DSP Camera Adapter

This product works with Furrion side maker lights with camera prep. This can be used with most aftermarket 63 mm diameter, 12-volt wireless cameras. These cameras usually look like this:

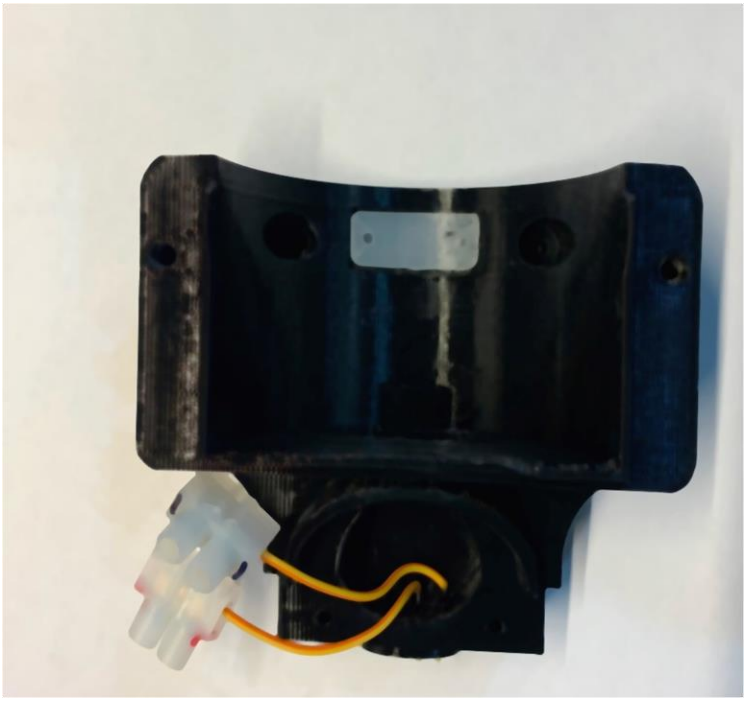
~Installation guide~

These steps are demonstrating installation on a 2022 Jayco Jayflight. Other models may be different.

Disassemble the aftermarket cameras. For this model, remove the 3 screws from the top of the camera housing. Remove the nut that holds the antenna bulkhead in place. Lift the top of housing off and remove camera and rubber pad from below camera.

