



BRIGHT IS ONLY THE BEGINNING

# INSTALL GUIDE

## BANGER BAR ROOF MOUNTS: FORD BRONCO (2021+) (SET)

BAF080 / BAF080-2B / BAF080-4B / BAF080-BB



WARNING: IT IS THE INSTALLERS RESPONSIBILITY TO CONFIRM COMPLIANCE WITH STATE AND LOCAL LAWS. BY READING THIS DOCUMENT, YOU AGREE IT IS ONLY TO BE USED AS AN EDUCATIONAL GUIDE. MORIMOTO LIGHTING NOR ITS DEALERS MAKE GUARANTEES ON ANY FINISHED RESULTS, NOR ARE THEY TO BE HELD RESPONSIBLE FOR ANY DAMAGE, MISUSE, OR PERSONAL INJURIES. IF YOU ARE UNABLE TO CLEARLY UNDERSTAND AND ADAPT THE INFORMATION BELOW, PROFESSIONAL INSTALLATION IS RECOMMENDED.



# BANGER BAR ROOF MOUNTS: FORD BRONCO

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## WHAT'S INCLUDED



2X (PAIR) BRONCO  
ROOF MOUNTS



2X BRONCO  
SPECIFIC BAR END  
FEET



1X LIGHT BAR RELAY  
HARNESS



1X BANGER BAR KIT  
(AS SELECTED)



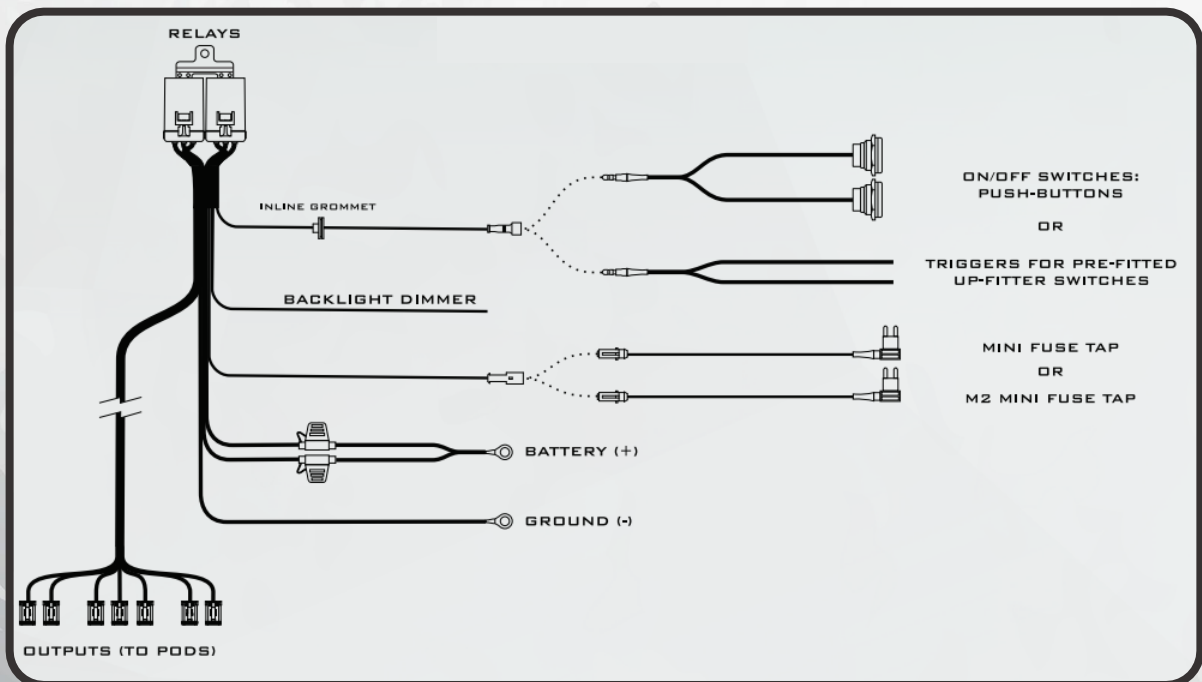
## REQUIRED TOOLS

- RAZOR OR KNIFE
- RATCHET
- 7MM SOCKET
- 8MM SOCKET
- 10MM SOCKET
- PLASTIC PRY TOOL
- SMALL FLATHEAD SCREWDRIVER
- ALL-WEATHER SILICONE SEALANT
- 4MM HEX KEY
- DRILL AND STEPPED DRILL BIT
- ZIP TIES



