



Instructions

JL - SPARE TIRE DELETE

Thank you for purchasing your Spare Tire Delete from AAL! We greatly appreciate your trust in our company. We take that purchase and your commitment to us very seriously. If you have any questions along the way, please don't hesitate to give us a call at 385.202.4188.

****Please read these instructions thoroughly before starting this project.****

****These instructions will cover the installation WITH the Camera Bracket. If you didn't purchase it with your Spare Tire Delete, simply ignore those steps.****

Tools/Components Required:

There is more than one tool for every job, but below is the list of tools we use for this installation.

Tools listed are for assembly only, as disassembly tools will vary.

- Impact or Ratchet
- M2.5 Allen Wrench/Socket
- M3 Allen Wrench/Socket
- M5 Allen Wrench/Socket
- Wire Strippers
- Wire Crimpers
- 7mm Wrench
- 10mm Wrench
- (4) 22awg Butt Connectors

What's included:

Spare Tire Delete

M8x25 Button Head Bolt	7	M6x8 Button Head Bolt	4
M8x16 Button Head Bolt	1		

Camera Bracket

M5x10 Button Head Bolt	4	M4x14 Button Head Bolt	6
M4x20 Button Head Bolt	2	M4 Nylock Nut	2

Step 1 - Teardown and Prep

Start by removing your OEM tire carrier, 3rd brake light assembly, and back up camera assembly.

Using images 1 and 2, locate and identify the included components. *The (3) camera bracket body pieces are shown preassembled.*

Image 1



Image 2



Disassemble the OEM back up camera mount. All you need to reuse is the camera itself.

Step 2 - Camera Bracket Assembly

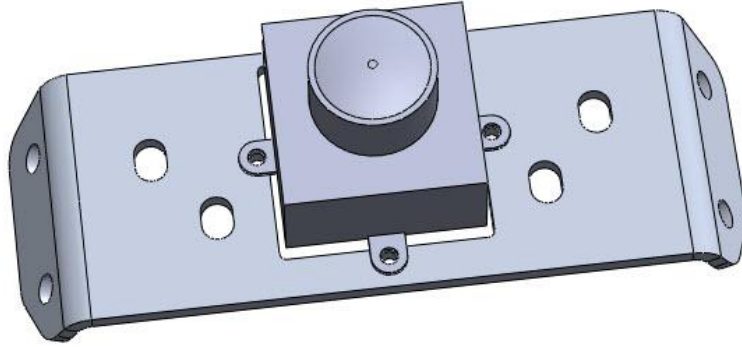
If you didn't purchase the Camera Bracket, skip ahead to Step 3.

Now you can assemble the backup camera assembly.

Early Model JLs: Reusing OEM camera hardware, screw the camera into the main camera mounting bracket and discard the other camera mounting brackets. *These brackets are aluminum and will strip easily. Be careful not to over tighten! See Diagrams 1&2 to identify the main camera mounting bracket.*



Diagram 1



2021-2025 JIs: Assemble as shown in the Diagrams 2-5. *These brackets are aluminum and will strip easily. Be careful not to over tighten!*

