

250-8420-MOD MyFord Touch Installation Manual

Full plug and play programming and power kit,
for Ford Vehicles with 8" MyFord Touch Displays

Required for Install:

1. Ford Vehicle with 8" MyFord Touch Display and OEM Rear Camera
2. 250-8420-MOD Installation Kit
3. Auxiliary Camera With RCA Video Connection

Vehicle Applications: Must have MyFord Touch 8in Monitors and OEM Rear Cameras

2011+ Edge, Explorer, MKX

2012+ Focus

2013+ C-MAX, Escape, F-150, F-250, F-350, F-450,
F-550, Flex, Fusion, MKS, MKT, MKZ, Taurus

2014+ Fiesta, Transit

2015+ Mustang

250-8420-MOD Contents:

1. 250-8421 Module with Accessory Harness
2. 250-8420 Plug and Play T-Harness for MyFord Touch Vehicles



Step 1: Dip Switch Configuration

Modules must be configured before first use. To configure, please consult the following chart based on your application. **DIP Switches must be set with module disconnected from power!!**

(1) Indicates a dip switch in the ON/UP position

(0) Indicates a dip switch in the OFF/DOWN position

| Dip Switch Setup | Description |
|------------------|--|
| 10010 | MyFord/MyFord Touch Aux Camera Addition – Automatic Program (Module Programs Itself On First Use) |

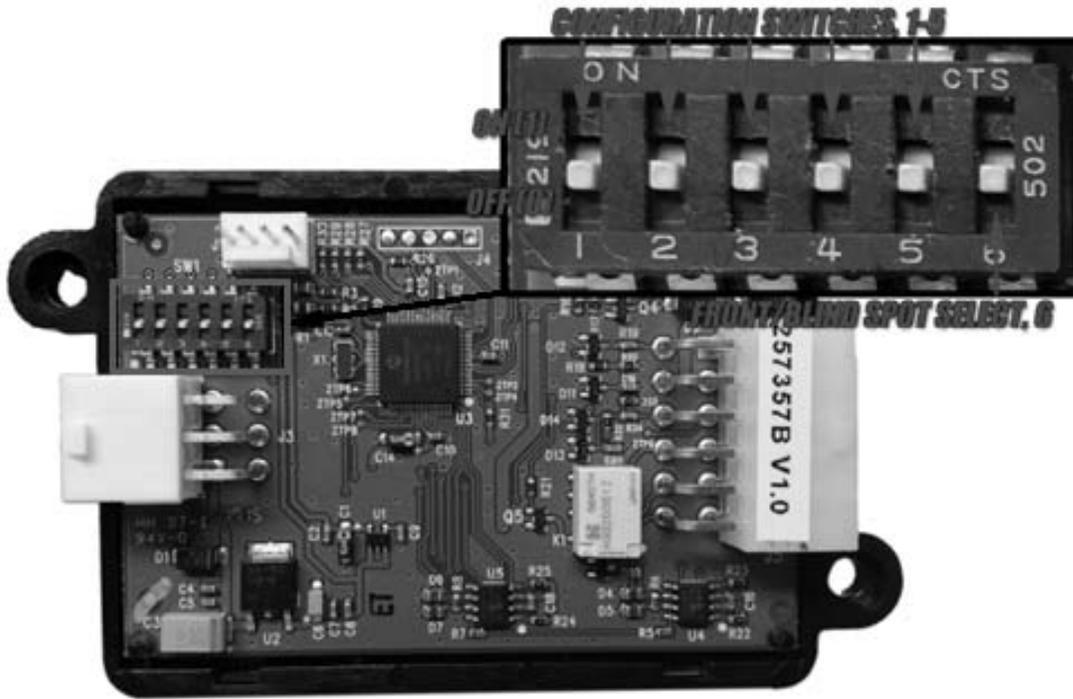
Recommended Dip Switch Configuration

DIP Switches must be set before installation for module to work properly. Failure to do so may result in unintended consequences.

Use the dip switch configuration guide to set the first five switches to the corresponding profile, setting them from left to right with 1 meaning ON and 0 meaning off. The 6th dip switch is only used for Auxiliary cam functions. **If you are not installing a side camera, Dip Switch #6 must be set to 0.** Failure to do so may cause the screen to go blank when turning signals are in use.

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To set the dip switches, refer to the graphic below. Only dip switches 1-5 set the main configuration. The 6th dip switch changes between Front/Aux camera mode(OFF/0), and Blind Spot/Cargo camera mode(ON/1).

