FORD ACCESSORIES



LED Warning Strobes by SoundOff Signal

Make your truck more visible with 360 degree dual beacons

F-150 (2014-2020)
DUAL BEACON 360 DEGREE LIGHTING KIT

ETBCLK10zzzB1
zzz represents the LED and Lens color of the beacon(s)

AAL = Amber LED with Amber Lens x2

AAC = Amber LED with Clear Lens x2

BBL = Blue LED with Blue Lens x2

BBC = Blue LED with Clear Lens x2

GGL = Green LED with Green Lens x2
GGC = Green LED with Clear Lens x2

RRC = Red LED with Clear Lens x2

WWC = White LED with Clear Lens x2

AWC = Amber and White LED, both with Clear Lens

ABC = Amber and Blue LED, both with Clear Lens

ARC = Amber and Red LED, both with Clear Lens
AGC = Amber and Green LED, both with Clear Lens

RWC = Red and White LED, both with Clear Lens

RBC = Red and Blue LED, both with Clear Lens















the light assemblies does not insure that all drivers can or will warning device assumes no liability for any loss resulting from the use of this city, state and federal laws and regulations. SoundOff Signal the emergency warning devices in compliance with the applicable the user's responsibility to ensure they understand and operate the vehicle and properly functioning before operating vehicle. It is operator should verify daily that the lights are securely fastened to installation instructions and warnings in the manual. The vehicle and wiring. The installer must read and follow the manufacturer's the light assemblies are highly dependent on the correct mounting operator's responsibility to proceed safely. The effectiveness of must never take the right of way for granted and it is the high rates of speeds or long distances. The operator of the vehicle abide by or react to an emergency warning signal, especially at essential function of an effective visual warning system. The use of electronics, systems, and procedures. The LED lights provide an requires the installer to have a thorough knowledge of automotive the installation of this product. Proper installation of the lights understand all instructions and warnings before proceeding with **IMPORTANT NOTICE TO INSTALLER:** Make sure to read and







DUAL BEACON LED WARNING LIGHT LIMITED WARRANTY

or service of defective product is not paid or reimbursed by SoundOff Signal. product at no charge during the applicable warranty period listed below. Labor for replacement provided with the product. This warranty period covers repair or replacement of any defective materials or workmanship on products properly installed per the installation instructions All Ford part numbers provided by SoundOff Signal are warranted to be free from defects in

	WARRANTY PERIOD	
	USA	Outside USA
Product which appears on the New Vehicle Monroney Label (window sticker)	3 years or 36 000 miles whichever comes first	3 years or 60 000 kilometers whichever comes first
Part purchased and installed during or after the original vehicle warranty	Whichever of the following two options is greater: 1) 2 years/unlimited mileage, or 2) The remainder of the new vehicle warranty	Whichever of the following two options is greater: 1) 2 years/unlimited kilometers, or 2) The remainder of the new vehicle warranty

province. rights. You may have additional or other rights as which vary from state to state or province to consequential damages are not recoverable under this warranty. This warranty offers you specific legal accident, improper installation, modification, or improper or lack of maintenance. Incidental and This limited warranty does not cover any damage, defect or malfunction caused by misuse, abuse,

to assist consumers and dealers to resolve warranty and non-warranty issues as quickly as possible. and Policy -- Section 3. Please note that SoundOff Signal has replacement component parts available covered by the warranty above and completed by the dealership, labor is also covered -Ford Warranty If you experience a warranty issue with this product, please visit your Ford Dealer. If the repair is

Note to dealer

Ford dealers should contact SoundOff Signal by phone at 800.338.7337 or by email to: techservices@soundoffsignal.com.

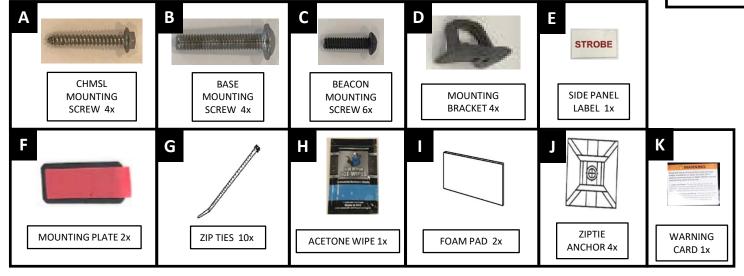




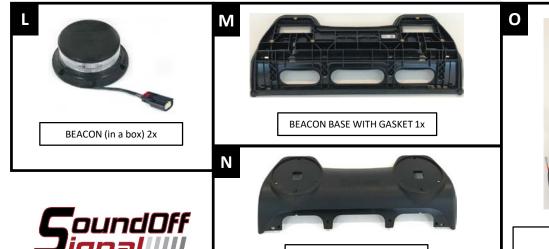
Contents

Tools Required

- Ratchet & Sockets (7, 10 & 13mm & 7/32")
- Wire cutter
- 3/32" Allen Wrench
- Auto Trim panel removal tool set
- Nm Torque wrench
- Torx bit T20
- Torx bit T50 (Regular Cab Only)



