



15138 BACKUP CAMERA MOUNTING KIT

2009 THRU 2014 Ford Super Duty pickup

NOTE: This kit is ONLY for Ford Super Duty pickups that already have the factory back up camera option

The following pages provide instructions for removing the Ford Super Duty backup camera from your factory Ford tailgate and installing it in your new Husky Aluminum 5th wheel tailgate. If you prefer not to remove the camera from your Ford factory tailgate you will need to purchase a camera, part #9C3Z19G490E and a wiring assembly part #BC3Z14A412A from your Ford parts department. Always provide your pickup serial number as part numbers and revisions may change.

CONTENTS

- PN 15138-1 Mount Bracket 1 each
- PN 15138-2 Front Housing 1 each
- PN 15138-3 Rear Housing 1 each
- PN 15138-4 Hole Template 1 each
- PN 15138-5 Mount Bracket 1 each
- #8 x 1/2 Phil Truss SMS Screws 6 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

- 11 mm Wrench
- 7 mm Wrench
- T-30 Torx Wrench
- T-25 Torx Wrench
- Phillips Screw Driver
- Small Blade Type Screwdriver
- 5/64 Drill Bit
- Center Punch
- Masking Tape
- Drill
- 11/64 Drill Bit
- 9/64 Drill Bit
- Scissors



Photo 1

If your truck has the camera in the tailgate handle, as above, proceed.



Photo 2

If your truck has the camera in the tailgate Ford emblem go to page 8.



Photo 3



Photo 4

Lower the factory Ford tailgate and remove (8) T-30 Torx tailgate cover bolts then remove the tailgate cover.



Photo 5

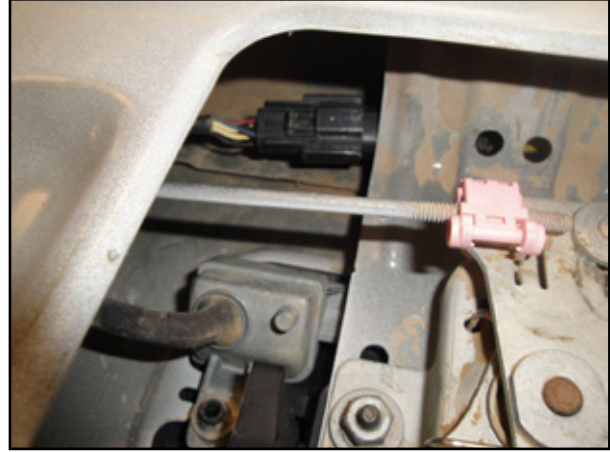


Photo 6



Photo 7



Photo 8

Remove the camera/handle assembly by removing the two 11mm handle retaining nuts. Disconnect the camera connector from the secondary camera wiring harness by depressing the connector latch and gently pulling the connector halves apart.



Photo 9



Photo 10

Remove the camera secondary wiring harness cable by pulling the harness retainer, located at the mid bottom of the tailgate, from its hole. Remove the license plate, or from under the rear of the pickup, locate the camera connector on the camera secondary harness, and disconnect it by depressing the connector latch and pulling the connector halves apart.

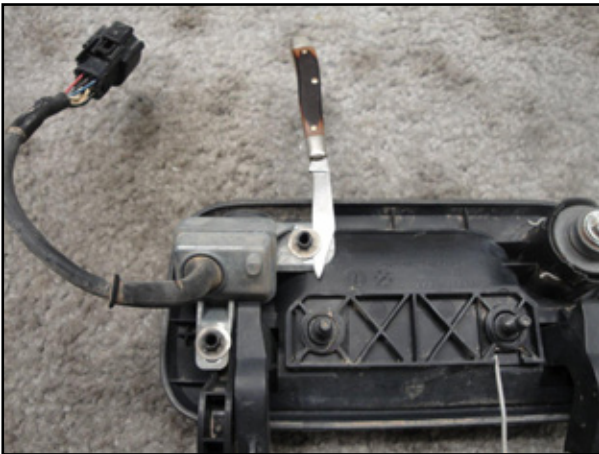


Photo 11

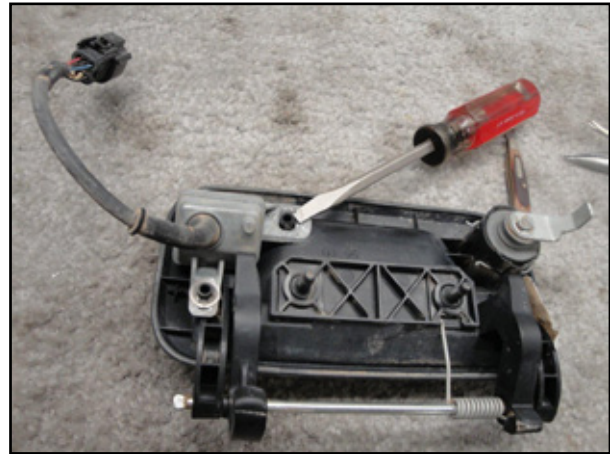


Photo 12

Remove the camera from the handle assembly by prying the push nuts off the two camera retaining studs. It is very difficult to remove the push nuts without breaking off the studs. Lift the camera free of the handle assembly.



