

250-8418-MOD Chrysler CMC Installation Manual

Full plug and play programming and power kit,
for Chrysler Vehicles with CMC Radios.

Required for Install:

1. Chrysler Vehicle with CMC Radio
2. 250-8418-MOD Installation Kit
3. Backup camera with RCA video connection

Vehicle Applications: Chrysler Vehicles with CMC Radios

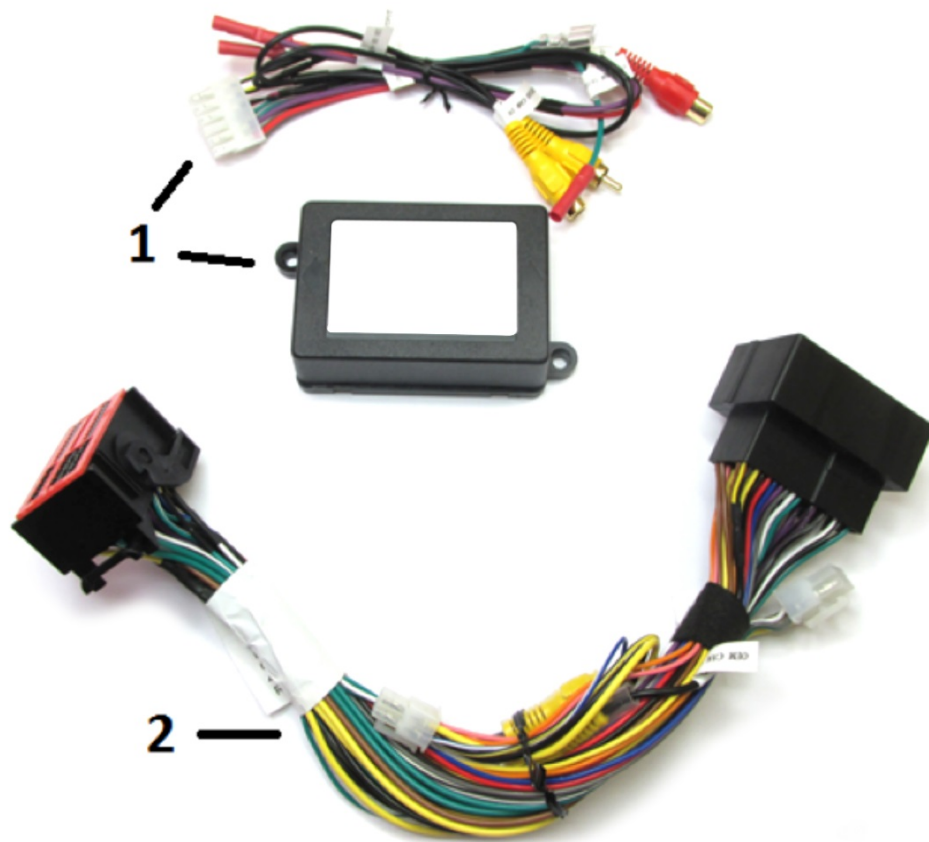
2013+ Ram Truck

2014+ Grand Cherokee, Durango

2015+ Charger, Challenger, 300

250-8418-MOD Kit Contents:

1. 250-8421 Module with Accessory Harness
2. 250-8418 Plug and Play T-Harness for Chrysler CMC 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