BEACON HOUSING 1x



Smart Design.



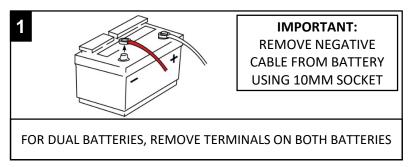
SIDE PANEL WITH SWITCH 1x HARNESS – 'O'

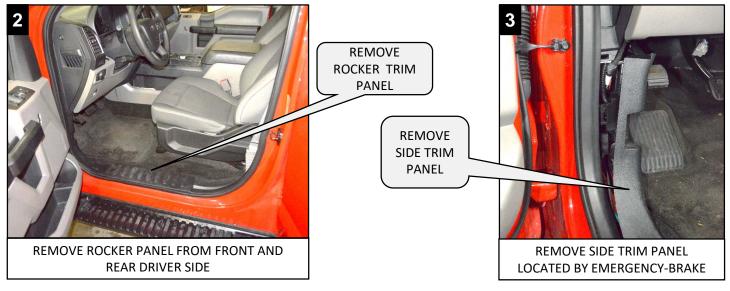






Read and understand all instructions before starting









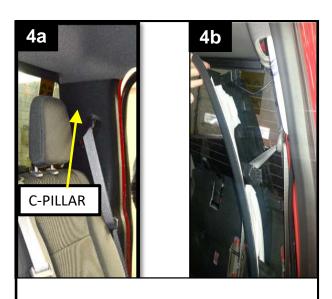


IMPORTANT

DISCARD SCREWS ONCE REMOVED, THEY
WILL NOT BE USED AGAIN
(THEY WILL BE REPLACED WITH SCREW 'A')

LED CHMSL

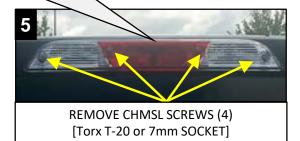
REFER TO SUPPLEMENT STEPS A-G FOR ASSISTANCE CONNECTING AND RECONNECTING AN LED WIRE HARNESS



AT TOP OF C-PILLAR, GENTLY UNCLIP TRIM FROM CAB ALLOWING ACCESS TO ROUTE HARNESS.

TRIM ONLY NEEDS TO BE UN-CLIPPED.

**DO NOT REMOVE PANEL FULLY
***DO NOT REMOVE PANEL TETHER.





7

USE 6' OF FISH TAPE TO ROUTE HARNESS 'P' DOWN THROUGH CENTER CAB ACCESS HOLE & TOWARD DRIVER SIDE C-PILLAR ROUTE HARNESS 'P'
SINGLE CONNECTOR SIDE
THROUGH CENTER CAB
ACCESS HOLE, LEAVING
THE TWO CONNECTORS
ACCESSIBLE

IMPORTANT

ONLY FEED HARNESS 'P' FAR ENOUGH SO IT CAN BE ACCESSED BY THE DRIVER SIDE C-PILLAR. DO NOT PULL TIGHT YET AS SLACK IS NEEDED TO FINISH INSTALL BY THE CHMSL.









CLEAN THE ENTIRE SURFACE AROUND THE CHMSL USING A STANDARD CLEANING SOLUTION







THE ACETONE WIPE WILL REMOVE ANY SILICONE WAX AND WILL ALLOW PROPER ADHESION

MAKE NOTE OF WHERE THE CUTOUTS ARE ON THE TOP OF THE CAB. REMOVE THE BEACON BASE AND WIPE IN THE NOTED LOCATIONS WITH THE ACETONE WIPE, 'H'.



