ignition, power up the radio, and select the M radio source to activate the rearview camera feature.

## PRODUCT FEATURES

- Automatically switches to Rear-view when the car is in Reverse mode.
- Activates the 8" MyFord Touch Screen for enabling Video features.
- Plug and Play installation

### IMPORTANT INSTALLATION NOTES

Unplug the RVCFD-79 two modules before performing a vehicle system reflash. Repeat the coding process after flashing the vehicle system.

### PARTS INCLUDED



C-125 Module

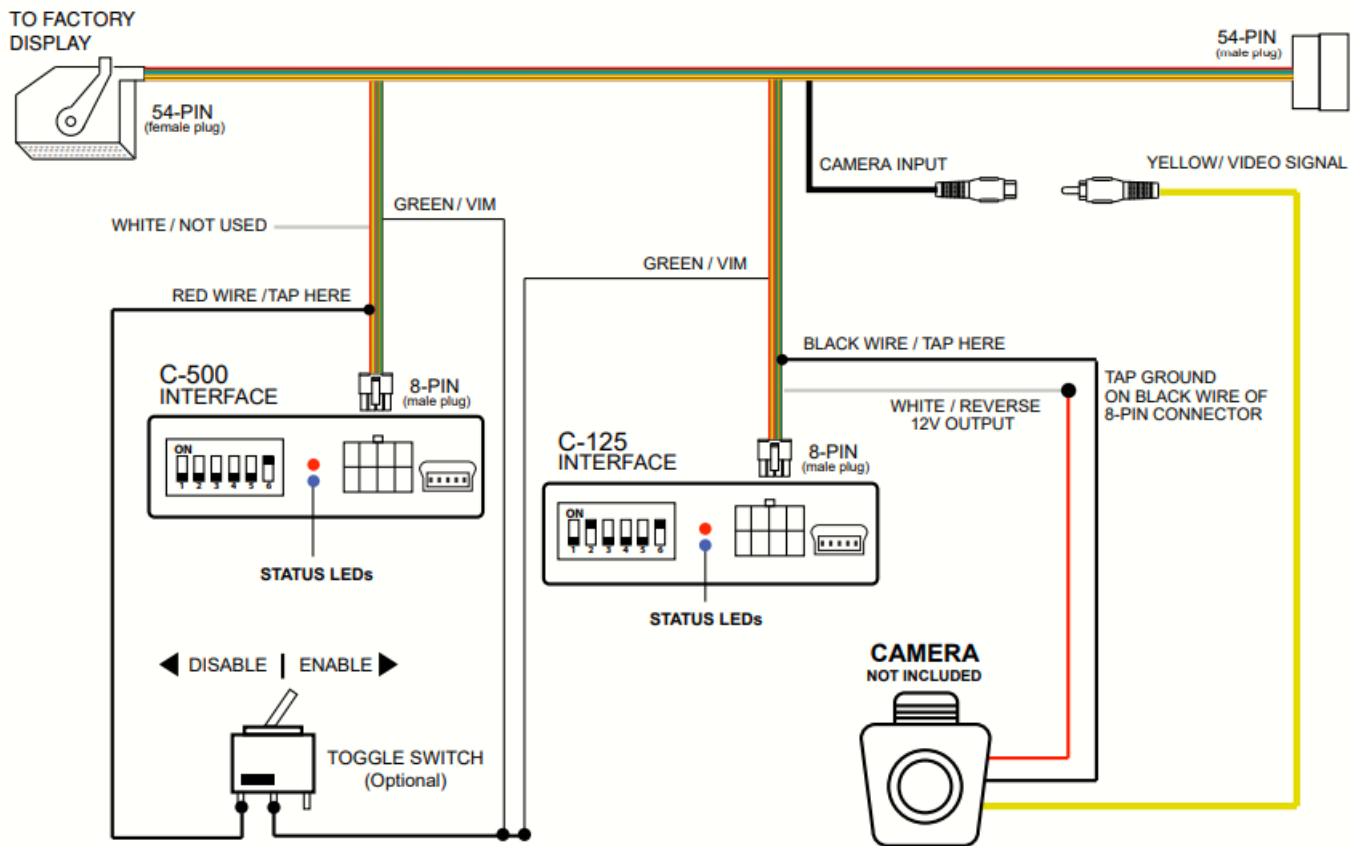


C-500 Module



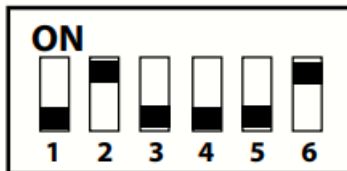
RVCFD-79 Harness

### IMPORTANT INSTALLATION NOTES

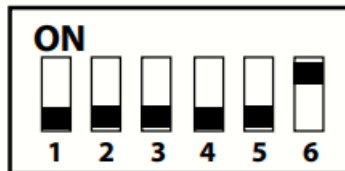


## DIP SWITCH SETTINGS

- Make sure to set DIP# 6 to the ON position in both modules.
- To turn on the RVC feature, set DIP# 2 to the ON position on the C-125 module ONLY.



