

LG G5 STRUT TOWER BRACE GEN 5 CAMARO

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Thank you for purchasing LG Motorsports products for your Gen 5 Camaro.



Parts Inventory:

1. Strut Tower Brace
2. Middle firewall brace
3. Driver side tower mount
4. Passenger side tower mount
5. (8) 5/16 x 18 x 1.25" bolts
6. (4) 5/16 x 18 x 1.00" bolts
7. (12) 5/16 x 18 nylock nuts
8. (2) 10 x 1.5mm nylock nuts
9. (1) 10 x 1.5 x 25mm bolt
10. (3) 10mm washer
11. (24) 5 /16 washer

Instructions:

Install

We will start the install by removing some items to gain clearance to drill into the firewall of the car. You will need to remove the factory engine cover, wiper arms, as well as the wiper cowling as you will be required to drill two mounting locations into the firewall. The wipers will need to be un-bolted, the cowling is held in with the plastic GM push pins so be careful not to break them when removing as you will be re-using these. Removal of the front wheels at this time will also make install of the brace mounts much easier to the strut towers.

Once the items have been removed and you have access to the firewall you will lay the bar on the car to start the mock up for the first two holes needing to be drilled. The passenger side of the bar will need to be routed through two of the ABS lines as shown in figure 1. Once the bar is roughly located onto the car you will make your marks to drill the two holes for the studs into the firewall. These are 10mm studs, to make it easier to locate use a 7/16" drill bit for the two studs. You can use the firewall backing plate as your drill template.



Figure 1: Strut tower running through the ABS box

Once the holes are drilled for the firewall plate loosely place the 10mm bolts, washers, firewall support and nuts onto the firewall. Then you will slide over each side mount onto the brace using the supplied 5/16" x 1.25" bolts and this will make the template for the holes that will need to be drilled into the strut towers.

After the holes are drilled for each side mount, clean the drilled holes and bolt into place using the supplied 5/16" hardware. The top bolt hole locations will use the longer 1.25" bolts, while the bottom holes will use the shorter 1" bolts.



Figure 2: Driver side tower mount



Figure 3: Passenger mount and ABS lines

Once all holes have been drilled and located. Start by securing the firewall bolts first then the strut tower bolts, and finally the strut tower mounts to the brace. All hardware is nylock so no thread lock is required.

