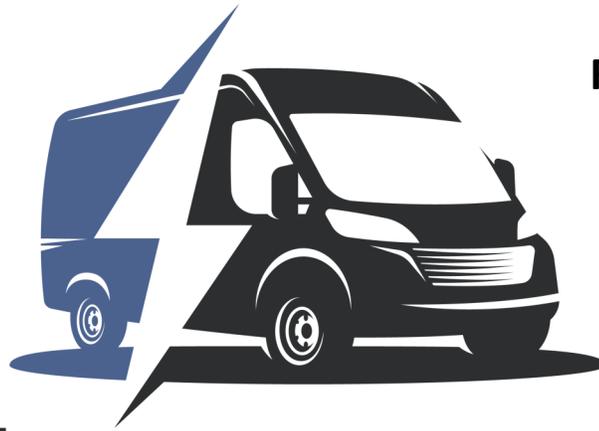


INSTALLATION INSTRUCTIONS



REVISED 11/2022



THE **ELECTRIC BOLT** BY **CARGO VAN LOCKS**

2015-Current Full Size Ford Transit

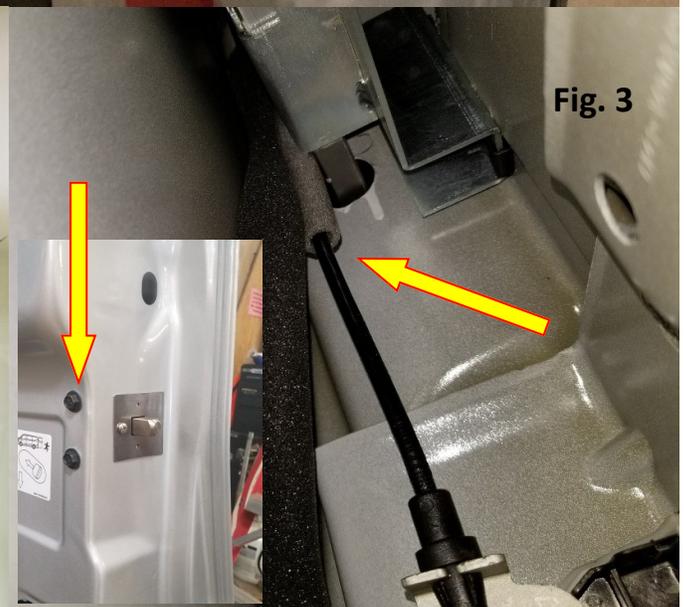
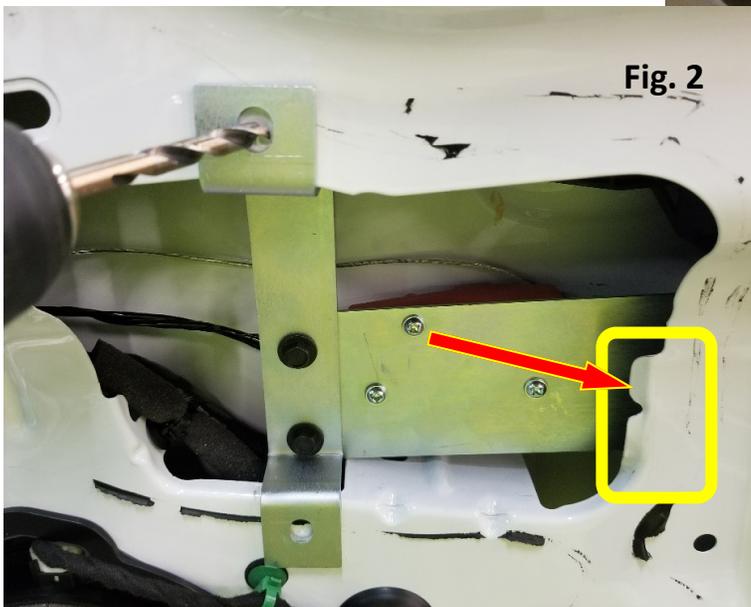
Swing and Sliding Door Models

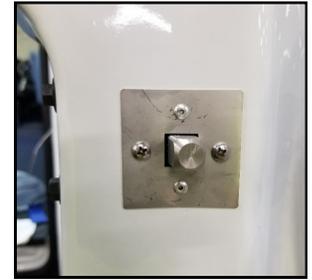
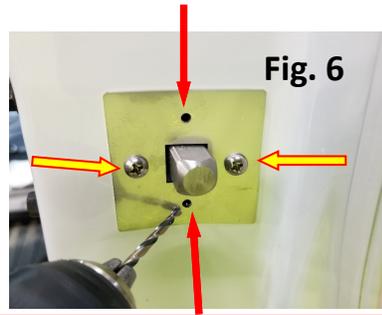


We protect your tools from the constant threat of theft!

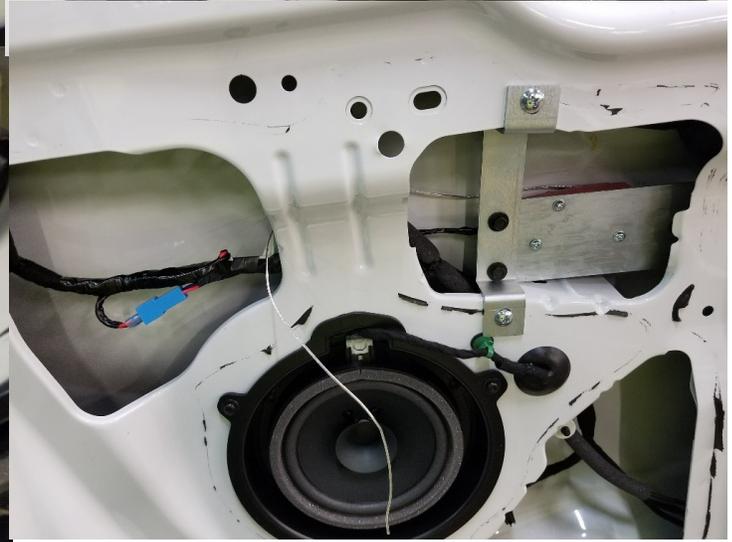
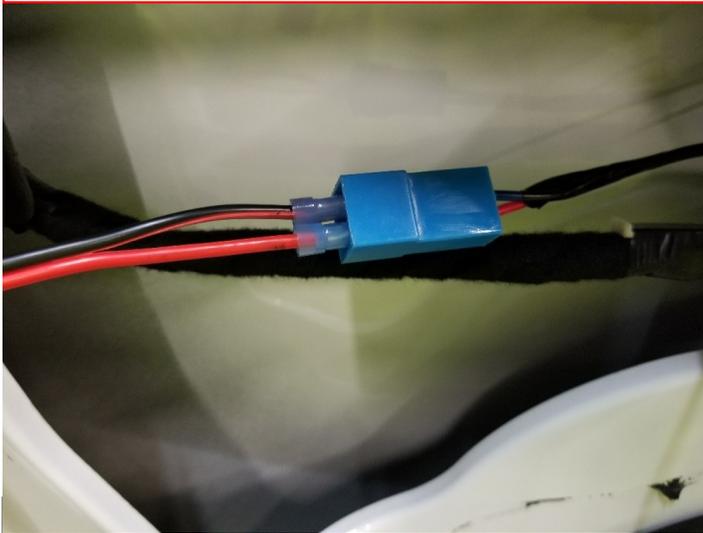
DEADBOLT-REAR DOOR

1. Remove the rear door panel and pull the clear plastic covering halfway down.
 2. Cut out the rear door template and tape to the inside of the right rear door. Make sure to line up the template with the body lines. By the 2-Red Arrows, mark the hole locations with a center punch and drill 1/4" holes. By The Yellow Arrow, mark location with a center punch and drill a 1/4" pilot hole and then enlarge it with a 3/4" step drill. Fig.1
 3. With plyers, you will need to bend the metal tabs inside the yellow box to make room for the assembly. Fig.2
 4. Place the deadbolt assembly inside the door and be sure the factory door lock cable is on the outside of the deadbolt shaft. (Notice factory door lock cable by Yellow arrow). Then fasten into place with 1/4" - 20 washer head screws. Fig. 3
 5. Once you have tighten the 2 screws to the deadbolt assembly, then attach the mounting bracket to the assembly with 2 more 1/4" -20 screws. Then use a 1/4" drill on the two mounting bracket tabs as in Fig.2
- * Be sure to treat all drilled holes with a cold galvanized paint to protect from surface from rust corrosion.



