



OLM V3 F1 Rear Brake Light

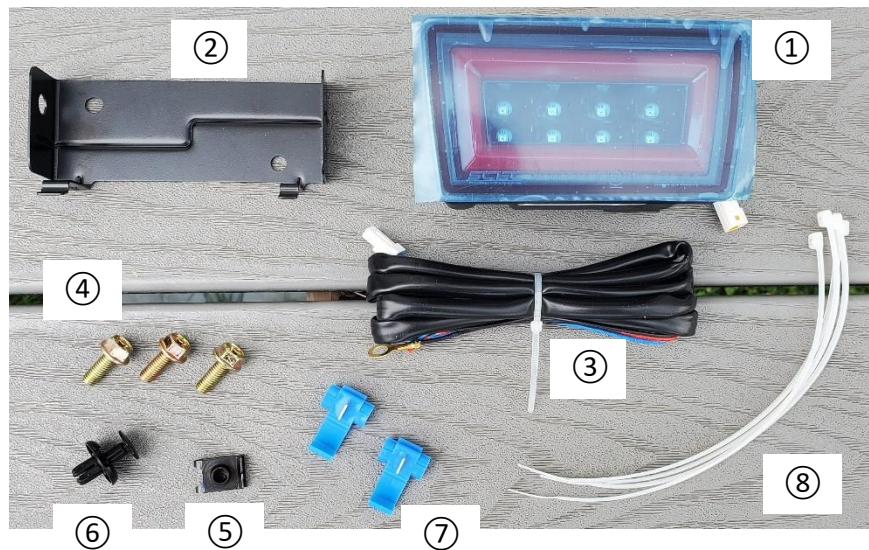
Part #: OLMA.70023.1, .2, .3, & .4

Application: 2015-2021 WRX & STi,

Questions? Email us at: sales@subispeed.com

Parts List:

- ① OLM V3 F1 rear brake light (shown is p/n ending in .2)
- ② Mounting bracket
- ③ Wiring harness
- ④ Mounting bolts (3)
- ⑤ Speed clip (1)
- ⑥ Plastic pop-clip (1)
- ⑦ Connectors (2)
- ⑧ Zip ties (4)



Note: Do not remove the blue film over the lens of your F1 light until the final step of this guide! This film is put in place to keep the lens from getting scratched or marred during the installation process.

Required Tools:

Flathead screwdriver

3/8" ratchet w/ extension

10 mm socket

Lineman's pliers

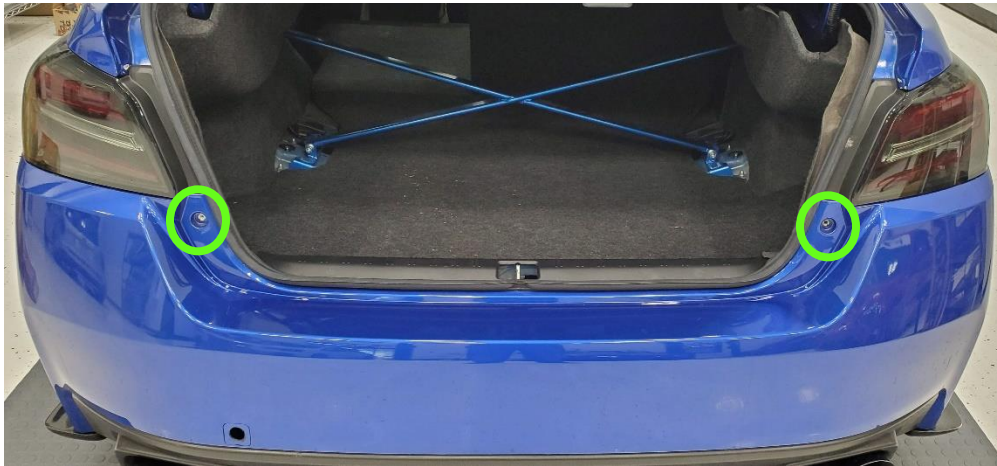
Optional:

A clean sheet or several towels to set your rear bumper on once it's removed

Note: This install can be done without removing your rear bumper however for the sake of making a complete install guide, that is how we've shown it here

Installation Instructions:

- 1 – Begin by parking your vehicle on a flat surface. Turn the ignition off and remove keys.
- 2 – Open your hood and trunk
- 2 – Using your ratchet and 11 mm socket, disconnect the positive battery terminal and move away from the battery.
- 3 – Re-enter your vehicle and depress the brake pedal for 10 seconds to ensure any residual power left in the electrical system is dispersed.
- 4 – With the trunk open, begin by removing the 2 large phillips screws shown below



- 5 – Next, move to the rear wheel well. There will be one clip holding the bumper into the wheel well, push the center of the clip to release it and then use your flathead screwdriver to remove. Repeat on the opposite side.



6 – Next, shown below on the underside of the vehicle are 10 pop clips that will need to be removed using your flathead screwdriver. 3 behind each wheel and 4 in the middle of the vehicle



7 – With all the fasteners removed, unsnap the edges of the bumper by grabbing where indicated and pulling outwards.



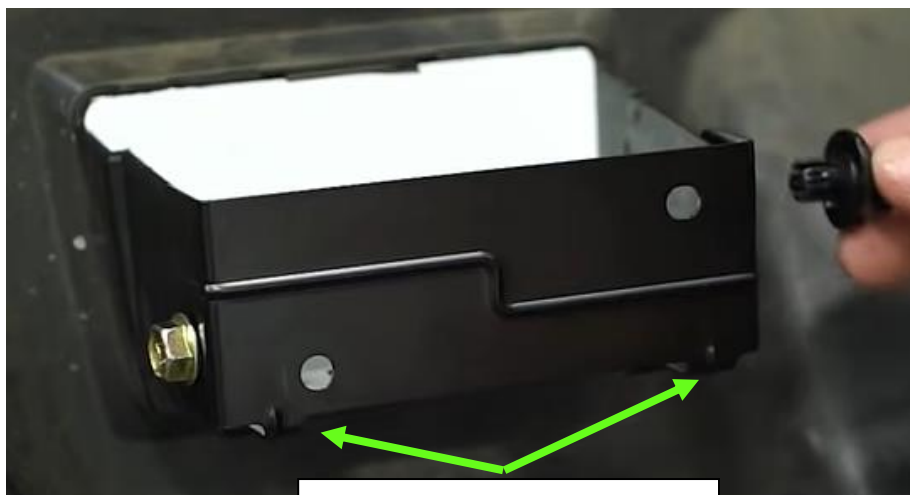
8 – With the edges free, begin pulling and wiggling the bumper from the center section. There are clips located under the taillights that can be challenging to get free, especially if this is your first time removing the bumper.

9 – With the bumper free from the car, set it down somewhere safely and using a flat head, remove the blank insert from the 4th brake light section of the bumper. You may wish to keep this blank for future use.

10 – Next, take the speed clip, ⑤, and slide it onto the passenger side of the rear brake light cut-out on the bumper, with the threads facing inward, as shown.



11 - Attach the mounting bracket to the bumper using the ratchet and 10 mm socket. The skinny tabs from the mount should be on the bottom as shown. Use one of the mounting bolts, ④, on the passenger side and the single plastic pop-clip, ⑥, on the driver side.



