

Plazmaman GTR 35 IC kit

Instruction manual

This Intercooler kit was designed to be used with an aftermarket air intake, factory air intake boxes will not fit.

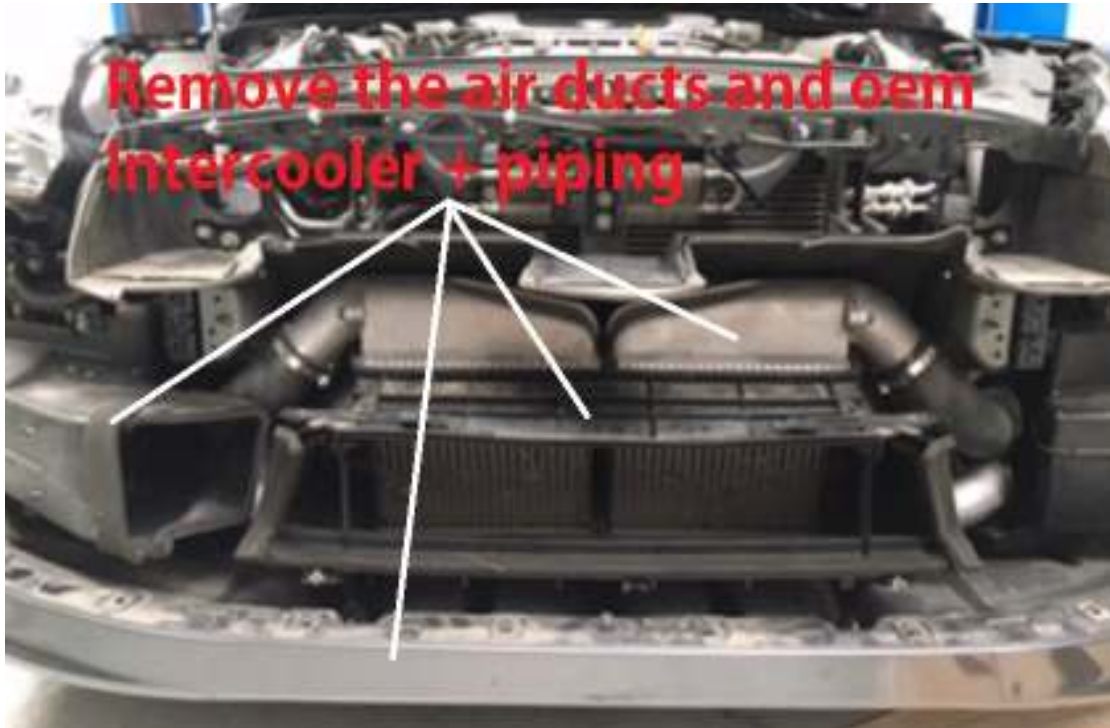
TOOLS REQUIRED

- Screwdriver set (mid size flat and star head)
- 3/8 socket set (8,10,12,13,14mm sockets)
- 3/8 ratchet
- 3/8 4 inch extension
- Ring spanners (8,10,12,13mm)
- 8mm hose clamp tool or screwdriver
- Nut-sert gun
- Adjustable spanner/shifter
- Drill
- 8mm and 9.5mm drill bit
- Pliers/multi-grips
- Vehicle jack
- X2 vehicle safety stands
- Patience

1. Jack the front end of the vehicle off the ground. A vehicle hoist can also be used. For safety use jack stands in both front corners to secure vehicle.
2. Carefully pull the front bar and lower stone tray off the vehicle, the aluminium crash bar and then remove the Intercooler air ducts. **YOU WILL HAVE TO DRILL THROUGH x4 ALUMINIUM RIVETS (2 each side) TO REMOVE THE Intercooler air ducts** on majority of models. (see below picture).



3. Then remove the factory Air intakes, Intercooler piping and factory Intercooler. You will be reusing the OEM Intercooler mounting locations and Bolts. DO NOT MISPLACE THESE.



4. **AIR DUCT RE INSTALLATION PROCESS**– The Plazmaman GTR35 Intercooler kit takes full advantage of re-using the OEM factory air ducts. Since the RIVETS were drilled out to remove the air ducts, you must now reinstall some M6 NUT-SERTS that we supply - X4 in total. You will require a NUT-SERT tool for this.

AT THIS STAGE DO NOT INSTALL THE AIR DUCT.