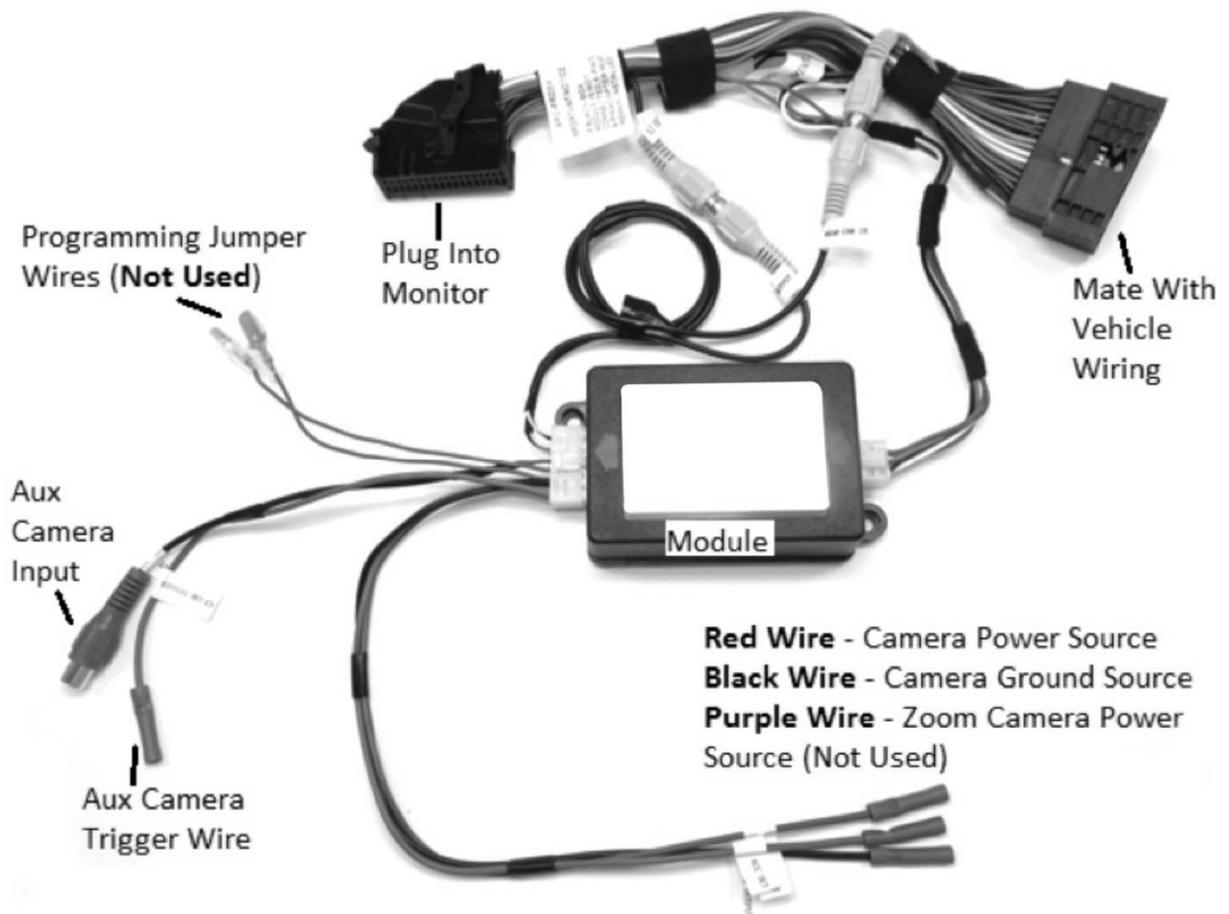


Step 2: Wiring

Note: Before installing T-Harness, ensure car is given time to fully “shut down”. You can do this by turning the car off, opening and closing the driver’s door, and allowing the car to sit for 5 minutes.

There is only 1 application of this kit.

