



AAM Competition R35 GT-R 90mm Premium Exhaust w/ Titanium Tips



INSTALLATION INSTRUCTIONS

(DESIGNED FOR ONLINE USE AND COLOR PRINTING)

****Photos are of prototype exhaust system – production systems look slightly different****

*****WARNING: PRODUCT(S) ARE DESIGNED FOR OFF-ROAD / COMPETITION USE ONLY*****

Read all directions before attempting installation. This product requires above average mechanical ability to install properly, professional installation recommended. Installation requires appropriate tools for proper installation of this kit. As with all mechanical projects, take appropriate precautions for your personal safety and for the proper care and treatment of the vehicle being serviced. AAM Competition, LLC offers no warranty and accepts no liability caused by improper installation, modification and/or use of this product. Installation may void factory's manufacturer's warranty. Contact AAM Competition LLC or an authorized Dealer with questions or problems regarding this product. When removing Stock/OEM parts read and follow the factory service manual for proper procedures. *Copyright AAM Competition, LLC 2018*



Tools Needed:

- 3/8" Drive Ratchet & Extension
- Screwdriver
- Electrical Crimp Tool
- 12mm Socket
- 14mm Socket
- Trim Clip Removal Tool
- Wrenches
- Blade/Knife

Included Parts:

Description	Quantity
Exhaust Muffler Section	1
Exhaust Post Pipe Section	1
3/8" Flat Washer	4
3/8"-16 x 1.5" Socket Head Cap Screw	2
3/8" x 16 Hex Serrated Nut	2
Exhaust Tip Clamps	4
Exhaust Tips	4
3.5" SS 2-bolt Gasket	1
SS V-Band Flange 3.5" OD	1
7/16" ID x 7/8" OD, 3/16" thick Extra Thick Flat Washer	4

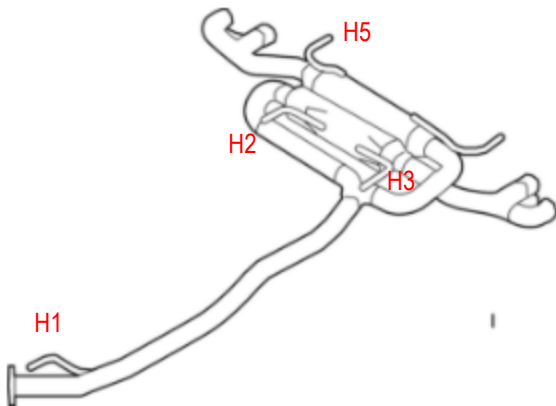
WARNING: USE OF POWER TOOLS DURING INSTALLATION MAY CAUSE DAMAGE. WE RECOMMEND THE USE OF HAND TOOLS ONLY DURING INSTALLATION.

Note: "Left Side" and "Right Side" of vehicle is from the perspective of sitting in the driver seat of the vehicle and looking forward

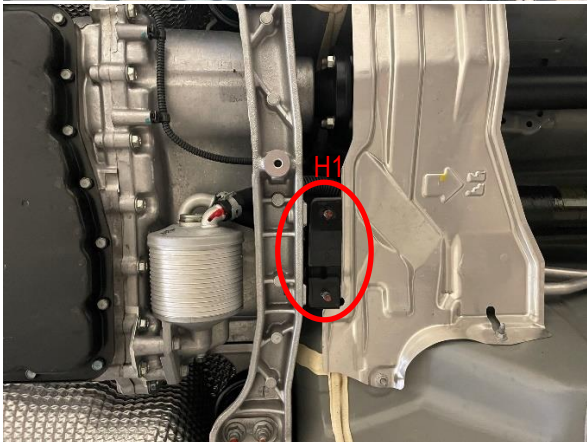
Installation

Steps 1-5 Removal of factory exhaust and installation of new exhaust

- 1.** Remove the factory rear exhaust system, unbolt hanger brackets from car at all 5 hanger locations, shown below:



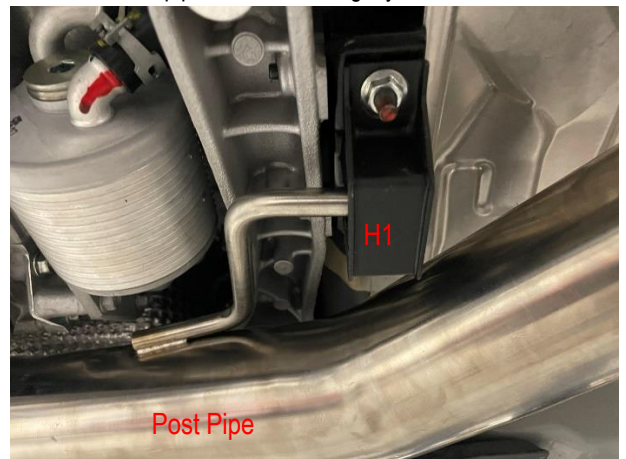
Use an under-hoist support stand to help hold the exhaust.



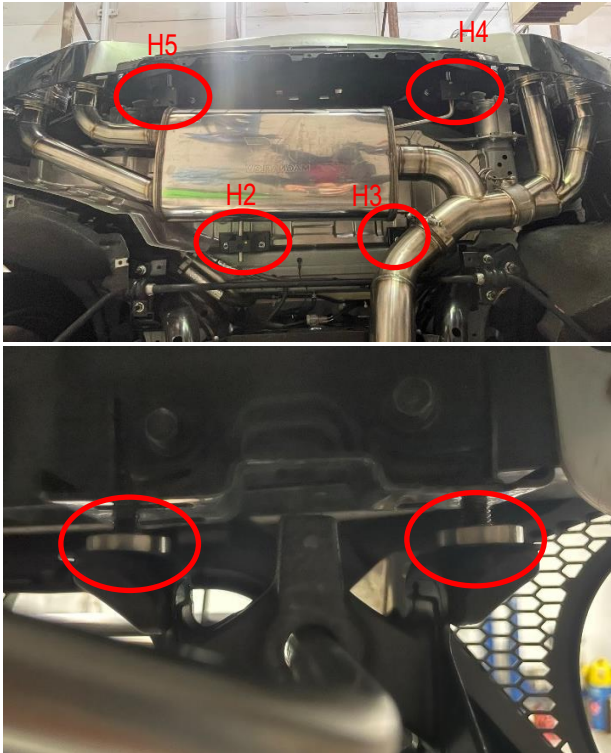
2. Remove the hanger bracket mounts from the stock exhaust hangers. Re-install the hanger bracket mounts on the new AAM exhaust. Ensure the hangers bracket mounts are installed on the correct hanger and they are oriented properly. (Each hanger bracket mount has an arrow indicating the orientation to be installed towards the car.



3. Install the AAM Competition Post Pipe as shown below. Mount the hanger bracket back to its location marked H1 in the pictures above. Use the supplied bolts, nuts and washers (two bolts and nuts per side, four washers per side) to attach the post pipe to the GT-R's mid-pipe. Leave this slightly loose for now.



4. Install the AAM Competition muffler section. Bolt the 4 hanger bracket mounts back to their respective stud locations on the car. Add the supplied spacers between the studs and the hanger bracket mounts to ensure proper fitment of the exhaust tips. Use an under hoist support stand to help hold the exhaust.



- 5.** Use the supplied V-Band clamp to connect the post pipe to the muffler section. Do not fully tighten yet.



- 6.** Slide the four supplied clamps onto the four exhaust tips. Slide the four exhaust tips onto the muffler. Do not tighten yet.
- 7.** Adjust the exhaust for best fitment and tighten both the two bolts at the front of the post pipe and the V-Band clamp connecting the muffler and post pipe.
- 8.** Adjust the exhaust tips as desired, tighten the exhaust tip clamps to secure the exhaust tips to the exhaust.