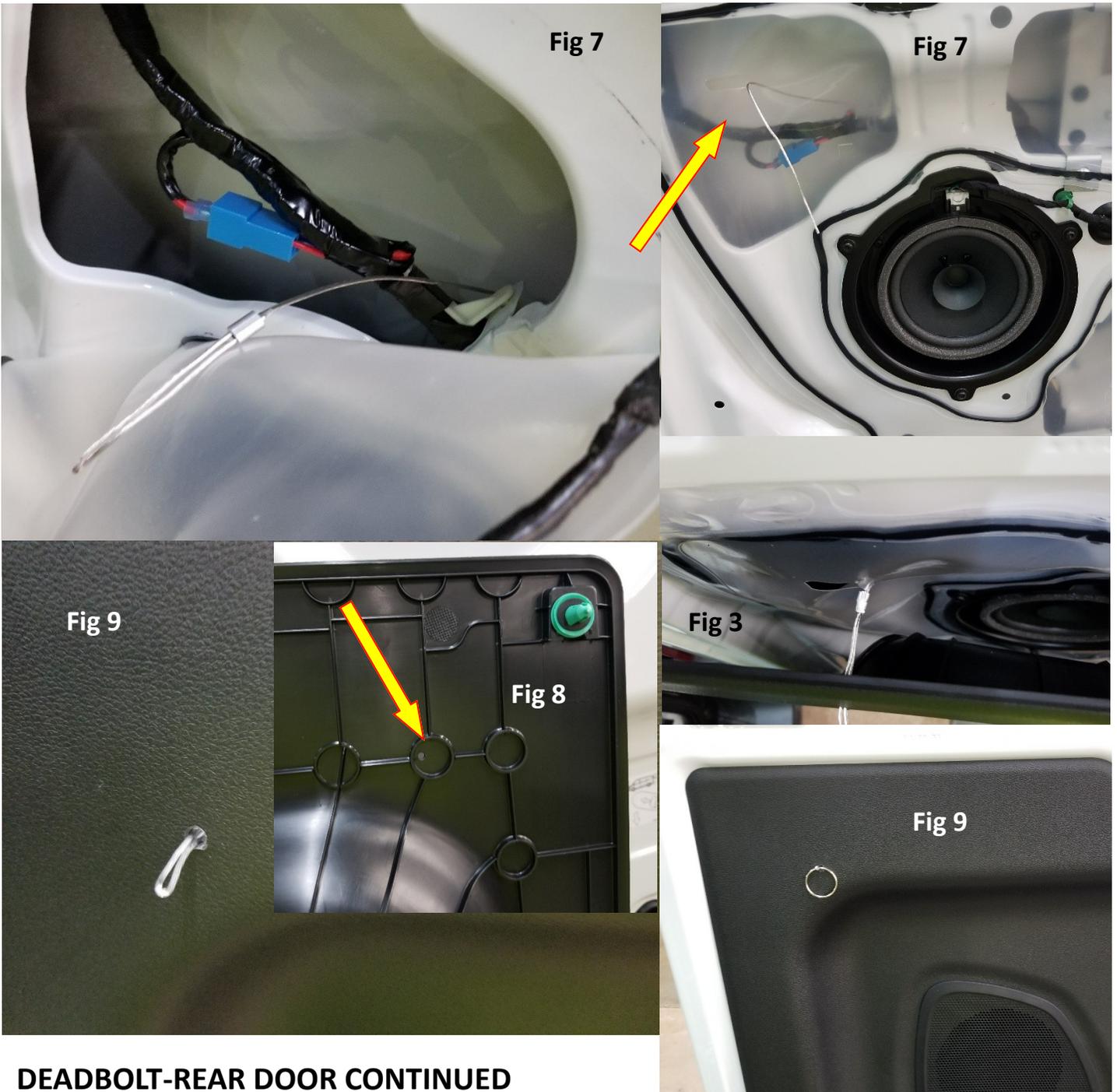


6. This is a good time to test the deadbolt to be sure that it moves freely through the 3/4" hole. Fig.4
7. Place the smaller trim plate on the deadbolt that is sticking out of the door. Fig.5
8. Drill two 5/32 holes next to the Yellow arrows tighten the #8 x 1/2" SS screws. Then drill the two 1/8" holes with thru the plate as shown the Red arrows. Then insert 2 aluminum rivets. Fig. 6



DEADBOLT-REAR DOOR Wiring Instructions

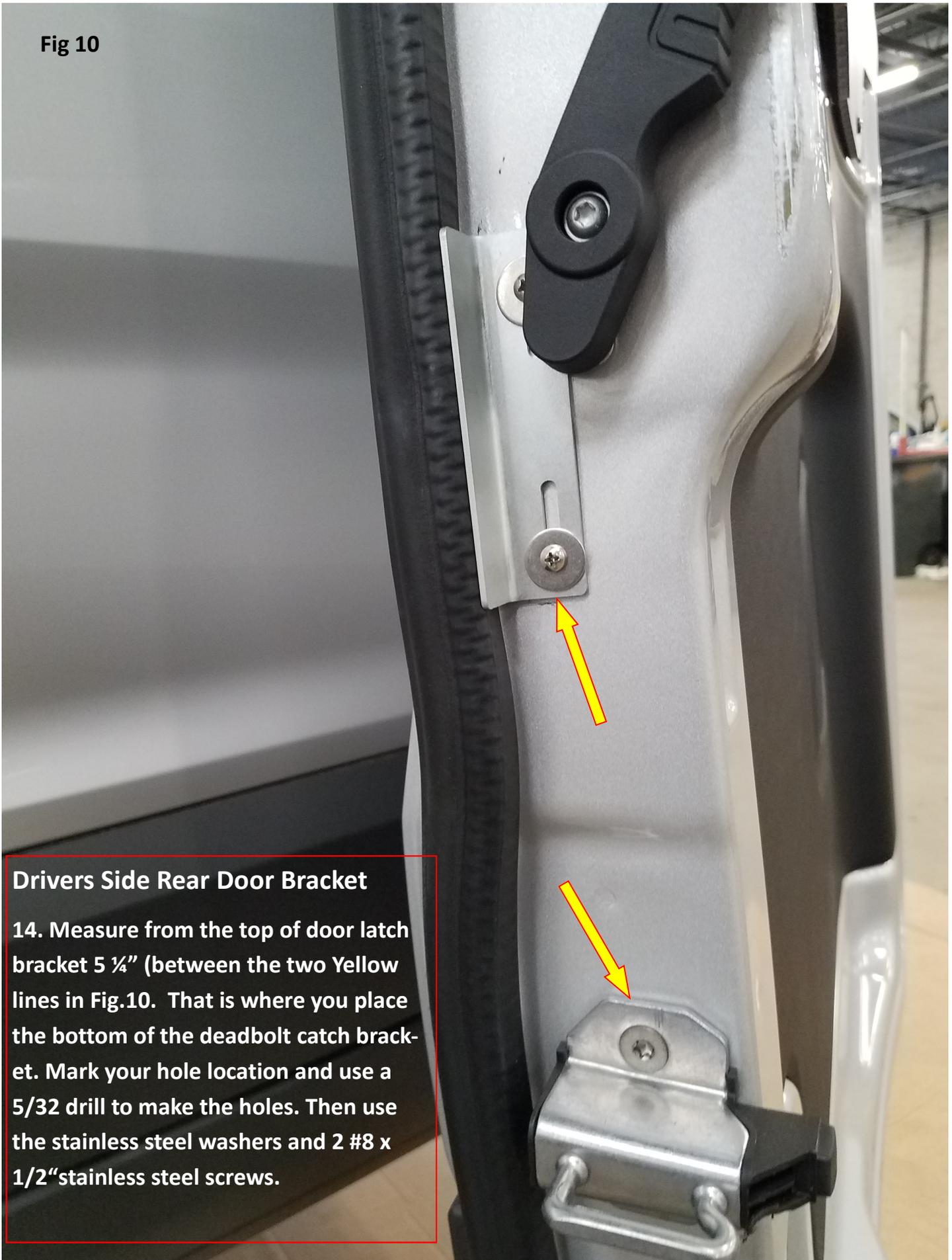
9. Attach the two provided wire leads to the Blue harness . Then splice into the Green with White Strip and Brown with Green Strip wire in the factory power door lock harness. Now test the lock to make sure it is moving freely and in sync with factory locks.
10. After testing-then solder the wires and tape off the harness and zip tie into place.



