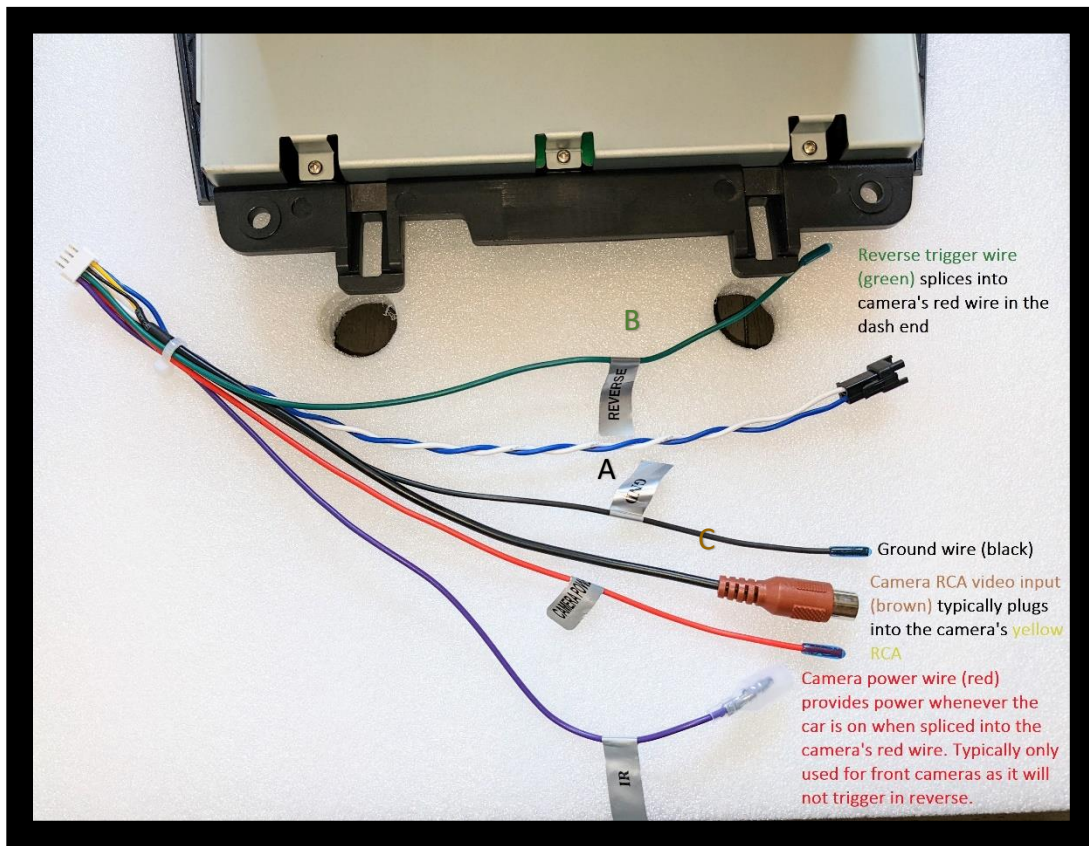


## Wiring Diagram of the Universal Camera → Dynavin 8 Pro (General Guide)



1. Attach the **BLACK** “GND” ground wire (A) to a ground point on the chassis.
2. Splice the camera’s **RED** power wire at the trunk end (not pictured) to the car’s reverse light circuit at the taillight. If unsure which wire is for the reverse light, use a voltmeter and test for 12V.
3. If **NOT** installing to a Dynavin for a BMW E46/E39/E53 or Porsche Boxster/Cayman/911/Carrera, cap the end of the camera’s **RED** wire at the dash end. Skip step #4.
4. If you **ARE** installing in a BMW E46/E39/E53 or Porsche Boxster/Cayman/911/Carrera, splice the **RED** power wire to the **GREEN** “REVERSE” wire (B).
5. Connect the **YELLOW** RCA from the camera wire to the **BROWN** camera video input RCA (C) on the Dynavin camera harness. This is your video connection.
6. The Dynavin camera harness plugs into the back of the unit as pictured in the image below (circled in yellow).



See “Troubleshooting” on the next page...

Echomaster universal camera



### Troubleshooting – No Image:

- We do not recommend using the “Scotch-Lock” wire connection method as it is unreliable.
- If you’ve completed all the connections on the previous page and the camera image is not displaying on the screen automatically in reverse, try completing Step #4.
- If you don’t use the green trigger wire and instead connect the red wire to the red “Camera Power”/“Reverse Camera 12V” wire, the camera will be on when the car is on and will typically not be triggered in reverse (depending on the car). Complete Step #4 for the camera to come on in reverse. The constant 12V power wire is typically used with front-facing cameras and is accessed from the main menu via “A/V IN”.
- It's common with BMWs to have issues with reverse cameras as the lighting circuit on these cars has a lot of noise on it. The best way to avoid issues is to power the camera directly off the battery via a relay using the reverse light circuit to trigger the relay. Use a standard 5-pin automotive style relay. If you are not familiar with how to do this, google "backup camera relay diagram" for your specific car. For a BMW X5, check out this forum thread (scroll down to post #44 and there is a diagram showing the relay connections):  
<https://xoutpost.com/electronics/mobile-electronics-forum/57304-bkup-camera-relay-wiringproblems-5.html>

Contact [support@dynaminnorthamerica.com](mailto:support@dynaminnorthamerica.com) for install help/troubleshooting.