



BRIGHT IS ONLY THE BEGINNING

INSTALL GUIDE

JEEP JL/JT LIGHT BAR WINDSHIELD MOUNTS

BAF081



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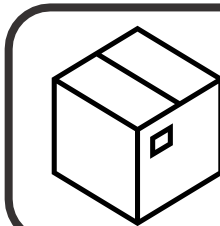
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WHAT'S INCLUDED



2X JEEP ROOF
MOUNT BRACKETS



HARDWARE KIT

1X HARNESS CLIP 4X T30 TORX BOLTS
(SHORT) WITH
2X 14MM SPACERS WASHERS

4X T50 TORX BOLTS 2X T30 TORX BOLTS
(LONG) WITH
2X 5MM SPACERS WASHERS

OPTIONAL ADD-ONS



1X BANGER LIGHT BAR
KIT (AS CONFIGURED)



1X LIGHT BAR RELAY
HARNESS



REQUIRED TOOLS

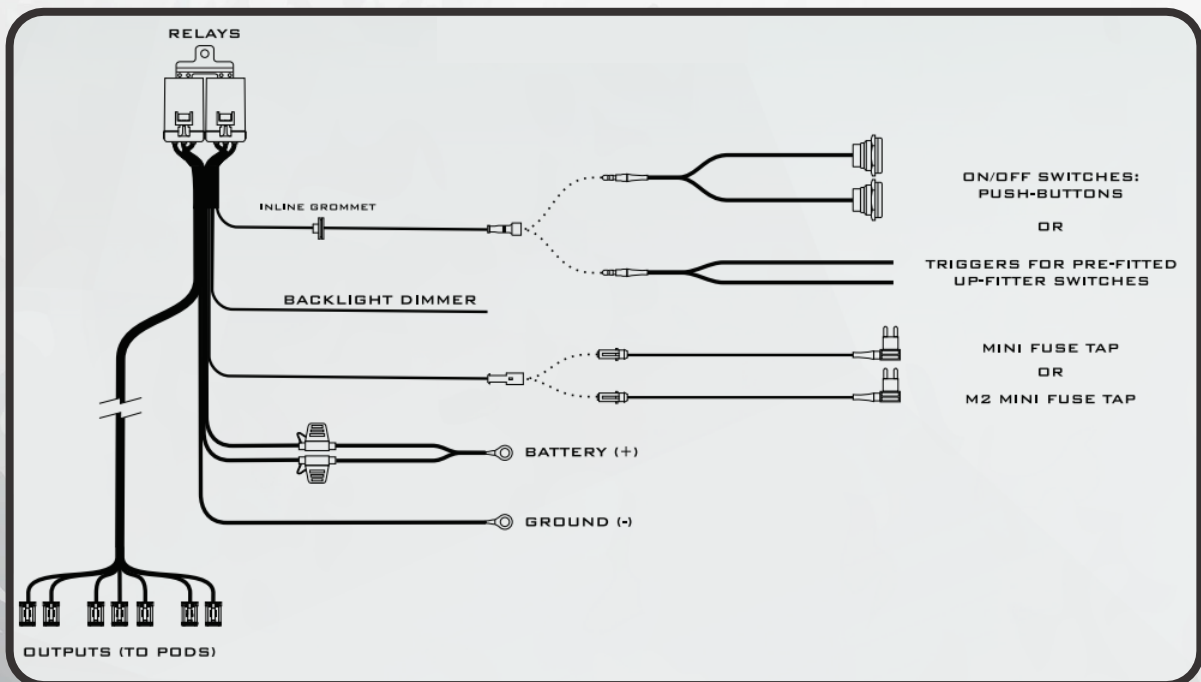
- RATCHET
- 4MM HEX KEY
- DRILL AND STEPPED DRILL BIT
- ZIP TIES

- T30 TORX BIT
- T40 TORX BIT
- T50 TORX BIT



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 FIREWALL TO PASS THROUGH TO THE INTERIOR FOOTWELL. DRILL A $\frac{3}{4}$ " HOLE IN YOUR DASH IN YOUR DESIRED LOCATION AND MOUNT THE SWITCH