DEADBOLT-REAR DOOR CONTINUED

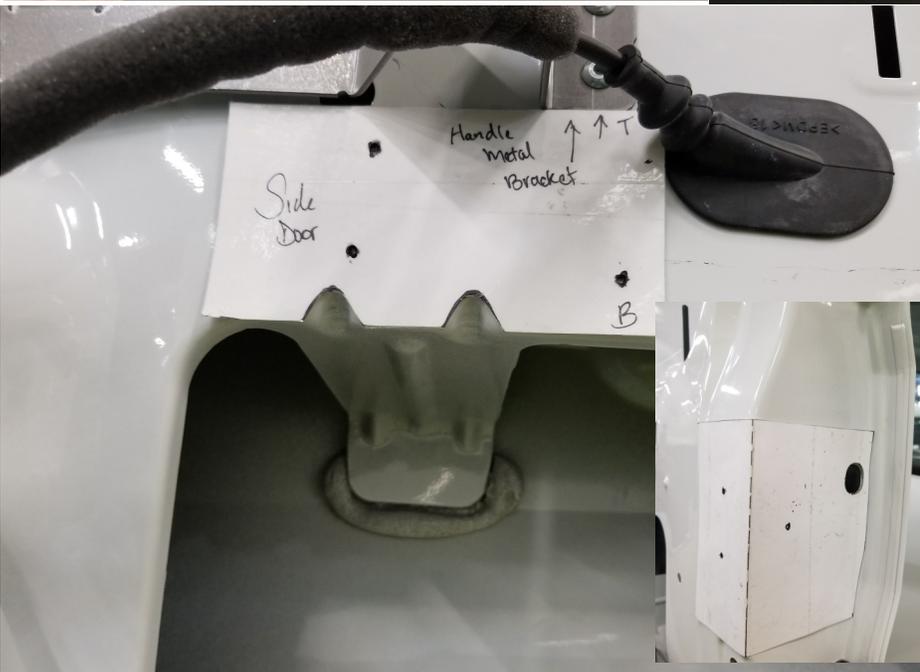
11. Next we need to attach the “Emergency Lock Release “. Cut a slit in the plastic covering and feed the wire through. Re-attach the plastic covering. Fig 7
12. On the back side of the door panel, drill a 3/16” hole in the center of the round indent on the back of door panel as noted by the Yellow arrow. Fig 8
13. Feed the loop through the hole in the door panel and re-attach panel as shown. Then attach the key ring to the loop. This is your lock release in the event that a person got locked inside van. Fig.9

Fig 10



Drivers Side Rear Door Bracket

14. Measure from the top of door latch bracket 5 ¼" (between the two Yellow lines in Fig.10. That is where you place the bottom of the deadbolt catch bracket. Mark your hole location and use a 5/32 drill to make the holes. Then use the stainless steel washers and 2 #8 x 1/2" stainless steel screws.

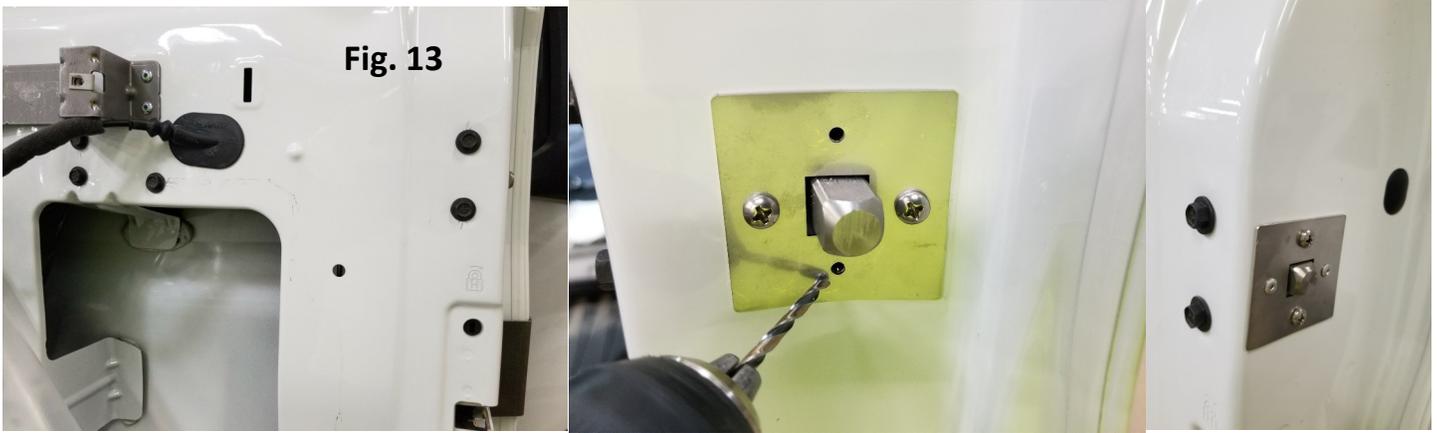


Side Swing Door Installation

15. Remove door Panel as shown in the photos in Fig.11 Then pull plastic coving halfway down to gain access to the door cover.

16. Cut out and tape the templates as shown in Fig. 12 Mark you hole locations and use a $\frac{1}{4}$ " drill bit at all 6 marks. With a $\frac{3}{4}$ " inch step drill open up hole as shown with the red arrow.



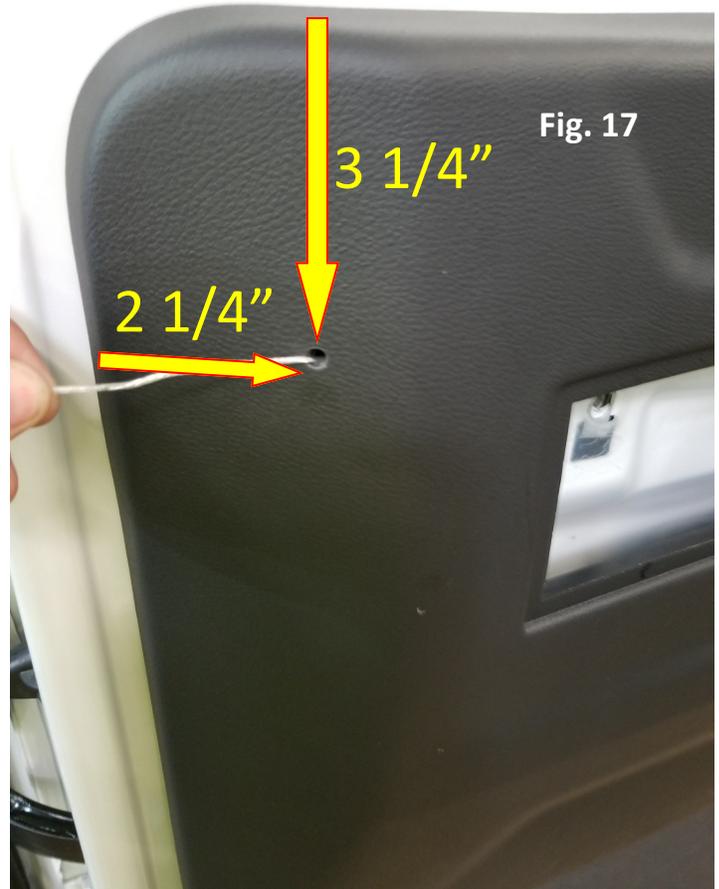
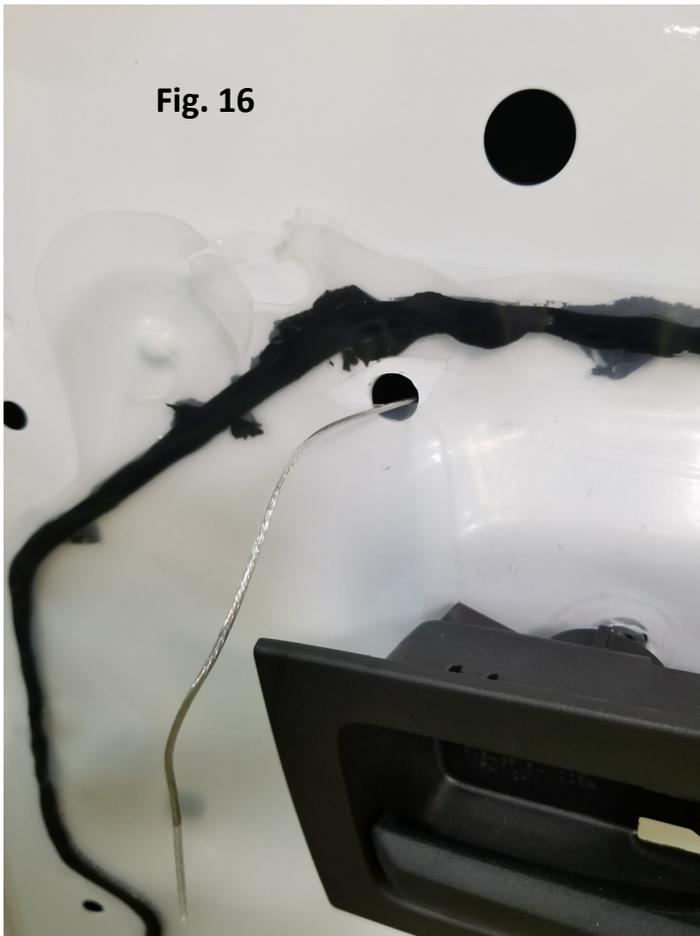


DEADBOLT-SIDE DOOR Wiring Instructions

19. Attach the two provided wire leads to the Blue harness. Then splice into the Gray with Blue strip and Brown with Green strip wire in the factory power door lock harness. Now test the lock to make sure it is moving freely and in sync with factory locks. Fig.14

20. After testing then solder the wires and tape off the harness and zip tie into place. Fig.15





21. Drill a 5/16" hole through inside door panel then feed the loop end of the wire through the hole and clear plastic cover. Fig.16
22. Drill a 3/16" hole through Black door panel as shown in picture. Measure 3 1/4" from top down and 2 1/4" over from the edge. Fig. 17
23. Then feed wire through the door panel and re attach door panel. Then attach the key ring to the loop. Fig. 18

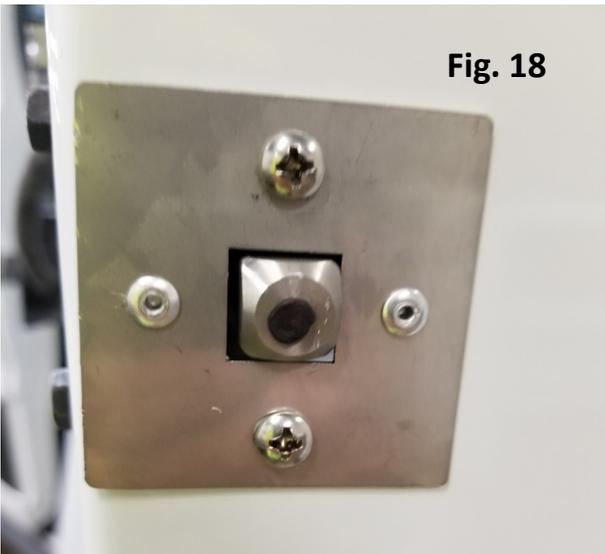


Fig. 18

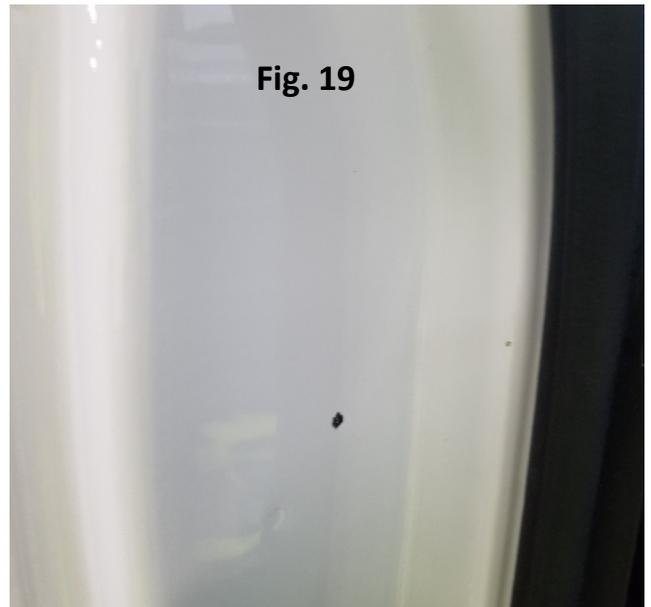


Fig. 19

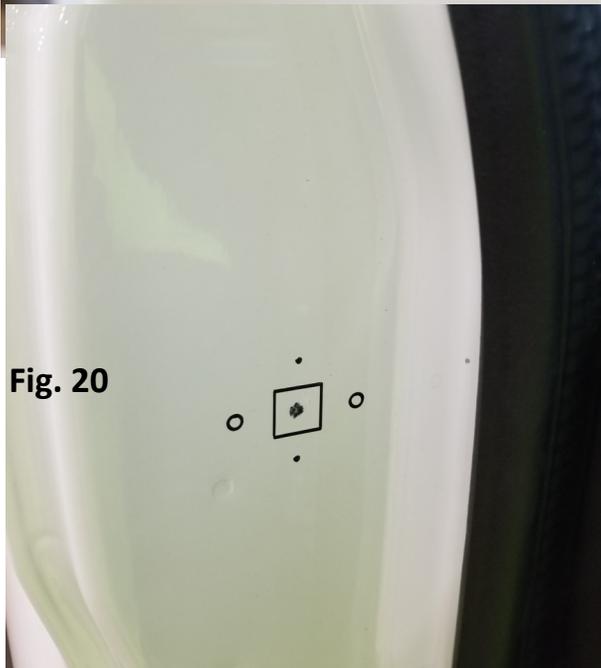


Fig. 20



23. Take a small piece of butyl tape and place on the center of the deadbolt. Fig18

24. This is so we can transfer the exact hole location on the left side door. Close the doors and using the factory remote press the lock button. This will transfer the mark where you will drill the hole for the deadbolt. Fig. 19

25. Using the larger hole plate, mark the holes as shown in Fig. 20

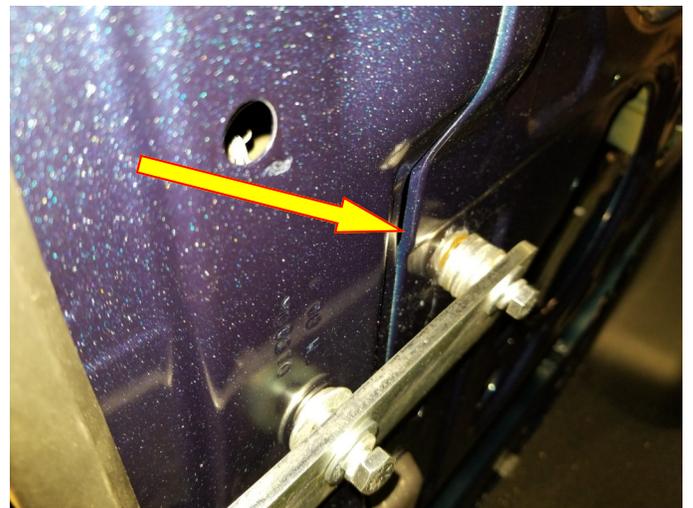
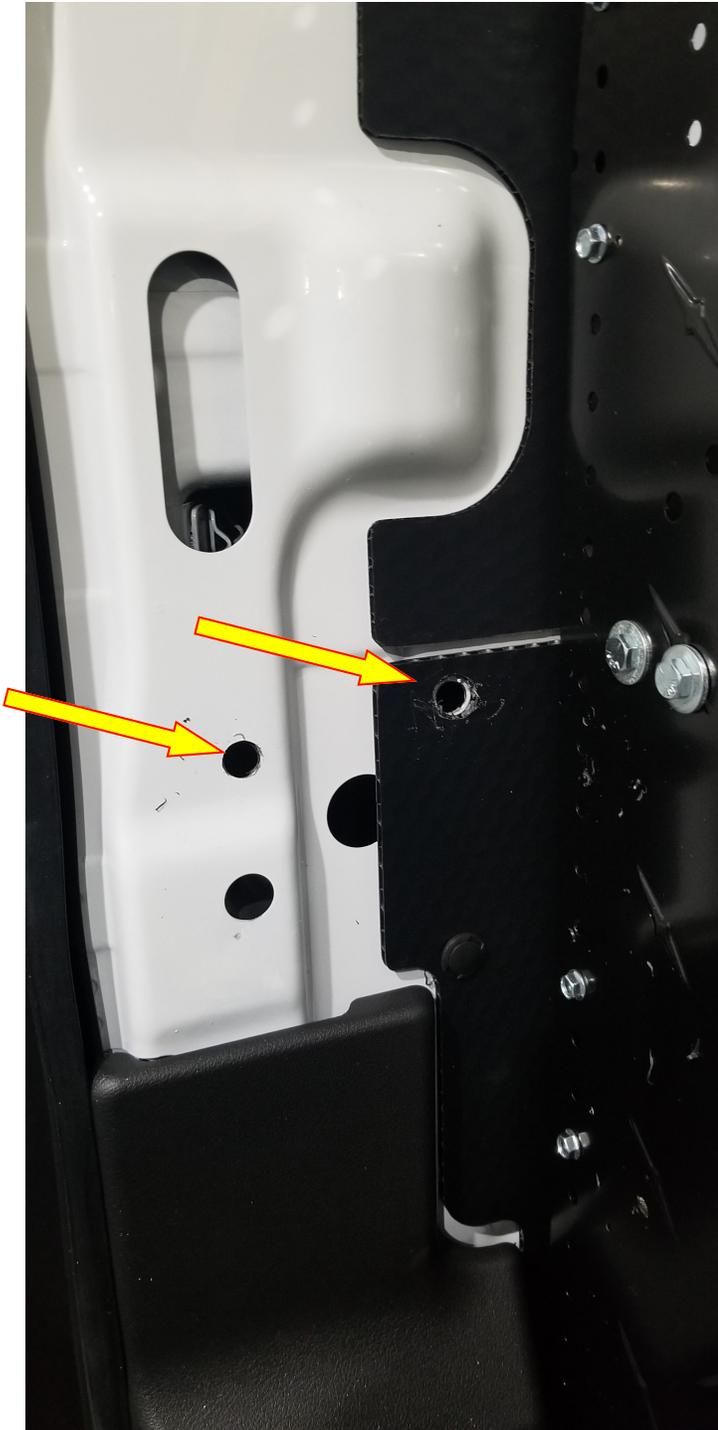
26. Drill $\frac{3}{4}$ " hole for the deadbolt. Repeat step 8.

27. This is a good time to test the deadbolt to be sure that it moves freely through the $\frac{3}{4}$ " hole. Fig.4

*** Be sure to treat all drilled holes with a cold galvanized paint to protect from surface from rust corrosion.**

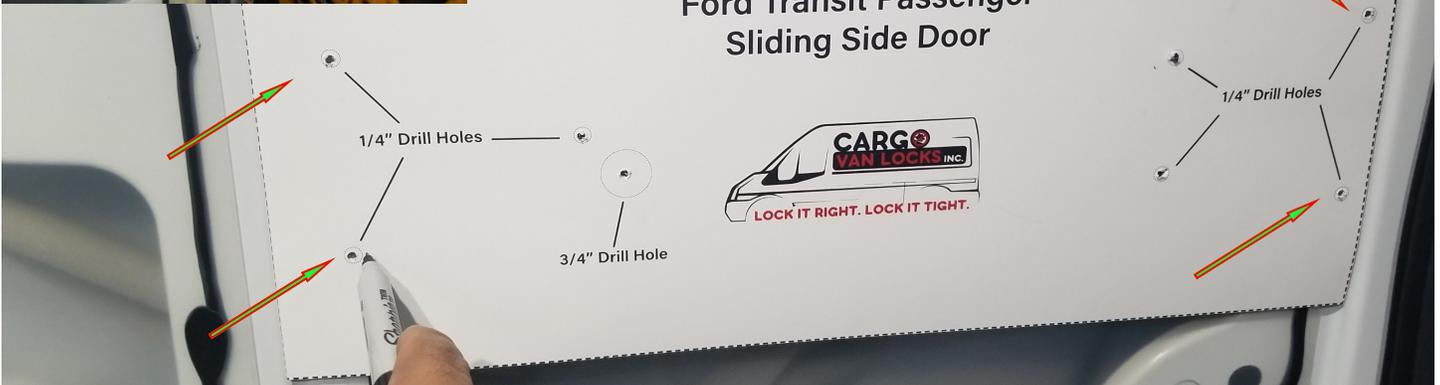
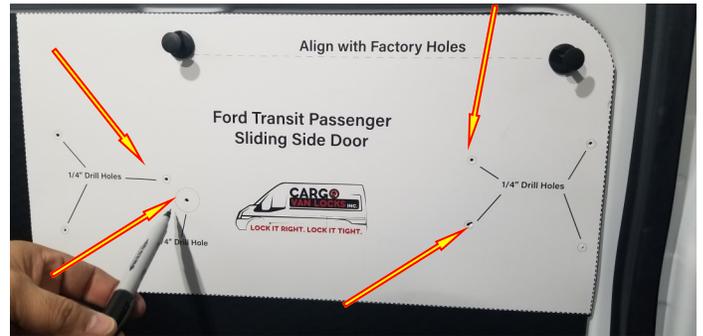
DEADBOLT –Sliding Side Door

1. Holes in bracket line up with these 2 factory holes.
2. Open holes up fit the 5/16 plus nut—Set the provided plus nuts
3. Mount the bracket with the provided bolts and washers
4. Test the dead bolt to be sure hole is lined up with the bolt. Please note that if your van has a wall Liner kit, you will use less washers to shim the bracket.



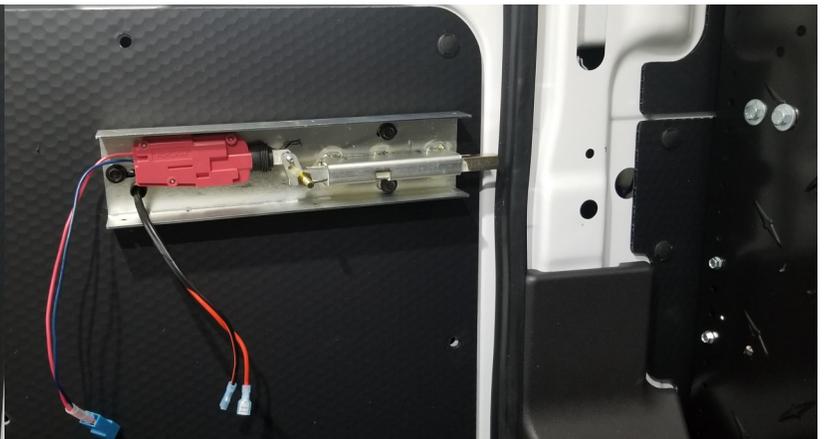
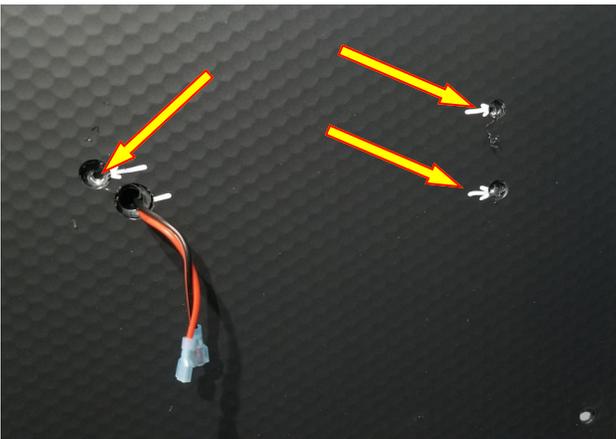
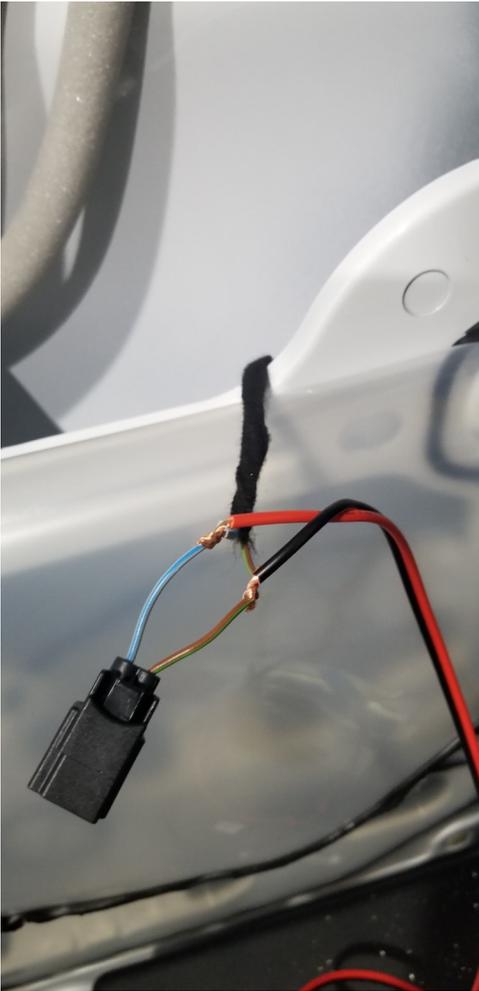
DEADBOLT –Sliding Side Door

1. Remove the top two right side door panel plugs and place template as shown. Then spot the first four hole locations as indicated by the yellow arrows. Remove the door panel—drill holes as per template instructions. (It is okay to make over sized as needed. Pull down the clear plastic cover half way. Then spot the outside four hole locations as indicated by the green arrows. Use a 1/4” drill where you made your marks.



DEADBOLT –Sliding Side Door

You are now ready to solder wires to the factory door lock same way as rear door. (Be sure to test lock before you go any further). Cut a small slit in the plastic and feed the wire thru. Stick the plastic cover back in place and then bolt support plate as shown below. Replace door panel and feed wire thru the 3/4 " hole and the lock plate as shown below. Bolt plate in place using the three remaining holes. Test for alignment - make adjustments as needed. Mount the cover using small remaining screws. Be sure to test for alignment as you go to insure that the deadbolt goes into the hole on the bracket. Side door is complete.