C-125 Module

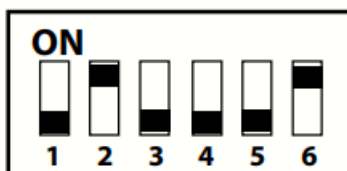


C-500 Module

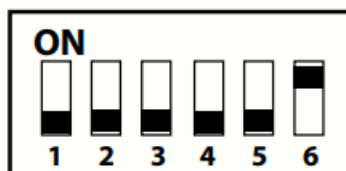
- To turn on the VIM feature, set the module DIP switches as follows.

For vehicles WITH factory navigation systems:

DIP	C-125 Module	C-500 Module
1	OFF	OFF
2	ON	OFF
3	OFF	OFF
4	OFF	OFF
5	OFF	OFF
6	ON	ON



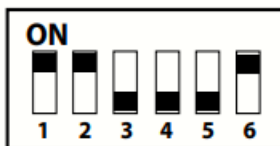
C-125 Module



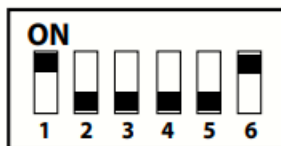
C-500 Module

For vehicles WITHOUT factory navigation system:

<u>DIP</u>	<u>C-125 Module</u>	<u>C-500 Module</u>
1	ON	ON
2	ON	OFF
3	OFF	OFF
4	OFF	OFF
5	OFF	OFF
6	ON	ON

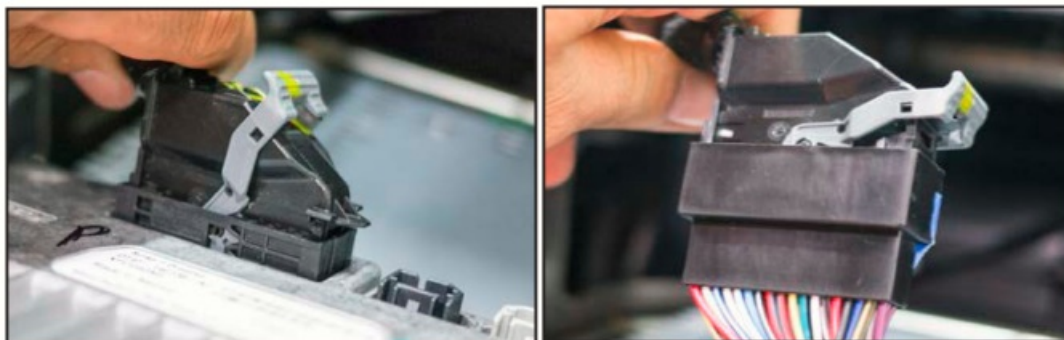


C-125 Module



C-500 Module

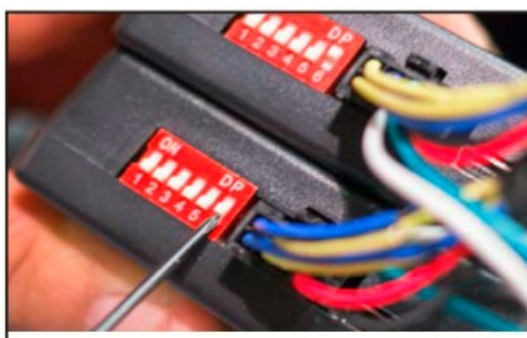
## INSTALLATION INSTRUCTIONS



1. Remove the factory display screen to gain access to the 54-pin connector. (Not the radio)
2. Using the provided t-harness, plug one end of the t-harness into the factory harness.



3. Plug the other end of the t-harness to the display screen.
4. Locate the 8-pin connectors on the t-harness labeled C-125 and C-500.