Diagram 2

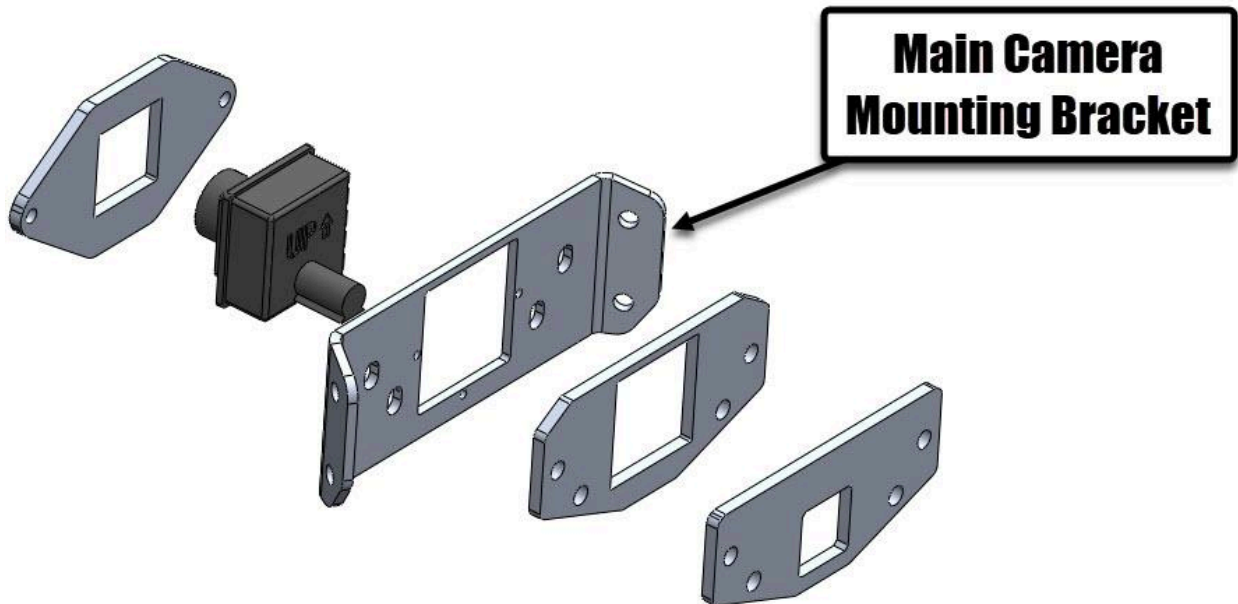


Diagram 3

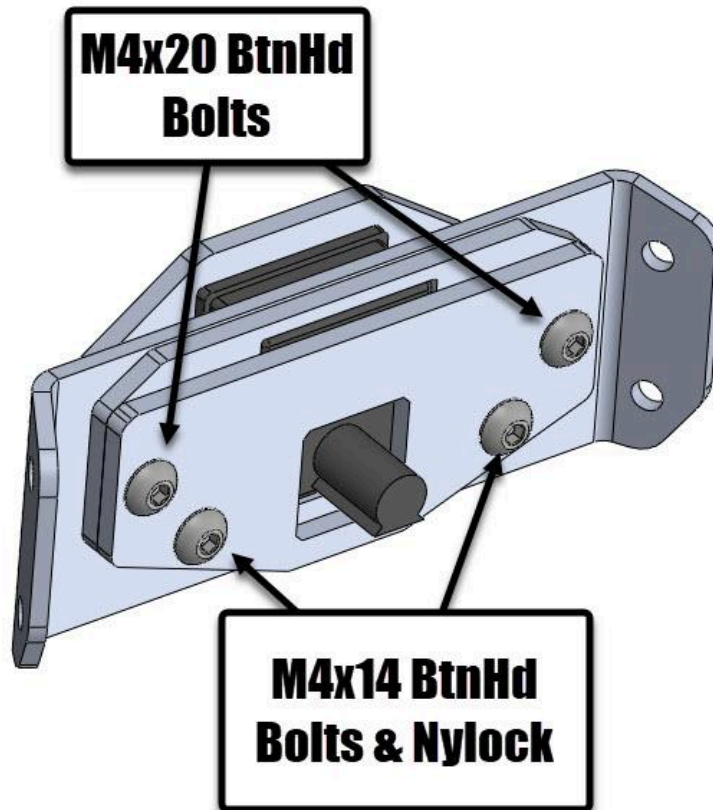
