

# **3MR** FABRICATION

## STRUT TOWER BRACE

STB012 – 2008-PRESENT PONTIAC G8

### Tools required:

- 3/8" drive ratchet
- 10mm socket
- 13mm socket
- 9/16" socket
- 10mm wrench
- 9/16" wrench
- 7mm nut driver



### Installation:

1. Using a 7mm socket or nut driver, loosen the hose clamp on the air filter housing where it attaches to the mass airflow sensor. (IMAGE 1)
2. Release the 5 clips that retain the upper portion of the air cleaner housing. Remove the air filter and the upper housing and set aside.
3. Using a 10mm socket, loosen and remove the two nuts that retain the lower air filter housing. Remove the housing. (IMAGE 2)
4. Using a 13mm socket, remove the bolt located on the backside of the positive battery terminal retention bracket. (IMAGE 3)
5. Position the cable and bracket assembly aside, out of the work area as shown. (IMAGE 4)
6. Move over to the passenger side and, using a 10mm wrench, remove the two nuts that retain the ABS unit. (IMAGE 5)
7. Unclip the brake line retainer as shown. (IMAGE 6)
8. Unclip the ABS harness as shown. There is a lever on the harness that releases the harness clip. It is down in the locked position and up in the released position. (IMAGE 7 – next page)





9. Unplug the harness and position it forward, out of the way. *NOTE: do not turn the ignition key while this harness is unplugged. Doing so will set an ABS code that requires dealer service to clear the code.*

10. Pull up on the ABS unit to gain access to the mount below. *NOTE: The unit only needs to be lifted approximately 1/2" – 3/4" to gain access to the bolt holes underneath the ABS unit.*



11. Position the BMR strut tower brace into place, first sliding the passenger side under the ABS unit, then the drivers' side down over the strut tower bracket.

12. Insert the provided 3/8" x 3/4" bolts into the passenger side holes first. Position the threaded backing plate (provided with your strut tower brace) under the mount from the backside and finger tighten the bolts from above. *NOTE: Accessibility is very limited in this area. It may be necessary to remove the ground strap that is bolted to the bracket directly under the ABS and/or reposition the ABS harness to gain access. This bolt can be removed using a 13mm stubby wrench or small ratchet. (IMAGE 8)*



13. Insert the provided 3/8" x 3/4" bolt, nut, and washer into the drivers' side upper bolt hole. (IMAGE 9) Tighten using a 9/16" wrench and 9/16" socket.



14. Re-position the positive battery cable and bracket and insert the factory bolt. Tighten with the 13mm socket.

15. Re-install the air filter lower housing and tighten the two 10mm nuts. Replace the air filter and upper air filter housing. Re-connect the mass airflow sensor to the air box and verify that the seal is secure. Tighten clamp.

16. Proceed to the other side. Tighten the two 9/16" head bolts on the passenger side using an open end combination wrench.



17. Plug the ABS harness back into the ABS unit and secure it by sliding the lever down.
18. Push the ABS unit back down into the proper position and re-install the two 10mm nuts. Tighten.
19. Clip the brake lines back into position.



*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any caused to the vehicle/person during installation or use of this product.*