AFTER THE ACETONE HAS DRIED, PLACE THE BEACON BASE BACK ON THE VEHICLE







THE SCREW WILL ENGAGE THE CENTER HOLE OF THE MOUNTING BRACKET AT LOCATION 'B' AND 'C'

12

THE BEACON BASE WILL NOW BE **CLAMPED TO THE VEHICLE**





PUT YOUR FINGER THROUGH THE BACK OF A MOUNTING BRACKET, 'D', AND POSITION IT AT ONE OF THE LOCATIONS A, B, C, OR D **CENTER HOLE LOWER HOLE**

> THE SCREW WILL ENGAGE THE LOWER HOLE OF THE MOUNTING BRACKET AT LOCATION 'A' AND 'D'

> > **IMPORTANT**

STEP

14



IMPORTANT

THE SCREW WILL PINCH YOUR FINGER, SO ONLY HAND TIGHTEN UNTIL YOUR FINGER IS **REMOVED**

USING SCREW 'B', PUSH IT THROUGH THE BEACON BASE HOLE UNTIL IT ENGAGES WITH THE MOUNTING BRACKET. HAND TIGHTEN UNTIL THE MOUNTING BRACKET IS HELD IN PLACE



REMOVE YOUR FINGER AND TIGHTEN UNTIL SNUG WITH T-20 Torx OR 7mm SOCKET

oundOff Smart Design.





IMPORTANT

APPLY FIRM PRESSURE FOR AT LEAST 20 SECONDS TO ENSURE PROPER WETOUT OF THE ADHESIVE







INSTALL THE TWO MOUNTING PLATES, 'F', BY REMOVING THE RED RELEASE LINER AND PLACING INTO THE BEACON BASE CUTOUT, ADHESIVE SIDE DOWN. APPLY FIRM PRESSURE FOR AT LEAST 20 SECONDS ON EACH.



MOUNTING BRACKETS ARE SNUG

AFTER THE ADHESIVE HAS SET FOR AT LEAST 20 SECONDS, TORQUE ALL 4 SCREWS TO 1.5 ± 0.3 NM WITH T-20 Torx or 7 mm SOCKET





UNBOX YOUR TWO BEACONS





DRIVER SIDE	PASSENGER SIDE
AMBER	WHITE
AMBER	GREEN
AMBER	RED
AMBER	BLUE
RED	WHITE
RED	BLUE

WHEN INSTALLING BEACONS OF DIFFERENT COLOR, REFER TO THIS TABLE FOR PLACEMENT



FEED THE WIRE HARNESS OF EACH BEACON, 'L' THROUGH ITS RESPECTIVE SIDE ON THE BEACON HOUSING 'N'



THE BEACONS ARE
NOT TO BE SCREWED
DOWN YET, THAT WILL
BE IN STEP 25



THE LED COLOR OF THE BEACON IS LISTED ON THE FLAG LABEL ATTACHED TO THE HARNESS

22



PULL THE BEACON HARNESS THROUGH THE HOUSING AS YOU ALIGN THE NOTCH IN THE BEACON WITH THE OTHER NOTCHES

IMPORTANT

IF WAITING TO REMOVE THE PROTECTIVE FILM ON THE BEACON, ENSURE IT DOES NOT GET TRAPPED DURING INSTALLATION





23



PLACE THE BEACON HOUSING OVER THE BEACON BASE

IMPORTANT

PULL ON THE BEACON HARNESS, WHILE ROUTING, TO ELIMINATE THE SLACK



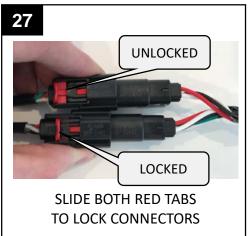
AS THE HOUSING IS LOWERED ONTO THE BASE, ENSURE THE BEACON HARNESSES ARE IN THE DESIGNED CHANNEL SO AS TO AVOID PINCHING ANYTHING

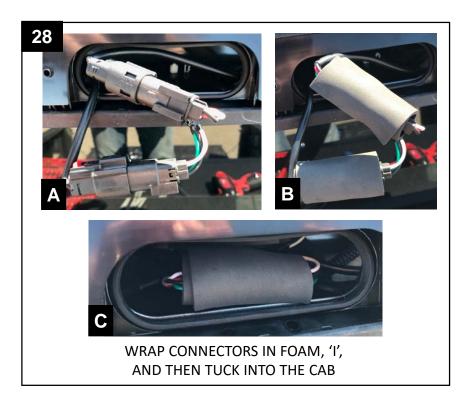








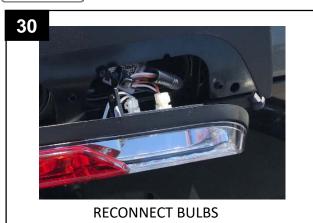














PRESSURE COMPRESSING FOAM TO PREVENT
WATER LEAKS & INSERT SCREWS 'A' AND TORQUE TO
2.0 ± 0.3 NM with T-20 Torx or 7 mm socket