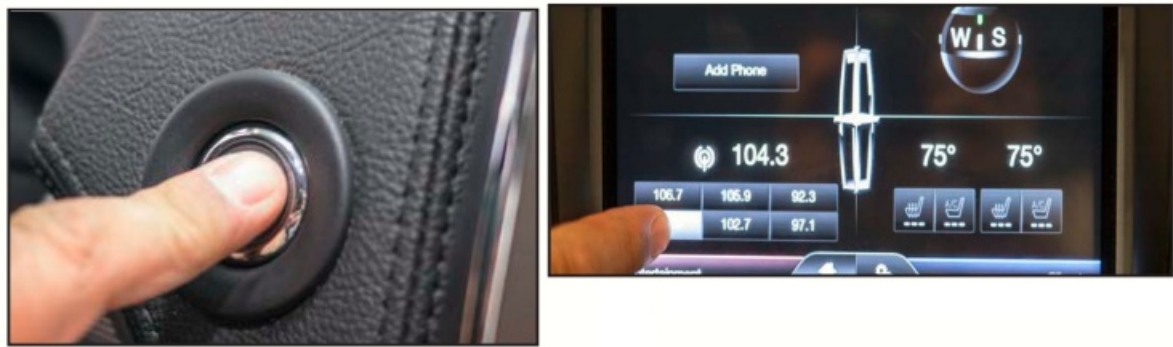


5. Connect both the C-125 and C-500 modules to their proper 8-pin connectors on the t-harness.

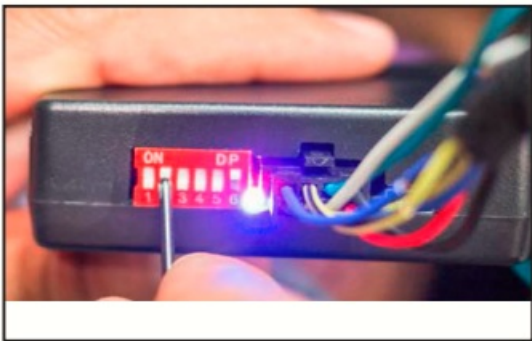
6. Set the DIP switch “6” on both modules to the ON position.

**CODING THE VEHICLE**

In order to activate the rearview camera feature, the radio must first be coded.



- 1. With the RVCFD-79 completely installed in the vehicle, turn the ignition to the ON position. For vehicles with a push start button, press the button once to set the ignition to ON.
- 2. When the radio powers up, turn ON the radio and select FM radio source. This verifies that the interface is responding to the radio.
- 3. While listening to the FM source, set DIP#2 on the C-125 module to ON. The screen will power off and begin to



reset.

<u>BLUE LED</u>	Description
Blinking	No BUS detected
Solid	BUS recognized
OFF	Power Down/Sleep mode

<u>RED LED</u>	Description
ON	Power On
OFF	Power Off

- 4. Wait for the interface to reboot. The progress bar will show the percentage completed. This process may take up to 1 minute. Once completed the FM radio source will continue to play as it was before the reboot.



**CAMERA ACTIVATION**

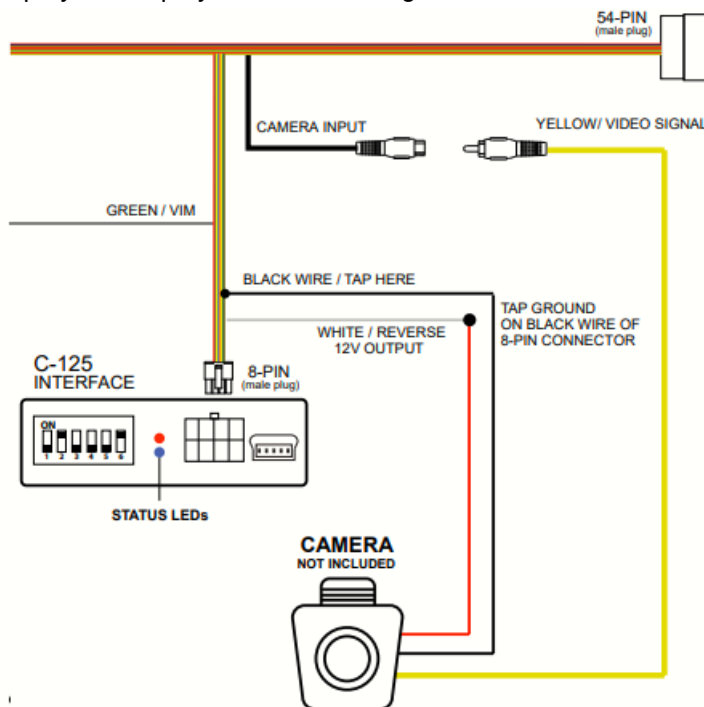


## CAMERA ACTIVATION AND INSTALLATION

To test if the rearview camera coding was completed correctly, place the vehicle into reverse gear.