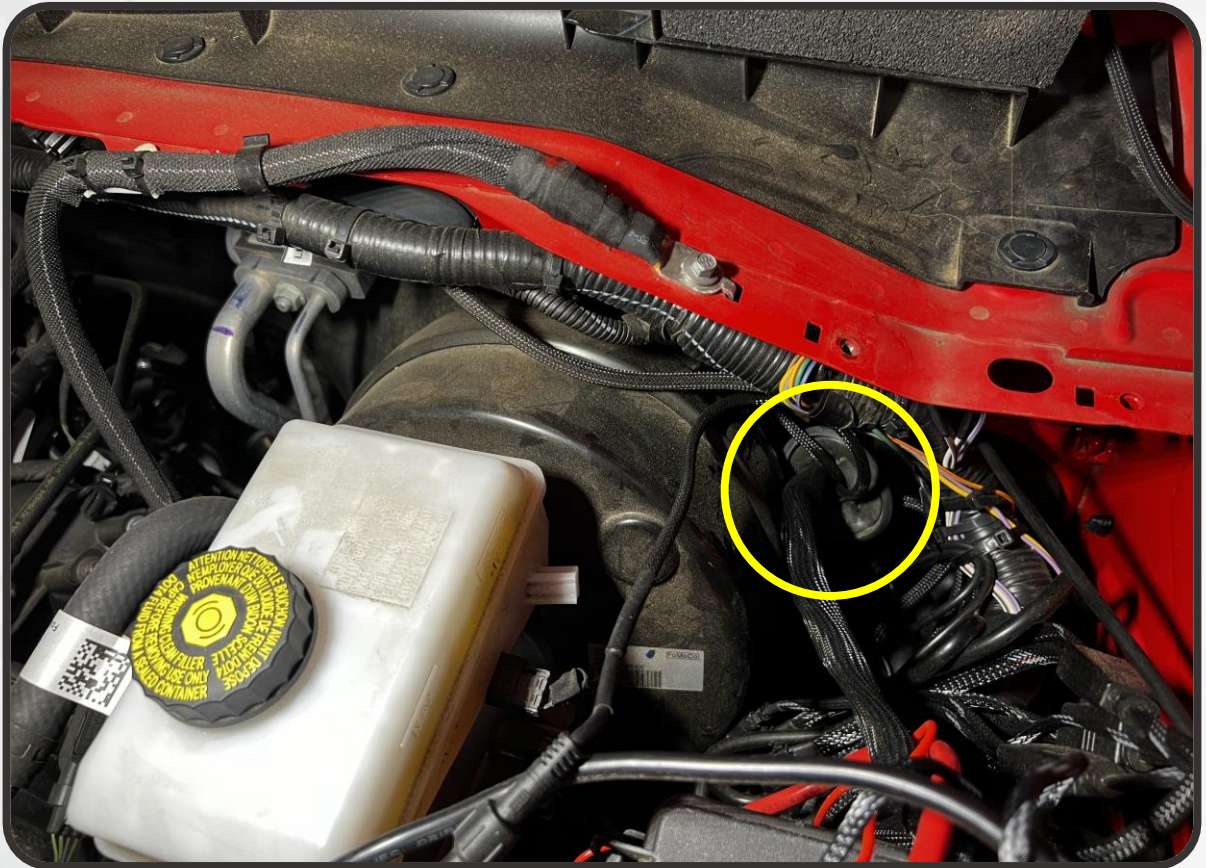
# WIRE HARNESS ROUTING

1. BEGINNING IN THE ENGINE BAY OF THE VEHICLE, FIND A SUITABLE LOCATION NEAR THE BATTERY TO MOUNT THE CONTROL BOX FOR THE RELAY HARNESS. THE BOX SHOULD BE MOUNTED IN THE UPRIGHT POSITION WITH THE WIRES COMING DOWN OUT OF THE BOTTOM
2. THE RELAY HARNESS PULLS 12V POWER DIRECTLY FROM THE BATTERY OF THE VEHICLE TO POWER THE LIGHT BAR AND BACKLIGHTS. SECURELY CONNECT THE RED RING TERMINAL LABELED "BATTERY +" TO THE POSITIVE TERMINAL ON THE BATTERY
3. CONNECT THE BLACK RING TERMINAL LABELED "GROUND-" TO A SUITABLE BARE-METAL GROUND IN THE ENGINE BAY NEAR THE BATTERY, OR THE NEGATIVE TERMINAL ON THE BATTERY
4. FOR LIGHT BARS EQUIPPED WITH THE BACKLIGHT FEATURE
  - A. INSERT THE BACKLIGHT FUSE TAP INTO YOUR DESIRED FUSE SLOT TO TRIGGER THE BACKLIGHT. WE SUGGEST USING ONE WITH SWITCHED IGNITION POWER (CONSTANT 12V WHEN THE VEHICLE IS ON, AND OFF WHEN THE VEHICLE IS OFF)
  - B. THE BACKLIGHT DIMMER WIRE WILL DIM THE INTENSITY OF THE BACKLIGHT WHEN 12V POWER IS APPLIED. USING THE PROVIDED T-TAP, TAP IN TO YOUR DESIRED TRIGGER SOURCE. WE RECOMMEND USING THE PARKING LIGHT OR LOW BEAM POWER FOR THIS