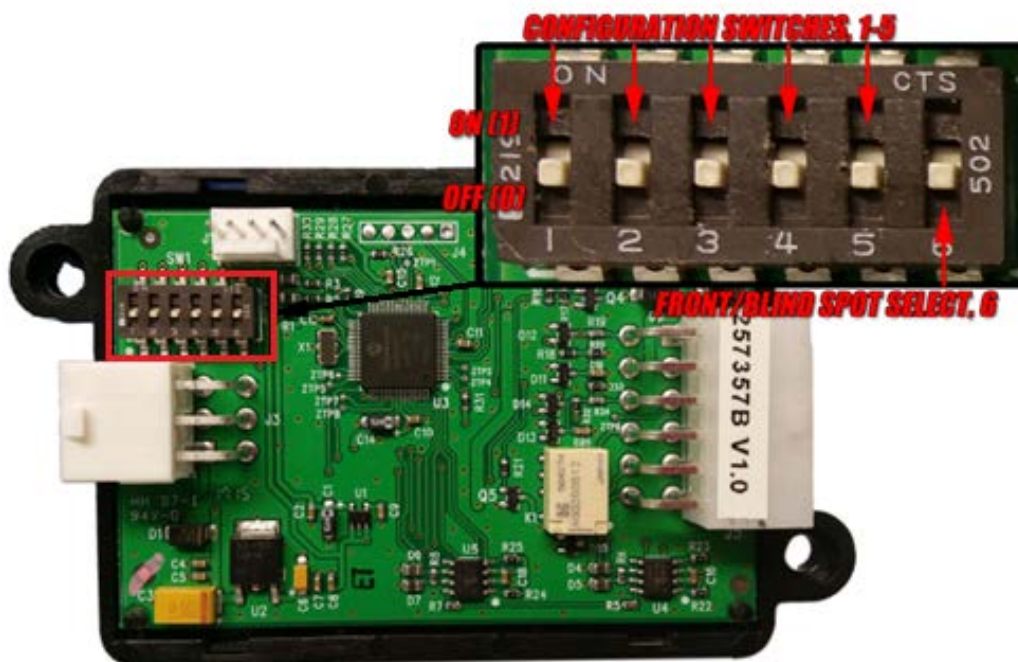
Recommended Dip Switch Configurations

Dip Switch Setup	Description
01110	CMC Aux Cam Addition (RA2, RA3, RA4)
00111	CMC Chrysler Rear Camera with Optional Aux Camera (RA2, RA3, RA4)

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.

i 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 are 4 different applications of this kit.

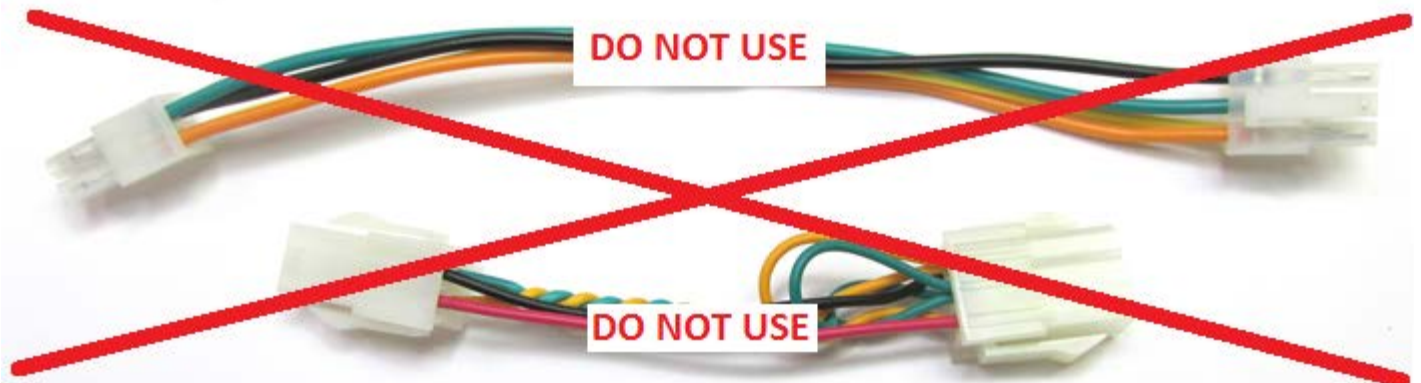
- Adding an Aux Camera to a vehicle with an OEM Rear Camera (**Use 01110 Dip Switch Configuration**)
- Adding a Rear Camera to a vehicle with an OEM Cargo/Aux Camera (**Use 00111 Dip Switch Configuration**)
- Adding a Rear Camera and an Aux Camera to a vehicle with no other Cameras (**Use 00111 Dip Switch Configuration**)
- Adding Rear Camera to a vehicle. (**Use 00111 Dip Switch Configuration**)