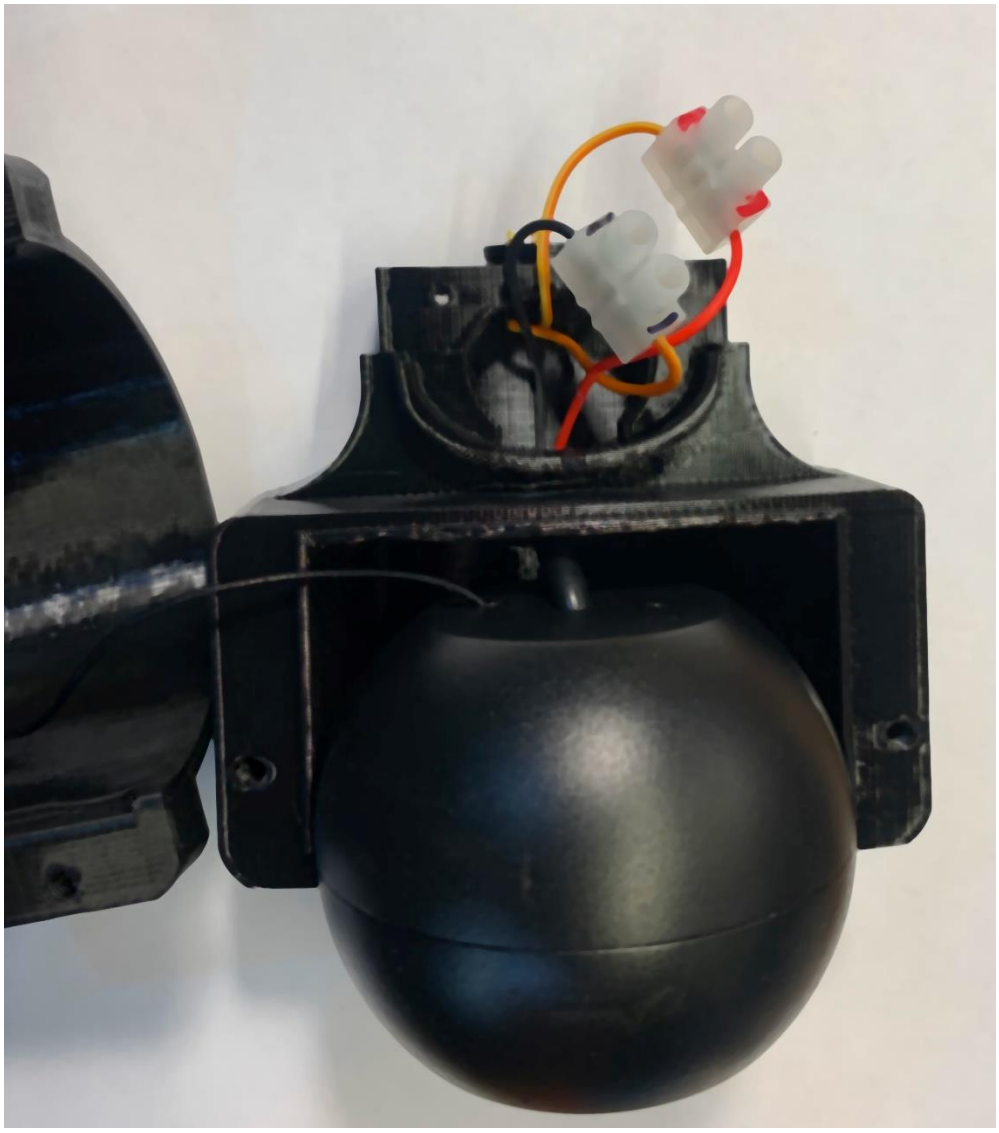
Cut the power wire from the back of the camera roughly 3” from the back of the camera. Strip the outer rubber coating from this wire, starting at 1” off the back of the camera to expose the black and red wires. Strip the coating of the black and red wires roughly ¼” from the end. (OPTIONAL, tin the end of these wires with solder.)

Install the rubber pad on the base of the DSP camera adapter.



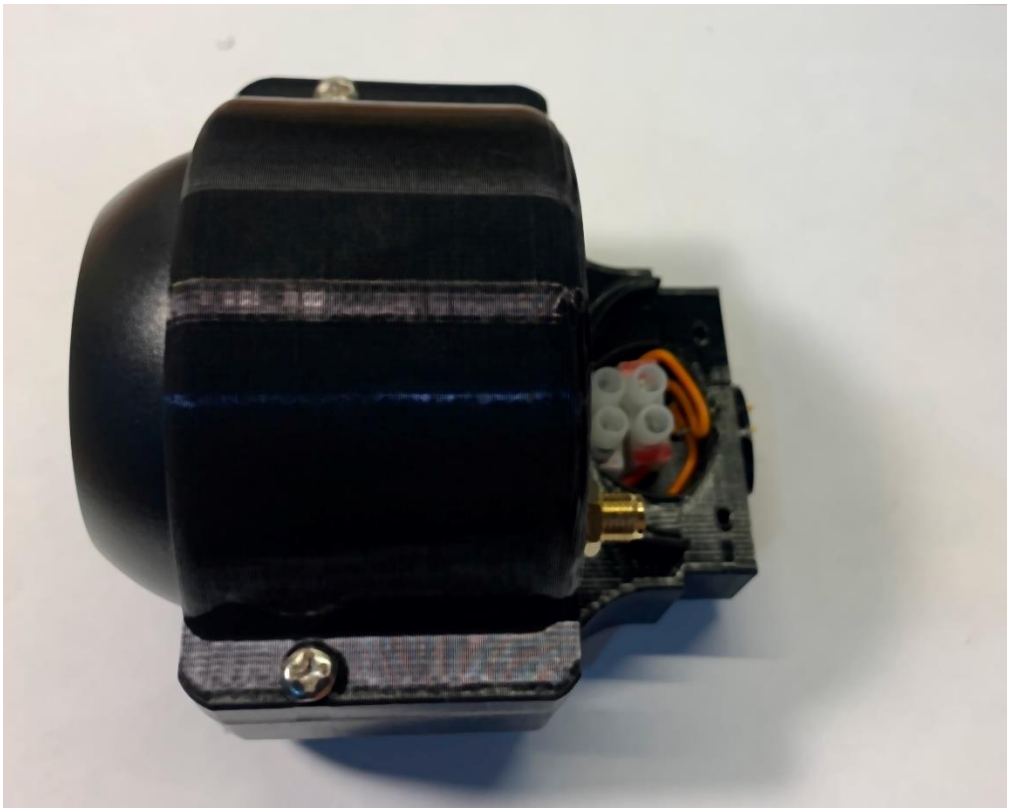
Attach the camera antenna bulkhead through the hole in the adapter top. Tighten the nut on the outside. Note, the tops can be interchangeable between sides. This will allow the antenna to be on the top or the bottom of the adapter when installed depending on installer preference.

