



Bumper Light Bar Bracket

Fits Ford Bronco 2021-Up
For 39.5" - 42" light bars

***Compatible with metal front bumpers only**

Part Components

- Wiring harness included for easy installation with Bronco auxiliary switch wiring
- Black powder-coated brackets

Product Features

- Fits 39.5" - 42" light bars
- Easily mount a 39.5"-42" Heise LED light bar to the front bumper of your Ford Bronco with this stylish Bumper Light bar Bracket. This product features a corrosion-resistant black powder-coated finish. Included with this bracket is a wiring harness for easy installation into the Bronco auxiliary switch wiring. Specifically designed for metal bumpers, this bracket uses factory bolt locations for simple installation.

A)

Brackets



B)

Harness



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TOOLS REQUIRED

Hand Tools

- T40 Torx®
- Wire stripper
- Wire crimper

Additional Supplies

- Thread lock (recommended)

-Bracket mounting

1. Locate the (4) factory bolts on the top surface of the front bumper. There are (2) towards the left end and (2) towards the right end of the badge. (Figure 1)



Figure 1

2. Using a T40 Torx®, remove these (4) bolts(Figure 2)



Figure 2

3. Align the brackets so the light bar hangers are on the outermost end and extend forward from the bumper.



Figure 3

4. Using the factory bolts mount the brackets into place, do not fully tighten at this time. (Figure 3 and Figure 4)



Figure 4

5. Apply thread lock (recommended) to the end-cap mounting bolts that were included with the light bar.

6. Holding the light bar between the brackets, screw the bolt through the bracket and into the light bar end-cap, do not fully tighten. Repeat for the other side.

-Bracket configuration

7. Adjust the position of the light bar horizontally so that it is centered. At this time fully tighten the (4) factory bolts to 18 lb.ft (25Nm).

8. Adjust the pitch of the light bar as desired. At this time fully tighten the (2) endcap mounting bolts.

Figure 5 & 6- HE-B3950

Figure 7 & 8- HE-BD42

Figure 5

Figure 6

Figure 7

Figure 8



-OE switch panel wiring

If the vehicle is equipped with the factory switch panel continue, if not go to harness hardwire on page 7.

1. Pull the hood release handle near the driver kick panel to release the hood.
2. Open the hood and locate the auxiliary switch wires located in the driver side corner of the engine bay by the firewall. (Figure 9)
3. The included harness is intended to be connected to the AUX 2 switch wire, which is green/brown. (Figure 10)
4. Remove the protective cover from the auxiliary green/brown wire, strip off a ¼" of insulation, and crimp to the harness's green/brown wire.
5. Ground the black wire from the harness marked "chassis ground" to a factory grounding point in the engine bay.

Switch	Wire Color	Fuse
AUX 1	Yellow	30A
AUX 2	Green/Brown	15A
AUX 3	Violet/Green	10A
AUX 4	Brown	10A
AUX 5	Blue/Orange	10A
AUX 6	Yellow/Orange	10A

Figure 10

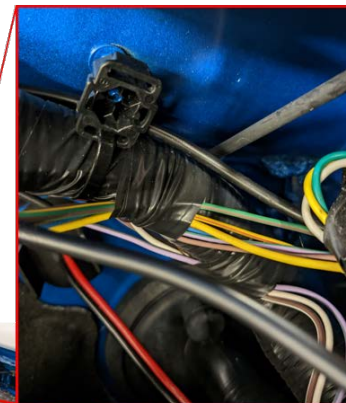


Figure 9

-Routing

Routing path



-Routing

6. Locate the black hood release cable running along the inside of the driver side fender.

(Figure 10)

7. Cable tie the harness to the hood release cable (do not over-tighten), working down the fender and around to the front of the battery.



Figure 10



Figure 11

8. In front on the battery locate the large black harness going down towards the bottom of the engine bay. (Figure 11)

9. Using the factory harness as a guide, route the harness down (Figure 12) and out the the front of the vehicle between the bottom of the grille and top of the front bumper. (Figure 13)



Figure 12



Figure 13

10. Plug in the connector that matches the light bar, the other connector will not be used.

11. Secure any excess cable.

12. Turn on the vehicle and test functionality.

-Harness hardwire

1. Open the hood and connect the harness as shown below.

- a. Ground the single black wire from the harness marked "chassis ground" to a factory grounding point in the engine bay.
- b. A switch, fuse holder, and relay will be needed to connect the green/brown wire. (Figure 14)

2. Continue with harness routing, page 5.

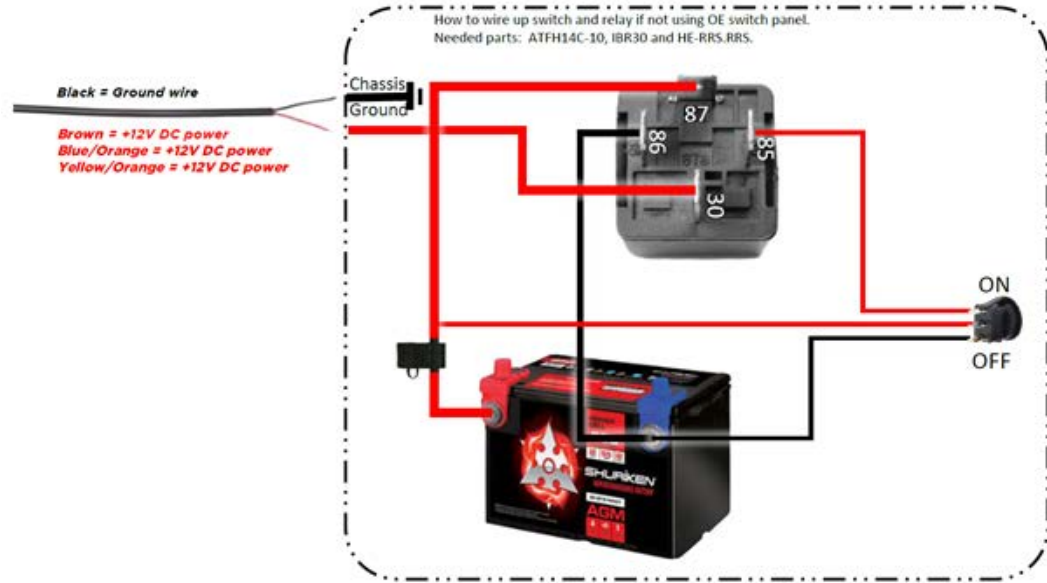
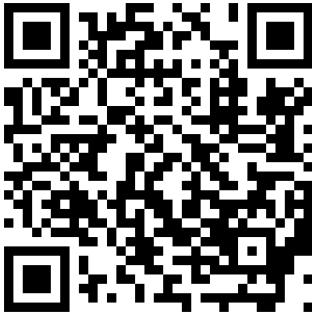


Figure 14



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