

CRAWLTEK

REVOLUTION

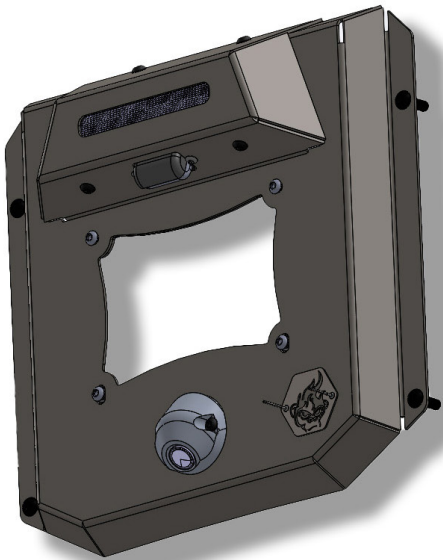
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INSTALLATION INSTRUCTIONS

BRONCO WHEEL MOUNT DELETE LICENSE PLATE RELOCATION KIT

CWLFB38021

FOR USE WITH 2021 BRONCO



CrawTek YouTube

PLEASE READ THROUGH INSTRUCTIONS BEFORE INSTALLING

2024-03-13

WHAT'S IN THE BOX?

PLEASE VERIFY KIT CONTENTS BEFORE BEGINNING INSTALLATION

PART #	Qty	DESCRIPTION
06305	1	BRONCO SPARE TIRE DELETE - W/LED
06330	1	LIGHT MOUNT
06331	1	LIGHT MOUNT BRACKET
06292	1	CAMERA HOLDER
06306	2	SPARE TIRE WIRE PLUG CAP - RETAINING PLATE
LPCXW2	1	LICENSE PLATE LIGHT
06176	1	2" JAX BADGE LOGO - STAINLESS
C0055	1	BOLT PACK
	2	#10-24 X 3/4" BHSCS - STAINLESS STEEL 18-8
	2	#10-24 FLANGED NUT - STAINLESS STEEL 18-8
	1	#10-24 X 1/2" PHILLIPS HEAD PAN SCREW - STAINLESS STEEL 18-8
	12	1/4"-20 X 3/4" BHCS 18-8 STAINLESS - BLACK OXIDE COATED
	12	1/4"-20 FLANGED NUT - STAINLESS STEEL 18-8
	2	18-8 STAINLESS STEEL RIVET, 3/32" DIA, FOR 0.126"-0.25" (97525A305)
	4	1/4"-20 X 5/8" BHCS 18-8SS BLK OXIDE - MCMASTER NO. 97763A264
	4	M8-1.25 X 25MM BHCS 18-8 BLK OXIDE - MCMASTER NO. 97763A445
	3	11" NYLON CABLE TIES - BLACK
	1	POSI-TAP WIRE CONNECTOR 18GA
	2	FULLY INSULATED QUICK DISCONNECT TERMINAL STD. BARREL - MALE
	2	FULLY INSULATED QUICK DISCONNECT TERMINAL STD. BARREL - FEMALE
	1	7' OF 18 GAUGE DOUBLE STAND WIRE
	1	1/4" STUD RING TERMINAL

RECOMMENDED TOOLS

SAFETY GLASSES

ASSORTED SOCKETS OR WRENCHES

ALLEN HEAD WRENCHES

RIVET GUN

TRIM TOOL

WIRE CUTTER

WIRE CRIMP TOOL

ELECTRICAL TAPE (OPTIONAL, NOT INCLUDED) OR AUTOMOTIVE TAPE

WIRE LOOM (OPTIONAL, NOT INCLUDED)



INSTALLATION INSTRUCTIONS

STEP 1:

REMOVE TIRE FROM TIRE MOUNT. (FIG. 1)



FIGURE 1

STEP 2:

REMOVE SPARE TIRE MOUNT. (FIG. 2, 3)

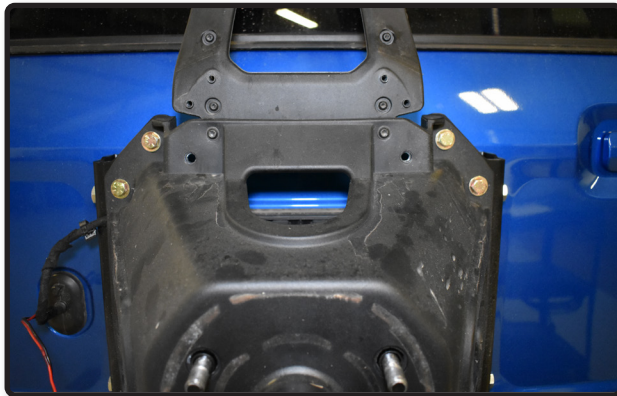


FIGURE 2



FIGURE 3

STEP 3:

REMOVE BRAKE LIGHT ASSEMBLY FROM SPARE TIRE MOUNT AND REMOVE WIRING BY REMOVING THE 8 - TORX 25 BOLTS AND OPENING ASSEMBLY TO ACCESS WIRING. UNPLUG BRAKE LIGHT AND PULL WIRE CLIPS FREE FROM ASSEMBLY. (FIG. 4)



FIGURE 4

STEP 4:

DISCONNECT REAR BRAKE LIGHT FROM HOUSING BY REMOVING 2 - T25 TORX BOLTS. RETAIN BOLTS AND REAR BRAKE LIGHT FOR REUSE. **(FIG. 5)**



FIGURE 5

STEP 5:

IF EQUIPPED REMOVE SPACER BRACKET. **(FIG. 6, 7)**

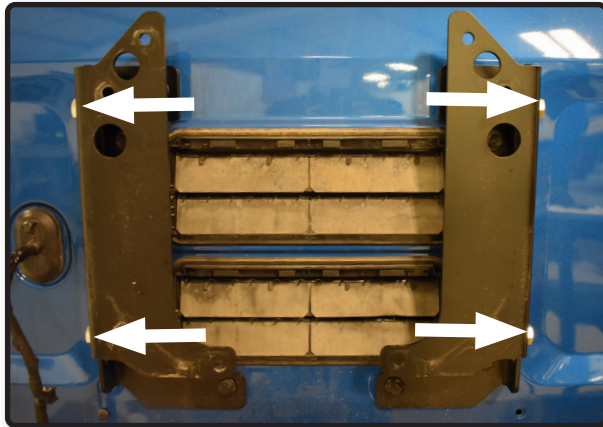


FIGURE 6

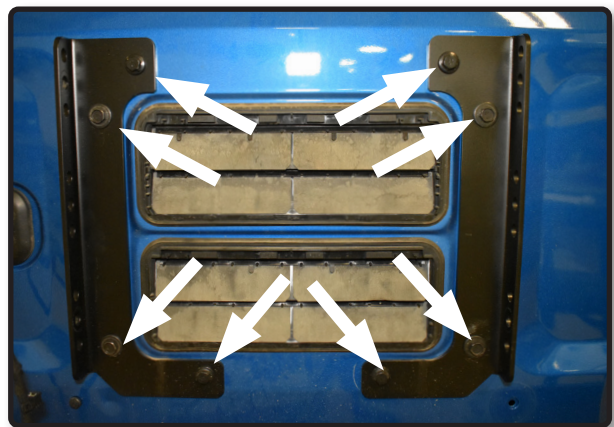


FIGURE 7

STEP 6:

REMOVE CAMERA HOUSING FROM SPARE TIRE MOUNT ASSEMBLY BY REMOVING 2 BH BOLTS. **(FIG. 8)** UNCLIPPED WIRING AND UNPLUG CAMERA. **(FIG.9)** REMOVE SCREW HOLDING RETAINING BRACKET. REMOVE CAMERA FROM FACTORY ASSEMBLY. **(FIG. 10)**

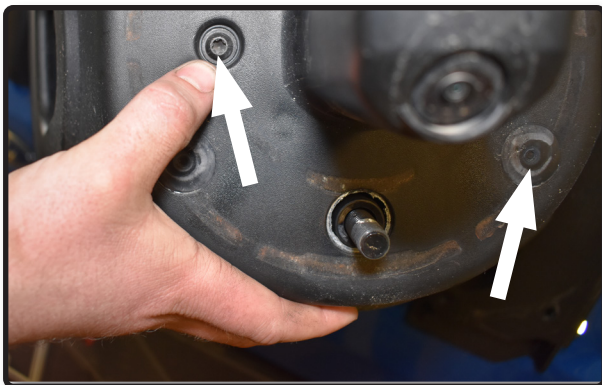


FIGURE 8

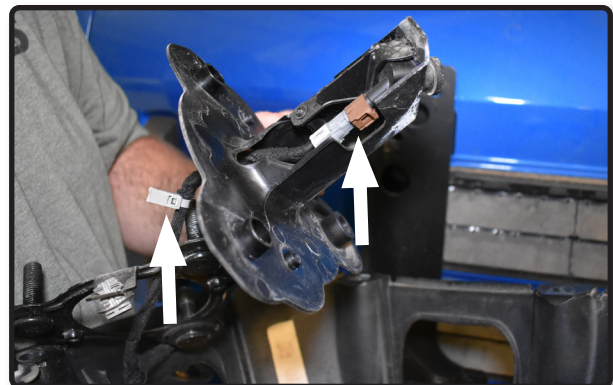


FIGURE 9





FIGURE 10

STEP 7:

OPEN BACK GATE TO ACCESS INSIDE PANEL OF BACK GATE.

