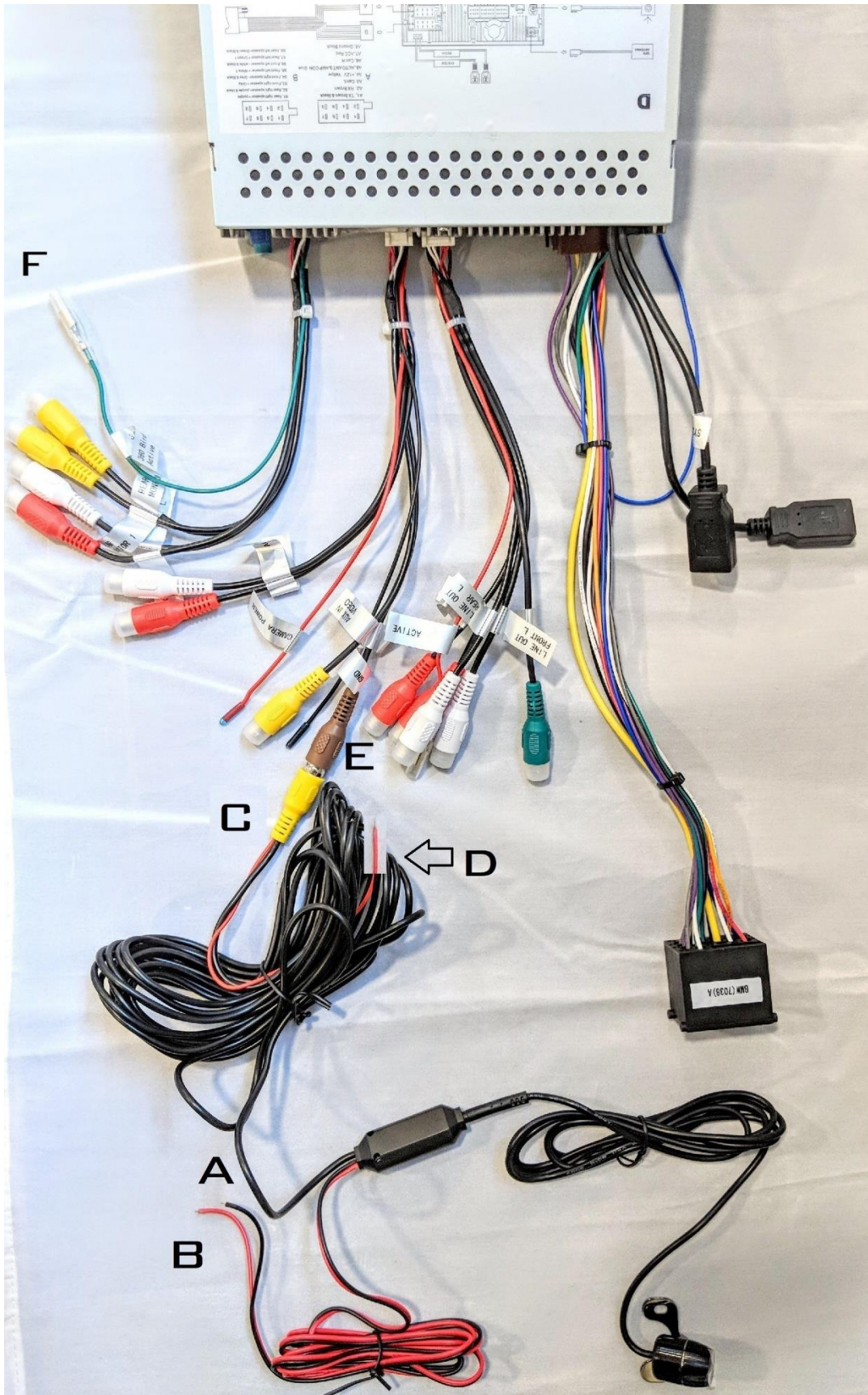


Wiring Diagram of the Universal Camera to the Dynavin N7/N7 PRO



1. **BLACK** Wire (A) to a ground point on the chassis.
2. **RED** power wire (B) to reverse light circuit in the trunk area. If unsure which wire is the reverse light, use a voltmeter and test for 12V.
3. If **NOT** installing to a Dynavin for E46, E39, or E53, skip this step and simply cap the end of the **RED** wire (D). If you **ARE** installing to an E46/E39/E53, connect the **RED** power wire (D) to the **GREEN** "Reverse Trigger" wire (F) or "360 Birdview Active" wire (F) . Label varies.
4. Connect the **YELLOW** RCA (C) from the camera wire to the **BROWN** RCA labeled "Camera" on one of the three RCA wire harnesses included with the Dynavin. This is your video connection.
5. From the Dynavin's main menu (SRC/MODE/MENU), go to "System" and under "Reverse" make sure that "CAM" or "CAM+PDC" is enabled. On the N7 PRO, make sure "Aftermarket Camera" is selected. PDC will be enabled automatically.

The universal camera can be installed as a front and/or reverse camera. Reverse wiring is depicted here. Most universal cameras will follow the same install instructions.



Troubleshooting:

- 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 not be triggered in reverse. Follow step #3 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 "AUX".
- It's pretty 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-wiring-problems-5.html>