32

AIRBAG

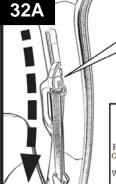


MOUNT ZIP TIE ANCHORS IN THE FOUR LOCATIONS SHOWN WITH THE ARROWS

IMPORTANT

DO NOT REMOVE PANEL TETHER FROM AIR BAG OPERATION. MAKE SURE WIRE HARNESS IS ROUTED BEHIND SEAT BELT AND DOES NOT INTERFERE WITH AIR BAG AND SEAT BELT OPERATION

Regular Cab (only)



IMPORTANT:

TORQUE SEATBELT CLIP TO 40 Nm +/- 6 Nm WHEN RE-ASSEMBLING

NOTE:

PLACE ANY EXTRA WIRE FROM 14 FOOT HARNESS ROLLED UP BEHIND BOTTOM OF "D" PILLAR. ON EXTENDED CABS PLACE ADDITIONAL WIRE BEHIND KICKPANEL ON DRIVER'S SIDE.

NOTE: REGULAR CABS ONLY

MAKE SURE SEAT BELT IS ADJUSTED TO TOP AND WIRE DOES NOT CAUSE RESTRICTION TO SEAT BELT ADJUSTER.

NOTE: EXTENDED CABS ONLY

REMOVE SEAT BACK PRIOR TO REMOVING TRIM PANEL

A. REMOVE SEAT BELT AND SIDE PANEL USING A T-50 TORX BIT.



IMPORTANT

DO NOT REUSE THE FACTORY SCREWS THAT WERE REMOVED IN STEP #5. USE THE PROVIDED SCREWS 'A'



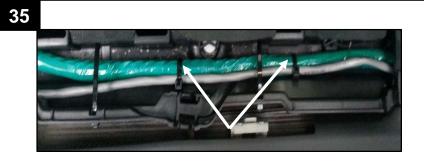
custom accessories les



ROUTE HARNESS 'P' ALONG THE EXISTING HARNESS, ZIP TIEING TO THE FOUR ANCHORS



CONTINUE TO ROUTE HARNESS 'P' THROUGH THE RAIN GUTTER, NEXT TO EXISTING VEHICLE HARNESS, ALL THE WAY TO THE DRIVER SIDE TRIM PANEL THAT WAS REMOVED IN STEP 3



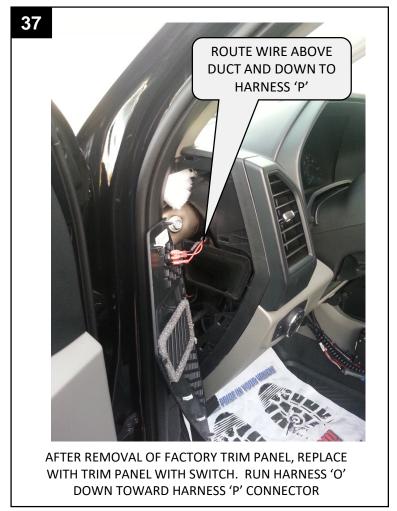
ZIP TIE HARNESS 'P' TO EXISTING STOCK HARNESS IN THE FOLLOWING PLACES.







