



THE AUTOMOTIVE LIGHTING BENCHMARK

INSTALL GUIDE

DITCH LIGHT BRACKETS: SUPER DUTY (23+)

BAF141



WHAT'S INCLUDED



2X (PAIR) DITCH
LIGHT BRACKETS



2X WIRE CLIPS

REQUIRED TOOLS

- RACHET
- 13MM SOCKET
- 10MM SOCKET
- ZIP TIES
- 17MM WRENCH
- T30 TORX BIT
- PAINTERS TAPE

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.



INSTALLATION

1. FOR THIS INSTALL, THE WINDSHIELD WIPERS WILL NEED TO BE REMOVED. BEGIN BY APPLYING A STRIP OF PAINTER'S TAPE TO THE WINDSHIELD ALONG THE BLADE OF THE WIPER. THIS WILL BE USED LATER WHEN REINSTALLING THE WIPER TO MATCH IT UP TO ITS ORIGINAL LOCATION. REPEAT THIS FOR BOTH WIPERS



2. REMOVE THE WINDSHIELD WIPER ARMS BY LIFTING THE WIPER ARM INTO THE RAISED POSITION. THEN PULL OUT ON THE LOCKING TAB AS SHOWN BELOW, AND LIFT THE ARM STRAIGHT UP OFF THE SHAFT. REPEAT THIS ON BOTH WIPER ARMS



INSTALLATION

3. REMOVE THE ANTENNA BY UNSCREWING IT FROM ITS MOUNT



4. RAISE THE HOOD. LIFT UP ON ONE END OF THE COWL AND BEGIN CAREFULLY, BUT FIRMLY, PRYING UP FROM ONE END TO THE OTHER AND RELEASING THE CLIPS SECURING IT. ONCE FULLY RELEASED MOVE IT BACK INTO THE WINDSHIELD TO GET IT OUT OF THE WAY



INSTALLATION

- MOVING TO THE BOTTOM CORNER OF THE WINDSHIELD/UPPER REAR CORNER OF THE FENDER, LOCATE THE 10MM BOLT SECURING THE TOP OF THE FENDER (SHOWN BELOW) AND REMOVE IT



- BEHIND THE FENDER, AT THE BASE OF THE HOOD HINGE, LOCATE THE REAR-MOST 13MM BOLT (CIRCLED BELOW) AND REMOVE IT



INSTALLATION

7. INSERT THE INCLUDED WIRE CLIP INTO THE BRACKET AS SHOWN BELOW



8. WITH THOSE TWO BOLTS REMOVED, SLIDE THE BRACKET BETWEEN THE FENDER AND HOOD HINGE, AND OVER THE TWO NOW-EMPTY BOLT HOLES. REINSTALL THE TWO BOLTS YOU REMOVED TO SECURE THE BRACKET TO THE TRUCK



