

CRAWLTEK

REVOLUTION

491 W. GARFIELD AVE., COLDWATER, MI 49036 • 517.278.1039
CRAWLTEKREVOLUTION.COM • E-MAIL: SALES-CRAWLTEK@RIDEFOX.COM

INSTALLATION INSTRUCTIONS

BRONCO LICENSE PLATE RELOCATION KIT

CWLFB38001

FOR USE WITH 2021 BRONCO



CrawlTek YouTube

PLEASE READ THROUGH INSTRUCTIONS BEFORE INSTALLING

2024-15-03

WHAT'S IN THE BOX?

PLEASE VERIFY KIT CONTENTS BEFORE BEGINNING INSTALLATION

PART #	Qty	DESCRIPTION
05361	1	BRONCO UC PLT BRKT - UPR
05362	1	UC PLT BRACKET
05363	2	TAPPED LUG NUT EXT
LPCXW2	1	LICENSE PLATE LIGHT - BLACK/NATURAL
C0057	1	BOLT PACK
	6	1/ 4"-20 LOCKNUT SS
	8	1/ 4"-20 X 5/ 8" SS BHCS
	1	POSI -TAP WIRE CONNECTOR 18 GA.
	2	FULLY INSULATED QUICK DISCONNECT TERMINAL STANDARD BARREL - MALE
	2	FULLY INSULATED QUICK DISCONNECT TERMINAL STANDARD BARREL - FEMALE
	1	7' OF 18 GAUGE DOUBLE STAND WIRE
	1	1/ 4" STUD RING TERMINAL
	2	#8-32 X 3/4" MACHINE SCREW - ZINC
	2	#8-32 SERRATED FLANGE LOCK NUT - ZINC
	3	11" NYLON CABLE TIES - BLACK

RECOMMENDED TOOLS

SAFETY GLASSES

3/16" HEX BIT SOCKET

3/4" SOCKET

11/32" SOCKET OR WRENCH

10MM SOCKET

7/16" SOCKET OR WRENCH

#2 PHILLIPS HEAD SCREWDRIVER

ALLEN HEAD WRENCHES

TRIM TOOL

WIRE CUTTER

WIRE CRIMP TOOL

ELECTRICAL TAPE (OPTIONAL, NOT INCLUDED) OR AUTOMOTIVE TAPE

WIRE LOOM (OPTIONAL, NOT INCLUDED)

1/4" DRIVE TORQUE WRENCH

1/2" DRIVE TORQUE WRENCH

1/2" DRIVE RATCHET AND/OR BREAKER BAR

1/2" DRIVE EXTENSION

1/4" DRIVE EXTENSION

1/4" DRIVE RATCHET



INSTALLATION INSTRUCTIONS

STEP: 1

REMOVE TIRE FROM TIRE MOUNT. (FIG. 1)



FIGURE 1

STEP: 2

INSTALL PROVIDED LIGHT TO PLATE BRACKET. NOTE: DO NOT OVER TIGHTEN TO AVOID CRACKING LIGHT HOUSING. (FIG. 2) USE 8-32 BOLTS AND NUTS. USE PH SCREWDRIVER AND 11/32" SOCKET OR WRENCH.



FIGURE 2

STEP: 3

INSTALL 2 **MALE** SIDE CONNECTORS TO LIGHT WIRING. (FIG. 3)

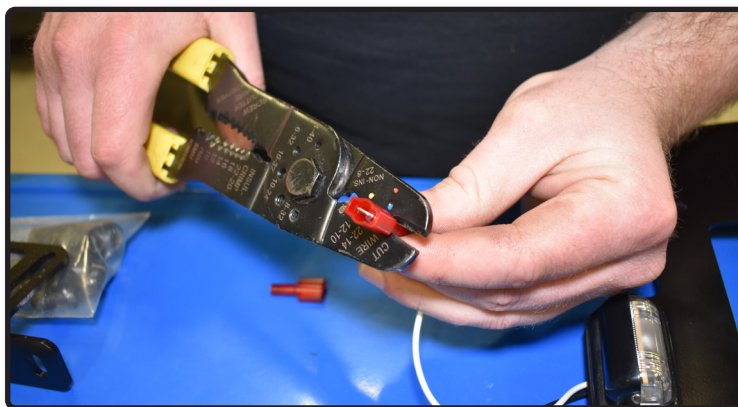


FIGURE 3



STEP: 4

OPEN BACK GATE TO GAIN ACCESS TO INSIDE PANEL.

