



## 15348 BACKUP CAMERA MOUNTING KIT

2009 thru 2014 Dodge Ram pickup

NOTE: This kit is ONLY for Dodge Ram pickups that already have the factory backup camera option

The following pages provide instructions for removing the Dodge Ram backup camera from your factory tailgate and installing it in your Husky Aluminum 5<sup>th</sup> wheel tailgate. If you prefer not to remove the camera from your factory tailgate you will need to purchase a camera, PN # 56054041AE 1080, (ME P/N 101502 rev. A) and a wiring assembly PN #68051748AA B, (50005AJJ1600637) from your Dodge Ram parts department. Always provide your pickup serial number as part numbers and revisions may change.

### CONTENTS

- PN 15348-1 Mount Bracket 1 each
- PN 15348-2 Front Housing 1 each
- PN 15348-3 Rear Housing 1 each
- PN 15348-4 Hole Template 1 each
- PN 15348-5 Mount Bracket 1 each
- #8 X 1/2 Phil Truss SMS Screws 6 each
- 5/32" Push Rivets 2 each
- Instructions 1 each

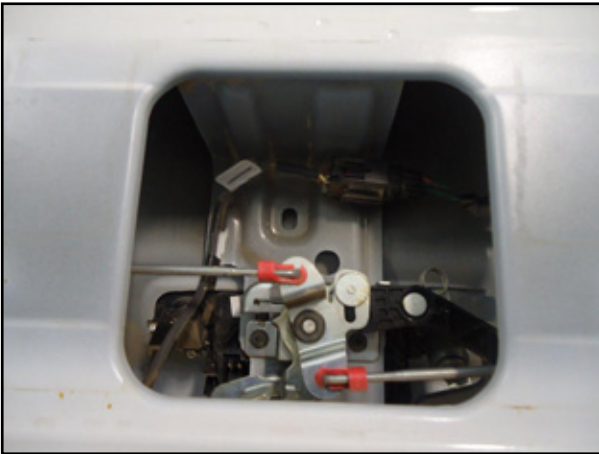
### TOOLS REQUIRED

- T-30 Torx Wrench
- Center Punch
- 9/64 Drill Bit
- 11/64 Drill Bit
- 5/64 Drill Bit
- T-20 Torx Wrench
- Phillips Screwdriver Medium
- Drill
- Scissors
- Masking Tape

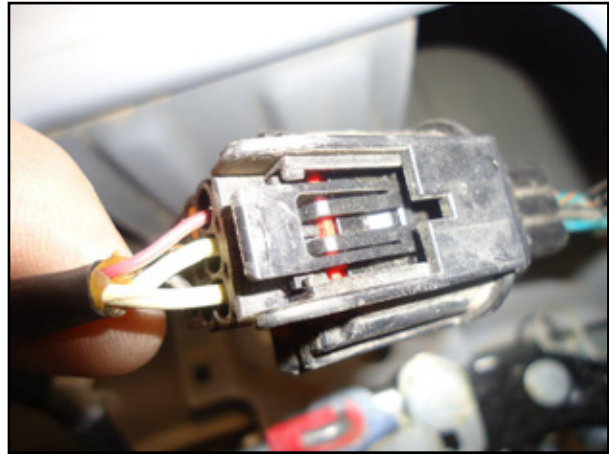


**Photo 1**

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



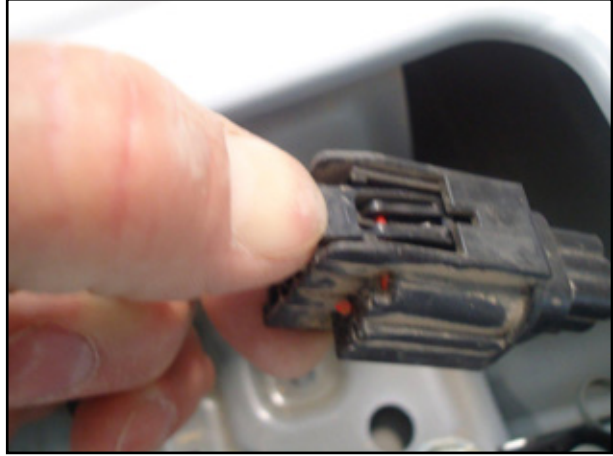
**Photo 2**



**Photo 3**



**Photo 4**



**Photo 5**

Locate the camera harness and gently but firmly pull the harness retainers from their holes. Disconnect the camera from the lower harness by depressing the connector latch and pull the connector halves apart.