5. THE "SWITCH" WIRE CAN BE USED TO ACITVATE THE PODS IN ONE OF TWO WAYS:
  - A. TO TAP INTO AN EXISTING SWITCH PANEL/CONTROLLER: REMOVE THE PUSH BUTTON AND ATTACH THE BARE WIRE INPUT ADAPTER ON THE INPUT HARNESS TO CONNECT TO YOUR DESIRED 12V TRIGGER SOURCE
  - B. TO USE THE INCLUDED PUSH-BUTTON: ROUTE THE PUSH-BUTTON THROUGH THE GROMMET ON THE FIRE WALL (SEE STEP 6) TO PASS THROUGH TO THE INTERIOR FOOTWELL. DRILL A 3/4" HOLE IN YOUR DASH IN YOUR DESIRED LOCATION AND MOUNT THE SWITCH



# WIRE HARNESS ROUTING

6. LOCATE THE UNUSED FACTORY GROMMET ON THE FIREWALL OF THE VEHICLE SHOWN BELOW. REMOVE THE GROMMET AND CUT A SLIT IN THE CENTER OF IT LARGE ENOUGH TO PASS THE LIGHT BAR OUTPUT WIRES (AND SWITCH IF APPLICABLE) THROUGH. PASS THE WIRES THROUGH THE GROMMET, AND FEED THEM THROUGH THE HOLE IN THE FIREWALL





## WIRE HARNESS ROUTING

7. PULL THE OUTPUT WIRING THE REST OF THE WAY THROUGH THE FIREWALL AND INTO THE FOOTWELL OF THE VEHICLE. PUSH THE GROMMET BACK INTO PLACE IN THE HOLE IN THE FIREWALL