STEP: 5

REMOVE TRIM PANEL USING TRIM TOOL TO RELEASE BOTTOM CLIPS ONLY. ONCE CLIPS RELEASE, PANEL SHOULD SLIDE DOWN TO REMOVE. **(FIG. 4)**



FIGURE 4

STEP: 6

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. 5)**



FIGURE 5

STEP: 7

REMOVE REAR FLOOR TRIM BY PULLING UP TO RELEASE. A TRIM TOOL MAY BE USED IF NEEDED. REMOVE TIE DOWN HOOK WITH 10MM SOCKET. **(FIG. 6)**



FIGURE 6



STEP: 8

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

STEP: 9

REMOVE ROLL BAR TRIM. (FIG. 7A, 7B)



FIGURE 7A



FIGURE 7B

STEP: 10

USE TRIM TOOL TO RELEASE CLIPS AT THE REAR OF PANEL TO GAIN ACCESS TO 3 WIRING PLUGS. UNPLUG ALL 3 PLUGS. (FIG.8)



STEP 10 NOTE:
ALL WIRING MUST BE
UNPLUGGED BEFORE
COMPLETELY REMOVING
PANEL.



FIGURE 8

STEP: 11

REMOVE KICK PANEL INSIDE PASS. SIDE REAR DOOR. (FIG. 7)



FIGURE 7



STEP: 12

RELEASE FRONT MOST PANEL CLIPS. REMOVE PANEL. AND SET ASIDE.(FIG. 8)



FIGURE 8

STEP: 13

UNCLIP WIRE HARNESS FROM BODY USING TRIM TOOL AND DISCONNECT LARGE BLACK WIRE HARNESS PLUG . (FIG. 9A, 9B)

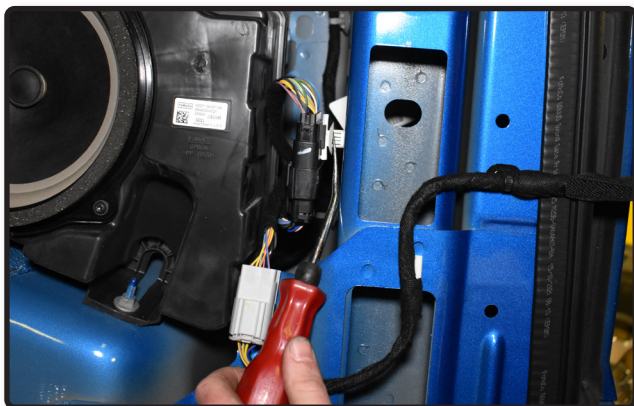


FIGURE 9A

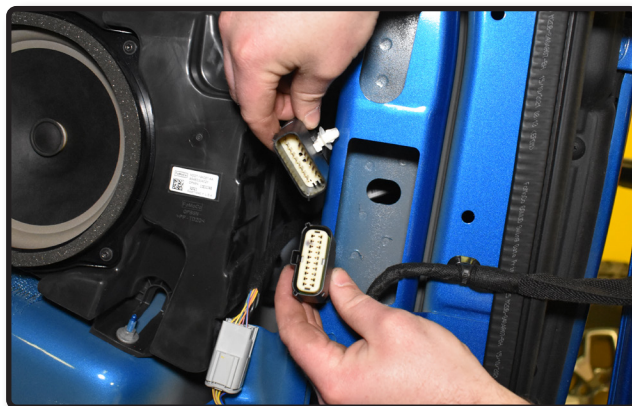


FIGURE 9B

STEP: 14

PEEL AWAY FACTORY WIRE SHEATHING FROM MALE PLUG END TO GAIN ACCESS TO WIRING, AND LOCATE BLUE WIRE WITH LIGHT GRAY TRACER. (FIG. 10)



FIGURE 10



STEP: 15

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. 11A)** PEEL SOME LENGTH OF GROUND WIRE SUFFICIENT TO REACH THE FACTORY GROUND LOCATED UNDER THE REAR SIDE WINDOW. CONNECT GROUND WIRE. **(FIG. 11B)** RECONNECT WIRE HARNESS PLUG AND REATTACH CLIP TO INSIDE OF BODY COMPARTMENT. **(FIG. 11C)**

