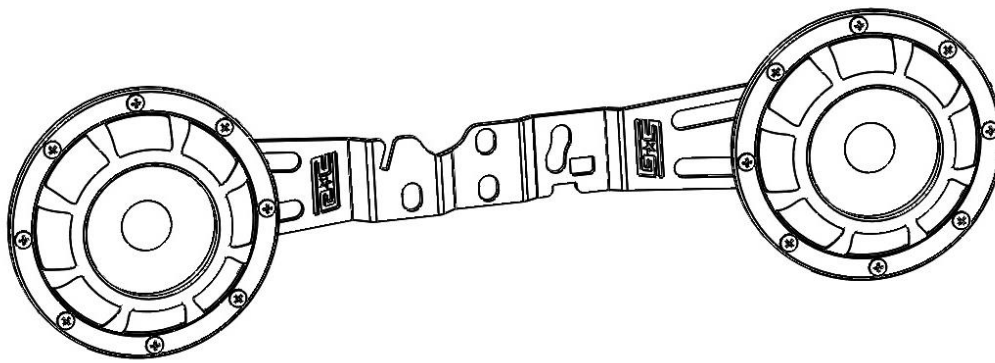




GrimmSpeed Install Guide Series
Installing the GrimmSpeed 08-14 WRX/STI BroTie
Hella Horn Bracket and Wiring Harness



Introduction: This guide will illustrate the installation of the GrimmSpeed BroTie Horn Bracket on an 08-14 WRX/STI. The difficulty here is **easy**, so take your time and enjoy the job! Because some models require the removal of the front bumper, expect to spend **45-60min**, depending on your level of experience.

Tools: The tools listed below are suggested for this task. Optional tools are noted.

- Flathead and Philips Screwdriver
- 10mm, 12mm, 14mm Sockets
- 3/8in Ratchet

Tips: Take your time removing your front bumper, if necessary, and use caution when testing the horns, as they're extremely loud. Keep bumper clips for each part of the bumper separate, to remember which clips go where.

Procedure Part 1 (Bumper Removal):

1. Begin by collecting your tools and popping your hood.
2. We'll start by removing the front bumper to gain access to the core support and OEM horn harness. Locate and remove the four (4) large plastic pop clips that hold

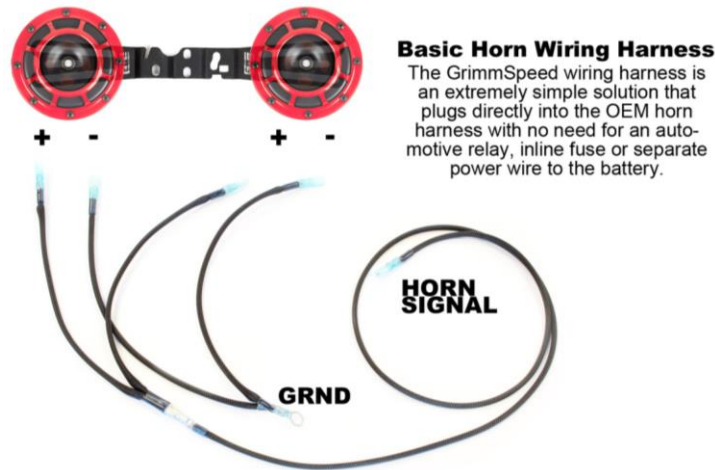
the top of the bumper to the core support. A flathead screwdriver will pop the center of the clip up for easy removal.

3. Next, on the driver's side, locate the four clips holding the bumper to the fender (1) and fender liner (3). Hold the outside of the clip from rotating and use a philips screwdriver to 'unscrew' the center portion. You don't need to remove it all the way, just until you feel the clip loosen enough for removal.
4. Repeat this procedure on the passenger's side of the vehicle.
5. You may be able to access the clips below the bumper without raising the vehicle, depending on your ride height. If not, raise the front end of the vehicle using jack/jackstands or ramps. A couple of wide boards will work as well.
6. Locate the six (6) clips around the edge of the bumper and starting from one side, remove each of them. Use caution not to break the clips, as sand, salt and road debris can cause them to be tighter and more brittle than when new.
7. With these clips removed, the bumper can now be removed. It's helpful to have a second set of hands here, although it can be done alone. At each end of the bumper, where it meets your headlight/fender, pull away from the car to release the tension clips holding it on.
8. If your vehicle is equipped with fog lights, be sure to disconnect these harnesses before pulling the bumper too far from the vehicle.

Procedure Part 2 (Horn Bracket Installation):

1. Next, we'll prepare our Hella Horns for installation. Remove the small black brackets from the back of each hella horn. These can be stubborn sometimes and we've found that putting the brackets in a vise will ease in removal of the 14mm bolt on the rear of the horn. We will not be reusing those brackets.
2. Now, remove the bolt holding the OEM horn to the center beam, disconnect the wiring connector and set aside.
3. Remove the bolt in the center of the center beam, just below the hood latch.
4. Hold the BroTie in place on the center beam and determine which orientation works best for your vehicle. Once you've identified which side faces forward, make a note of it and return to your workbench to install the horns.
5. Using the 14mm bolts supplied with the horns, attach the horns to each side of the bracket. Each side of the bracket has three slotted mounting features for maximum adjustability. You may choose to make changes to the mounting location after you replace the bumper and see where they sit within the grill, so plan accordingly.
6. Finally, using the supplied hardware, bolt the BroTie/Horn assembly to the center beam. You should be able to use two of the three provided bolts for firm mounting that will not rotate with vibration. Do not tighten these fully, yet.

Procedure Part 3 (Wiring):



1. With the horns and BroTie in place, it's time to begin wiring. For the 02-14 WRX/STI, the factory horn connects to the harness with a single positive lead, so in the GrimmSpeed wiring kit, two small harnesses are included. Select the harness that has a ring terminal on the end.
2. Remove the center bolt that holds the BroTie to your car, place the bolt through the ring terminal and then reinstall the bolt. This provides the ground path for your horns, through the bolt and into the chassis. You can now tighten both bolts.
3. On the harness that was just connected, push each of the female terminals over one spade connector on each horn. Polarity isn't important. On some cars, you may need to bend the spade terminals on the horns down a bit for easy fitment, depending on where you've placed the horns.
4. Next, use the longer harness and connect each of the two female terminals to the remaining spade connector on each horn. The other end of this harness has a shielded male terminal. This should fit snugly over the factory horn connector. If your factory connector has irregularities from the molding process, you may need to trim back the shielding, which will not cause issues.
5. Finally, test the horns! Be sure that nobody is in front of the car (even as a joke!), as the horns can be extremely loud. If everything is working well, ensure that the harnesses are tucked away nicely and then go ahead and reinstall your front bumper in reverse order from Part 1.

That's it! You should be all set to go. Check the assembly periodically to make sure everything is still snug.