STEP 8:

REMOVE TRIM PANEL USING TRIM TOOL TO RELEASE BOTTOM CLIPS ONLY. ONCE CLIPS RELEASE, PANEL SHOULD SLIDE DOWN TO REMOVE.(FIG. 11)



FIGURE 11

STEP 9:

REMOVE THE 2ND TRIM PANEL FOUND ON THE INSIDE OF THE REAR GATE USING TRIM TOOL TO RELEASE THE PANEL CLIPS FOUND ON THE SIDE FURTHEST FROM THE GATE LATCH. (FIG. 12)

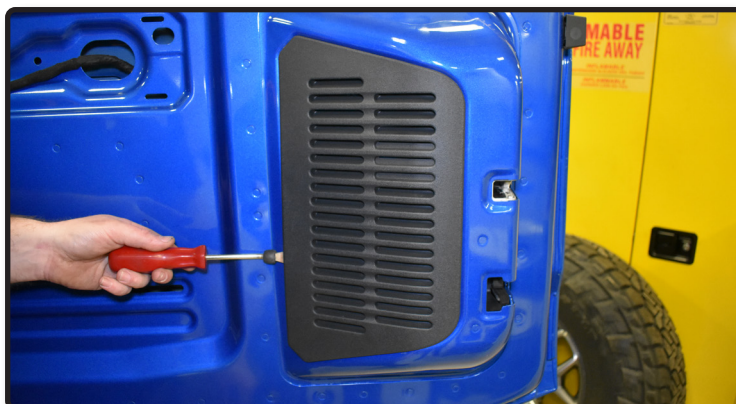


FIGURE 12



STEP 10:

REMOVE REAR FLOOR TRIM BY PULLING UP TO RELEASE. A TRIM TOOL MAY BE USED IF NEEDED. **(FIG. 13)**



FIGURE 13

STEP 11:

FOLD PASSENGER SIDE REAR SEAT FORWARD TO HELP ALLOW ROOM TO REMOVE PASSENGER SIDE REAR INSIDE PANEL.

STEP 12:

REMOVE ROLL BAR TRIM. **(FIG. 14, 15)**



FIGURE 14



FIGURE 15

STEP 13:

USE TRIM TOOL TO RELEASE CLIPS AT THE REAR OF PANEL TO GAIN ACCESS TO 3 WIRING PLUGS. UNPLUG ALL 3 PLUGS. **(FIG.16)**



FIGURE 16



STEP 14:

REMOVE KICK PANEL INSIDE PASS. SIDE REAR DOOR. (FIG. 17)



STEP 14 NOTE:
ALL WIRING MUST BE
UNPLUGGED BEFORE
COMPLETELY REMOVING
PANEL.



FIGURE 17

STEP 15:

RELEASE FRONT MOST PANEL CLIPS. REMOVE PANEL. AND SET ASIDE.(FIG. 18)



FIGURE 18

STEP 16:

UNCLIPPED WIRE HARNESS FROM BODY USING TRIM TOOL AND DISCONNECT LARGE BLACK WIRE HARNESS PLUG . (FIG. 19, 20)

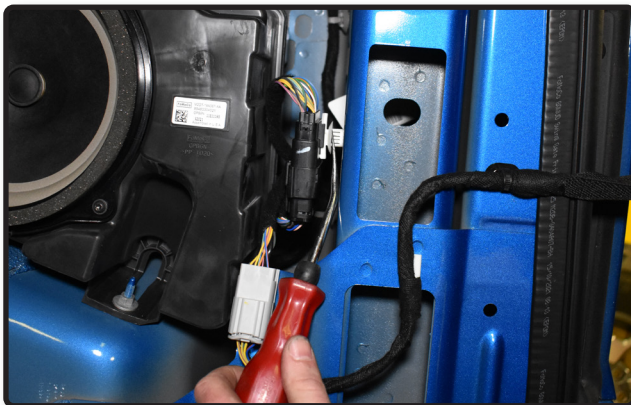


FIGURE 19

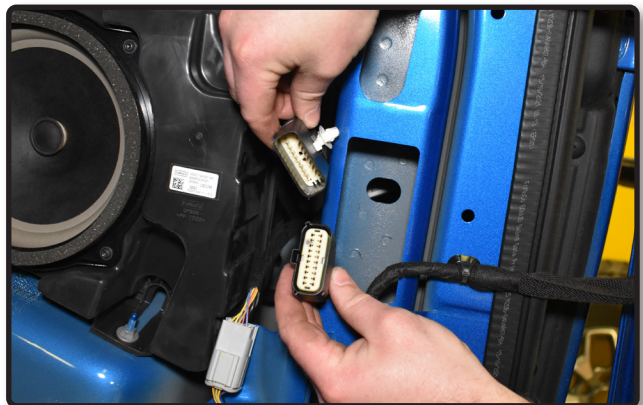


FIGURE 20



STEP 17:

PEEL AWAY FACTORY WIRE SHEATHING FROM MALE PLUG END TO GAIN ACCESS TO WIRING, AND LOCATE BLUE WIRE WITH LIGHT GRAY TRACER. **(FIG. 21)**



FIGURE 21

STEP 18:

USE PROVIDED WIRE AND WIRE TAP TO CONNECT THE RED WIRE TO THE BLUE WIRE. CRIMP ON THE LOOP CONNECTOR TO THE END ON THE BLACK WIRE. **(FIG. 22)** PEEL SOME LENGTH OF GROUND WIRE SUFFICIENT TO REACH THE FACTORY GROUND LOCATED UNDER THE REAR SIDE WINDOW. CONNECT GROUND WIRE. **(FIG. 23)** RECONNECT WIRE HARNESS PLUG AND REATTACH CLIP TO INSIDE OF BODY COMPARTMENT. **(FIG. 24)**

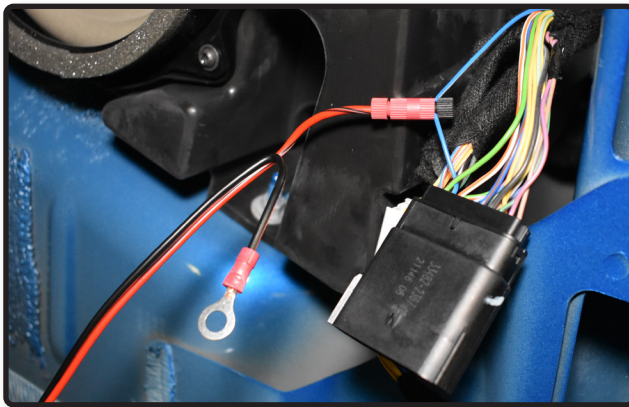


FIGURE 22

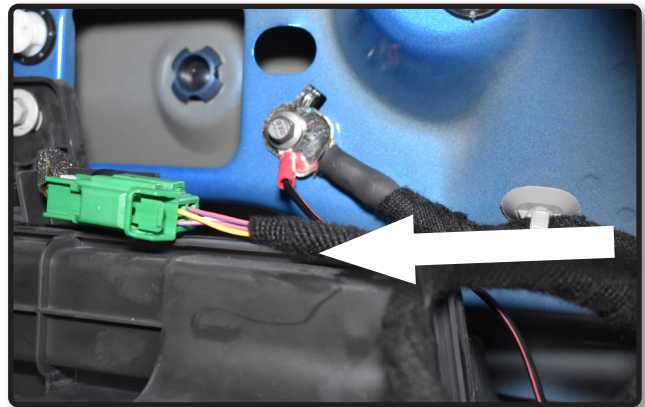


FIGURE 23



STEP 18 NOTE:
CHECK WIRE LENGTH TO ENSURE
THAT IT IS LONG ENOUGH TO
REACH THE LICENSE PLATE
BRACKET LOCATION.



FIGURE 24



STEP 19:

IT IS RECOMMENDED TO FEED NEW WIRES THROUGH FACTORY SHEATHING. TRIM WIRES IF COPPER STRANDS ARE EXPOSED TO ELIMINATE SNAGGING. CUT 2 SMALL HOLES AT EITHER END OF THE FACTORY SHEATHING. FEED YOUR NEW WIRES FROM END TO END. (FIG. 25, 26) ONCE WIRE IS FED THROUGH TAPE WITH ELECTRICAL OR AUTOMOTIVE TAPE. (FIG. 27)

