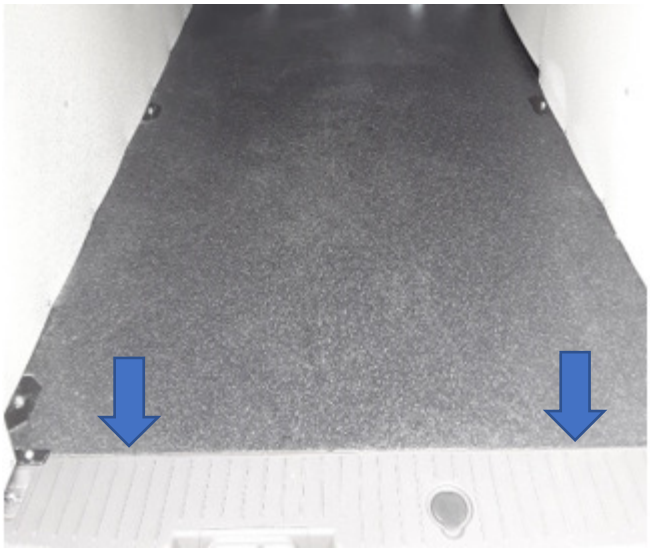
Ford Transit Connect LWB Trasnport Cage with Floor, B-Pillar Bulkhead, Rear & Curbside Cage Door Kit Installation Instructions – KA-PN-02472

Component Item Code	Description	UOM	Quantity
FA-BR-02395	TRANSIT CAGE ABS LIGHT BRACKET	EACH	4.00
FA-BR-02420	BRACKET SECURE CAGE TO B-PILLA	EACH	2.00
FA-FL-02101	TRANSIT CONNECT CARGO META	EACH	1.00
FA-PN-01958	SS INNER CAGE WALL TC	EACH	1.00
FA-PN-02021	CS INNER CAGE WALL W PSNGR DR	EACH	1.00
FA-PN-02022	TC REAR INNER CAGE ROOF	EACH	1.00
FA-PN-02060	REAR CAGE DOOR TC	EACH	1.00
FA-WI-01574	WH TC SECURE CARGO DOOR & INT	EACH	1.00
FA-WO-01393	SPACER 3/8 PLYWOOD FOR L-TRACK	EACH	10.00
FA-WO-01800	NCV WOOD FLOOR SPACER	EACH	4.00
RM-AD-01530	TAPE,FOAM,1/2"x1/16" THICK,NEO	IN	24.00
RM-BH-01402	TC B-PILLAR COMPOSITE PARTITIO	EACH	1.00
RM-BO-00139	BOLT,10-32(3/16)x3/4,HH,ZP,Gr5	EACH	8.00
RM-EL-01125	WIRE LOOM,SPLIT,1/4"	FT	2.00
RM-EL-01485	12V 3 LED STEP WELL LIGHT, PZ0	EACH	2.00
RM-EL-01655	LED, 5", 12V MARINE STRIP	EACH	4.00
RM-HA-01513	T-HANDLE, LOCKING, QUARTER TUR	EACH	2.00
RM-NU-00045	NUT,NYLOCK,1/4-20 ZP	EACH	2.00
RM-NU-00136	NUT,NYLOC,10-32 (3/16)	EACH	2.00
RM-RU-01223	BUMPER,RUBBER,1/2",1/4-20 stud	EACH	2.00
RM-SB-00416	ANGLE 3 X 2 X 3/16 X 20'	FEET	0.20
RM-SC-00039	SCREW,10-16*3/4",S/D,Z/P,5/16	EACH	12.00
RM-SC-02012	SELF TAP SCREWS FOR METAL,	EACH	4.00
RM-SC-02298	#8 X 3/4" XTRA WIDE HEAD SELF	EACH	12.00
RM-SC-02495	1/4" X 2" HEX HEAD ZP SELF TAP	EACH	20.00
RM-WA-00137	WASHER,M6,ZP,18mmOD,6.4mm	EACH	8.00
RM-WA-00223	WASHER,SS,1/4,0.625 OD	EACH	2.00
RM-WA-01799	NEOPRENE1.25" OD X .25" ID X 1/8" THICK WASHER, NYLON	EACH	8.00

1. Install (10) - FA-WO-01393 Plywood Spacer using the Adhesive Tube (RM-AD-02518 - 3M 590 310ML CAULKING TUBE) . Place spacers in valleys of the floor to support the floor.