- With the rearview camera disconnected, start the vehicle and place the vehicle in reverse gear.
- The radio display will display an error message of “Camera Unavailable”. This verifies that the coding was



successful. '

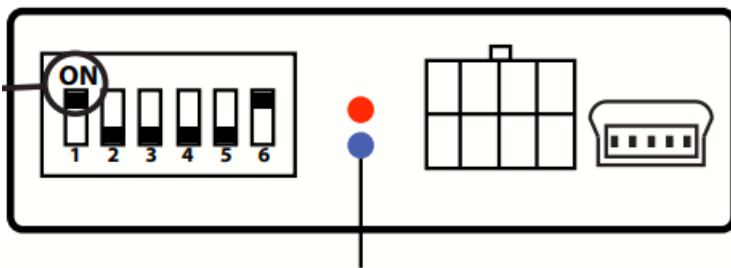
- Install the camera according to the manufacturer's installation instructions. Tap the camera's power to the C-125's white wire labeled "Reverse 12V Output". Tap the camera ground to the black wire on the 8-pin connector.
- See diagram above. Note that this interface does not support the zoom + and zoom – functions of the factory display.

## ACTIVATING THE VIDEO IN MOTION FEATURE

- The VIM feature can be set to permanent or non-permanent depending on the customer's preference.

### PERMANENT ACTIVATION:

- Turn DIP# 1 to ON to set the video in motion feature to the permanent option.
- **NOTE:** With this option active, the navigation (if equipped) will not be able to update in real-time.



## STATUS LEDs

- Set DIP#1 to the ON position on BOTH C-125 and C-500 modules.

### NON-PERMANENT ACTIVATION #1:

- Turn DIP# 1 to OFF to set the video in motion feature to a non-permanent option.
- Some vehicles will allow the VIM feature to be activated and deactivated using the steering wheel controls. There are 2 types of SWC controls that allow this function. See the pictures below for reference.
- **NOTE:** Deactivating VIM will allow the navigation (if equipped) to update in real-time.



#### 1. SWC Type 1:

- Seen on Ford Edge and C-Max. Hold the BACK button (left arrow) for 3 seconds to activate or deactivate the VIM feature.