Steps 9 – 28 Installation of the Vacuum Generator Pump

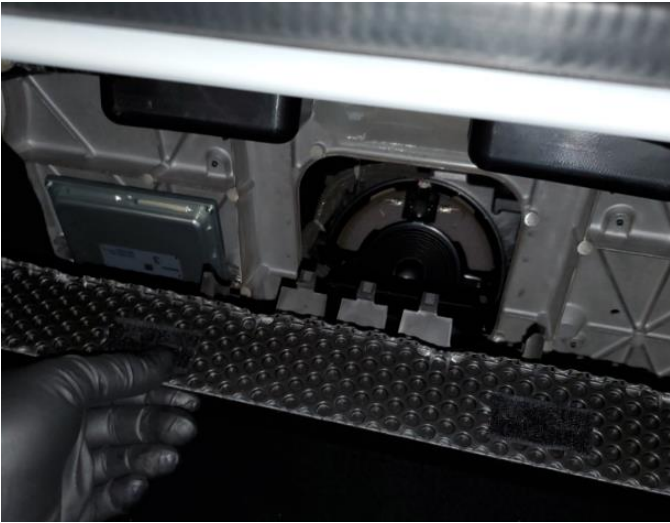
- 9.** Remove the upper trunk trim panel (remove the one luggage clip in the middle and two side pull pin fasteners):





10. Pull the side clips and remove the panel with the Velcro:





11. Remove the styrofoam section at the forward section of the trunk and cut it as follows:



12. Remove the rear trunk panel:

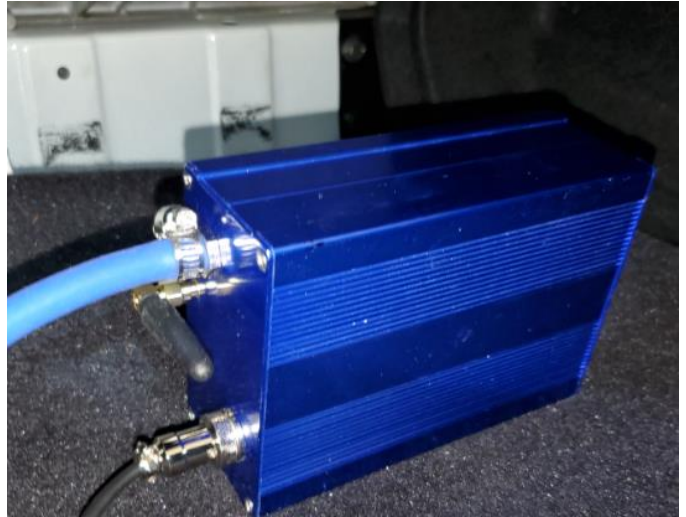




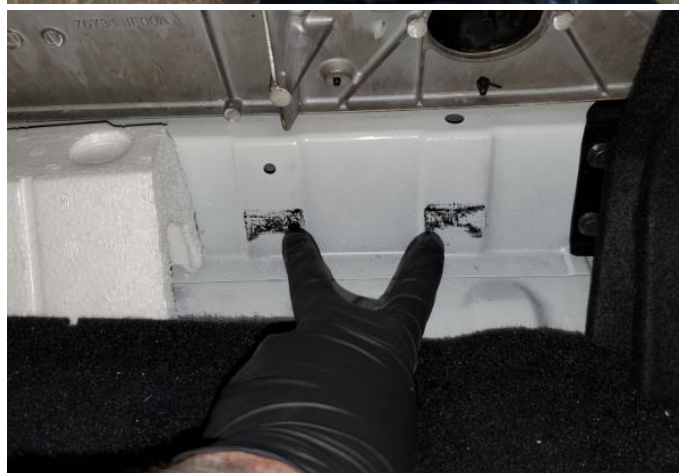
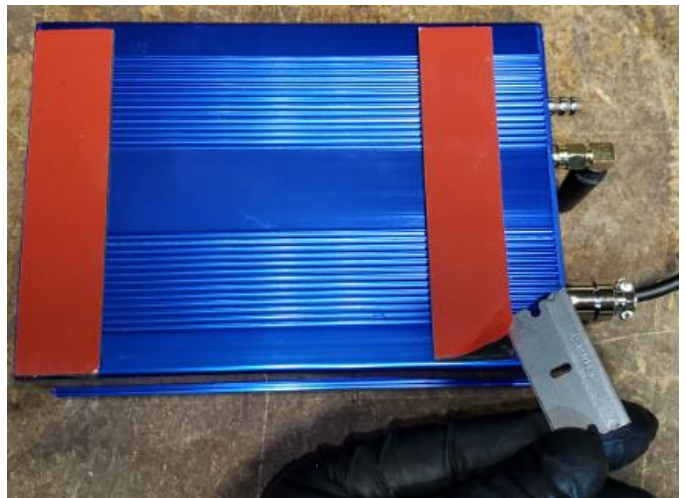
- 13.** Pull back rear carpet on driver side to expose the grommet. Pull out the rubber grommet and cut a small slit in the rubber grommet:

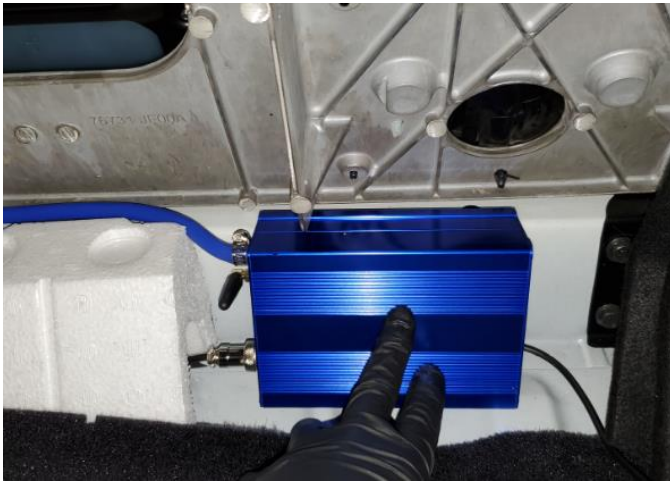


- 14.** Connect the antenna, vacuum line, and power cable to the vacuum generator as shown:



- 15.** Apply the double-sided tape to the vacuum generator as follows and install as shown:





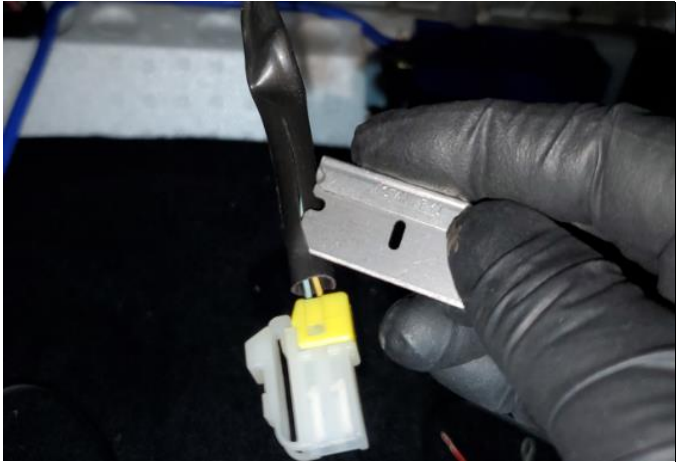
- 16.** Remove the dome light clip and pull harness to expose power source.



- 17.** Pull and remove harness through circular hole, to allow you to connect the power supply as shown:



- 18.** Open the wire loom to expose the yellow power wire and utilize the included connector to connect the red and yellow wires as shown):



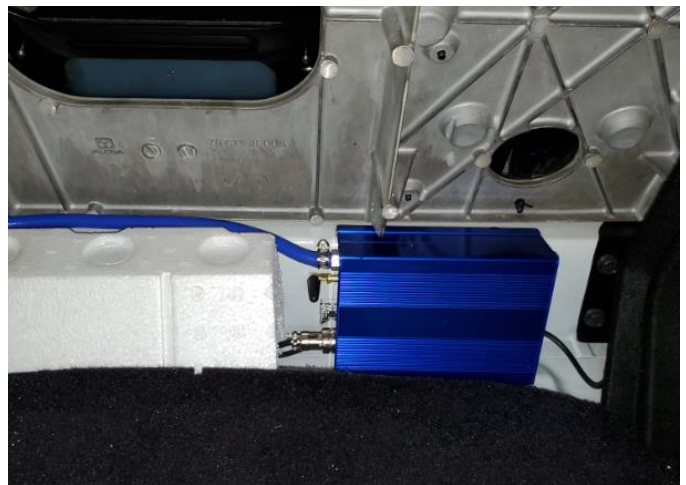
19. Use a fish wire (such as a coat hanger) to pull the wire back through the round hole to the rectangular style hole:



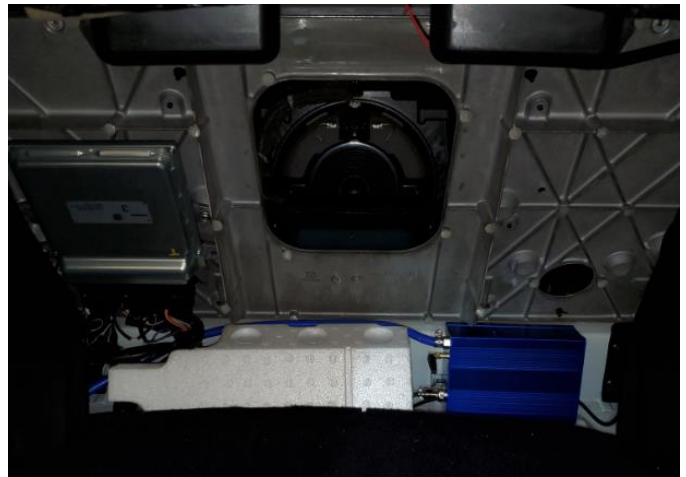
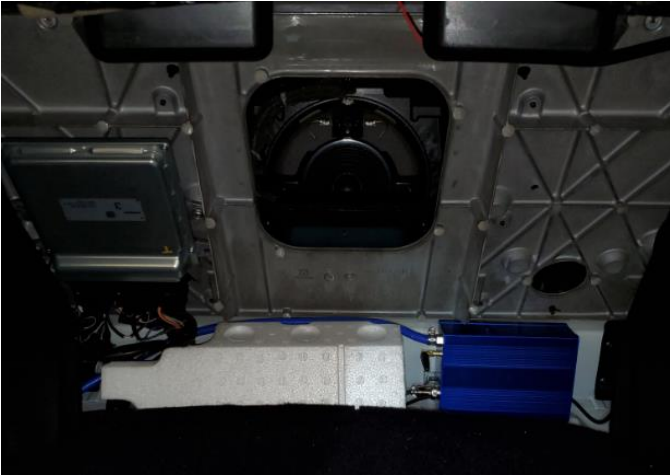
20. Install ground on stud as shown:



22. Run vacuum line as shown, through the modified grommet and underneath the GT-R to the exhaust actuator:



21. Tuck excess harness behind passenger side trunk trim:



23. Run the vacuum line to the actuator can attached to the exhaust (driver side). Use electric tape or any tape as cushion for any areas the floor pan, or body of the car might sever the vacuum line.

24. Secure the vacuum line with tie wraps.

25. Before the interior panels are re-installed, test the electrical connections. Take the exhaust key fob and click on the "On" button. The vacuum generator should run for 2 to 3 seconds, and the actuator on the exhaust will move (opens the internal valve). After fifteen seconds, hit the "Off" button on the key fob, and the valve should return to its closed position. This means everything is installed correctly and functioning properly. If the



pump continues to run (does not turn off after the “On” button is pressed after 2 to 5 seconds, this means that there may be an air leak, which needs to be fixed).

26. Now that the system is verified to be wired and installed correctly, re-install all the trunk paneling, Styrofoam, and liner(s).

27. Visually inspect installation of all components and ensure everything is reinstalled correctly and connected.

28. Start vehicle and verify that there are no exhaust leaks; **If an exhaust leak is found, rectify the issue and repeat this step until no leaks are present**

Congratulations!

**You have successfully installed the AAM Competition GT-R
Premium Adjustable Exhaust System - Enjoy!**