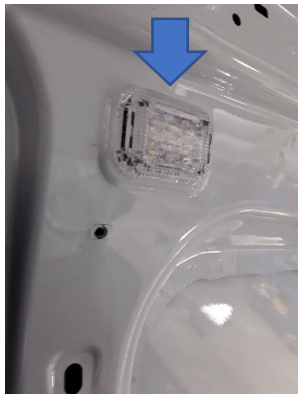
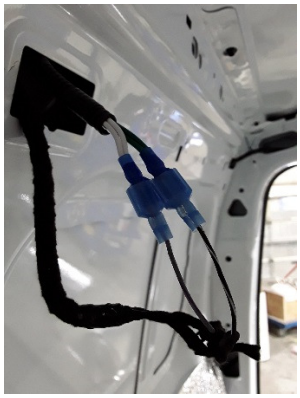
2. Use Adhesive (RM-AD-02518 - 3M 590 310ML CAULKING TUBE) on high spots of the panel of the floor to prep for the floor.

3. Place floor (FA-FL-02101 TRANSIT CONNECT CARO FLOOR) on top of adhesive. The floor should be flush with rear stepwell and center between the wheel well of the van.

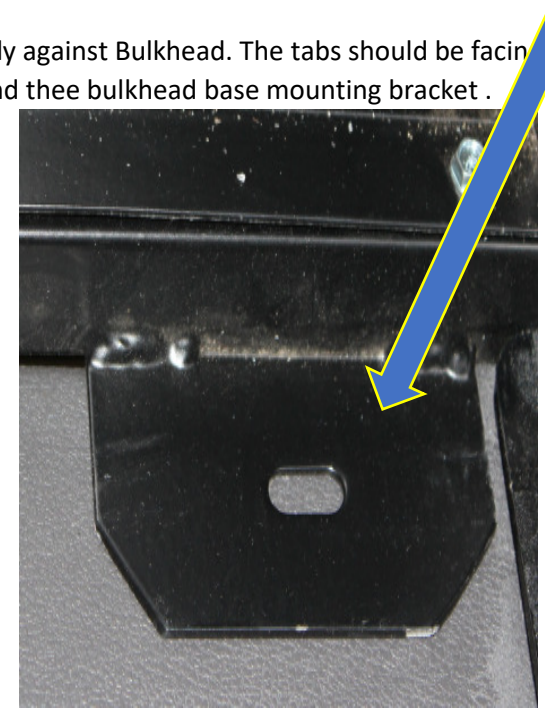


4. Install Bulkhead using Adrian Steel's instruction manual.

5. Install FA-WI-01574 Wiring Harness by splicing into the OEM Cargo Light using the push on terminals (RM-EL-00395) located on the passenger side of van. Feed wire through OEM holes.

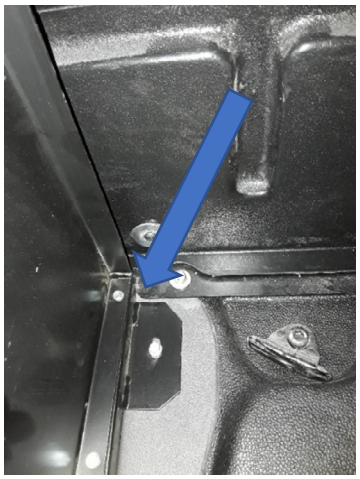



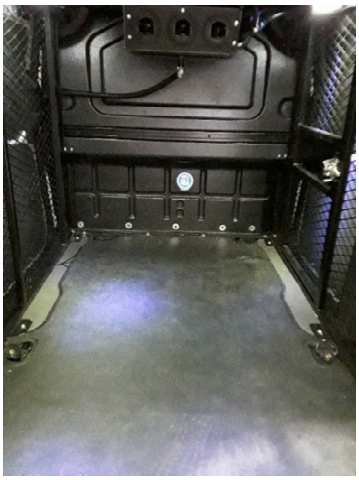
6. Place street side cage (FA-PN-1958) firmly against Bulkhead. The tabs should be facing inward to center of vehicle. Tab will set snug around thee bulkhead base mounting bracket .

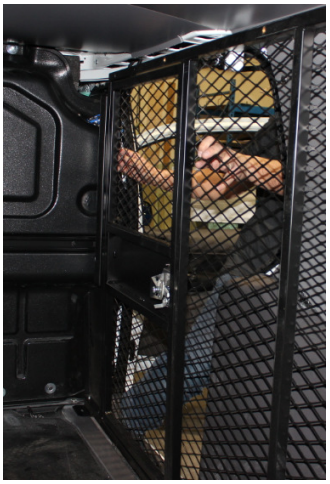


   a. Using impact gun secure front partition to floor using 1 screw per tab, (RM-SC-02495) 1/4" X 2" HEX HEAD ZP SELF TAP.

7. Place curb side cage (FA-PN-02021) firmly against Bulkhead. The tabs should be facing inward to center of vehicle. Tab will set snug around thee bulkhead base mounting bracket
   a. Using impact gun secure front partition to floor using 1 screw per tab, (RM-SC-02495) 1/4" X 2" HEX HEAD ZP SELF TAP.

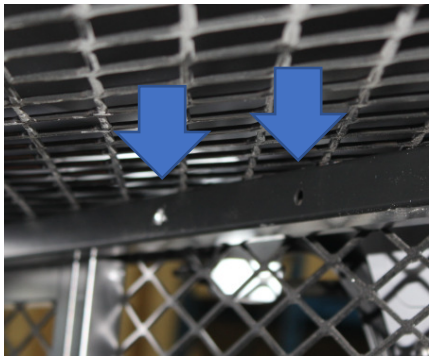






8. To avoid injury, we recommend using two people to install top of cage. You may also use Cargo Bars to hold cage in place while securing the cage to the side panels. Start with cargo Bar in center. Place protective material on the floor to protect from floor damage.

   a. Place Inner Cage Roof (FA-PN-02022) flush to top of side cages. Attach roof cage and side cage by using predrilled holes to secure the two together using RM-SC-02495 -1/4" X 2" HEX HEAD ZP SELF TAP screws, 3 per side. Start by Installing the middle screw then front position using impact gun.

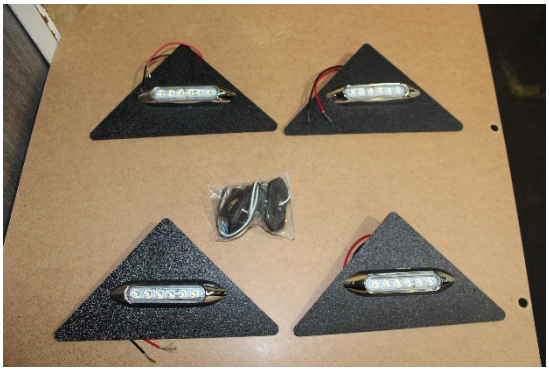


9. Install rear door (FA-PN-02060). Place hinges to the left of van and lock toward the right. The cage should line up perfectly flush with the side cage.

10. Secure bottom of cage to floor by using 6 - RM-SC-02495 -1/4" X 2" HEX HEAD ZP SELF TAP; 2 installed on the floor, 4 installed on cage wall using pre-drilled holes.

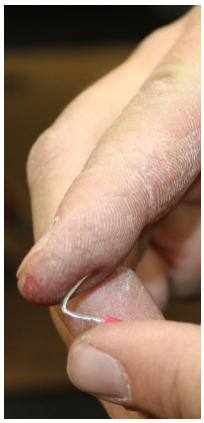
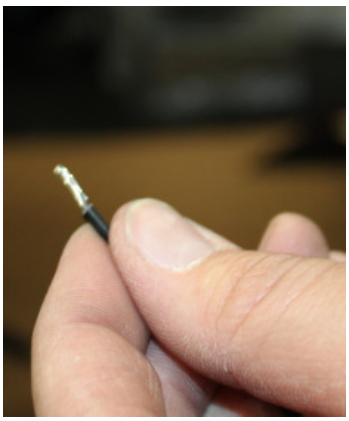
11. Door should shut smoothly. The space between the door and frame should be ¼” – 3/8” space around cage door.

12. Package comes with 4 interior lights (RM-EL-01655) and 2 stepwell lights (RM-EL-01485).
    Caution! Be cautious of not touching wire together when attaching to wire loom or you will blow a fuse!



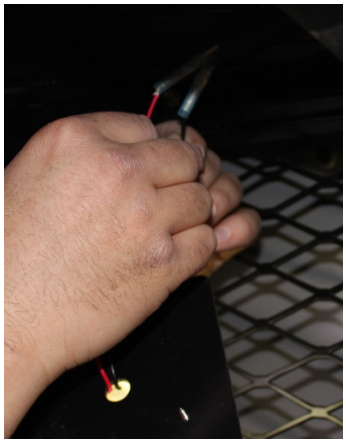
13. The 2 stepwell lights are installed on top of the rear door frame. Cut 10” of RM-EL-01125 Wire Loom Split ¼” prior to securing. Push wiring loom through pre-drilled hole. Secure lights using 4-RM-SC-02012 Self tapping screw for metal. Verify black cover is the top position of light when installing.

14. Once light is in place, use electrical tape to secure wire to loom and attach with a p-clamp to back of frame. Consolidate the wires by spinning them and folding them over.

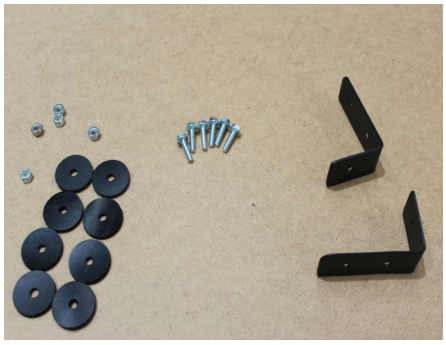



15. Install 4-RM-EL-01655 interior lights. Wires are attached white to white or white to red and black to green. Install in each corner of cage by using 2- RM-SC-02298 self tapping #8 x ¾ extra wide screws using pre-drilled holes in light fixture.

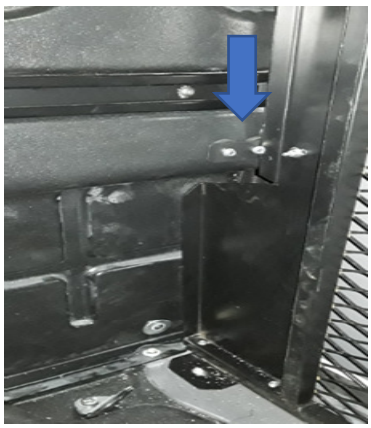
16. Add wires to butt connector and crimp. Place electrical tape around the butt connector and wire loom.



17. Install (FA-BR-02420) Bracket to Secure Cage to B-Pillar partition by using 3 -RM-BO-00139 BOLT,10-32(3/16)x3/4,HH,ZP,Gr5. 2 Bolts secure to B-Pillar Partition and add 1-2 spacers (RM-WA-01799 Grommet, 1 1/8" Hole, ¾" ID) on the back side of bulkhead depending on clearance. Verify there are no obstructions prior to doing work.

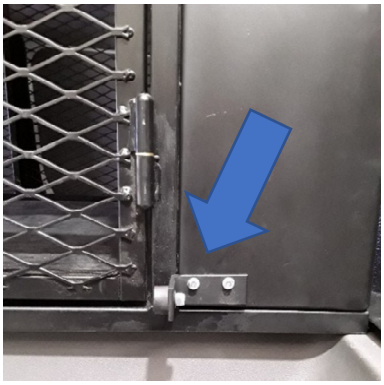


18. Install bracket as shown below. Use 6 washers (RM-WA-00137 Washers, M6 XP, 18mmOD, 6.4mm) 3 washers per side and 6 nuts (RM-NU-00136 – Nyloc 10-32 (3/16))



19. Install Side Door Stops with (1) Bracket- (FA-BR-02420 Bracket) securing with (2) Bolts - (RM-BO-00139 -10-32 3/16)) attach using (2) – Washers (RM-WA-00137 Washers, M6) and (2) Nuts - (RM-NU-00136 – Nyloc 10-32.

20. Attached (1) rubber bump stop (RM-RU-01223) using (1) nylon nut - (RM-NU-00045) and (1) Washer - (RM-WA 00137).



21. Install Rear Door Stop with using the 1 bracket (FA-BR-02420 Bracket) and securing with (2)- self tapping screws (RM-SC-02495)).

22. Attached (1) rubber bump stop (RM-RU-01223) using (1) nylon nut - (RM-NU-00045) and (1) Washer - (RM-WA 00137).