Auxiliary Camera Wiring Info

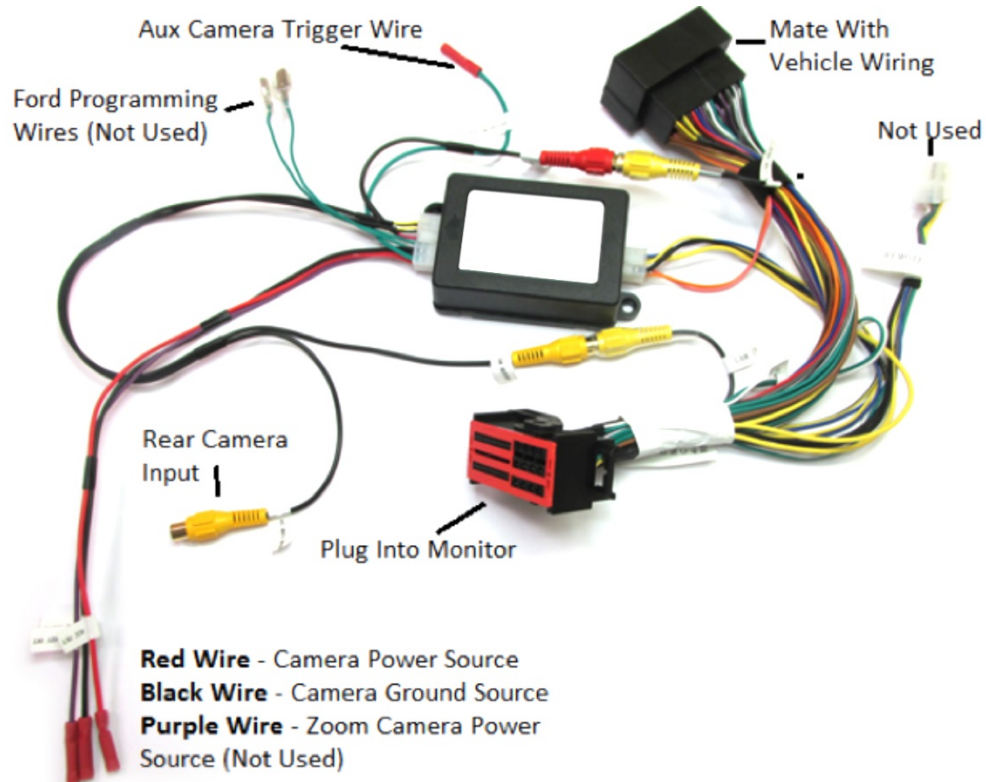
- If you are using a Front Aux Camera in your application, the green Aux Camera Trigger wire must be attached to a ground source switch in order to engage the Front Aux Camera.
- If you are using a Blind Spot Side Aux Camera in your application, your vehicle will automatically engage the side camera when the right turn signal is activated (**Meaning the Aux Camera Trigger Wire WON’T Need to be Used**).

