

## Ford C-Max My Touch Camera Interface 2015-2017 Ford CMAX with 8-inch My Touch screen (Kit # 9002-2753)

**Please read thoroughly before starting installation and check that kit contents are complete.**

### Items Included in the Kit:

ODB2 Programming Cable  
9002-2753 module  
Plug and Play DIFF Cam harness  
DIFF Cam R1 board  
USB update cable  
These instructions

### Tools & Supplies Needed:

Wire cutters  
Wire strippers  
Zip ties  
Electrical tape  
Heat shrink  
Torx T20  
7mm socket  
Plastic panel removal tools



### **Safety Precautions:**

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

**NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit [www.brandmotion.com](http://www.brandmotion.com)**

DIFF Cam R1 board pin outs:

Pin	Description	Color
1	12v (output)	Red
3	GROUND (-) (output)	Black
6	Manual Activation	Blue (not used for FORD)
7	CAN HI	Yellow/Black
8	Constant (+) IN	Yellow
9	CAM RCA shield	Black
10	CAM RCA positive	Yellow
12	DIFF VIDEO (-)	White
13	DIFF VIDEO (+)	Gray/Black
14	CAN LO	Orange/White



9002-2753 module pin outs:

Pin	Description	Color
1	Constant 12v (+) IN	Yellow
2	De-Program wire	White/Blue
9	CAN HI	Brown/Black
10	Ground (-)	Black
18	CAN LO	Brown



**INSTALLATION:**

1. Using plastic panel tools, remove the dash trim pieces surrounding the LCD to expose the screws securing the MyFord Touch LCD panel in place.
2. Remove the screen from the dash, disconnect all the connectors and set the screen to the side.
3. Using the Plug and Play DIFF Cam harness, connect the main Ford LCD harness (male end) to the female end of the Plug and Play DIFF Cam harness.
4. Connect the DIFF Cam R1 board to the 14 pin connector (may already be connected).
5. Ground your camera negative wire to a solid bare-metal chassis ground at the back of the vehicle and run the RCA and power connection from your rear view camera to the video interface. Plug the RCA from your rear view camera into the female RCA connector at the video adapter. **The RED wire of the video interface will output 12V+ accessory power for your camera. The output is limited to 1 amp. If your camera requires more than 1 amp to function, make sure to use a relay.**
6. Plug the factory 54-pin connector back into the monitor.
7. Leave all connections accessible and proceed to the PROGRAMMING section.

## PROGRAMMING:

*NOTE: The 9002-2753 module can only be used to activate the rear view camera on ONE vehicle and must remain with that vehicle. MyFord Touch updates may delete the rear view camera option and put the vehicle back to an "as built" state. If this happens, the unit will need to be reactivated by completing the programming steps again. Brandmotion recommends 9002-2753 module be kept with the vehicle in the glove box or other compartment at all times.*

1. BE SURE THE WHITE/BLUE WIRES ARE NOT CONNECTED.
2. Turn the key to the RUN position and keep it in the RUN position until the radio is completely booted and settled to a source screen (ie: FM radio or CD).
3. With the ignition and radio ON, plug the programming module harness into the factory Ford OBD2 plug.
4. Leave the module connected to the OBD2 until the programming sequence is complete. The radio should program and restart within approximately 20 seconds. Once restarted, the radio will go into a self-diagnostics screen. It will take approximately 1-2 minutes to boot into the radio screen.
5. Once the radio restarts, place the vehicle into reverse and verify the radio displays the rear view camera image or goes to a blank screen if a camera is not installed yet. *If the rear view camera is not already connected to the radio, the screen may take as long as 15 seconds to go to a black screen and may give you a warning that says "CAMERA FAULT".*
6. Disconnect the programming module from the factory OBD2 plug.
7. Verify that the screen displays a rear view camera image once the vehicle is placed into reverse. If the image is displayed correctly, reassemble the vehicle and place the 9002-2753 programmer into the glove box of the vehicle.

## FAQ:

Q. The radio went through the programming sequence but I have a blank screen or distorted view of the camera image when I place the vehicle into reverse.

A. Verify that the video adapter and the rear view camera have sufficient power and ground. If using the reverse lamps to power the camera, a relay is required. The lamp output has a low current rating and will not drive a camera. The red wire on the video adapter provides a 1 AMP accessory output for your convenience.

Q. The rear view camera image is distorted and lacks color.

A. Check that the video adapter violet and white/violet wires are populated in the proper pin locations, and that the camera has sufficient voltage and a proper ground.

Q. The system went through the programming sequence, but the screen doesn't go into rearview camera mode.

A. Verify that the white/blue wires weren't connected when programming.

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