

## Installation Instructions

Select FORD Sync3 Equipped Vehicles W/ 8" Screens

This manual shows a typical installation. Your vehicle may vary. Use caution and if unsure seek professional assistance.



### **Vehicle Preparation**

Before beginning your installation, familiarize yourself with the installation instructions and the RearSight camera system components.

To ensure your safety, (A) apply the emergency brake and (B) read this entire manual before beginning.

**CAUTION:** Disconnect the negative battery cable at least 3 minutes before beginning installation. This is advised to avoid unintended air bag deployment or possible damage to vehicle computer components. Damage to vehicle components is not covered by Rostra Precision Controls Inc.

# Components :

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System T- Harness



Interface Module



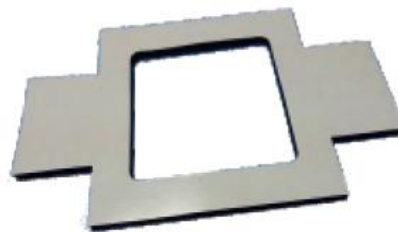
Video Output Cable



Front/R Cam Harness



VHB Mounting Tape



Video Input Cable



Rear Cam Harness



USB/L CAM Cable



HDMI Cable



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The installation shown here is an example, your specific vehicle model, trim level, or year may vary. This installation is done in a 2017 F150 XLT. Consult the OEM service manual for your specific vehicle if further screen removal instructions are needed.



5: Remove the small jumper shown here.

TIP: We suggest you leave this in the vehicle in case it is ever needed in the future.



6: Attached the T-Harness power cable (that came with the Camera interface) to the factory power harness and connect to the SYNC3 module where you removed the black power cable connection.

7: Connect the 2 video cables included to the two open ports where the jumper was removed from.





8: Run the T-Harness to an area behind the screen where the interface module will be located.

9: Connect the two white color plugs to the interface module (see wiring diagram if needed).

10: Connect the two video cables to the interface module ports.

11: All connections to the vehicle are now done. Next you will make your connections to the Camera Interface module. Once all connections are made the module can be mounted or located anywhere behind the dash. You will need to find a location and plan your wiring path to this location.

12: Find a location for the Front Camera trigger switch if this will be used on your application. Using a 13/32 drill bit, drill a hole and mount the switch. Run the wires to the interface module and connect to the wires as shown on the wire diagram.

13: HDMI and USB Cable mounting and connection. Included in your package are two drill and mount cables. The USB cable is used for system updates and will supply charging power for a device. The HDMI Cable is used for Phone Mirroring to the OEM screen.

- A:** Determine where you want to mount these connections. In the lower or upper glove box is the recommended location. Also mounting near each other for use of the USB power when phone mirroring is advisable.
- B:** After determining your mounting location and double checking that there is room behind the location drill a 1.25" hole for each cable.
- C:** Push the cables through the hole snapping the connector into place.
- D:** Route the cables to the interface location.

HDMI CABLE



USB / LEFT CAM



#### 14: Camera Connections:

**NOTE:** All Cameras **MUST** be wired Hot to ACC +12V in order to use the monitoring functions. The red wire on the Rear Camera input lead will provide power when the aftermarket rear camera is activated and selected.

**DO NOT** connect the camera power leads to the turn signals or reverse lamps. The Rearsight interface uses CAN technology to select the correct camera to display.

We recommend using Rostra Rearsight cameras with the ability to reverse your image or select images without parking lines. Rearsight Blindspot cameras are designed specifically for these application.

If the vehicle has a factory rearview camera the rear camera input may be used for a cargo, fithwheel, or any other application. Selection of the factory rear camera is made under the camera settings page.

Install your cameras per the instructions provided with them. Run power for each camera from a ACC +12v source. Route your camera RCA cables to the Interface module location.

15: Connect the Camera Rear and Front/Right input cables to the module. The Left input is located on the USB cable connection. Connect your cameras to the correct input location. Tape your RCA connections together to reduce any possibility or vibration loosening the cable.



16: Return it to its mounted position in the dash. Connect the wire harness to the dash panel and loosely set in place for testing

17: Reconnect the vehicle battery

18: Turn the ignition on and allow the factory radio time to boot up. On the main screen, press the "Apps" icon. This will bring you to the interface menu screen. Pressing Apps again will take you to the OEM Apps menu. From the interface menu you will be able to access all of the features and functions of this system.



19: Settings

Enter the settings menu and enter **Camera**.

**System:** System updating, master reset, language, and firmware information.

**Camera:** Enters Camera settings page and set according to your installation.

- > Reversing Camera Settings - Camera ON/OFF
- > Reversing Camera Options - OEM / Aftermarket Rear Camera
- > Front Cam. Trigger by Speed - Selected will enable Front camera when below 10mph. Deselect to use a long press on the BACK button on the dash to activate the front camera manually. If no front cam is installed deselect the check mark.



## Settings - Continued

- > Left Cam. Trigger By Turn Signals. - If a left side blindspot camera is installed select this option. Deselect if not installed or a black screen will show when turn signals are used.
- > Right Cam. Trigger By Turn Signals. - If a right side blindspot camera is installed select this option. Deselect if not installed or a black screen will show when turn signals are used.
- > L/R Cam. Trigger Only In Motion. - Select ON if you want your side cameras to shut off while waiting in traffic or at a red light. The system will return to the OEM screen until moving again.

20: Once the settings are correct for your installation test all cameras. Make sure your parking brake is engaged and it is safe to do before placing the vehicle in reverse gear. The vehicle must be running for the factory reverse camera to display.

NOTE: When testing the Blindspot side cameras there will be a 3 second delay after the turn signal is shut off before the camera image turns off. This is normal operation.

21: To view the front camera press the activation button briefly. Press again to shut off.

While displaying the front camera tap the screen lightly and indicators for all other cameras will appear, select any camera to view in Monitor mode. NOTE the OEM camera will not display in this mode.

# Wiring diagram:

