

# **HUSKY** **ALUMINUM ACCESSORIES** *Tailgates • Conracks • Sunshades*

## **15168 BACKUP CAMERA KIT**

2009 THRU 2013 Ford F-150

NOTE: This kit is ONLY for Ford F-150 pickups that already have the factory back up camera option

The following pages provide instructions for removing the Ford F-150 backup camera from your factory Ford tailgate and installing it in your new Husky Aluminum 5<sup>th</sup> wheel tailgate. If you prefer not to remove the camera from your Ford factory tailgate you will need to purchase a camera, part #AL3Z19G490A from your local Ford parts department. Always provide your pickup serial number as part numbers and revisions may change.

### CONTENTS

- PN 15138-2 Front Housing 1 each
- PN 15138-3 Rear Housing 1 each
- PN 15138-5 Mount Bracket 1 each
- PN 15168-4 Hole Template 1 each
- #8 x 1/2 Phil Truss SMS Screws 4 each
- #8 x 5/8 Phil Truss SMS Screws 2 each
- 1/4 OD x 11/64 Bushings 2 each
- 5/32" Push Rivets 2 each
- .615 x 1 5/16 Rubber Washer 1 each
- Instructions 1 each

### TOOLS REQUIRED

- 7 mm Wrench
- T-25 Torx Wrench
- Phillips Screw Driver-Med
- Masking Tape
- Screw Driver-Med
- Drill
- Center Punch
- 11/64 Drill Bit
- 9/64 Drill Bit
- Scissors
- 5/64 Drill Bit



**Photo 1**



**Photo 2**

Place a screw driver blade between the Ford emblem and the emblem/camera lower housing and gently pull the emblem to separate it from the housing. (The emblem cannot be removed without breaking the retaining tabs that are on the back side of the emblem.)



**Photo 3**



**Photo 4**

Remove two 7mm bolts and separate the emblem/camera lower bracket from the tailgate. Depress the connector latch on the camera/harness connector and pull the harness from the camera.



**Photo 5**

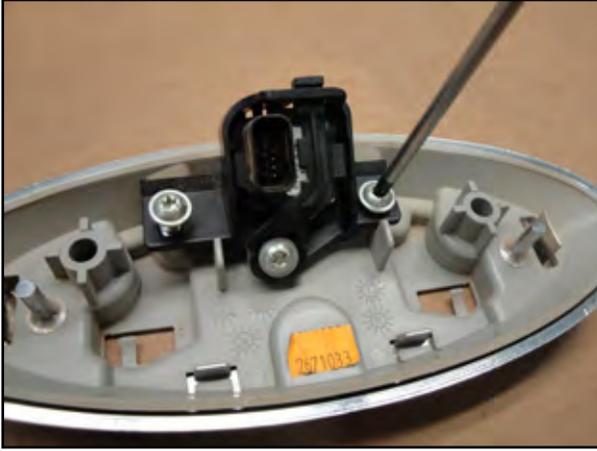


**Photo 6**



**Photo 7**

Locate the harness retainer at the mid lower part of the tailgate between the tailgate and the pickup box. Remove the retainer from its hole. From under the rear of the pickup locate the camera harness connector and disconnect it by depressing the connector latch and pull the connector halves apart. Remove the harness from the tailgate and the pickup box.



**Photo 8**



**Photo 9**

Remove three T-25 Torx screws and separate the camera/bracket assembly from the lower housing.



**Photo 10**



**Photo 11**

Gently push the larger snap retainer on the camera bracket with a screw driver to separate the camera from the camera bracket.

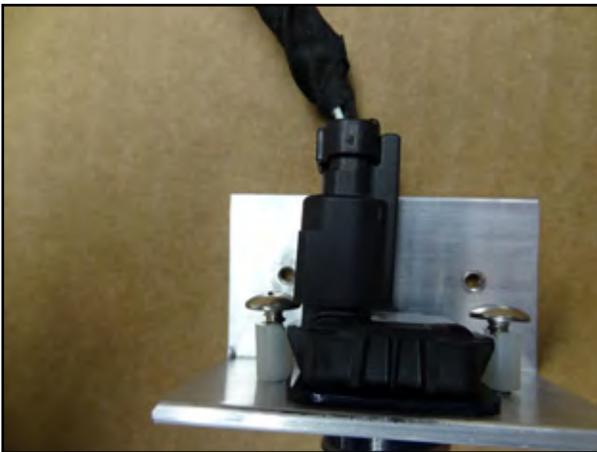


**Photo 12**



**Photo 13**

Slide the two bushings onto two #8 X 5/8 screws with the bushing chamfer adjacent to the screw head. Connect the harness to the camera and position the camera/harness assembly in the 15138-5 mount bracket.