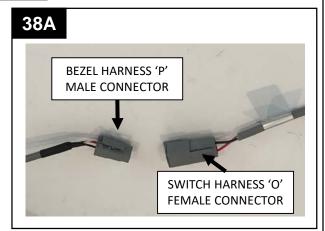


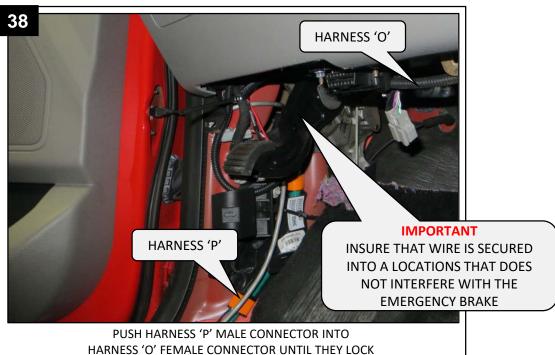


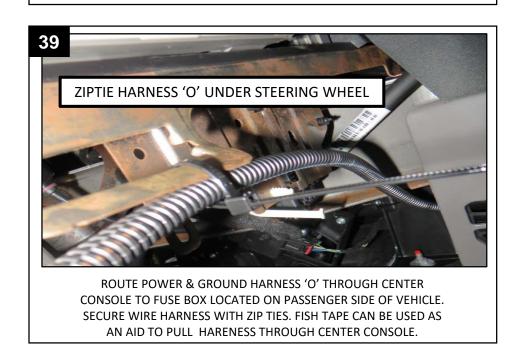












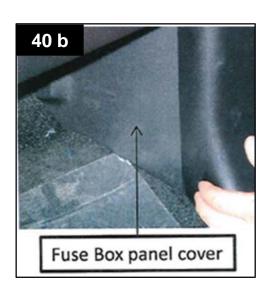




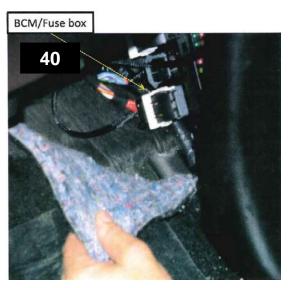


RUN-START WIRE/CONTACT INSTALLATION

- REMOVE FUSE BOX PANEL COVER.
- 2. PULL BACK UPPER RIGHT CORNER OF CARPETING NEXT TO BCM/FUSE BOX AS SHOWN BELOW.
- 3. THIS ALLOWS ACCESS TO BCM/FUSE BOX.





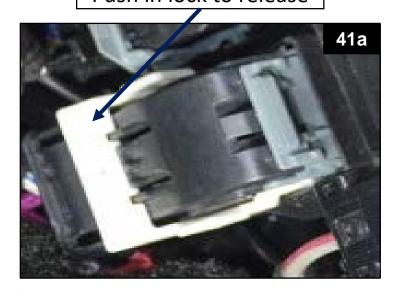


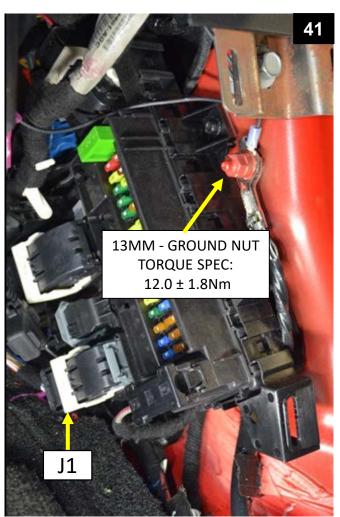






- 1. LOCATE BCM/FUSE BOX IN PASSENGER FOOT WELL
- 2. IDENTIFY J1 IN THE BCM.
- 3. LEVELER LOCKS J1 IN PLACE, PUSH IN LOCK RELEASING LEVELER.
- 4. ROTATE LEVELER TO RELEASE & REMOVE J1 FROM THE BCM. Push in lock to release





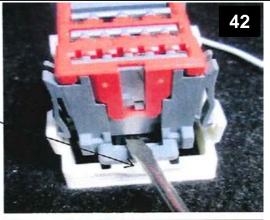


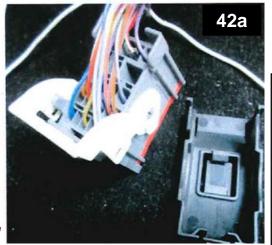


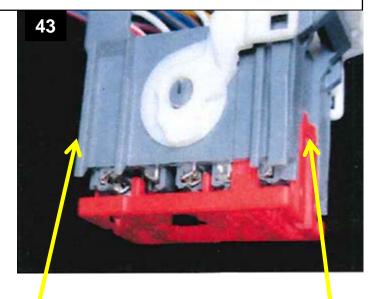


REMOVE J1 DARK GRAY DRESS COVER & RELEASE THE RED WEDGE

RELEASE DARK
GRAY DRESS
COVER BY
CUTTING ZIPTIE & USING A
SMALL FLAT
HEAD TOOL
THEN
CAREFULLY
LIFT OFF
COVER.







WITH SLIGHT PRESSURE, GENTLY PRY RED END TABS ON BOTH SIDES ONLY TO CLEAR THE 2ND STEP FEATURE ON CONNECTOR TO RELEASE MECHANISM. RED WEDGE WILL ONLY MOVE ABOUT 1/4" BEFORE STOPPING.