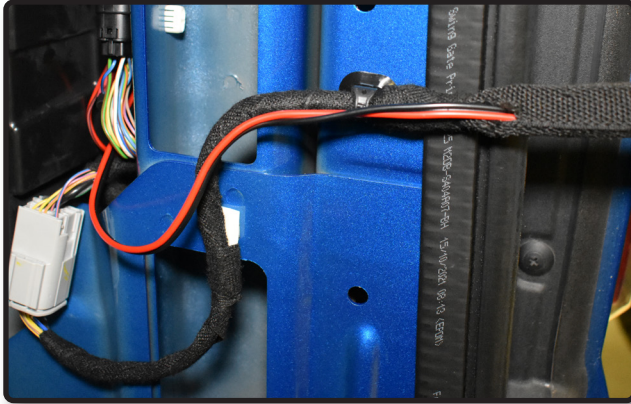


FIGURE 25

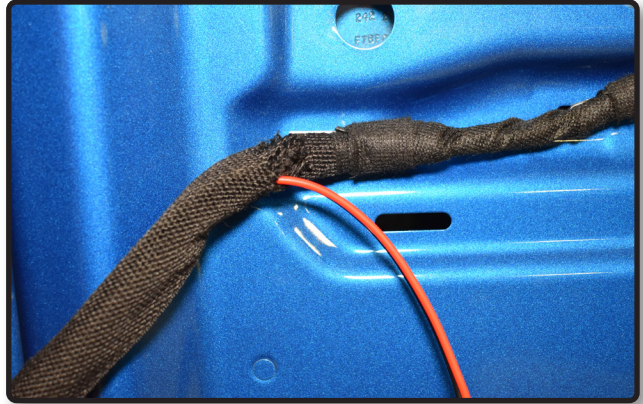


FIGURE 26

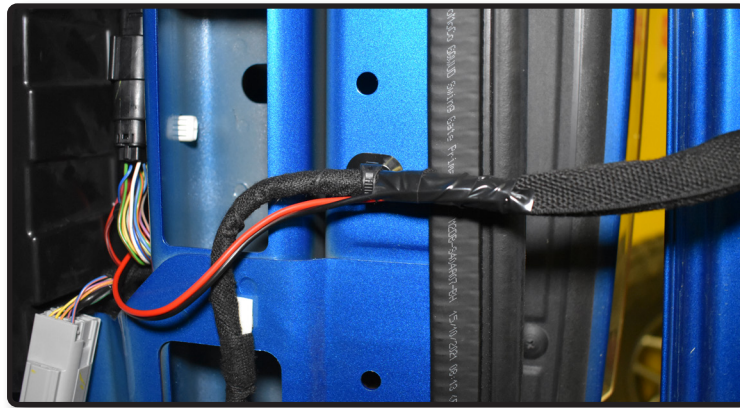


FIGURE 27

STEP 20:

TAPE NEW WIRING TO THE EXISTING WIRE HARNESS. (FIG. 28)

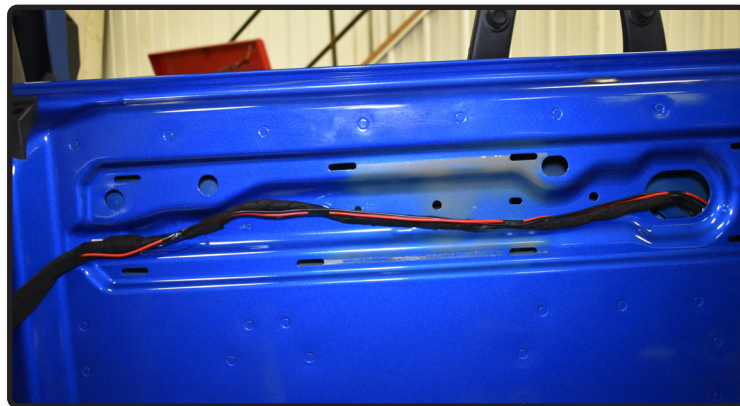


FIGURE 28



STEP 21:

CUT FACTORY ZIP TIE FROM OUTSIDE DOOR WIRE GROMMET. REMOVE SEALING TAPE FROM THE FACTORY WIRE HARNESS AT THE INLET AND OUTLETS OF THE GATE WIRE GROMMET. (FIG. 29, 30)



STEP 21 TIP:
CUTTING WIRING CLIP MAY BE NECESSARY IF CLIP WON'T COME FREE FROM HOUSING ASSEMBLY.



FIGURE 29



FIGURE 30

STEP 22:

FEED WIRES THROUGH THE GROMMET. (FIG. 31, 32)



STEP 22 TIP:
USING A LUBRICANT IN THE GROMMET, SUCH AS WHITE LITHIUM GREASE SPRAY CAN HELP THE WIRE FEED THROUGH THE RUBBER GROMMET.



FIGURE 31

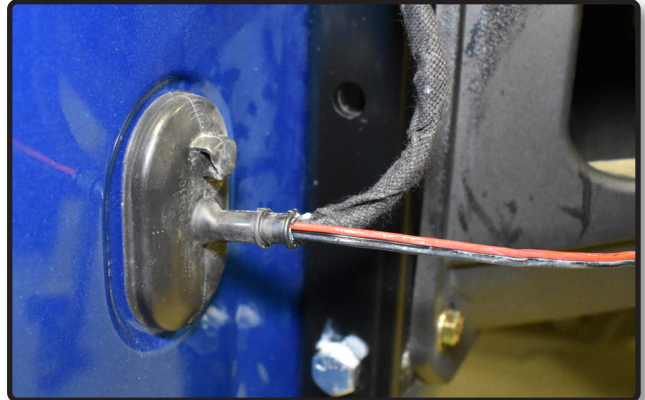


FIGURE 32

STEP 23:

REMOVE OUTSIDE WIRE GROMMET AND RELOCATE INSIDE DOOR CAVITY. (FIG. 33)



FIGURE 33



STEP 24:

REMOVE LOWER TAILGATE VENT HOUSING. FEED WIRING OUT VENT OPENING. (FIG. 34)

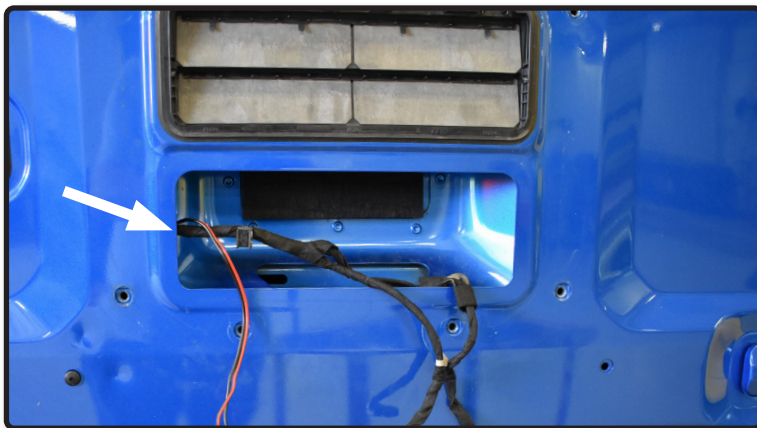


FIGURE 34

STEP 25:

WIRE CRIMP THE PROVIDED FEMALE ENDS TO THE ENDS OF THE BLACK AND RED WIRES. (FIG. 35)

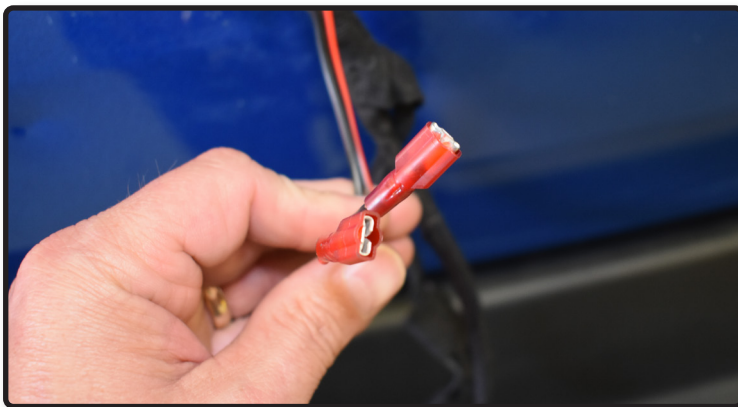


FIGURE 35

STEP 26:

INSTALL CAMERA INTO PROVIDED CAMERA ASSEMBLY USING PROVIDED BUTTON HEAD BOLT AND RETAINING PLATE. (FIG. 36, 37)



FIGURE 36

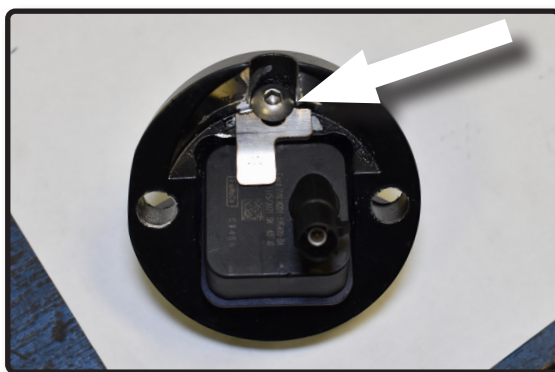


FIGURE 37



STEP 27:

ATTACH PROVIDED BRACKET TO REAR BRAKE LIGHT USING FACTORY T-25 TORX BOLTS. (FIG. 38, 39)



FIGURE 38

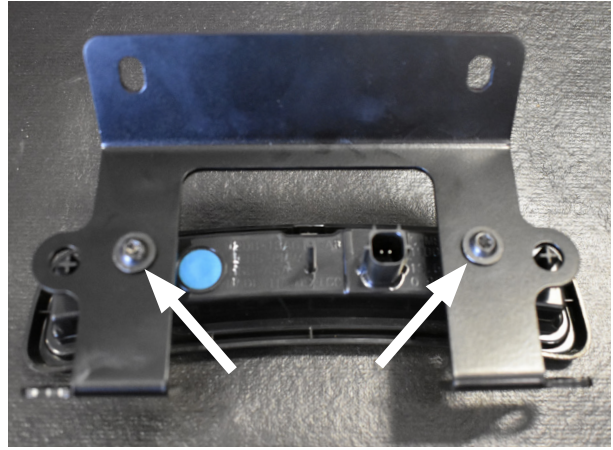


FIGURE 39

STEP 28:

INSTALL REAR BRAKE LIGHT AND BRACKET INTO PROVIDED HOUSING USING ONLY THE BOTTOM 1/4-20 AND SERRATED NUTS AT THIS POINT. (FIG. 40, 41)

