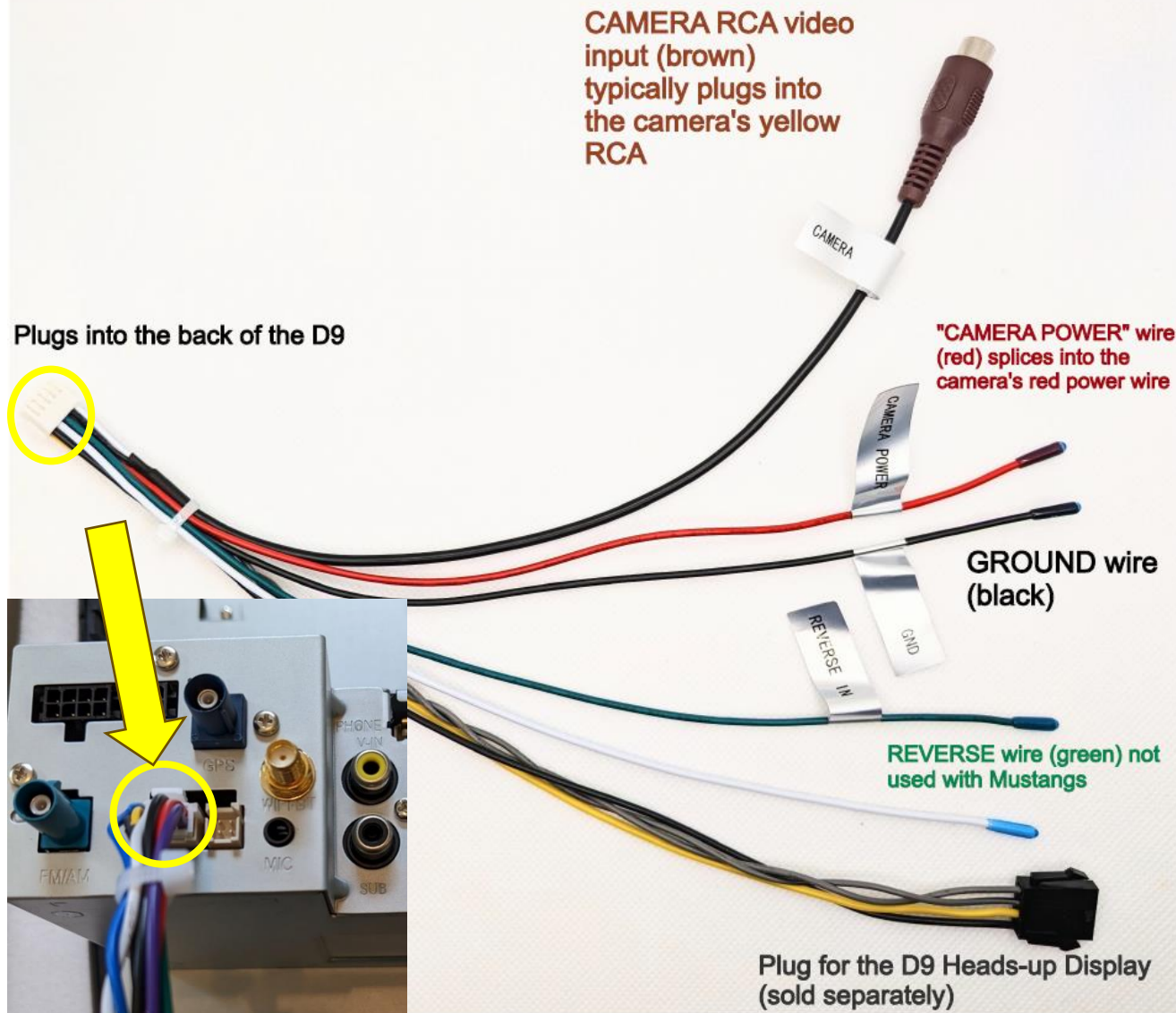


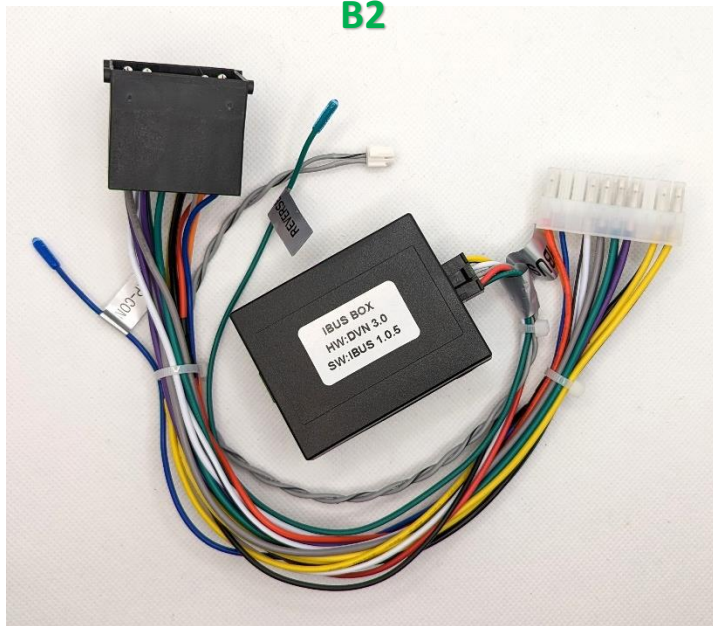
Wiring Diagram for installing a Universal Aftermarket Reverse Camera → Dynavin 9

Dynavin 9 Camera Harness



1. Attach the camera's **black** ground wire to a ground point on the vehicle's chassis or to the **BLACK** "Ground" wire.
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 in reverse. If installing in a Mustang 2010-2014, you can skip this step and connect the camera's **red** power wire at the front end to the **RED** wire labeled "CAMERA POWER".
3. If **NOT** installing to a Dynavin in a BMW E46/E39/E53, Porsche Boxster/Cayman/911/Carrera **OR** a Mustang 2010-2014, cap the end of the camera's **red** wire at the dash end. **GO TO STEP #5.**
4. If you **ARE** installing in a BMW E46/E39/E53 or Porsche Boxster/Cayman/911/Carrera, splice the camera's **red** power wire to the **GREEN** "REVERSE" wire. 5. Plug in the **YELLOW** RCA from the camera wire to the **BROWN** camera video RCA.
6. The Dynavin camera harness plugs into the back of the Dynavin radio as pictured to the left.
7. If you **ARE** installing a reverse camera in a BMW E46/E39/E53 **with PDC sensors**, see **STEP #8** on the next page.

**D9- E46/E39/E53 main wire harness with CANbus box
(round or flat pin harness depending on the car)**



8. For **BMW E46/E39/E53 cars with PDC sensors**, you will need to splice the **GREEN** “REVERSE” wire (**B2**) pictured left on the main wire harness to the **GREEN** “REVERSE” wire on the camera RCA harness pictured on the previous page. (In this case you will have three wires spliced together: the two **GREEN** “REVERSE” wires AND the one **red** power wire from the camera.)

9. After installation, use a paperclip to push in the round reset button or hold down the MENU/MODE/SRC button until it reboots.

Example: Echomaster universal camera (right)

- Yellow RCA video connection
- Red power wires (front & rear)
- Black ground wire



Troubleshooting:

- Troubleshooting – no Image or black screen: 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” wire on the aftermarket camera RCA harness, 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 automatically 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 for BMWs to have issues with reverse cameras as the reverse 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@DynavinNorthAmerica.com for install help/troubleshooting.