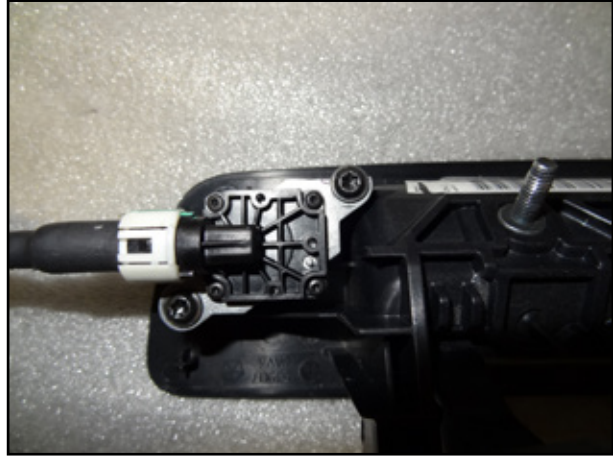


**Photo 6**

Slide the harness retainer from the connector after moving the clip over the wedge as shown in the above photo.

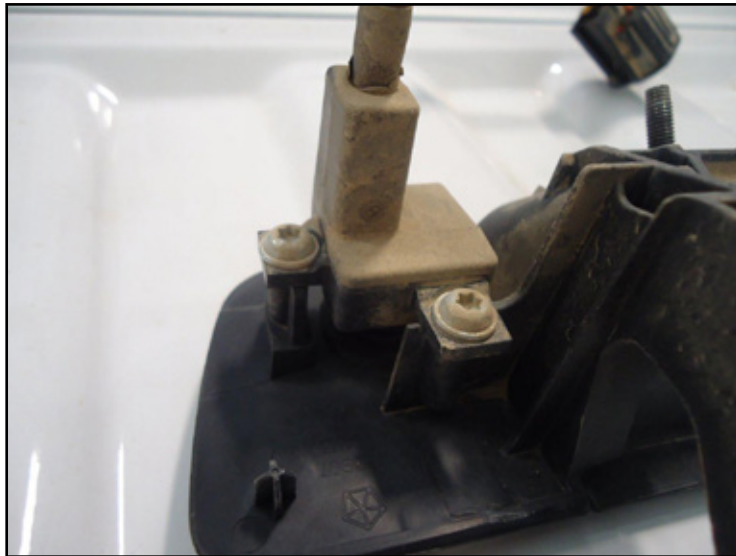


**Photo 7**



**Photo 8**

Determine which type of camera you have. If it is Photo 7 continue; if it is Photo 8 skip to page 11



**Photo 7**

Remove the (2) T-20 Torx screws that retain the camera to the bezel and remove the camera.



**Photo 9**



**Photo 10**

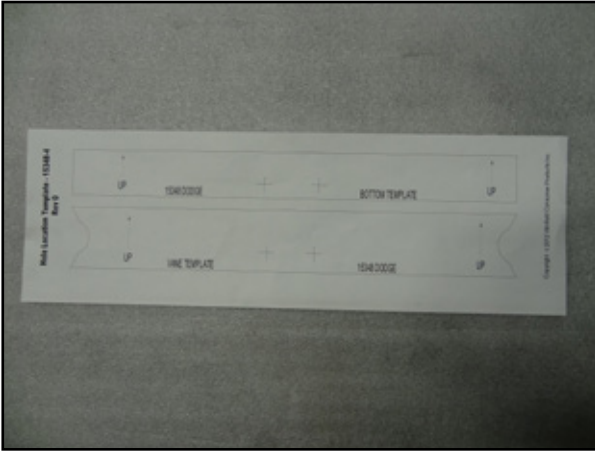
Locate the camera lower harness where it passes from the tailgate to and through the pickup bed. Gently remove the snap in retainer plate and disconnect the lower harness connector by depressing the connector latch and pull the connector halves apart. Remove the lower harness retainer from its hole at the bottom of the factory tailgate by gently but firmly pulling it from its hole. Remove the lower camera harness from the factory tailgate.



**Photo 11**

Install the camera in the PN 15348-1 mount bracket using two #8 x 1/2 Phillips Truss Head screws. Do not over tighten the screws; snug only. Connect the lower harness to the camera.





