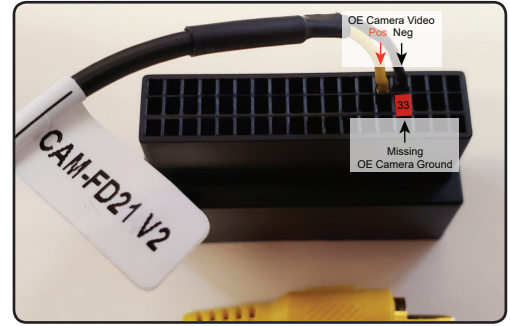


Overview

Symptom: No video signal from the OE Ford back up camera after installing the PAC CAM-FD21, or RPK4-FD2201.

Cause: A ground wire is required for the OE camera in select vehicles equipped with SYNC.

Solution: Add a ground wire to the CAM-FD21 harness, or connect ground to the OE wire on the corresponding pin location in the OE harness.



Harness Modification

- To gain access to the wires at the back of the 54-pin radio connector, you will need to remove the connector from the connector housing. Looking at the side of the connector that the wires exit from, you will notice two small tabs that secure the connector into the housing. Using a small flat head screw driver, press each of the tabs towards the outside of the connector (Fig. 1a).
- Slide the connector out of the housing (Fig. 1b).
- Looking at the wire side of the 54-pin radio harness, locate the wire coming from pin 33 (typically a Black wire). This is the wire that requires a ground to allow the reverse camera to operate. Also locate pin 37 (typically Black / Gray). This is a wire that can be used to supply ground to pin 33 (Fig. 2).
- Prior to making any connections to the 54-pin connector, make sure to verify that you are on the correct pin positions. The wire color may vary in some vehicles.
- Solder or military splice* a small piece of scrap wire (18 gauge or larger) to pin 37, and the other end to pin 33, and insulate the connections with electrical tape.
- Insert the 54-pin connector back into the housing and connect it to the CAM-FD21 harness.
- Test the radio for a reverse camera image.