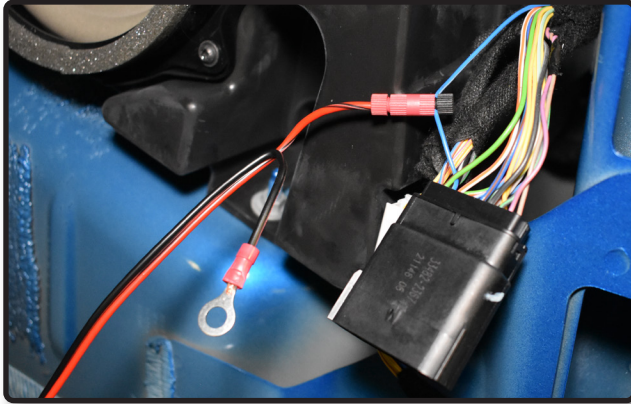


FIGURE 11A

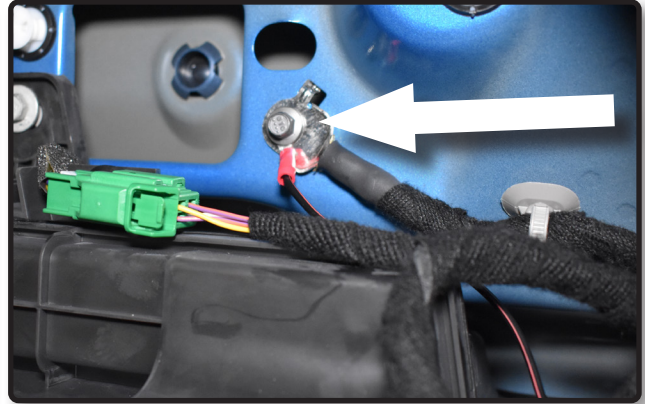


FIGURE 11B



STEP 15 NOTE:
CHECK WIRE LENGTH TO ENSURE
THAT IT IS LONG ENOUGH TO
REACH THE LICENSE PLATE
BRACKET LOCATION.



FIGURE 11C

STEP: 16

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. 12A, 12B)** ONCE WIRE IS FED THROUGH TAPE WITH ELECTRICAL OR AUTOMOTIVE TAPE. **(FIG. 12C)**

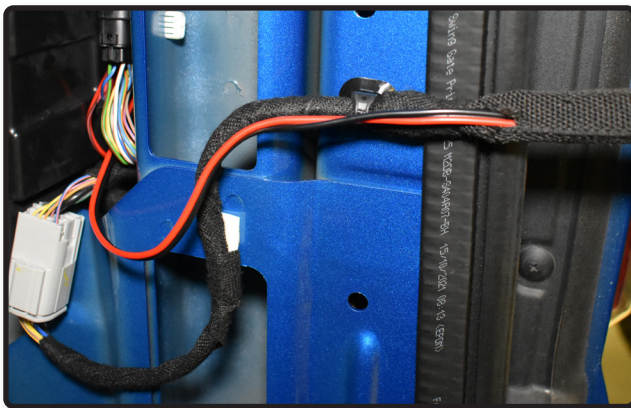


FIGURE 12A

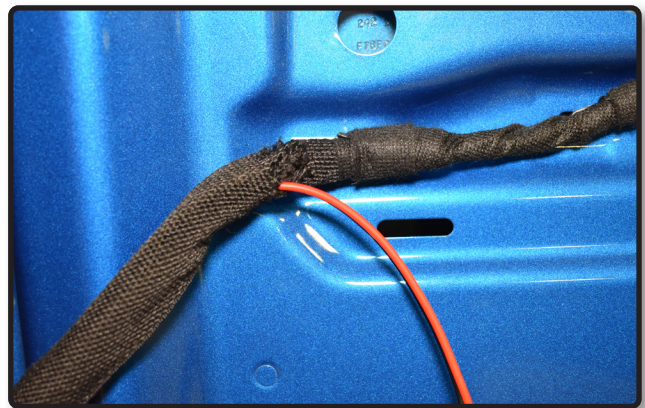


FIGURE 12B



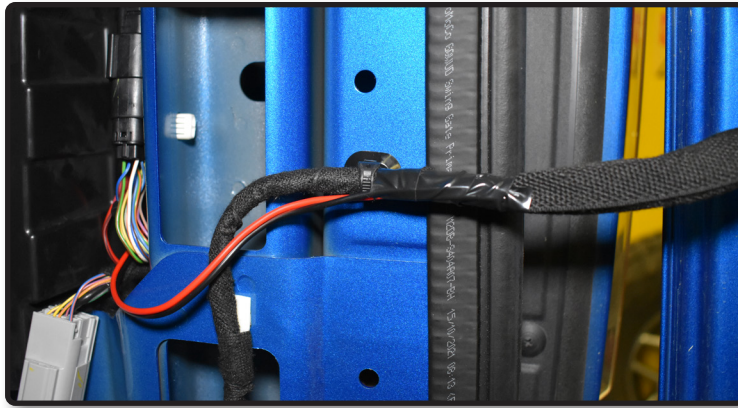


FIGURE 12C

STEP: 17

TAPE NEW WIRING TO THE EXISTING WIRE HARNESS. (FIG. 13)

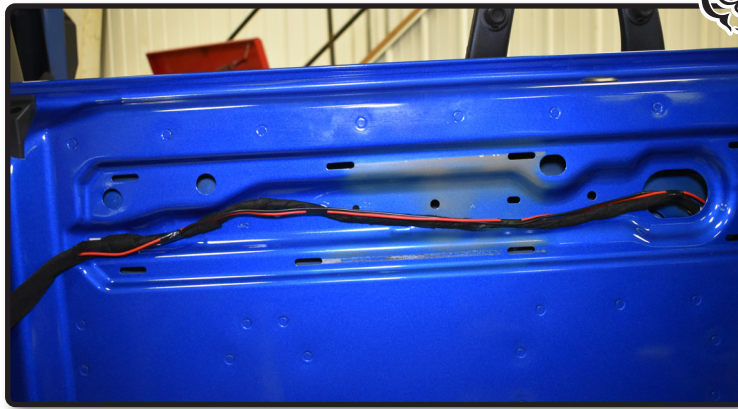


FIGURE 13



STEP 17 NOTE:
CAN ALSO BE ATTACHED WITH
PROVIDED ZIPTIES.