**Photo 12**



**Photo 13**

Cut the “tailgate hole pattern” templates from the instruction sheet. Position and tape the vane template on the Husky Tailgate on the back side (the side of the tailgate that would be to the inside of the pickup box) of the vane just below the tailgate center handle. The hole locations should be centered horizontally and positioned as in Photo 13, 1 7/16 inch from the top edge, 9/16 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 an 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 ½ inch from the top edge and 1 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 14**



**Photo 15**



**Photo 16**

Position the PN 15348-3 rear housing on the Husky tailgate, align the holes, position the camera/bracket assembly on the rear housing aligned with the holes and install (2) #8 X 1/2 Phillips truss head screws through the vane, rear housing, and into the camera bracket and tighten.



**Photo 17**



**Photo 18**



**Photo 19**



**Photo 20**

Wrap the harness around the camera/bracket assembly per the above illustration. It may be necessary to remove the left screw and rotate the camera/bracket assembly in order to position the harness connector behind it.



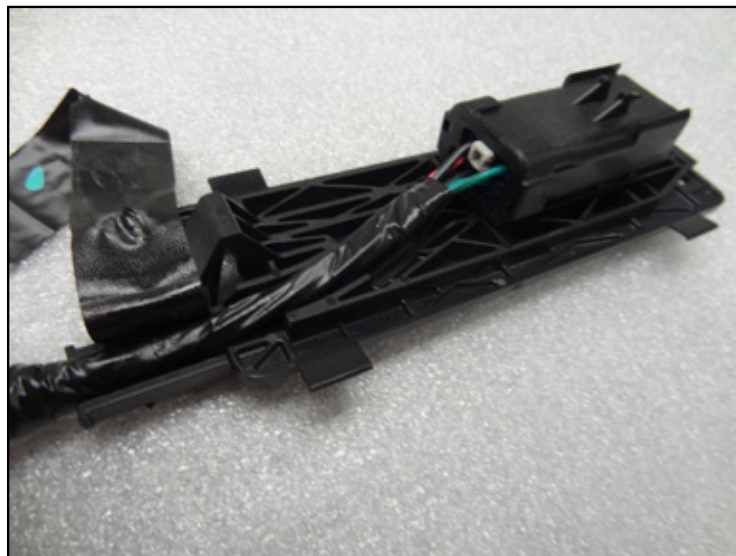


**Photo 21**

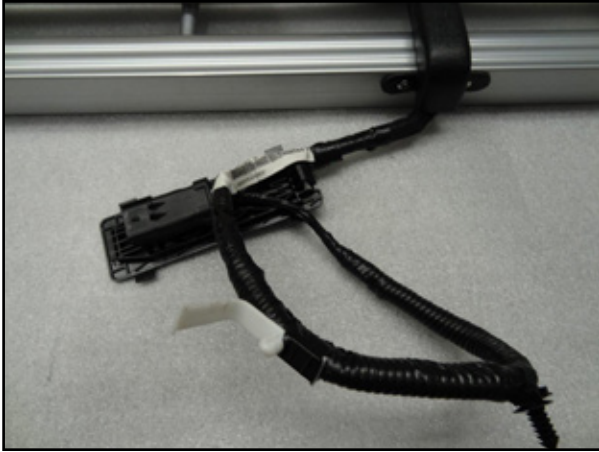


**Photo 22**

Position the two push rivets in the 5/32 holes on each side of the front housing and with your thumb snap them into place through the front and rear housing. Install (2) #8 X 1/2 Phillips truss head screws through the lower portion of the 15348-2 front housing and into the bottom of the Husky Tailgate and tighten.



**Photo 23**



**Photo 24**



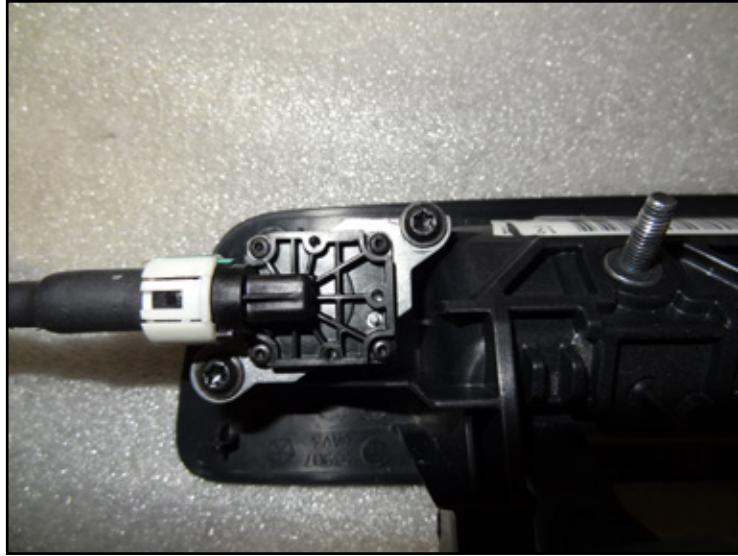
**Photo 25**

Remove the tape that retains the harness to the snap in retainer plate and reposition the harness so there is approximately 3 inches of harness between the snap in retainer plate and the back up camera front housing as in the above photo. Retape the harness in place.