Run the wires from the camera to the front connector through the passage. Connect the RED wire to the RED terminal block, connect the BLACK wire to the BLACK terminal block. Tighten the terminals with a small flat blade screwdriver.



Use care to install the terminal blocks in the hole. No wires should be routed under the terminal blocks to ensure they will have clearance. Set the camera in the saddle mount on top of the rubber pad.

Install the top of the camera adapter. Ensure the power wire and the antenna wire are routed just behind the camera before securing. Hold the top and insert the 2 screws from the original camera housing and snug. Do not over tighten the screws.



Next remove the orange marker lens from the Furrion maker light on the RV. There are slots on the top and bottom where you can gently pry with a flat screwdriver to remove.

Remove the 2 square head screws that hold the adapter blank to the marker lens and remove the blank by pulling it to the rear of the RV. Remove the O-ring from the adapter blank and install it on the DSP Camera Adapter on pin extension area.

Losen the 4 Phillips screws. The 2 facing the rear of the RV are likely bending the adapter plate like shown below.

To correct, insert a small washer or other spacer between the plastic mount and the rubber gasket. Resecure these 2 screws. If it is flat already. Only loosen the 2 screws in the front of the marker.

Slide the DSP Camera Adapter on the rails of the side marker and push firmly. **NOTE, the right-side DSP Camera Adapter will have the electrical contact pins in the bottom 2 slots towards the ground. The left-side will have them on the top. Left and right sides are referenced as you would be in the RV facing the tow vehicle.** The 2 holes that contained the square drive screws should now line up with the DSP Camera Adapter. Gently secure the 2 square drive screws. Secure the front 2 Phillips screws from the side maker to the RV.

If you feel the marker lens plastic is not holding the camera properly, there are 2 spots under the camera you can use to secure the camera to the RV. This however will require you to drill into your RV, the use of rubber washers and/ or silicone to seal holes is recommended.

You now can install the antenna to the antenna bulkhead and snug.

Install the marker light lens by pushing the end near the DSP Camera Adapter first, then pushing the front down firmly until it’s locked in place.

You can now connect to the tow vehicle and turn on the marker lights. To adjust camera orientation, loosen the 2 DSP Camera Adapter top screws slightly enough to allow the camera to rotate. Adjust the rotation and position for the best view, re-secure the screws.

The finished product should look similar to this.


This vehicle contains composite wood product
with applicable California Code of Regulat
93120.2(a) formaldehyde emission standards
the date of manufacture.