WIRE HARNESS ROUTING

6. ON THE PASSENGER SIDE OF THE VEHICLE, REMOVE THE FOUR T40 TORX BOLTS THAT SECURE THE COWL SIDE PANEL, THEN REMOVE THE PANEL



7. ROUTE THE PORTION OF THE WIRE HARNESS WITH THE OUTPUT CONNECTORS OUT OF THE ENGINE BAY THROUGH THE BACK OF THE HOOD



WIRE HARNESS ROUTING

8. A HOLE WILL NEED TO BE DRILLED INTO THE COWL SIDE PANEL TO PASS THE WIRING HARNESS THROUGH. USING A STEPPED DRILL BIT, CAREFULLY DRILL A HOLE INTO THE PANEL 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



9. FEED THE HARNESS OUTPUTS THROUGH THE HOLE YOU DRILLED IN THE PANEL AND FIT THE PANEL BACK INTO POSITION



INSTALLATION

10. FIT ONE OF THE PROVIDED 14MM SPACERS OVER THE UPPER-REAR BOLT HOLE FOR THE CORNER COWL PANEL AS SHOWN



11. FIT THE PASSENGER-SIDE BRACKET ONTO THE VEHICLE OVER THE THREE BOLT HOLES AS SHOWN. SECURE THE BRACKET USING TWO OF THE PROVIDED T50 TORX SCREWS ON THE SIDE, AND ONE OF THE LONG T30 SCREWS AND A LARGE WASHER ON TOP. MAKE SURE YOUR HARNESS IS ROUTED OUT OF THE HOLE TOWARDS THE BACK OF THE VEHICLE WHEN MOUNTING THE BRACKET



INSTALLATION

12. ROUTE THE HARNESS UP THE A-PILLAR, TUCKING IT BEHIND THE ARM OF THE BRACKET AS YOU GO



13. REPEAT THE BRACKET INSTALLATION PROCESS ON THE DRIVER-SIDE OF THE VEHICLE, REMOVING THE THREE FACTORY T40 TORX BOLTS AND INSTALLING THE BRACKET WITH THE PROVIDED HARDWARE
14. ATTACH THE BAR MOUNTING FEET TO THE TOP OF EACH BRACKET (AS SHOWN FOR YOUR APPLICATION) USING THE PROVIDED SHORT T30 TORX BOLTS AND WASHERS. LEAVE THESE BOLTS SLIGHTLY LOOSE TO ALLOW FOR ADJUSTMENT DURING INSTALL. THE PROVIDED HARNESS CLIP CAN BE USED AS SHOWN BELOW TO SECURE YOUR WIRE HARNESS TO THE BRACKET

FOR BIGBANGER BAR



FOR BIGBANGER BAR, INSTALL MOUNTING FEET FACING "OUT"



FOR 2/4BANGER BAR



FOR 2/4BANGER BAR, INSTALL MOUNTING FEET FACING "IN"



BAR INSTALLATION

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



2BANGER BAR

**RECOMMENDED
CONFIGURATIONS FOR
BEST FITMENT:**

-FULL STRAIGHT



4BANGER BAR

**RECOMMENDED
CONFIGURATIONS FOR
BEST FITMENT:**

-FULL STRAIGHT



BIGBANGER BAR

**RECOMMENDED
CONFIGURATIONS FOR
BEST FITMENT:**

-FULL STRAIGHT

16. LIFT THE BAR INTO POSITION BETWEEN THE END BRACKETS (IT HELPS TO HAVE A FRIEND FOR THIS STEP). USING A 4MM HEX KEY AND THREE OF THE SCREWS PROVIDED FOR THE BAR, SECURE THE BAR TO THE MOUNTING FEET. ADJUST THE BAR TO YOUR DESIRED ANGLE AND HAND-TIGHTEN ALL HARDWARE



BAR INSTALLATION

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



18. 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

19. 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



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- ENJOY YOUR NEW MORIMOTO LIGHT BAR! -