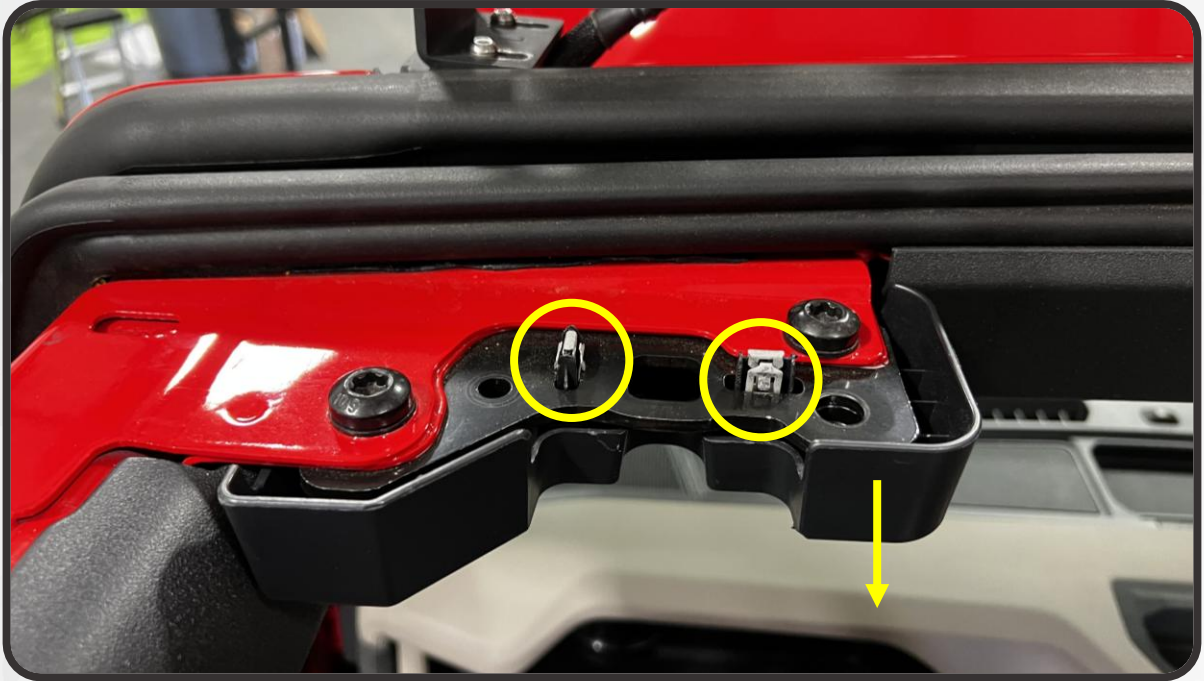


8. MOVING TO THE INTERIOR TRIM ABOVE THE DRIVER'S DOOR, REMOVE THE TWO 8MM SCREWS SECURING THE HANDLE TO THE FRAME



## WIRE HARNESS ROUTING

9. PRY DOWN ON THE UPPER CORNER TRIM BETWEEN THE FRAME AND THE WINDSHIELD TO RELEASE THE TWO CLIPS THAT SECURE IT, AND REMOVE THE TRIM



10. REMOVE THE TRIM PANEL FROM ABOVE THE DOOR BY PULLING IT AWAY FROM THE FRAME TOWARDS THE INTERIOR OF THE VEHICLE





## WIRE HARNESS ROUTING

11. USING A SMALL FLATHEAD SCREWDRIVER, PRY LOOSE THE COVER OVER THE BASE OF THE SUN VISOR AND PULL IT ASIDE



12. ROTATE THE VISOR AND, USING A 7MM SOCKET, REMOVE THE BOLT SECURING THE SUN VISOR TO THE VEHICLE



## WIRE HARNESS ROUTING

13. WITH THE BOLT REMOVED ROLL THE VISOR TO RELEASE THE ARM HOLDING IT IN THE VEHICLE (SHOWN BELOW)



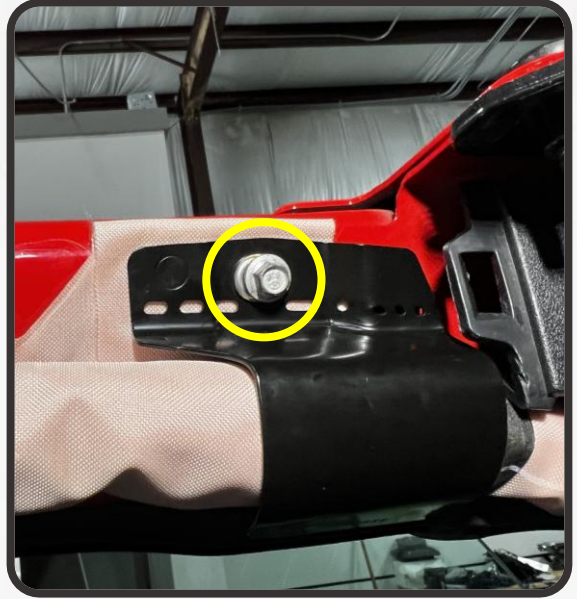
14. WITH THE SUN VISOR REMOVED, DETACH THE A-PILLAR AIRBAG COVER BY FIRMLY PULLING IT AWAY FROM THE A-PILLAR. THERE WILL BE AN ELASTIC LOOP SECURING THE COVER TO THE A-PILLAR. LEAVE THE COVER HANGING BY THIS LOOP FOR NOW