#### INSTALL HUSKY TAILGATE

#### PER TAILGATE INSTALLATION INSTRUCTIONS

Place the camera harness connectors through the hole in the pickup bed that they originally came out of, reconnect the camera harness connector, and reinstall the snap in retaining plate. Mount your Husky tailgate.



**Photo 8**

Remove the (2) T-20 Torx screws that retain the camera to the bezel and remove the camera.

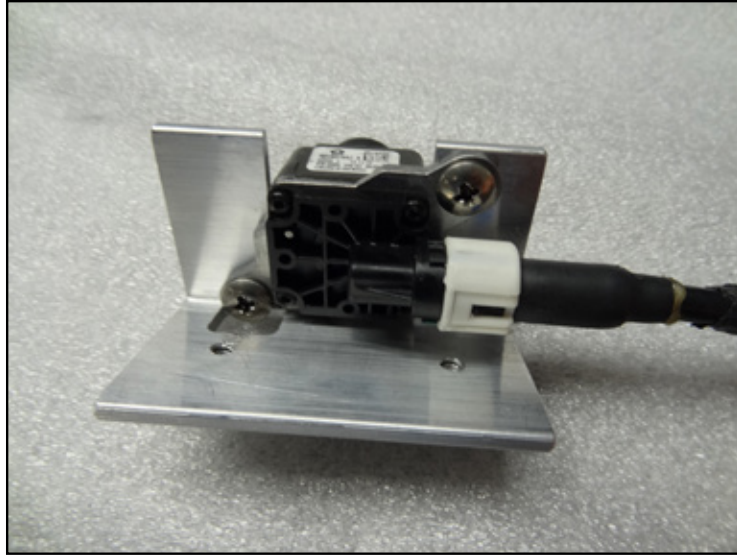


**Photo 9**



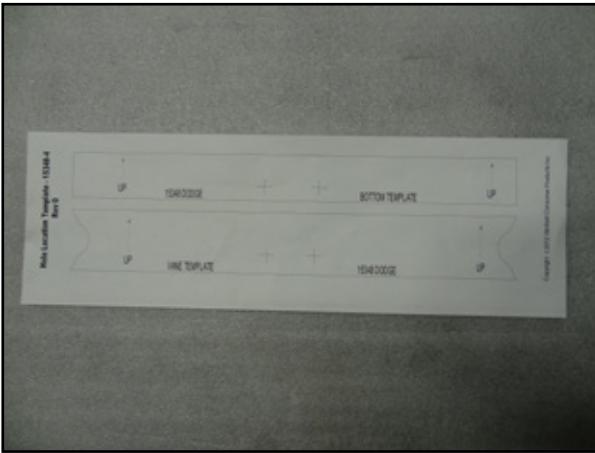
**Photo 10**

Locate the camera lower harness where it passes from the tailgate to and through the pickup bed. Gently remove the snap in retainer plate and disconnect the lower harness connector by depressing the connector latch and pull the connector halves apart. Remove the lower harness retainer from its hole at the bottom of the factory tailgate by gently but firmly pulling it from its hole. Remove the lower camera harness from the factory tailgate.



**Photo 26**

Install the camera in the PN 15348-5 mount bracket using two #8 x 1/2 Phillips Truss Head screws. Do not over tighten the screws; snug only. Connect the lower harness to the camera.



**Photo 27**



**Photo 28**

Cut the “tailgate hole pattern” templates from the instruction sheet. Position and tape the vane template on the Husky Tailgate on the back side (the side of the tailgate that would be to the inside of the pickup box) of the vane just below the tailgate center handle. The hole locations should be centered horizontally and positioned as in Photo 28, 1 7/16 inch from the top edge, 9/16 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 an 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 ½ inch from the top edge and 1 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 29