Skinny tabs oriented on bottom

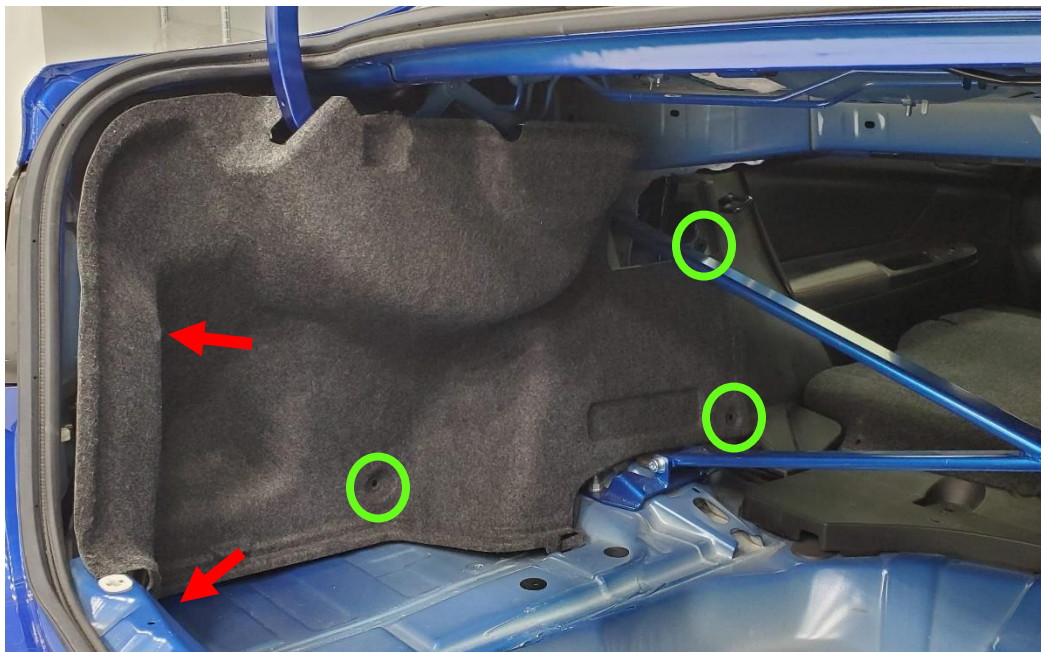
12 – Now, take the F1 light and insert it through the front on the bumper. Secure in place with the wiring harness pointed up using the other 2 mounting bolts, ④.

13 – In the trunk, take out your trunk carpet and spare tire cover and set them aside safely.

14 – Remove the center trim piece by removing the 3 plastic clips circled below and pulling up.



15 - Now remove the trunk lining behind the driver side taillight, it is held in by the 5 clips shown below.



Optional: You can remove the 2 clips noted in red and then bend the trunk liner out of the way to have access to the wiring.

16 – Now remove the rubber plug shown below from the trunk pan. We will use this opening to route the wiring from the taillight to the F1 light.



Optional: If you wish to retain the plug, simply cut a hole or slit into it and then feed the wire through

17 – Take the wiring harness, (3), and feed the white connector through the hole and connect it to the plug from the back of the F1 light.

18 – Back in the trunk of the car, you'll need to connect the 3 wires from the harness to your taillight harness:

F1 Harness Wire Color	Function	Taillight Harness Color
Blue	Running light (+)	Black w/ white stripe
Red	Brake light (+)	Brown
Black	Ground	Ground on body of car

Optional: If you chose to utilize our 3-wire plug-&-play harness, please refer to the table below

F1 Harness Wire Color	Function	3-wire PnP Harness Color
Blue	Running light (+)	Red
Red	Brake light (+)	Yellow
Black	Ground	Black

Using the chart above and the 2 included connectors, (7), connect the appropriate wires to your taillight harness and using the ring terminal already on the ground wire, secure it under one of the unpainted 8mm bolts that secures the taillights to the vehicle.

19 – Reconnect your battery and with the help of a friend, test your F1 light before reassembly to ensure it functions as intended. Turn your lights on and the bar should illuminate. When the brake is depressed the bar should become brighter and the center should strobe

20 – The center bar has 2 functions to choose from. First, strobing which then turns solid when the brake is held down. Second, solid when the brake is depressed and held down. To switch between these 2 modes, simply hold your brake down and cycle your lights all the way on and off 3 times in a row.

21 – Once you have verified that the light is functioning correctly reinstall your rear bumper and trunk interior in the reverse order you removed it. Using the included zip ties, (8), to tie up the wire harness out of the way. Your install is now complete!