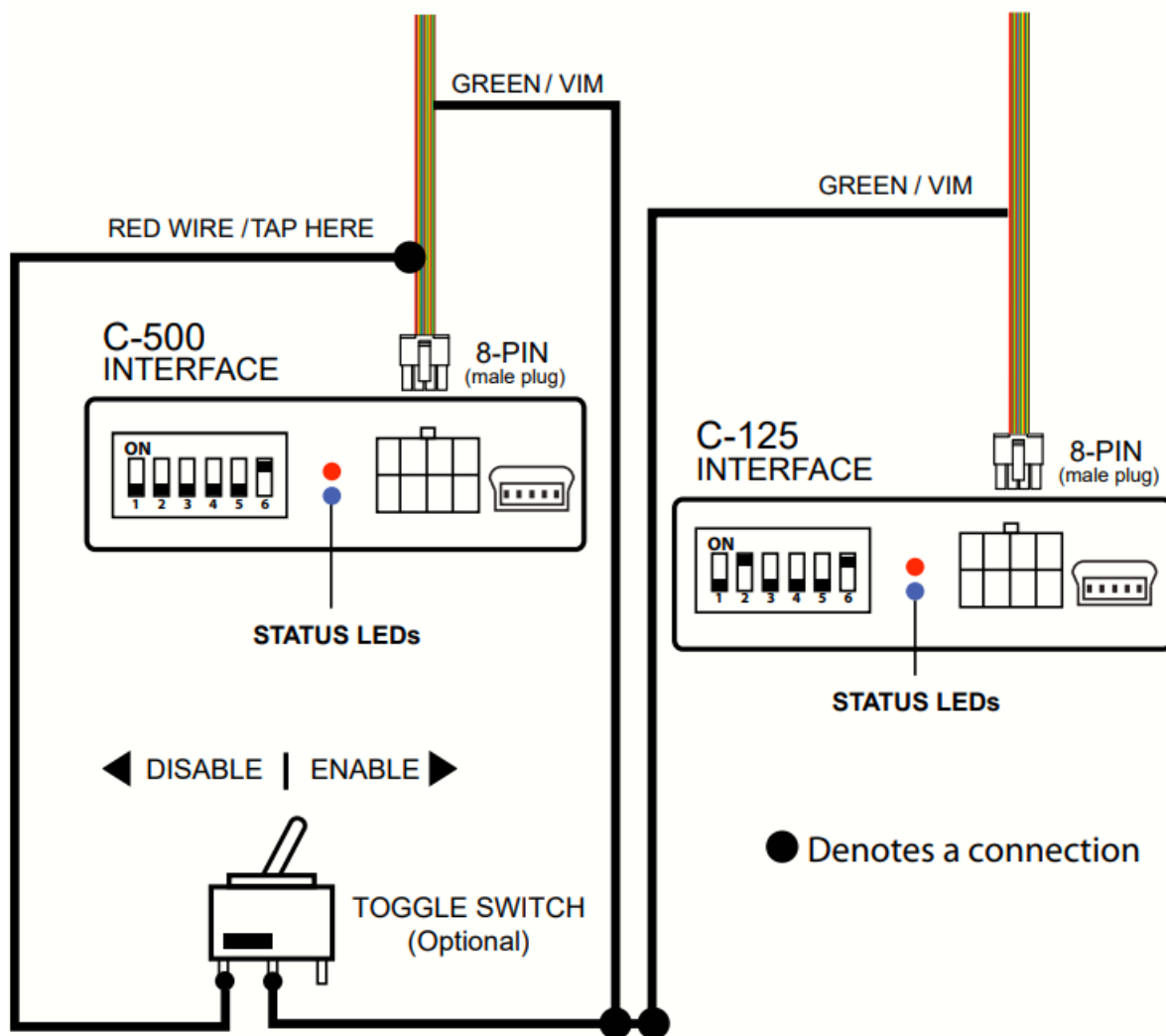
#### 2. SWC Type 2:

- Seen on Ford F-Series trucks. Hold the PHONE button for 4 seconds to activate or deactivate the VIM feature.

### NON-PERMANENT ACTIVATION #2:

- This is the most universal method of enabling/disabling the VIM feature. This method will work on all applications, regardless of SWC type or if the vehicle is equipped with a navigation system.
- The diagram below will assist you on how to connect a toggle switch to the RVCFD-79 t-harness.
- Turn DIP# 1 to OFF to set the video in motion feature to a non-permanent option.
- **NOTE:** Deactivating VIM will allow the navigation (if equipped) to update in real-time.

1. **Step 1:** Connect the GREEN wires from both the C-125 and C-500 module harnesses to one leg of the toggle switch.
2. **Step 2:** Tap a wire from the RED (12V constant) wire on the C-500 module harness to the other leg of the toggle switch.
3. **Step 3:** Mount the toggle switch in an accessible location to be able to activate or deactivate the VIM feature.



## VEHICLE APPLICATIONS

### FORD

- 2011 – 2014 Edge
- 2011 – 2014 Explorer
- 2012 – 2014 Focus
- 2013 – 2014 Focus ST
- 2013 – 2014 Taurus
- 2013 – 2014 Escape
- 2013 – 2014 F-150
- 2013 – 2014 F-150 Raptor
- 2013 – 2014 F-250
- 2013 – 2014 F-350
- 2013 – 2014 F-450
- 2013 – 2014 F-550
- 2013 – 2014 Fusion Hybrid
- 2013 – 2013 Fusion Energy
- 2013 – 2014 C-Max Hybrid
- 2013 – 2014 C-Max Energy
- 2012 – 2014 Flex

### LINCOLN

- 2012 – 2014 MKT
- 2011 – 2014 MKX

## COMPATIBLE RADIOS



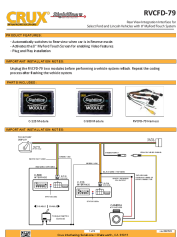


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- [www.cruxinterfacing.com](http://www.cruxinterfacing.com).

## Documents / Resources



[CRUX RVCFD-79 Rear View Integration Kit](#) [pdf] Installation Guide

RVCFD-79 Rear View Integration Kit, RVCFD-79, Rear View Integration Kit, View Integration Kit, Integration Kit

## References

- [User Manual](#)

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