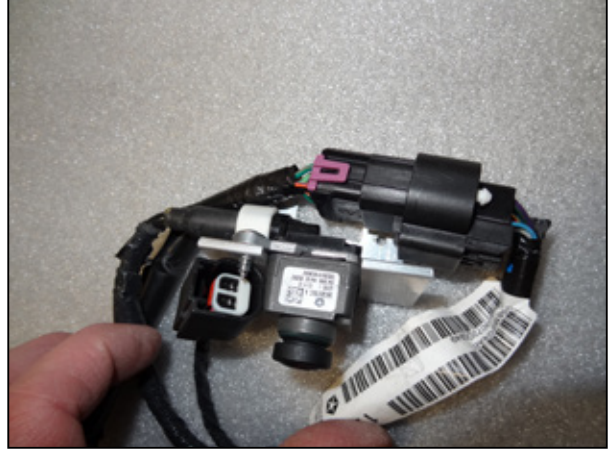


Photo 30



Photo 31



Photo 32

Place the camera/bracket assembly on a flat surface with the harness and connectors routed as illustrated in the above photos. Position the PN 15348-3 rear housing on the Husky Tailgate, align the holes, position the camera/bracket/harness assembly on the rear housing in the same configuration as they had been laid out on the flat surface. It is a very tight fit (especially if your factory tailgate had the remote tailgate lock) so the harness must be routed exactly as in the photos. Align the holes and install (2) #8 x 1/2 Phillips Truss screws through the vane and rear housing, and into the 15348-5 camera bracket and tighten.





**Photo 33**

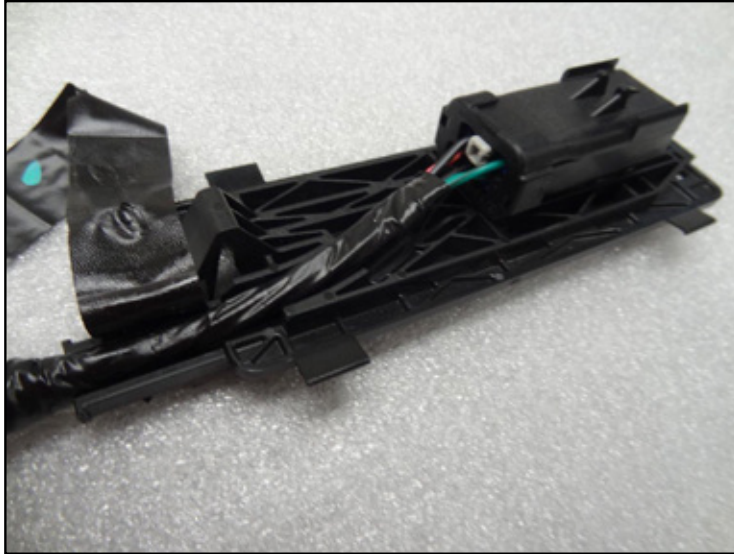
Position the two push rivets in the 5/32 holes on each side of the front housing and with your thumb snap them into place through the front and rear housing. Install (2) #8 X 1/2 Phillips truss head screws through the lower portion of the 15348-2 front housing and into the bottom of the Husky Tailgate and tighten.



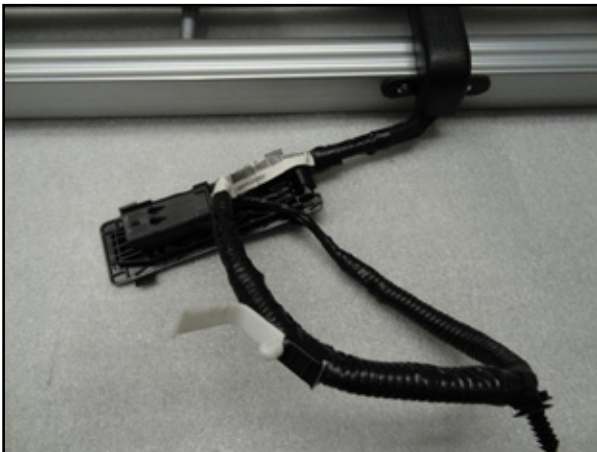
**Photo 34**



**Photo 35**



**Photo 36**



**Photo 37**



**Photo 38**

Remove the tape that retains the harness to the snap in retainer plate and reposition the harness so there is approximately 3 inches of harness between the snap in retainer plate and the back up camera front housing as in the above photo. Retape the harness in place.

#### INSTALL HUSKY TAILGATE

#### PER TAILGATE INSTALLATION INSTRUCTIONS

Place the camera harness connectors through the hole in the pickup bed that they originally came out of, reconnect the camera harness connector, and reinstall the snap in retaining plate. Mount your Husky tailgate.