9. REPEAT STEPS 5-8 ON THE OPPOSITE SIDE

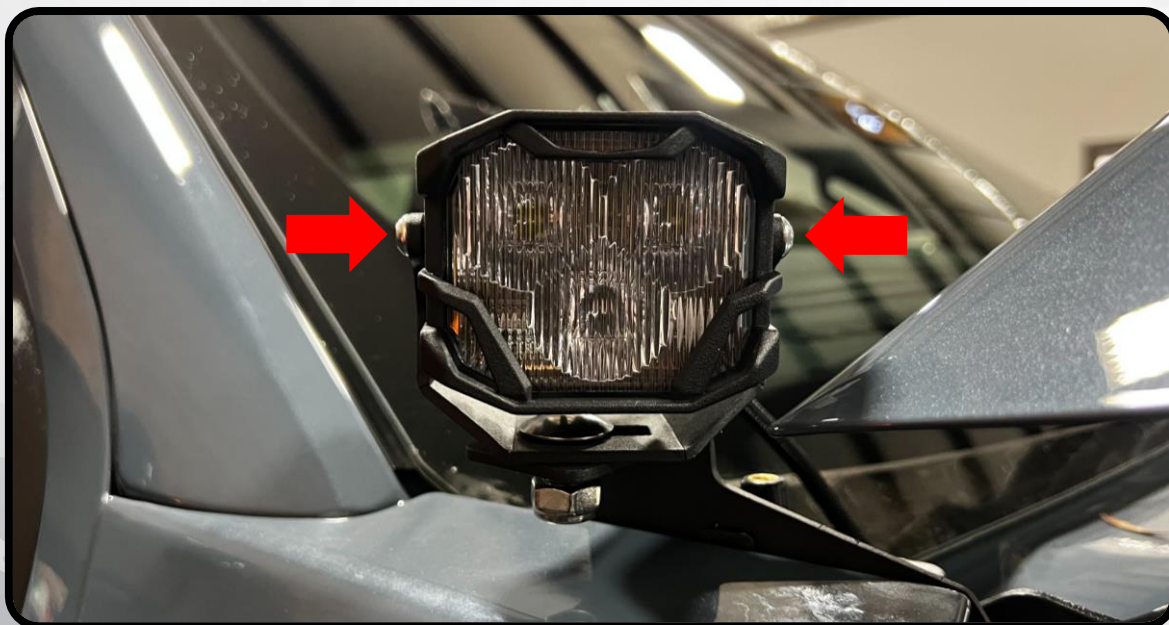


INSTALLATION

10. TO INSTALL YOUR POD LIGHTS, CLOSE THE HOOD AND PLACE THE U-BRACKET ON THE TOP MOUNT OF THE DITCH LIGHT BRACKET. SECURE IT TO THE BRACKET USING THE CARRIAGE BOLT AND 17MM NUT. HOLD THE TOP OF THE BOLT DOWN WITH YOUR HAND AND TIGHTEN THE NUT WITH A 17MM WRENCH. LEAVE IT SLIGHTLY LOOSE SO THAT THE POD CAN BE AIMED LATER



11. SECURE THE POD TO THE U-BRACKET WITH THE TWO PROVIDED SCREWS USING A T30 TORX BIT. LEAVE THESE SLIGHTLY LOOSE AS WELL TO ALLOW AIMING LATER



INSTALLATION

12. INSTALL YOUR RELAY POWER HARNESS USING THE FIGURE BELOW AS A GUIDE
 - A. MOUNT YOUR RELAY UPRIGHT NEAR THE VEHICLE'S BATTERY (GREEN IN FIGURE)
 - B. CONNECT THE RED RING TERMINAL LABELED "BATTERY +" TO THE POSITIVE TERMINAL ON THE BATTERY (RED IN FIGURE)
 - C. CONNECT THE BLACK RING TERMINAL LABELED "GROUND -" TO A SUTABLE BARE-METAL GROUND, OR THE NEGATIVE TERMINAL ON THE BATTERY (BLACK IN FIGURE)
 - D. ROUTE THE "LIGHT 1" CONNECTOR UP TO THE NEAREST POD LIGHT (ORANGE IN FIGURE)
 - E. ROUTE THE "LIGHT 2" CONNECTOR ACROSS THE BAY TO THE OPPOSITE POD LIGHT. THE EXTENSIONS INCLUDED WITH YOUR HARNESS MAY BE REQUIRED (YELLOW IN FIGURE)
 - F. THE INPUT WIRE (BLUE IN FIGURE) CAN BE USED ONE OF TWO WAYS:
 - a) FOR VEHICLES WITH UPFITTER SWITCHES: USE THE BARE WIRE INPUT ADAPTER ON THE INPUT HARNESS TO CONNECT TO YOUR DESIRED UPFITTER TRIGGER WIRE. THE FACTORY UPFITTER TRIGGER WIRES SHOULD BE LOCATED IN A BUNDLE AGAINST THE FIREWALL ON THE PASSENGER SIDE. CONSULT YOUR MANUAL FOR WHICH WIRE CORRESPONDS TO WHICH INTERIOR SWITCH
 - b) FOR VEHICLES WITHOUT UPFITTER SWITCHES: INSTALL THE PUSH BOTTON SWITCH THAT WAS INCLUDED WITH YOUR HARNESS. ROUTE IT ACROSS THE ENGINE BAY TO THE DRIVER SIDE OF THE VEHICLE AND LOCATE A SUTABLE GROMMET ON THE FIREWALL TO PASS THROUGH TO THE INTERIOR FOOTWELL. PASS THE SWITCH HARNESS THROUGH THE GROMMET. DRILL A 3/4" HOLE IN YOUR DASH IN THE DESIRED LOCATION, AND MOUNT THE SWITCH

ONCE ALL OF YOUR WIRES ARE ROUTED, BE SURE ALL WIRES ARE SECURED AND OUT OF THE WAY OF ANYTHING THAT MOVES OR GENERATES EXCESSIVE HEAT IN THE ENGINE BAY SUCH AS FANS, BELTS, WIPER ARMS, OR EXHAUST COMPONENTS



INSTALLATION

13. REOPEN THE HOOD AND PLUG YOUR POWER HARNESS INTO THE LIGHT. ROUTE YOUR WIRING ALONG THE BRACKET BY CLIPPING THE WIRE INTO THE WIRE CLIP ON THE BRACKET



14. ONCE THE PODS ARE WIRED UP, POWER THEM ON, AND DECIDE HOW YOU'D LIKE TO AIM THEM. ONCE YOU SETTLE ON YOUR PREFERRED AIM, TIGHTEN THE TWO T30 TORX SCREWS AND THE 17MM NUT DOWN IN THE DESIRED POSITION



INSTALLATION

15. REINSTALL THE PLASTIC COWL, MAKING SURE TO SECURE ALL THE CLIPS
16. SCREW YOUR ANTENNA BACK INTO THE ANTENNA MOUNT
17. REINSTALL THE WINDSHIELD WIPER ARMS BACK ONTO THE TRUCK IN THE REVERSE OF HOW YOU REMOVED THEM. MAKE SURE TO ALIGN THE BLADES WITH THE TAPE MARKS YOU MADE EARLIER. THIS MAY TAKE A FEW TRIES TO GET ALIGNED CORRECTLY ON THE SPLINES



- ENJOY YOUR NEW DITCH LIGHTS! -