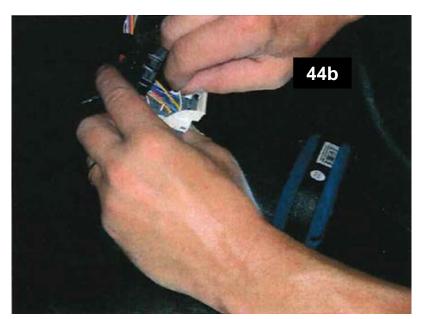
IMPORTANT: TABS WILL BREAK IF PRIED EXCESSIVELY.







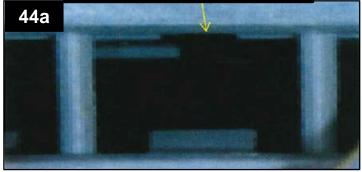
- 1. LOCATE J1 TERMINAL 2. NOTE CHANNEL IN OPENNING.
- 2. CHECK RUN-START WIRE IS RUN AS CLOSE TO BCM BEHIND VEHICLE HARNESS WITH A CLEAR PATH TO J1.
- 3. INSERT THE RUN-START CONTACT INTO J1-2 ALINGNING THE CONTACT LOCKING TAB IN THE CHANNEL.
- 4. PUSH IN CONTACT USING "PUSH CLICK PUSH" METHOD.





J1 TERMINAL 2

CHANNEL IN OPENING





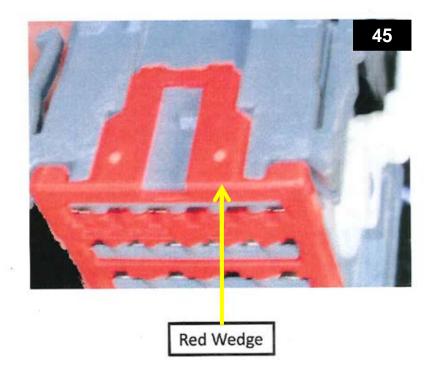




REASSEMBLE J1 IN REVERSE ORDER

- INSERT DRESS COVER HINGE TABS INTO J1 CONNECTOR HOUSING & LATCH COVER.
- RESEAT J1 RED WEDGE.







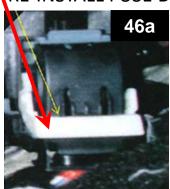




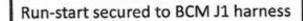
- 1. RE-INSERT J1 INTO BCM PUSH IN ON CRESS COVER TO SEAT CONNECTOR, THE LOCKING LEVELER WILL ROTATE INTO CLOSED POSITION.
- 2. ENSURE J1 IS FULLY SEATED & PUSH LOCKING LEVELER INTO ORIGINAL POSITION TO LOCK J1 CONNECTOR.

IMPORTANT: <u>DO NOT</u> APPLY PRESSURE TO LOCKING LEVELER OR IT <u>WILL BREAK</u>.

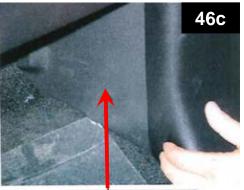
- 3. SECURE RUN-START TO BCM J1 HARNESS USING BLACK TAPE.
- 4. RE-INSTALL FUSE BOX PANEL COVER & RESET CARPET.











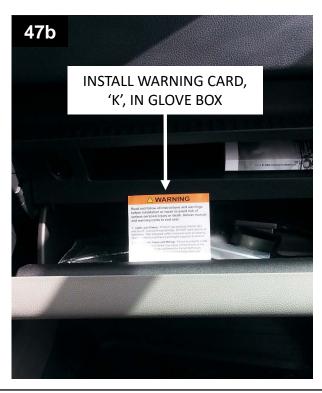
Fuse Box panel cover











- 1. PLACE APPLICABLE LABELS IN THE NOTED LOCATIONS ABOVE
- 2. REINSTALL ALL TRIM PIECES THAT WERE REMOVED FOR THIS INSTALLATION.
- 3. RECONNECT BATTERY





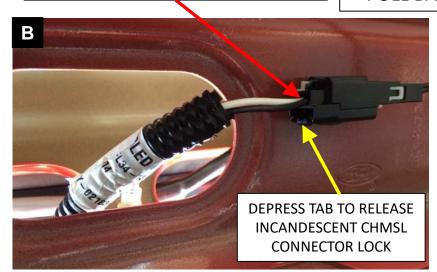


LED CHMSL SUPPLEMENT

LED CHMSL WIRE HARNESS WILL
NEED TO BE DISCONNECTED &
RECONNECTED INSIDE THE CAB. ALL
OTHER STEPS ARE THE SAME AS THE
INCANDESCENT CHMSL.