Additional Notes

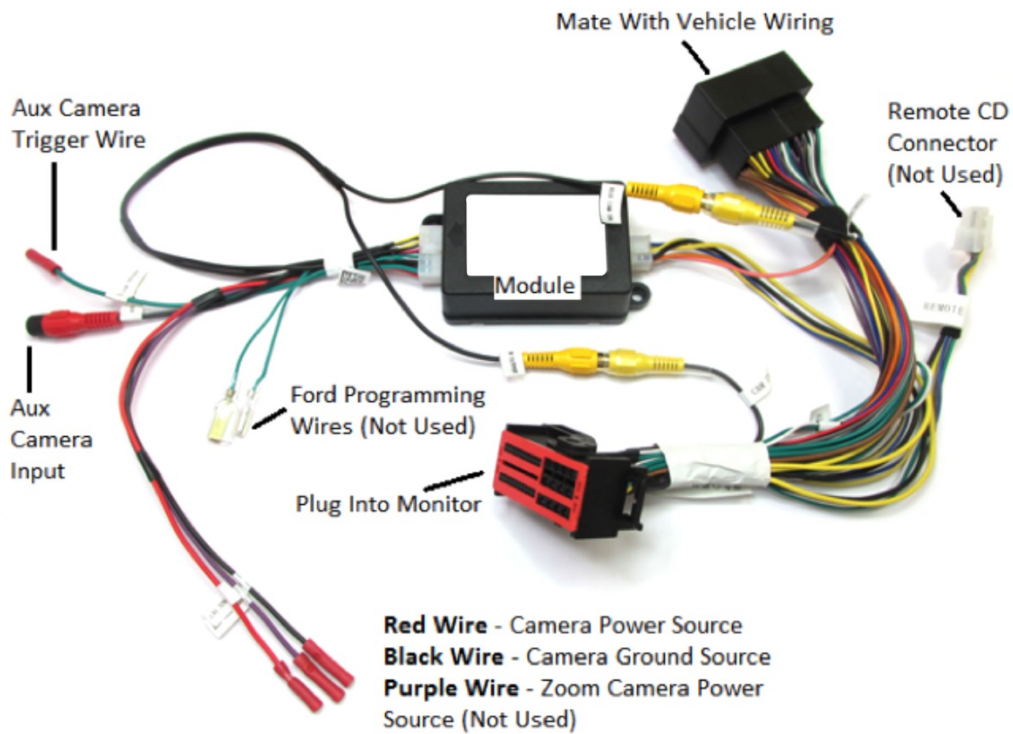
- This system only allows for **1 Aux CAMERA**.
- The 6-Pin to 4-Pin Harness adapter needs to be removed from the T-Harness as it is a bypass harness used to bypass the module and resume factory function of the Display.



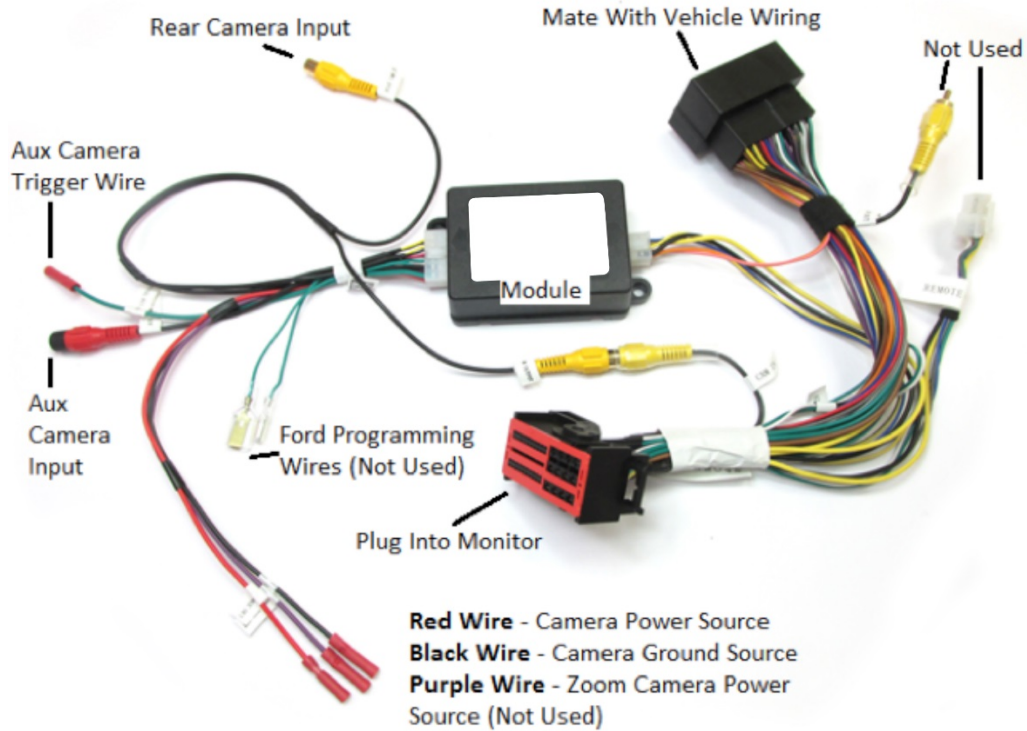
Aftermarket Rear Camera and 1 OEM Aux Camera Wiring