Photo 13



Photo 14

Use two of the #8 Phillips truss head screws to mount the camera in the 15138-1 mount bracket and reattach the secondary camera harness to the camera connector. The top camera mounting tab protrudes beyond the edge of the 15138-1 mount bracket. Sand or file this tab flush to the edge of the mount bracket.

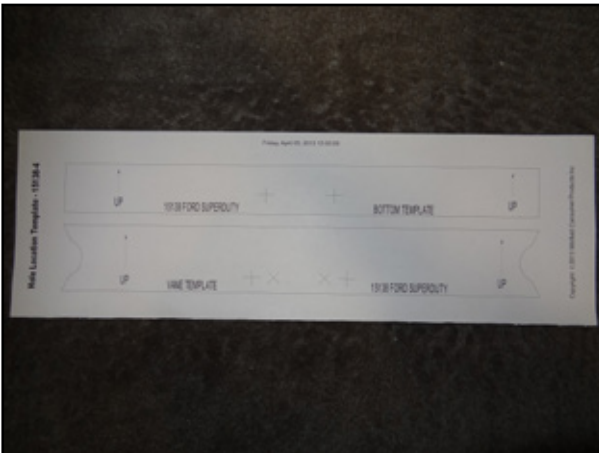


Photo 15



Photo 16

Cut the "tailgate hole pattern" templates from the 15138-4 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 positioned as in Photo 16, 1/2 inch from the bottom edge and 1 1/2 inch from the top edge of the vane. Center punch the two hole locations identified with crosses (not X's) 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 17



Photo 18

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.



Photo 19



Photo 20



Photo 21

Route the harness per the image on the previous page 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 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.



Photo 22



Photo 23

Slice 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 24



Photo 25

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 26



Photo 27



Photo 28

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.

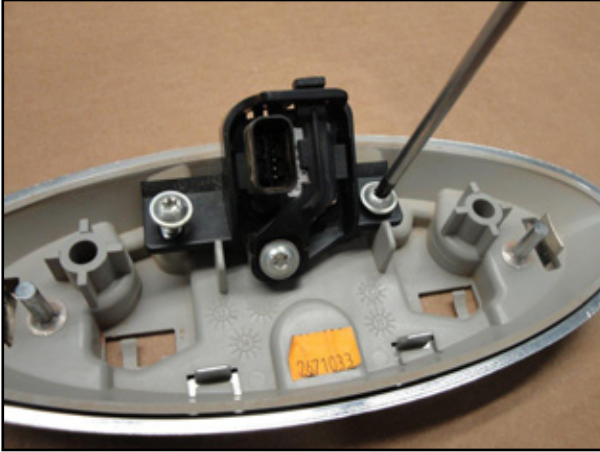


Photo 29



Photo 30

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



Photo 31



Photo 32

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



Photo 33

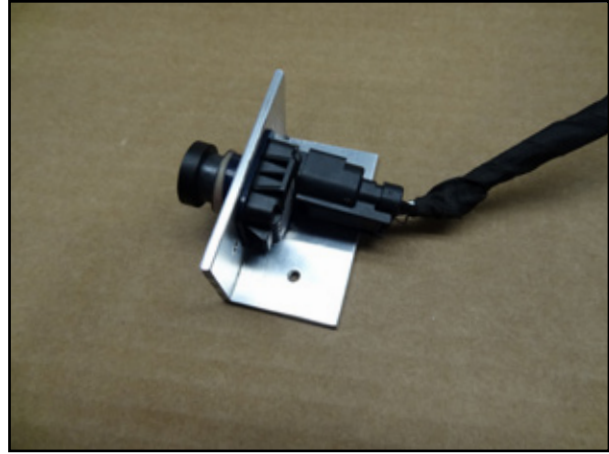


Photo 34

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.