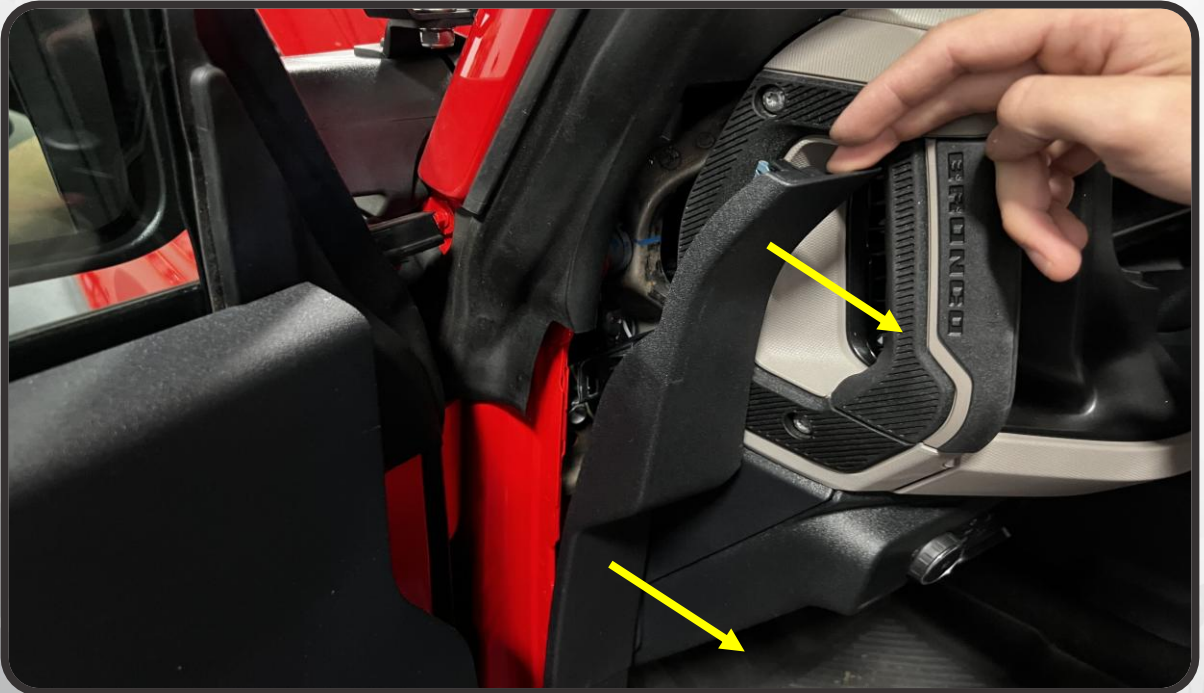


## WIRE HARNESS ROUTING

15. WITH THE AIRBAG NOW EXPOSED, REMOVE THE TWO 10MM BOLTS SECURING THE AIRBAG TO THE A-PILLAR AND FLEX THE AIRBAG TOWARD THE REAR OF THE VEHICLE, AWAY FROM THE A-PILLAR, SO IT IS OUT OF THE WAY OF THE A-PILLAR TRIM PANEL. THERE IS NO RISK OF AIRBAG DEPLOYMENT DURING THIS STEP

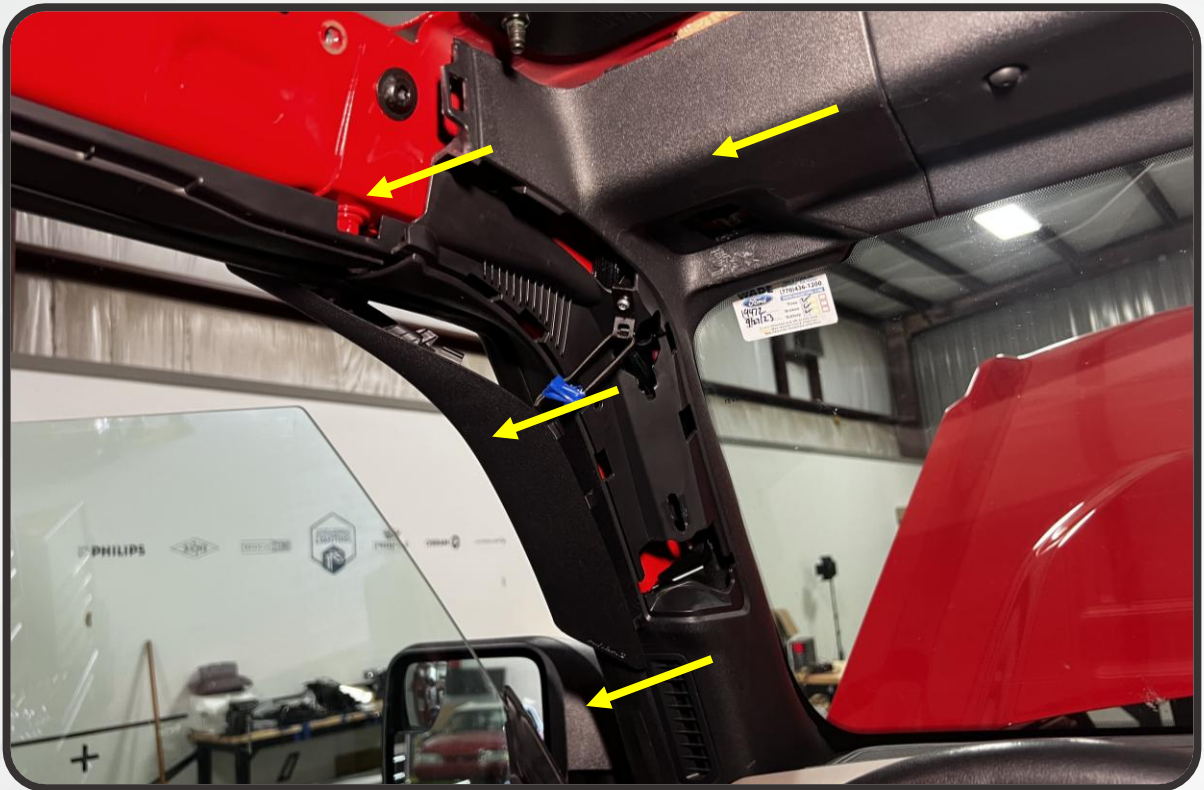


16. REMOVE THE TRIM PANEL NEXT TO THE DASH BY FIRMLY PRYING IT AWAY FROM THE VEHICLE TO RELEASE THE FOUR CLIPS SECURING IT