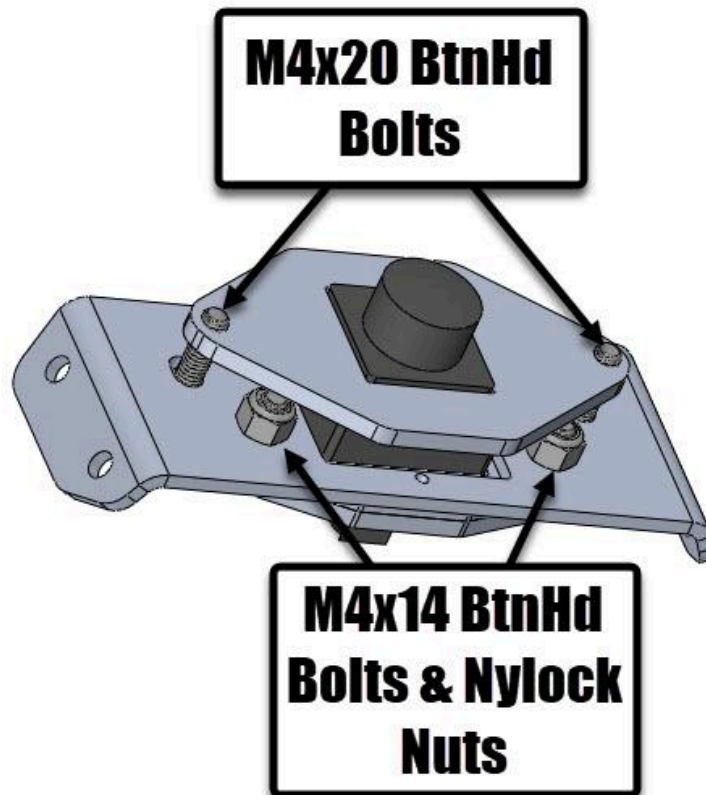
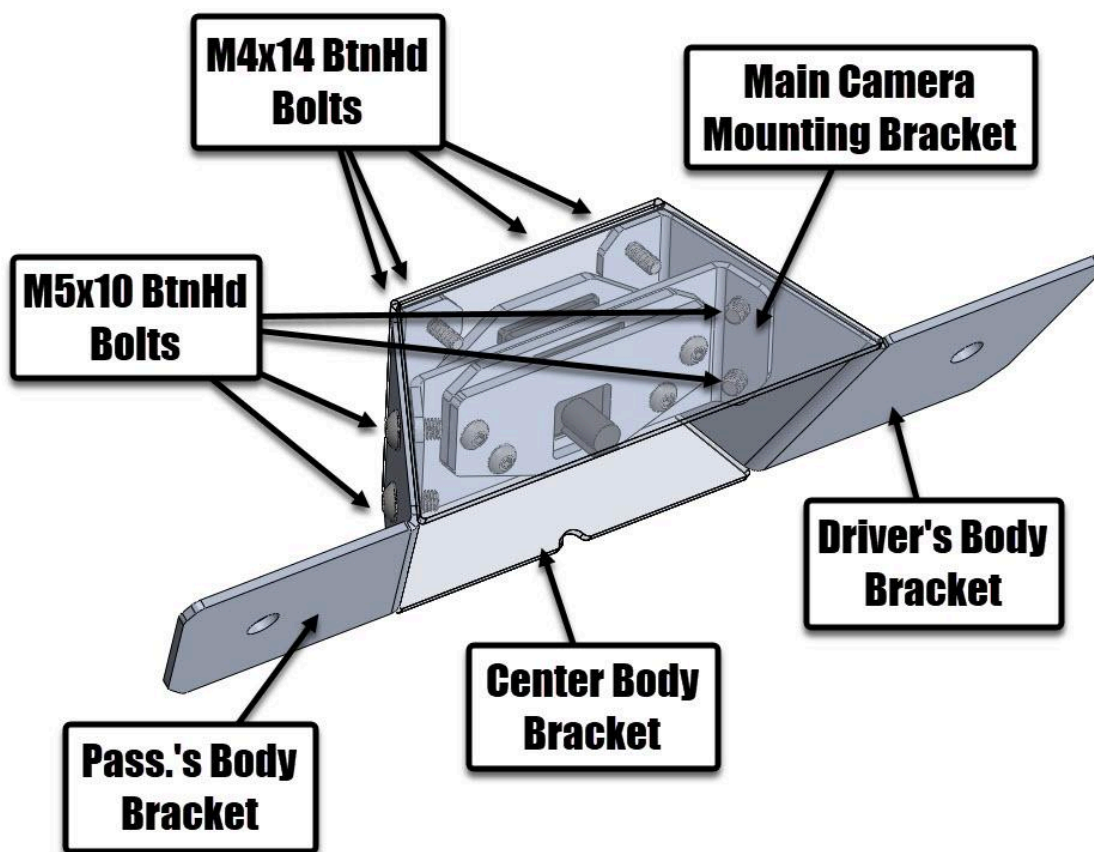