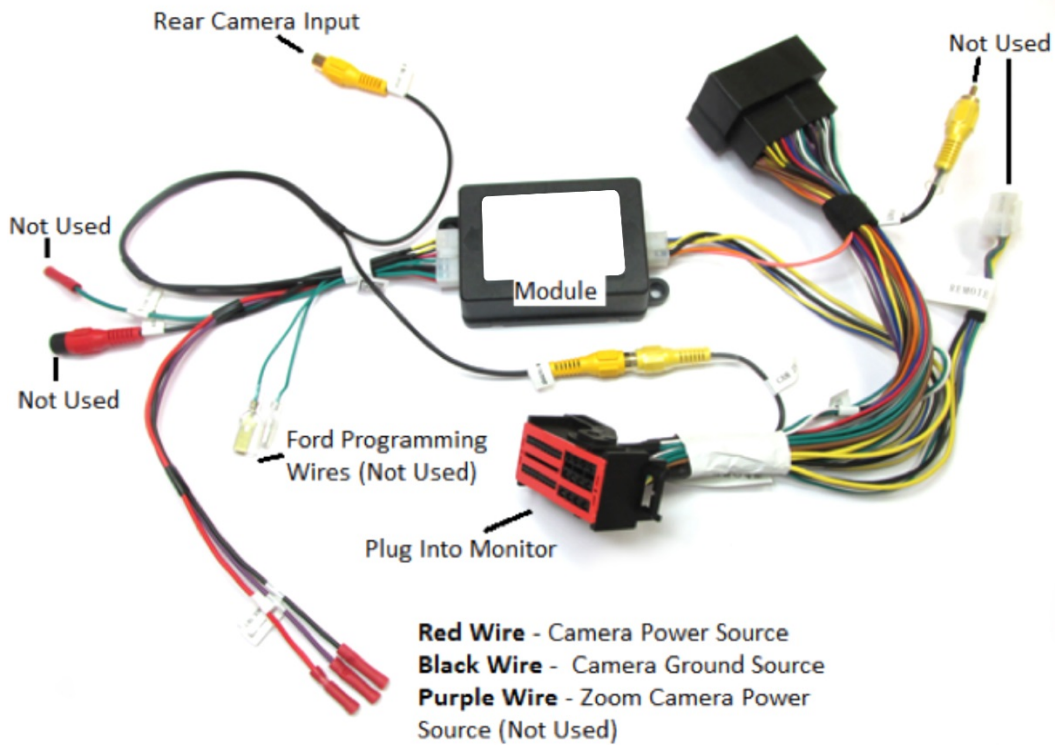
OEM Rear Camera and 1 Aux Camera Wiring



Aftermarket Rear Camera and 1 Aux Camera Wiring



Aftermarket Rear Camera Only Wiring



Step 3: Programming Procedure

With camera connected and powered using the appropriate connections shown in the wiring diagrams of step 2, power vehicle on, and then shut off allowing the radio to fully shut down once more. **Note: The radio must perform two full power cycles after module is installed to accept new programming.**

Step 5: Verify System Operation

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 (Via the camera power source wire shown in the diagrams of step 3 or from the backup light circuit), and ground. 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 6: Troubleshooting

If vehicle does not go into camera mode when placed in reverse, verify the DIP switch settings and try turning the vehicle on and off with a full shutdown once or twice more. If this does not work, disconnect the negative battery for 5 minutes and reconnect.