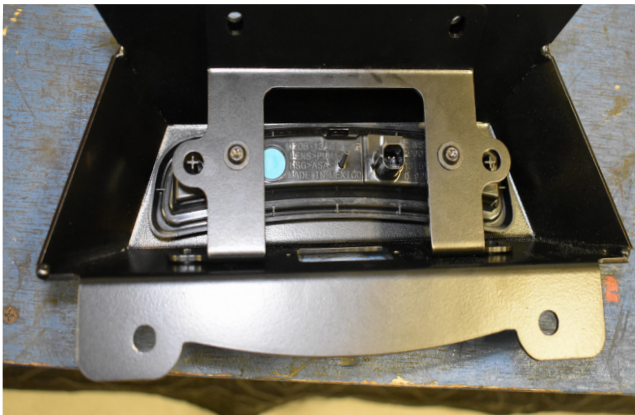


FIGURE 40

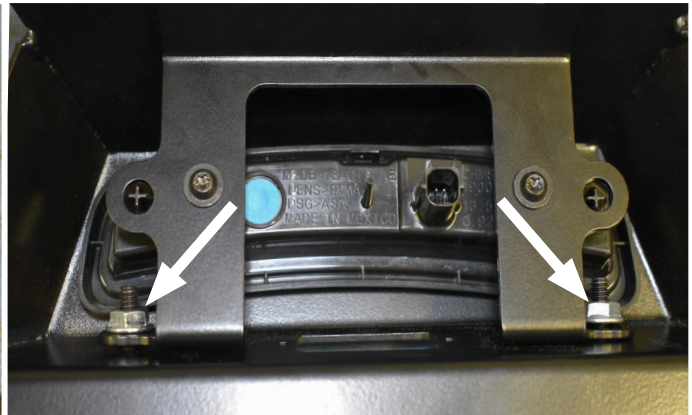


FIGURE 41

STEP 29:

TUCK BRAKE LIGHT HOUSING SO THAT FROM REAR TO FRONT. ORDER OF PLACEMENT SHOULD BE LIGHT HOUSING, PLATE BRACKET, LICENSE PLATE. (FIG. 42, 43)



FIGURE 42



FIGURE 43



STEP 30:

USE THE PROVIDED BUTTON HEAD BOLTS AND FLANGE NUTS TO ATTACH LICENSE PLATE TO BRACKET. BOLTS AT THE TOP OF THE PLATE SHOULD GO THROUGH THE LICENSE PLATE, PLATE BRACKET, THEN THE LIGHT HOUSING. INSTALL BOTTOM PLATE BOLTS AND NUTS. (FIG. 44)



FIGURE 44

STEP 31:

INSTALL CRAWLTEK BADGE WITH THE 2 INCLUDED 3/32" RIVETS. (FIG. 45)

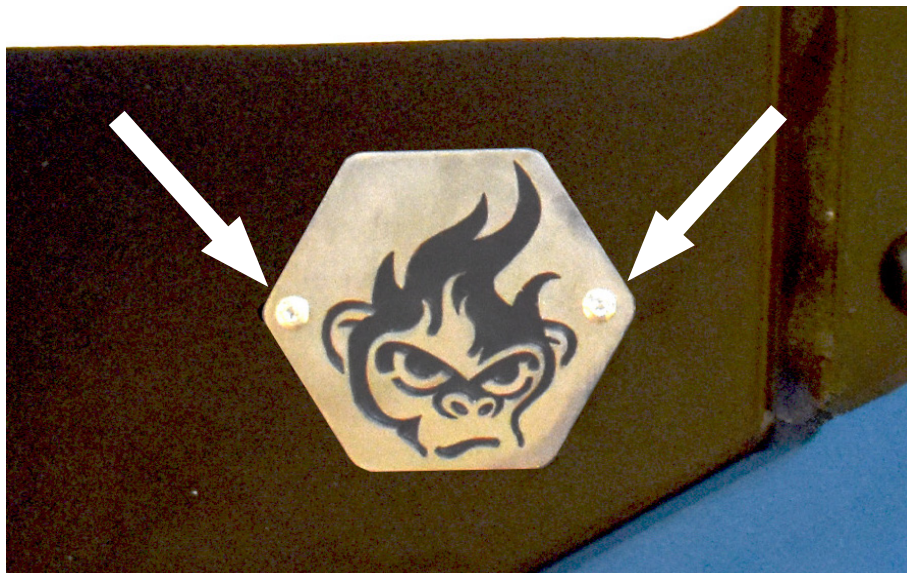


FIGURE 45

STEP 32:

MOUNT CAMERA AND HOUSING TO PLATE BRACKET IN THE HOLE FOUND IN THE LOWER PART OF THE PLATE BRACKET. ENSURE THAT THE CAMERA IS AIMING DOWN. **(FIG. 46)**