Diagram 4



After you've mounted the camera to the bracket assembly for your application, you can now assemble the rest of the camera bracket. Using (4)M4X14 Button Head Bolts, assemble the Camera Bracket Body as shown in Diagram 5.

Diagram 5



Finally, attach the Camera Mount Assembly and the Camera Bracket Body Assembly using (4)M5x10 Button Head Bolts as shown in Diagram 5 with the thin side of the Main Camera Mounting Bracket up. *These brackets are aluminum and will strip easily. Be careful not to over tighten!*

Step 3 - Assemble License Plate Mount

Using the (4)M6x8 Button Head Bolts, attach your license plate to the License Plate Mount shown at the bottom of Image 1.

Next, orient the supplied third brake light to the bracket light mounting plate (Shown at the right of Image 2) by threading the light wires through the "D" shaped hole in the mounting plate and attach the light using the adhesive strip on the back of it. *There are zip tie holes on the mounting plate in case the light ever starts to come off. These are optional.*

Once that is done, attach the brake light plate assembly to the License Plate Mount using the (2) supplied stud lights. Do so by feeding the wires through both the brake light plate and license plate

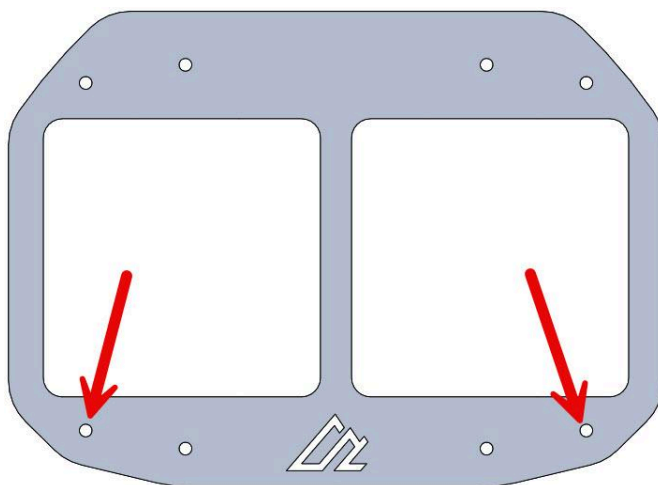


mount. Align your tag lights as desired, then tighten the nuts on the back side using a 10mm wrench. *Make sure the third brake light wires are on the right when looking at the spare tire delete kit.*

Step 4: Wiring and Installing Spare Tire Delete

Once the License Plate Mount is fully assembled, you can wire it to the Jeep. Before starting on the wiring, it is advised to go ahead and install the Spare Tire Delete base plate using (2)M8 Button Head Bolts in the locations shown in Diagram 6. *There is sometimes a bolt on the inside of the tailgate that will not allow the longer M8x25 bolts to be installed. This is why we send your Spare Tire Delete with (1)M8x16 bolt. Note the logo orientation in Diagram 6, as the base plate will install either way.*

Diagram 6



Follow wiring descriptions below for all wiring. You can make connections using a method of your choosing, but we recommend solder and heatshrink.

License Plate Lights:

The red wire from each license plate light should be connected to the **white/blue** wire from your OEM tag harness (located in the rear bumper). You will need to extend the 12V wire from the OEM license plate light up into the tailgate. The black wires from the LED license plate lights should be connected to black ground wire from the jeep.

Third Brake Light:

To connect the third brake light, you will need to connect the **white/green** wire from your OEM third brake light to the red wire on the new LED strip. The black wire from the LED strip should be connected to the black ground wire from the OEM third brake light harness.

Optional Brake Light Functionality:

The following are optional circuits on the LED strip:

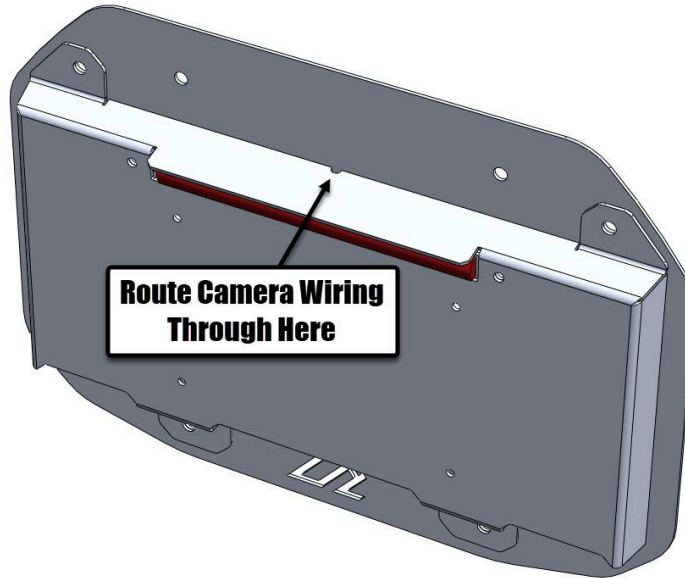
- White: Running Light (could be connected to white/blue)
- Yellow: Right Turn (would need to bring in wire from right turn signal)



- Green: Left Turn (would need to bring in wire from left turn signal)

Once all connections are made, install License Plate Mount to the tailgate using the remaining M8 bolts. If applicable, first, feed the camera wire through the opening in the base plate and up through the small notch in the top of the License Plate Mount and connect it to the camera. See Diagram 7.

Diagram 7



Once you have the camera wire routed, install the bolts and tighten all hardware.

Step 5: Share Your Photos

We take great pride in building our products and we hope that pride extends to you after installing your Spare Tire Delete. If you are able to share your photos online (Facebook and Instagram), please tag **@AmericanAdventureLab**. We would love to see how it turned out and give you some reciprocal attention in return!

Congrats! You're all done!

Thank you!

At American Adventure Lab, we strive to improve anywhere we can. If you experience any issues with this product or have any suggestions, please let us know.

If you have any questions or concerns, please don't hesitate to reach out to us at 385.202.4188 or via email at Support@erp.adventurelab.com.