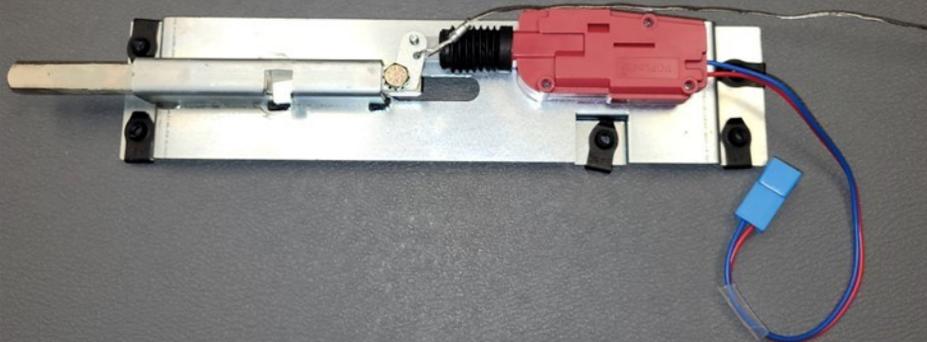
THE
ELECTRIC BOLT
BY CARGO VAN LOCKS

CVL FT Swing Side Install Kit



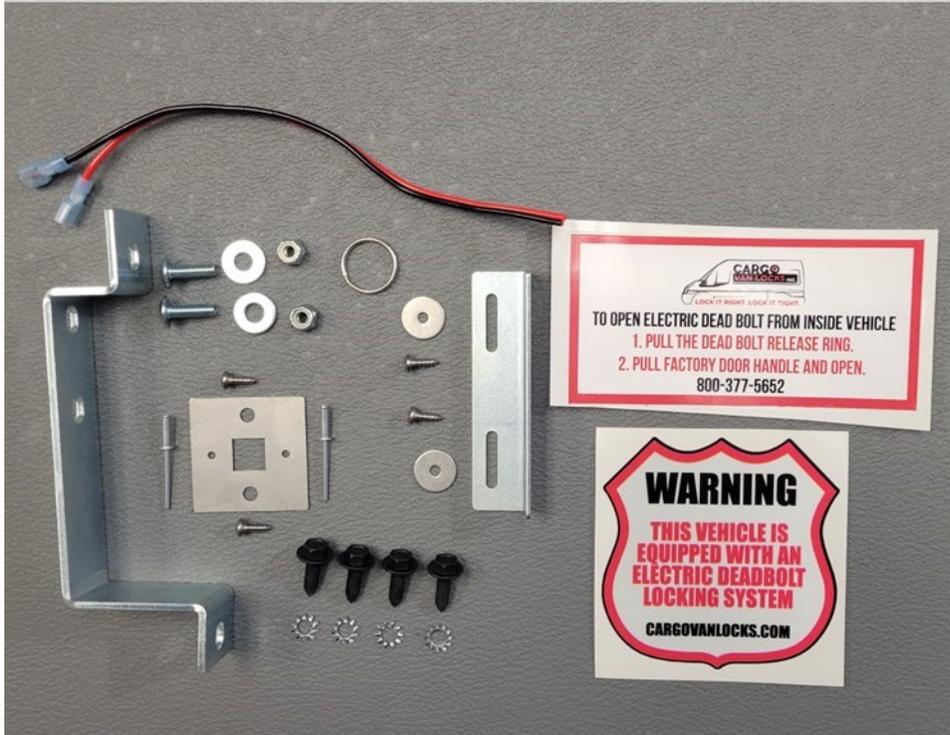
THE
ELECTRIC BOLT
BY CARGO VAN LOCKS

CVL FT Swing Side Door Assembly

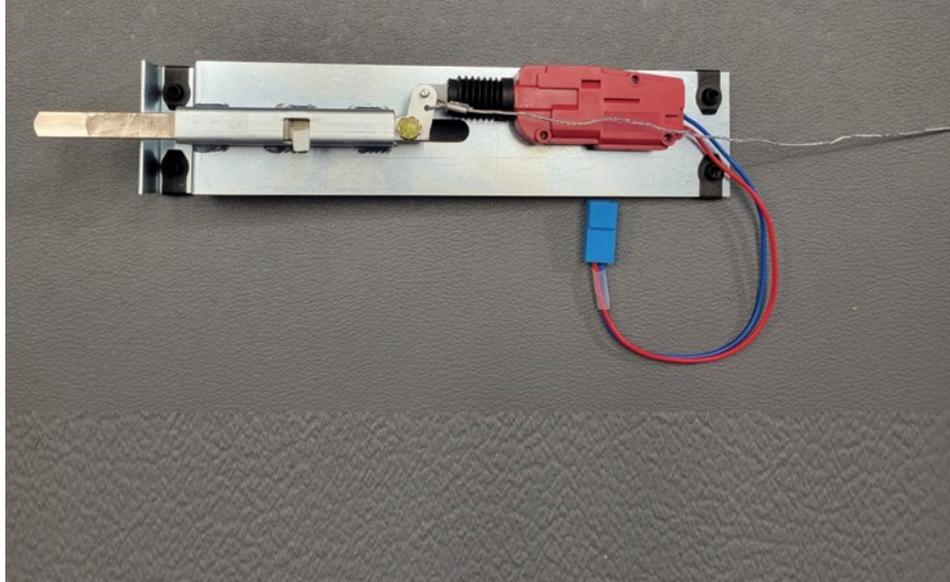


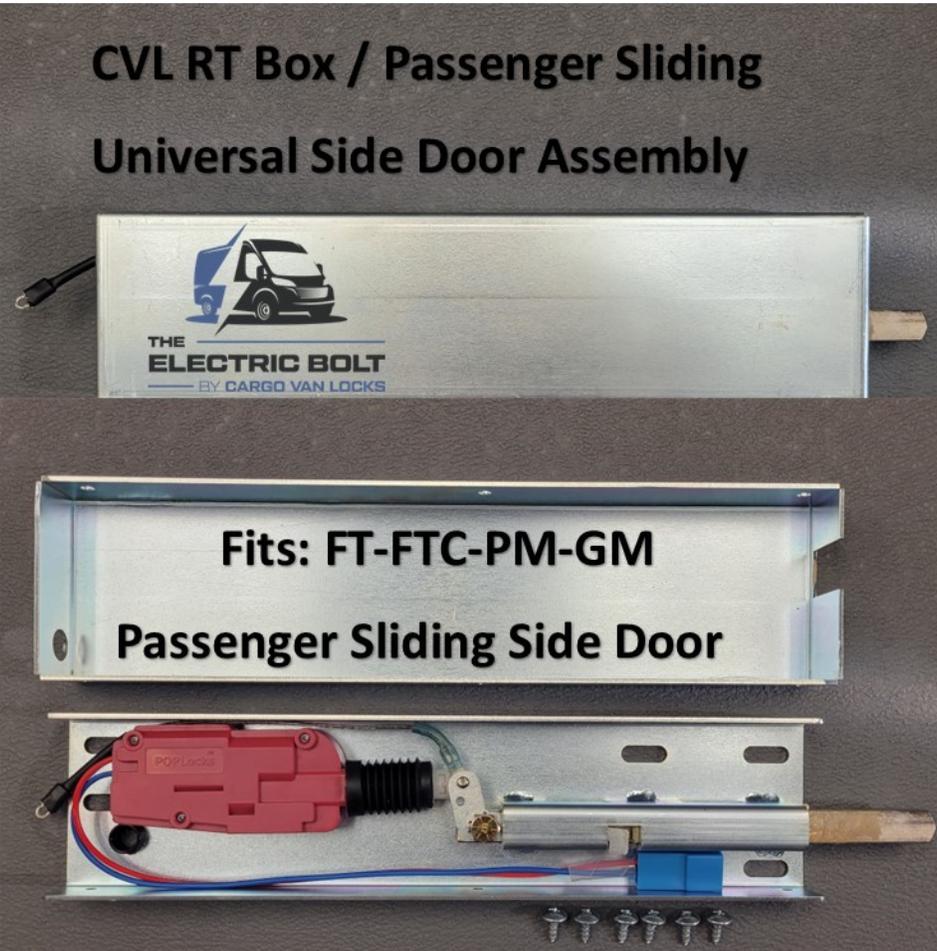


CVL FT Rear Door Install Kit



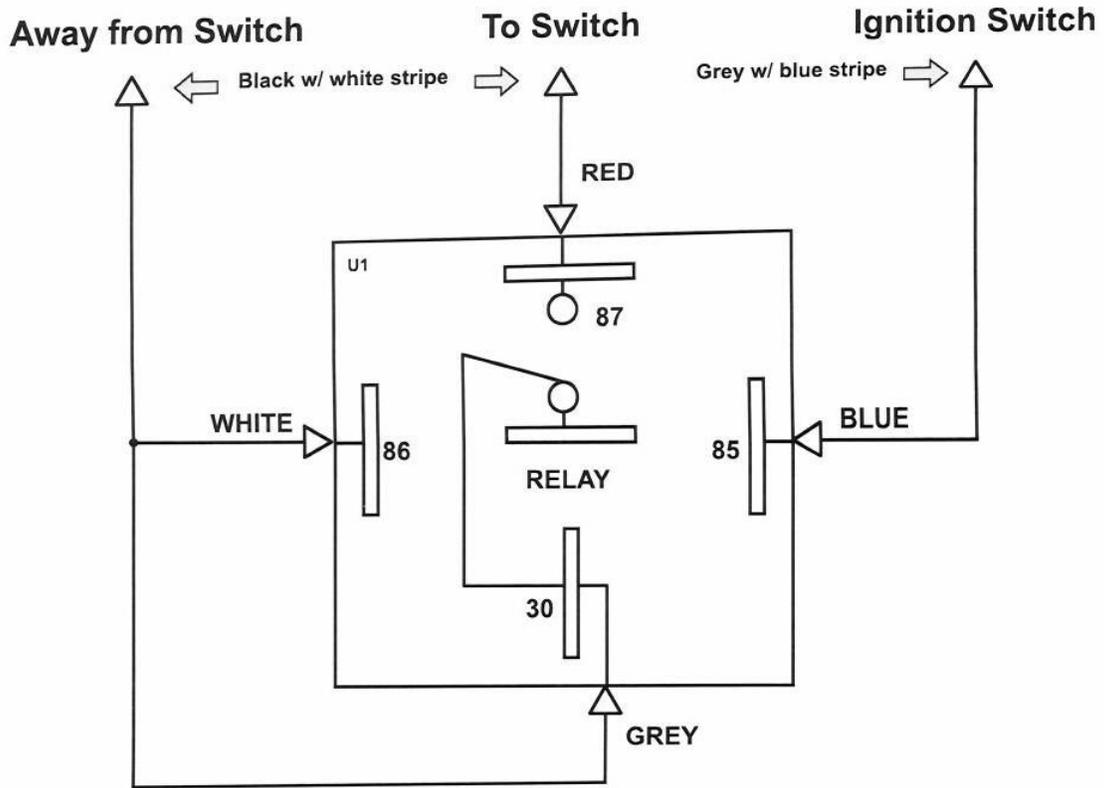
CVL FT Rear Door Assembly





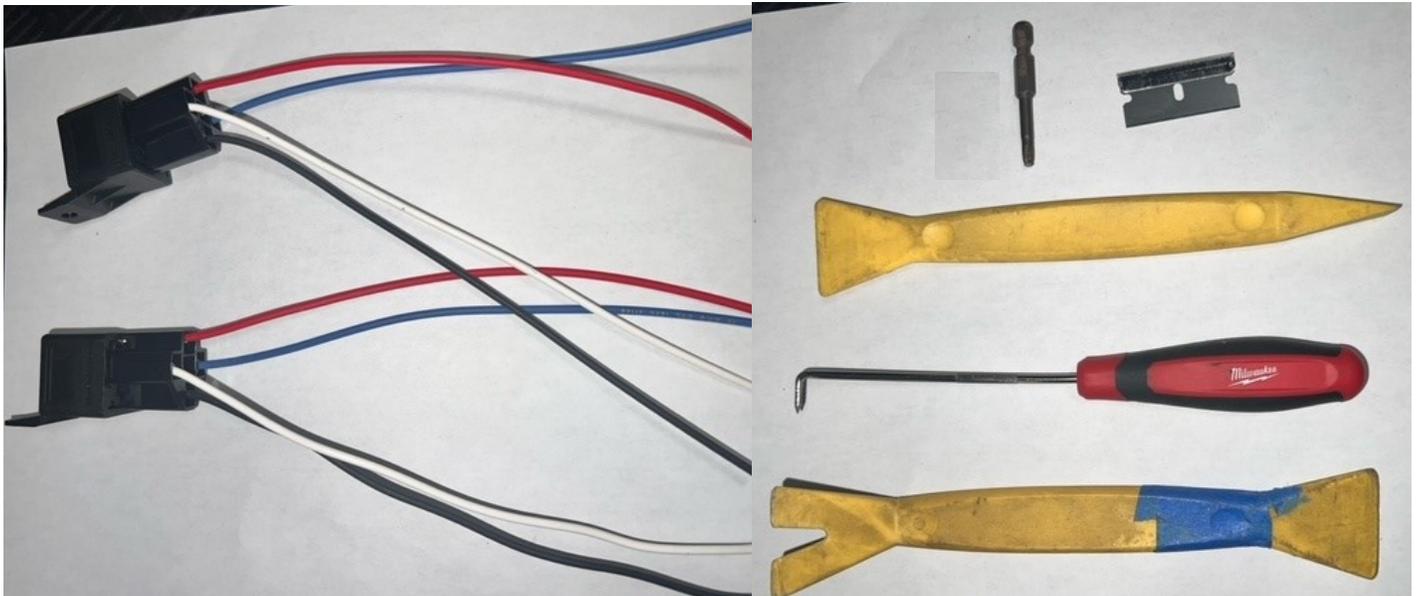
Factory Power Door Lock Bypass Instructions

This step is required to bypass the lock switch on doors. Factory door lock switches will only operate when vehicle has power.



RELAYS NOT INCLUDED

TOOLS NEEDED





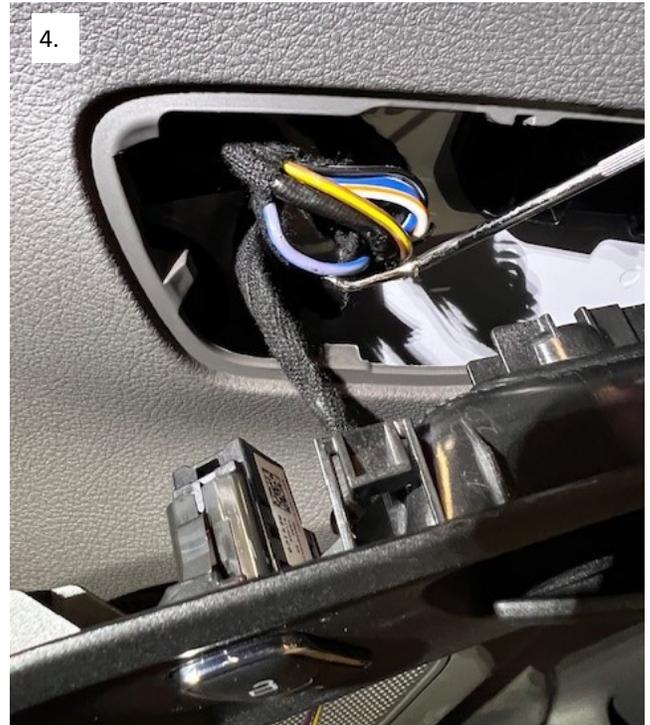
1. Using pick hook tool, remove the door handle plastic cover



2. Remove the screw with #20 torx bit