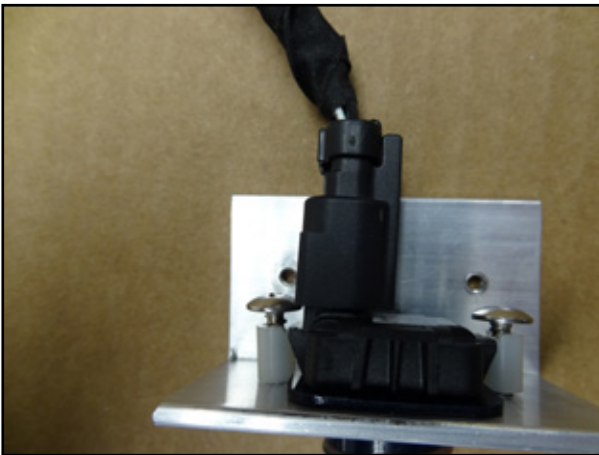


Photo 35

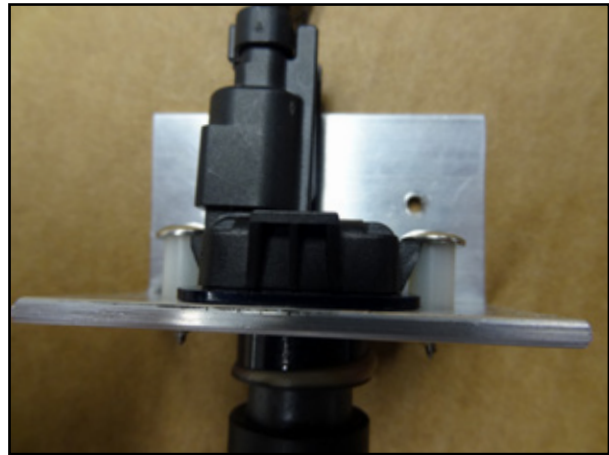


Photo 36

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.

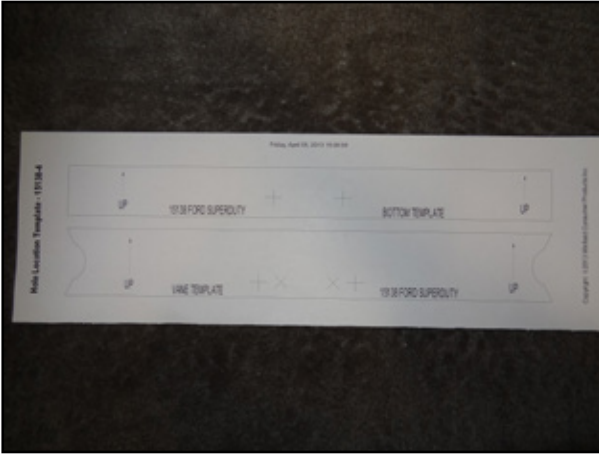


Photo 37

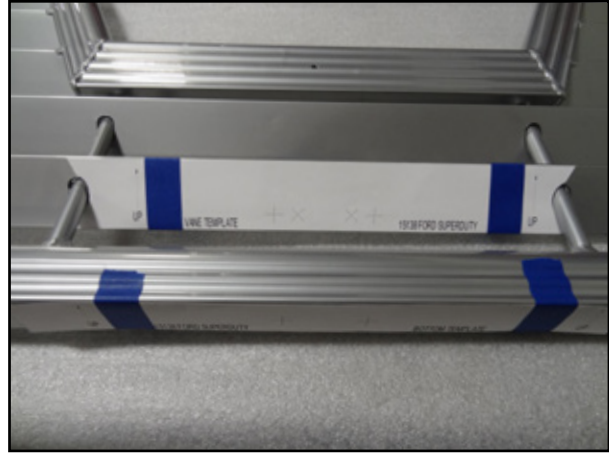


Photo 38

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Photo 39



Photo 40

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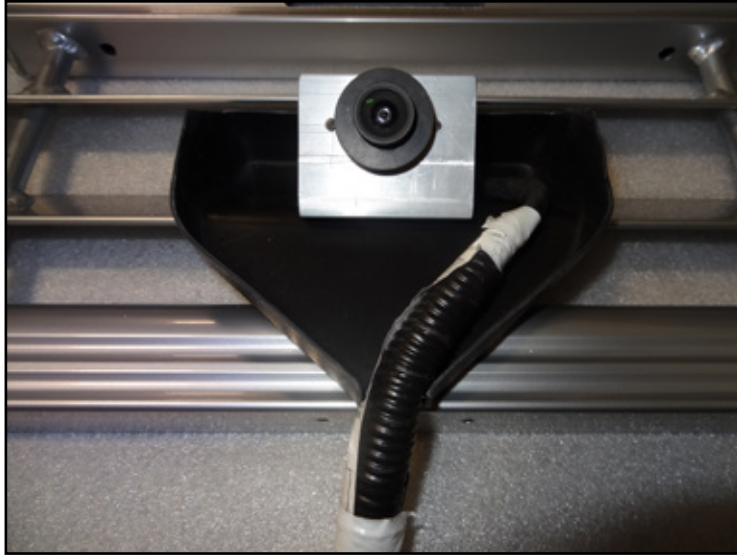


Photo 41



Photo 42



Photo 43

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 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.

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