# WIRE HARNESS ROUTING

## 17. PULL LOOSE AND REMOVE THE A-PILLAR TRIM PANEL



## 18. MOVING TO THE TOP OF THE WINDSHIELD FRAME, PRY LOOSE THE PLASTIC ACCESSORY AND REMOVE THE PLASTIC BRACKET USING A 10MM SOCKET. DO THIS ON BOTH SIDES OF THE VEHICLE



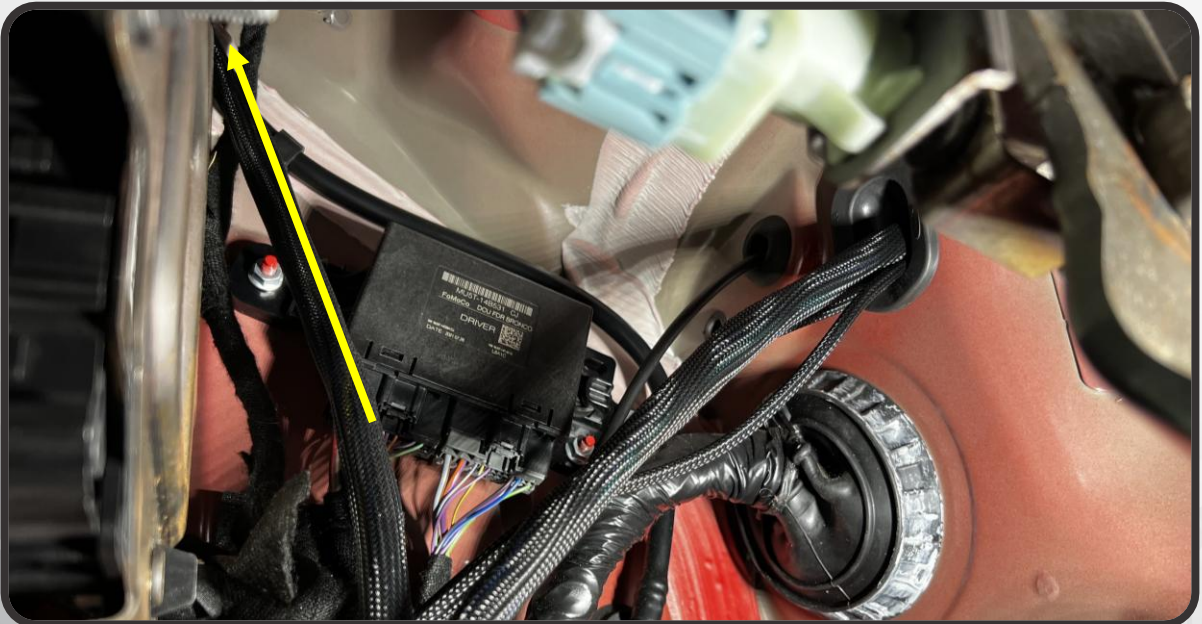


## WIRE HARNESS ROUTING

19. A HOLE WILL NEED TO BE DRILLED INTO THE ROOF BENEATH THE DRIVER-SIDE ACCESSORY COVER TO PASS THE WIRING HARNESS THROUGH. USING A STEPPED DRILL BIT, CAREFULLY DRILL A HOLE INTO THE ROOF LARGE ENOUGH TO PASS THE OUTPUT CONNECTORS ON YOUR HARNESS THROUGH IN THE LOCATION INDICATED BELOW. YOU CAN COMPLETE THE INSTALL WITH A SMALLER HOLE BY DE-PINNING THE OUTPUT CONNECTORS BEFORE PASSING THEM THROUGH, HOWEVER THIS IS ONLY RECOMMENDED FOR PROFESSIONAL/EXPERIENCED INSTALLERS



20. MOVING BACK TO THE UNDERSIDE OF THE DASHBOARD, BEGIN FEEDING YOUR WIRING HARNESS UP THROUGH THE DASHBOARD





## WIRE HARNESS ROUTING

21. CONTINUE ROUTING THE HARNESS THROUGH THE DASH, AND ALONG THE FACTORY A-PILLAR WIRING. FEED IT INTO THE WINDSHIELD FRAME, AND OUT OF THE HOLE YOU JUST DRILLED