- Adding an Aux Camera to a vehicle with an OEM Rear Camera (Wiring Shown Below)



Auxiliary Camera Wiring Info

- The factory OK Button (**More Info on Page 6**) can be used to engage the Front/Side Aux Camera.
- If you are using a Front Aux Camera in your application, but want a different way to engage the Aux Camera than the factory OK Button (**More Info on Page 6**), the green Aux Camera Trigger wire can be attached to a ground source switch to have a different way to engage the aux camera.
- If you are using a Blind Spot Side Aux Camera in your application, your vehicle might automatically engage the side camera when the right turn signal is activated (**Meaning the Aux Camera Trigger Wire WON'T Need to be Used**). Test this by wiring everything correctly and using the turn signal to see if the camera is activated. If your vehicle doesn't engage the side camera automatically, the green Aux Camera Trigger Wire needs to be

attached to a ground source from your turn signal system to allow engagement of the Aux Camera when the right turn signal is used.

Additional Notes

- This system only allows for **1 AUX CAMERA**.
- **The Programming Jumper Wires must be disconnected and isolated to prevent accidental programming.**
- The 6-Pin to 4-Pin Harness adapter needs to be removed from the T-Harness as it is a bypass harness used to bypass the module and resume factory function of the Display.



Step 3: Verify System Operation

Note: Disconnect and isolate the Programming Jumper Wires to prevent accidental programming.

Your display should now be programmed to accept a backup camera. To test this system your backup camera must be connected to the correct RCA connection, power, and ground (Shown in the diagrams of step 2). Start the vehicle and place the vehicle in reverse with your foot firmly on the brake. The display should switch to the backup camera at this time. If it does not, please see the next step.

Step 4: Troubleshooting

If vehicle is placed in reverse and display reads "Camera Not Available", programming was successful, but the display is not getting a video signal. This can be caused by any of the following:

1. The backup camera video output is not connected to the correct video input. (Check the wiring diagram for your application)
2. The backup camera is not powered on. (Test for battery voltage with the car on)
3. Display is not compatible with a camera (See compatibility guide)
4. The dip switch configuration is wrong. (Check dip switch configuration and reprogram the module)
5. The module isn't properly/fully programmed. (Check dip switch configuration and reprogram the module)

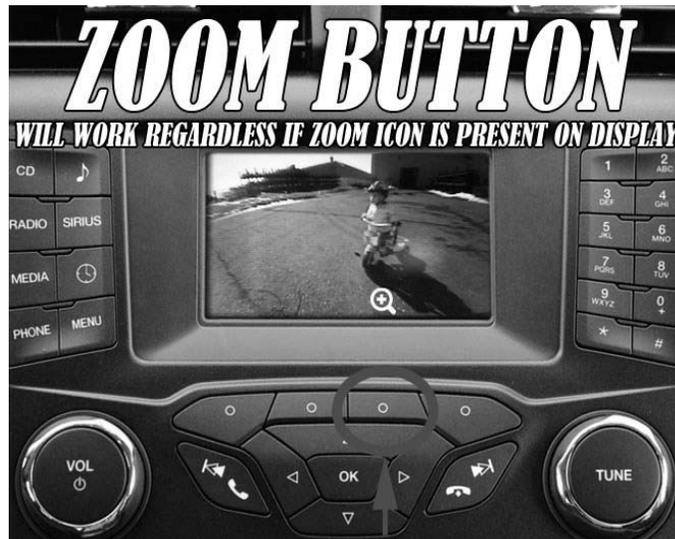
Important Notes

- Camera must be connected to RCA connection and power before testing. If camera is not properly connected before vehicle is put in reverse, a "Camera Not Available" message will display and the camera will not function until the vehicle is power cycled. If this message is present, the programming was successful, but the display is not seeing a video signal.
- Depending on vehicle configuration, display may stay in reverse camera mode until vehicle is driven to a pre-determined speed. This is a factory function.
- Some displays will show a magnifying glass (zoom) icon on the display. This is meant to be used with an OEM Camera with zoom function. It is not compatible with any aftermarket cameras and cannot be disabled.

Additional Information

MyFord Camera with Zoom Button Output

This mode is identical to MyFord Rear Camera with Optional Aux Camera, but the "Reverse Output" purple wire will now offer a 12V+ Output when the OEM "Zoom" button is pressed on the display/button panel. This will work whether the display is equipped with a factory "zoom" button or not. **This mode will only work with an aftermarket camera with a manually activated zoom function. May require a relay for installation using ground-switched cameras.**



MyFord/MyFord Touch OK Button

The auxiliary camera can be activated by pressing and holding the “OK” button for 3 seconds on either the radio controls or the steering wheel controls. A simple press of the OK button will exit Front/Cargo/Blind Spot camera modes.

For manual/hardwire activation, use the green wire to connect to a ground activation to enable the auxiliary camera.