**Photo 14**



**Photo 15**

Position the two screw/bushing assemblies into the camera retaining screw holes in the 15138-5 mount bracket with the camera assembly in place. Align the chamfers on each busing with the retaining wedges on the camera and tighten the two screws.



Photo 16



Photo 17

Cut the “tailgate hole pattern” templates from the 15168-4 sheet. Position and tape the vane template on the backside (the side of the tailgate that would be to the inside of the pickup box) of the second vane below the Husky Tailgate center handle. See images above. The hole locations should be centered horizontally and 1/2 inch from the top edge and 1 1/2 inch from the bottom edge of the vane. Center punch the two hole locations and remove the template. Predrill the two center punched hole locations with a 5/64 inch (.078) drill bit perpendicular to the surface of the vane. Then drill with a 11/64 inch (.172) drill bit. The predrill prevents the larger drill from wandering and mislocating the holes. Position and tape the bottom template on the bottom of the Husky Tailgate. The hole locations should be centered horizontally and 5/8 inch from the top edge and 7/8 inch from the bottom edge of the D shaped bottom tubing. Center punch the two hole locations and remove the template. Drill the two center punched hole locations with a 9/64 inch (.140) drill bit perpendicular to the surface of the D shaped tube.



Photo 18



Photo 19

Position the 15138-3 rear housing on the Husky Tailgate, align the holes, position the camera/bracket assembly on the holes, with the harness connector positioned as in the above photos. Install the two #8 X 1/2 long Phillip Truss head screws through the vane, rear housing and into the camera bracket and tighten. Install the .615 ID X 1 5/16 OD rubber washer by gently stretching it over the head of the camera.

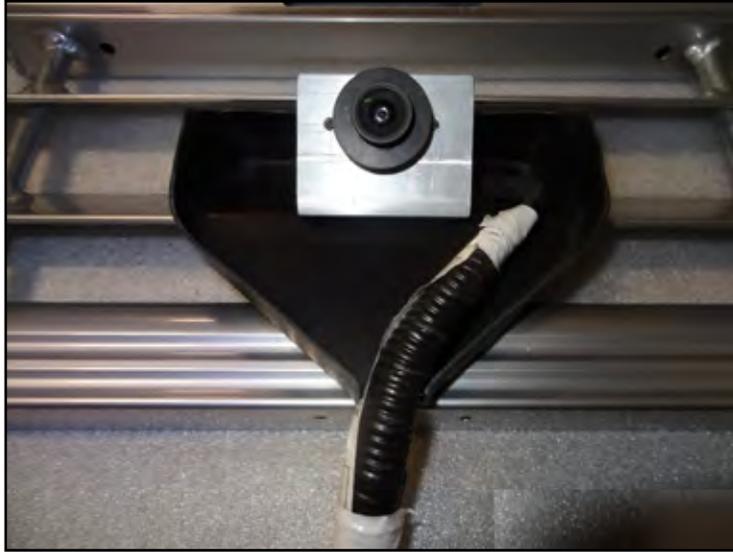


Photo 20



Photo 21



Photo 22

Route the harness per the above image and snap the 15138-2 front housing in place. Position the two push rivets in the 3/16 holes on each side of the front housing and with your thumb snap them into place through the front and rear housing. Install two #8 X 1/2 Phillip Truss head screws through the lower portion of the 15138-2 front cover and into the two existing holes in the bottom of the Husky Tailgate and tighten. It may be necessary to loosen slightly the two screws that go into the camera bracket to adjust the position of the front and rear housings to center the camera in the front housing.

## INSTALL HUSKY TAILGATE

Per tailgate installation instructions

Place the camera harness connector through the hole in the pickup bed it originally came out of and install your Husky Tailgate. From under the rear of the pickup (or from between the bumper and the tailgate) reconnect the camera harness connector. Check camera operation.