PULL BACK HEADLINER TO EXPOSE CHSML CONNECTOR







ONCE CONNECTOR IS DISENGAGED, REFERENCE STEPS 18-24





LED CHMSL SUPPLEMENT

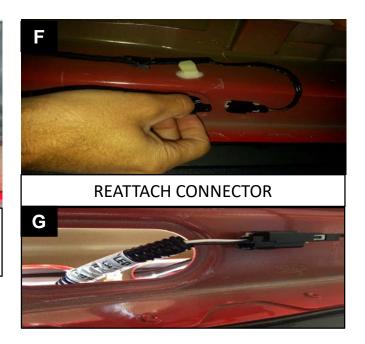


BEZEL & DOWN INTO CABIN

ACCESS HOLE.



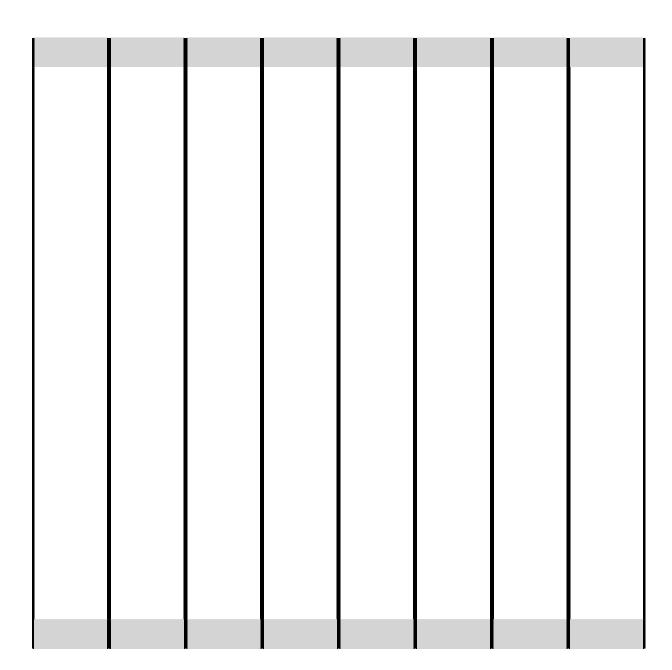
CHMSL HARNESS TO



AFTER CONNECTOR IS REATTACHED, REFER TO PROCESS STEPS 25 - 31



Notes

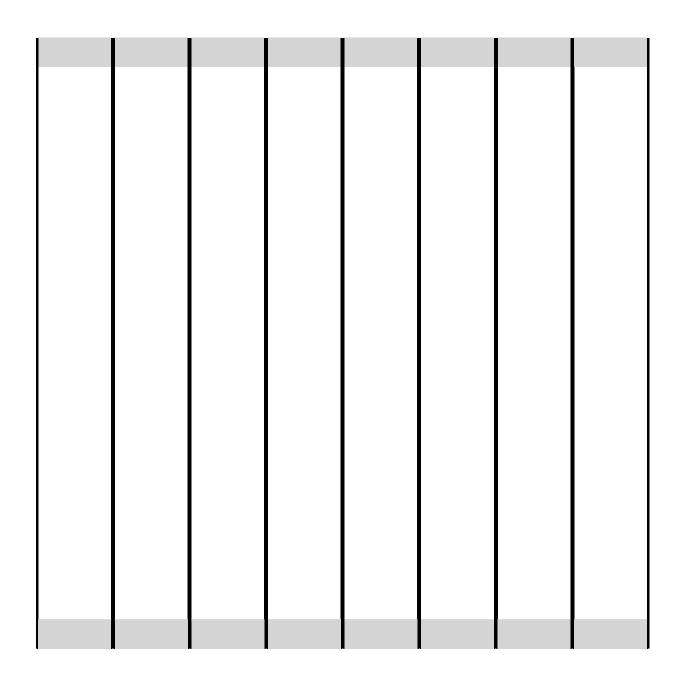








Notes













Important PLACE THIS INSTRUCTION SHEET INTO GLOVE BOX