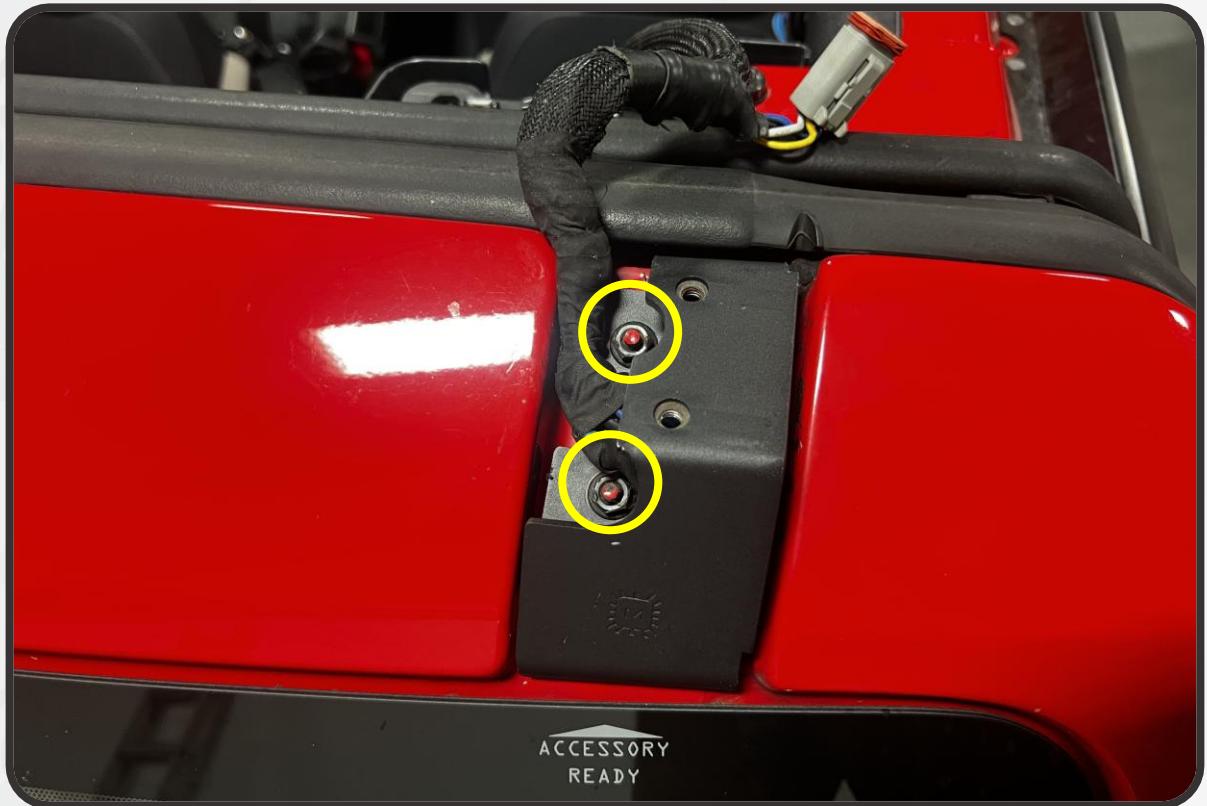


22. PULL THE HARNESS THROUGH THE HOLE UNTIL ALL OUTPUT CONNECTORS ARE THROUGH, THEN PULL AN ADDITIONAL 8 INCHES OF HARNESS THROUGH. USE A GENEROUS AMOUNT OF ALL-WEATHER SILICONE SEALANT TO FULLY SEAL THE HOLE AROUND THE HARNESS AND PREVENT LEAKS. THIS (SILICONE) WILL NOT BE VISIBLE UPON COMPLETION



## WIRE HARNESS ROUTING

23. PLACE THE BASE PLATE FOR THE LIGHT BAR OVER THE STUDS ON THE ACCESSORY MOUNT AND SECURE IT USING THE TWO FACTORY 10MM NUTS. DO THIS ON BOTH SIDES OF THE VEHICLE



## BAR INSTALLATION

24. ASSEMBLE YOUR LIGHT BAR USING THE INSTRUCTIONS BELOW FOR YOUR APPLICATION



### 2BANGER BAR

RECOMMENDED  
CONFIGURATIONS FOR  
BEST FITMENT:

- FULL STRAIGHT
- 2° FULLY CURVED



### 4BANGER BAR

RECOMMENDED  
CONFIGURATIONS FOR  
BEST FITMENT:

- FULL STRAIGHT
- PARTIAL CURVED WITH  
ALL LINKS SET TO 3°  
EXCEPT CENTER 3



### BIGBANGER BAR

RECOMMENDED  
CONFIGURATIONS FOR  
BEST FITMENT:

- FULL STRAIGHT
- 3° FULLY CURVED

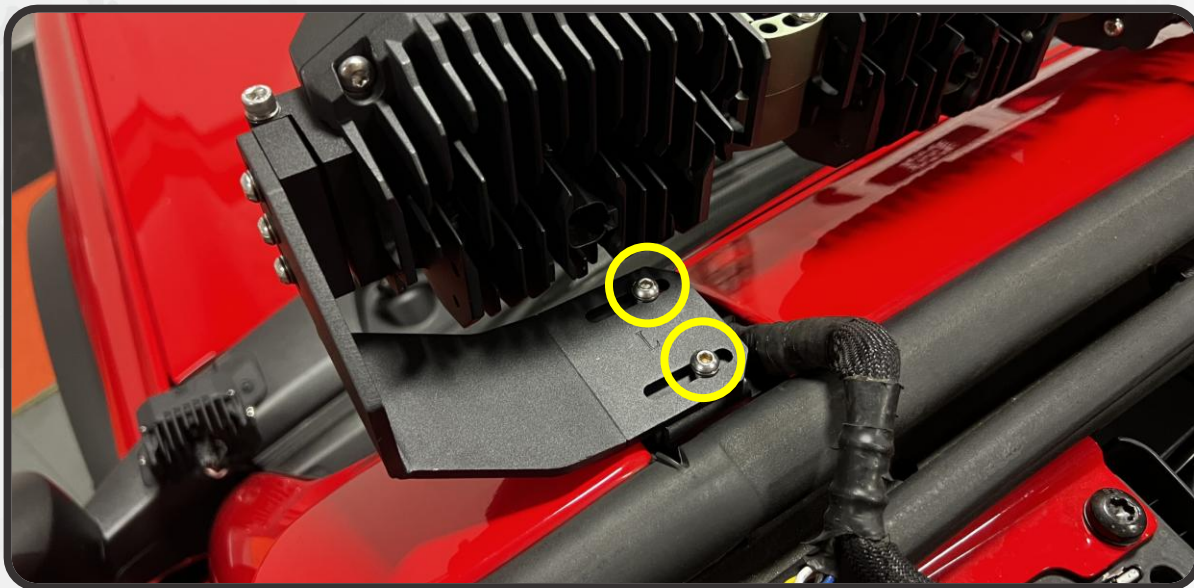
25. USING A 4MM HEX KEY AND THREE OF THE PROVIDED SCREWS, SECURE THE BRONCO-SPECIFIC END MOUNTING FEET TO EACH END OF YOUR LIGHT BAR. THESE CAN BE LOOSENED AFTER INSTALLING THE LIGHT BAR ONTO THE VEHICLE TO ADJUST THE ANGLE OF THE BAR





## BAR INSTALLATION

26. WITH THE HELP OF A SECOND SET OF HANDS, LIFT THE LIGHTBAR UP ONTO THE VEHICLE, AND ALIGN THE END MOUNTING FEET WITH THE BASE PLATE ON EITHER SIDE. SECURE THE FEET TO THE BASE PLATE USING THE PROVIDED SCREWS, AND TIGHTEN THEM USING A 4MM HEX KEY



27. ADJUST THE MIDDLE SUPPORT LEGS ON THE LIGHT BAR UNTIL THEY ARE PRESSED AGAINST THE ROOF, SUPPORTING THE LIGHT BAR



## BAR INSTALLATION

28. ROUTE YOUR WIRE HARNESS ALONG THE LIGHT BAR, PLUGGING IN EACH POD AS YOU GO



29. TEST YOUR LIGHT BAR AND CONFIRM THAT ALL FUNCTIONS ARE WORKING PROPERLY

30. GO THROUGH YOUR HARNESS UNDER THE DASH AND IN YOUR ENGINE BAY AND SECURE ANY LOOSE/EXCESS WIRES USING ZIPTIES. BE SURE ALL WIRES ARE OUT OF THE WAY OF ANYTHING THAT MOVES OR GENERATES EXCESSIVE HEAT SUCH AS THE PEDALS, FANS, BELTS, OR EXHAUST COMPONENTS





# WIRE HARNESS ROUTING

31. REASSEMBLE THE INTERIOR OF THE VEHICLE IN THE REVERSE ORDER IF DISASSEMBLY



- ENJOY YOUR NEW MORIMOTO LIGHT BAR! -