STEP: 18

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. 14A, 14B)



FIGURE 14A



FIGURE 14B



STEP: 19

FEED WIRES THROUGH THE GROMMET. (FIG. 15A, 15B)



FIGURE 15A



FIGURE 15B

STEP: 20

WIRE CRIMP THE PROVIDED FEMALE ENDS TO THE ENDS OF THE BLACK AND RED WIRES. (FIG. 16)



FIGURE 16

STEP: 21

REPLACE TIRE SECURING WITH THE FACTORY BOTTOM LUG NUT ONLY. (FIG. 17A) INSTALL 2 PROVIDED LUG NUTS AS SHOWN IN (FIG. 17B) TORQUE LUG NUT AND PROVIDED LUG NUTS TO NO MORE THAN 100 FT LB USING 3/4" SOCKET.



FIGURE 17A



FIGURE 17B



STEP: 22

INSTALL PROVIDED SMALL BRACKET TO WHEEL LUGS USING PROVIDED 1/4"-20. TIGHTEN TO NO MORE THAN 17 FT. LB. (FIG. 18)



FIGURE 18

STEP: 23

INSTALL THE PLATE BRACKET TO THE LUG BRACKET USING THE PROVIDED BUTTON HEAD 1/4"-20 HEX BOLTS AND LOCK NUTS USING 3/16" HEX BIT AND 7/16" SOCKET OR WRENCH. ADJUSTING WHERE NECESSARY. (FIG. 19A, 19B)

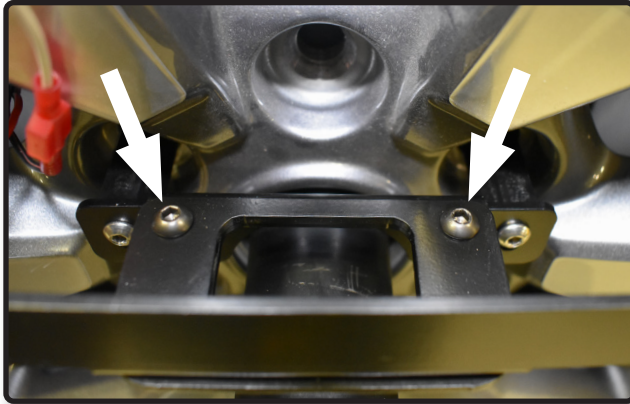


FIGURE 19A

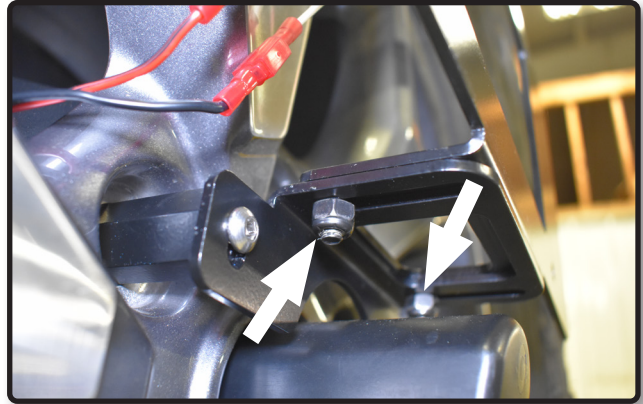


FIGURE 19B

STEP: 24

PLUG IN WIRES BLACK TO WHITE, RED TO BLACK.

STEP: 25

MOUNT LICENSE PLATE USING 4 PROVIDED 1/4"-20 BUTTON HEAD HEX BOLTS AND LOCK NUTS USING 3/16" HEX BIT AND 7/16" SOCKET OR WRENCH. TORQUE NO MORE THAN 17 FT. LB.



FIGURE 18



STEP: 26

CHECK TO ENSURE LIGHT IS FUNCTIONAL. RE-ASSEMBLE INTERIOR, REPLACING GATE PANELS, REAR FLOOR PANEL, REAR PASS. DOOR KICK PANEL, PASS. REAR SIDE PANEL AND ROLL BAR TRIM PANEL.



NOTE:
IF LIGHT DOES NOT WORK IT MAY
BE NECESSARY TO SWITCH WIRES.



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