3. Use panel tools to remove the door handle to get access to the door switch wire



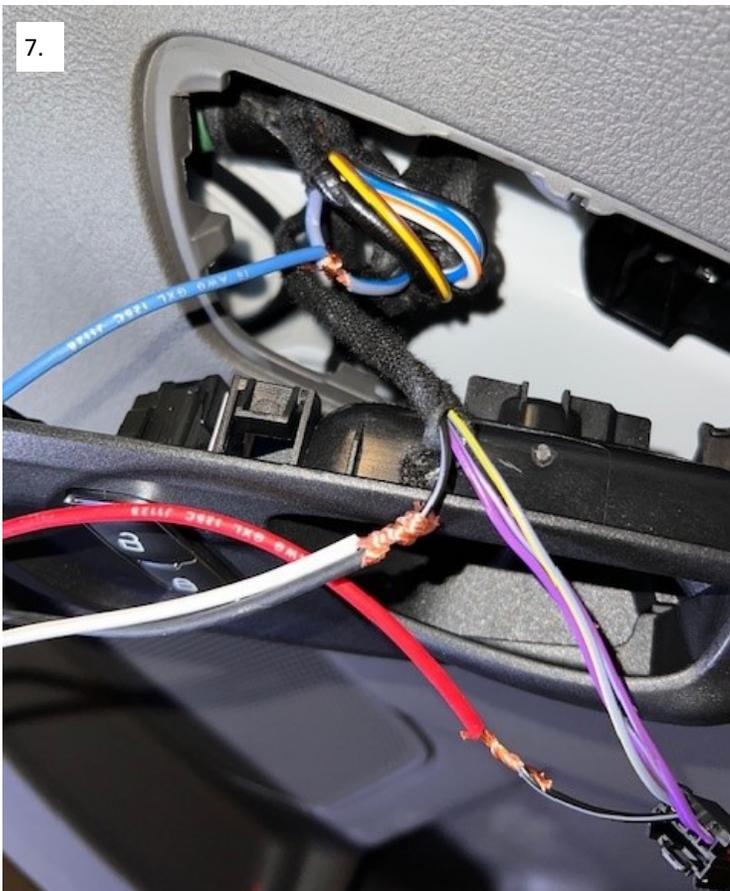
4. With the pick tool and razor blade, carefully cut the factory tape off the wires



5.



6.



7.

5. Black/Gray stripe wire is ground off the door lock switch

6. Cut Black/Gray stripe ground wire and strip both ends

7. Red relay wire to Black/ Gray stripe on switch side , White and Black relay wires to Black/Gray stripe towards vehicle side and Blue relay wire to Gray/Blue stripe is ignition off window switch

8. Turn on the ignition and test before soldering and taping all connections and position the relay inside door panel

9. Repeat this step on both door switches

10. Apply the Warning Stickers as shown on next page

Thank you for purchasing "The Electric Bolt" by Cargo Van Locks

Call us at 630-652-1200 if you have any questions



10.



10.