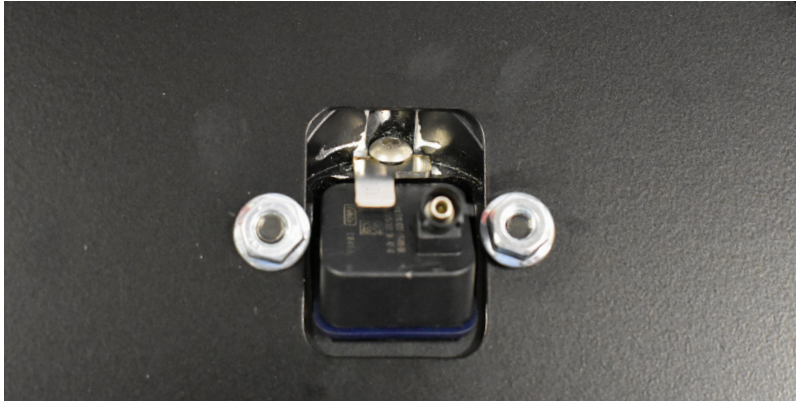


FIGURE 46

STEP 33:

INSTALL LICENSE PLATE LIGHT USING 10-24 BOLTS AND FLANGE NUTS. DO NOT OVER TIGHTEN. **(FIG. 47, 48)**



FIGURE 47

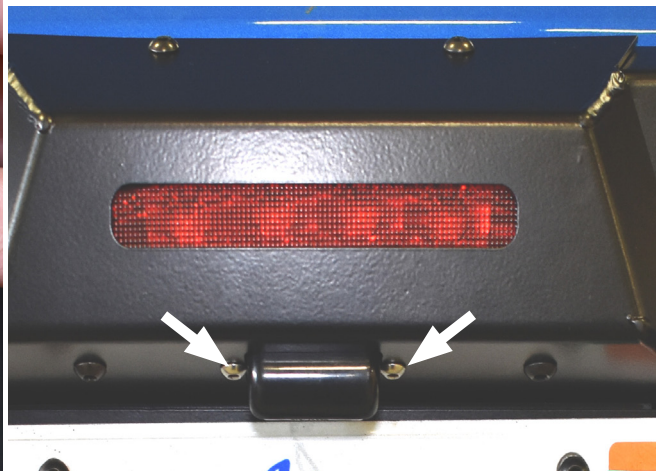


FIGURE 48

STEP 34:

CRIMP MALE WIRE CONNECTORS TO THE PLATE LIGHT WIRING. **(FIG. 31)**

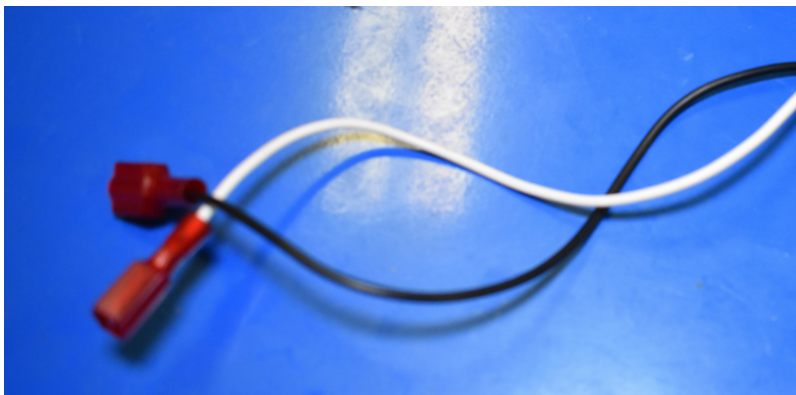


FIGURE 49



STEP 35:

HOLDING COMPLETED PLATE BRACKET ASSEMBLY IN PLACE, PLUG IN THE BRAKE LIGHT (**FIG. 50**), CAMERA (**FIG. 51**) AND PLATE LIGHT. (BE AWARE IT MAY BE NECESSARY TO SWITCH PLATE LIGHT CONNECTORS DEPENDING ON LIGHT FIXTURE WIRING)



FIGURE 50



FIGURE 51

STEP 36:

INSTALL THE COMPLETE PLATE ASSEMBLY USING THE 4 - 1/4"-20 BUTTON HEAD BOLTS. (**FIG. 52**)



FIGURE 52



STEP 37:

INSTALL THE 2 PLATES AND PROVIDED HARDWARE INTO THE WIRING HOLE IN TAILGATE. (FIG. 53 & 54)

TIP: A SMALL BEAD OF RTV SILICONE(NOT PROVIDED) IS RECOMMENDED AROUND THE EDGE OF THE OUTER PLATE BEFORE INSTALLATION TO CREATE A WATERTIGHT SEAL.



FIGURE 53



FIGURE 54



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