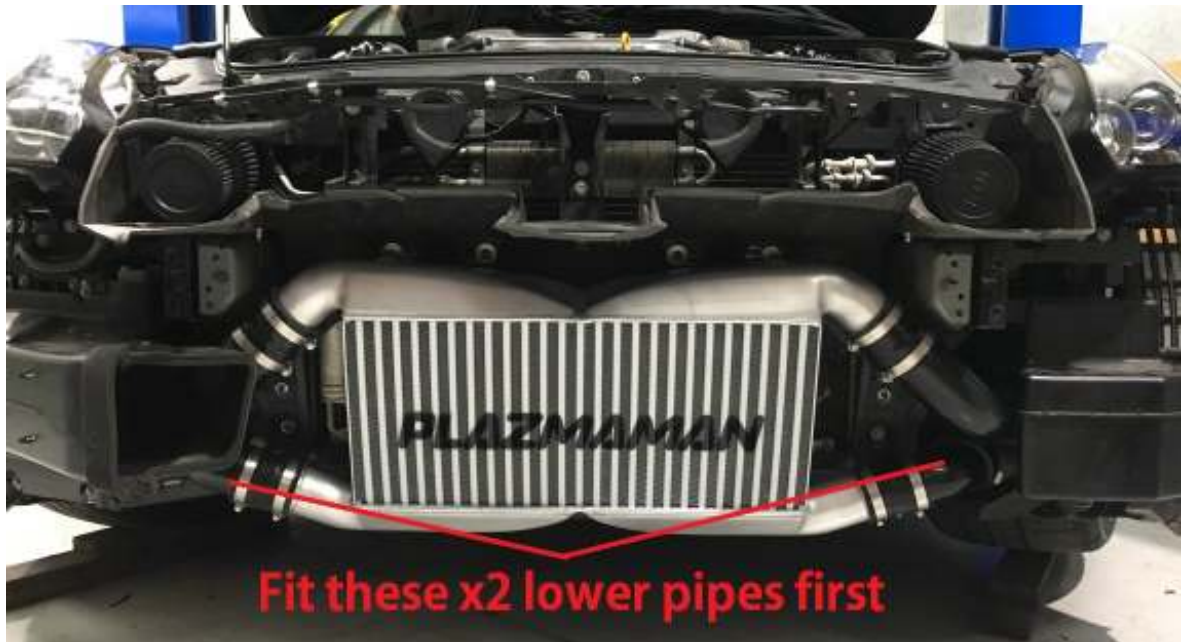


5. The NEW Plazmaman intercooler bolts direct into the existing factory OEM mounting Lug positions using the [Original bolts](#).

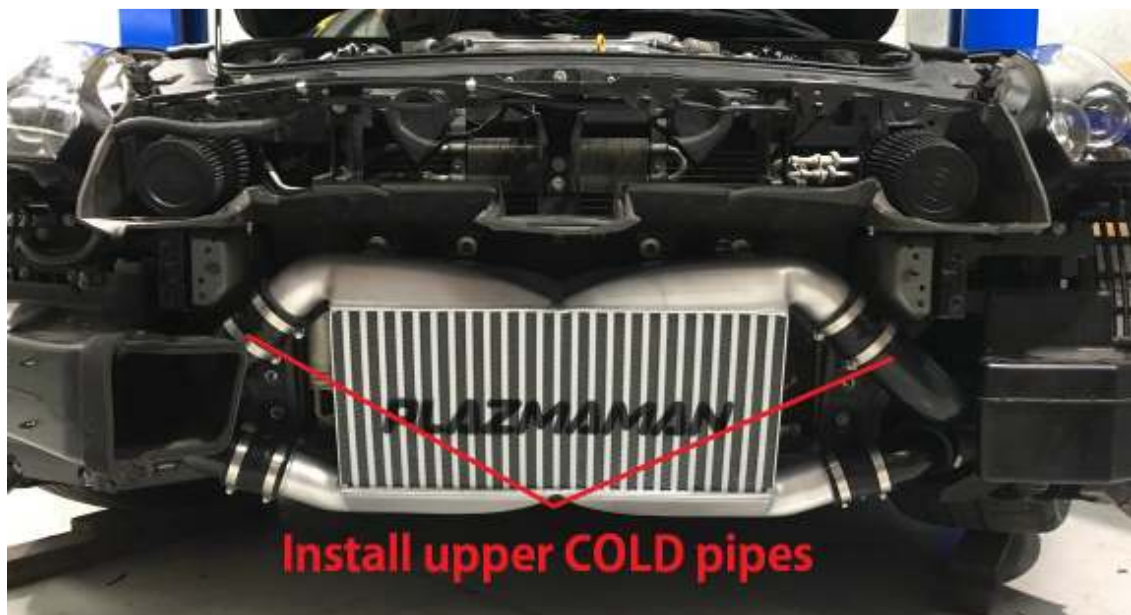
1... The top bolts in from behind the cooler (x2 bolts)

2... The bottom bolts in from the bottom (X2 bolts)

6. Next step is to install the piping. With the Intercooler being a slightly different design to the OEM item, first you have to bolt in the 2 lower adapter pipes – THE FLARED END FITS INTO THE TURBO HOSE , and the SMALLER 63mm end joins to the Intercooler. Add x1 lower pipe each side.



7. Second part of the piping installation is the addition of the COLD SIDE upper pipes. As per the below pictures, each side is a different shape, please check/test fit carefully so not to scratch the parts.



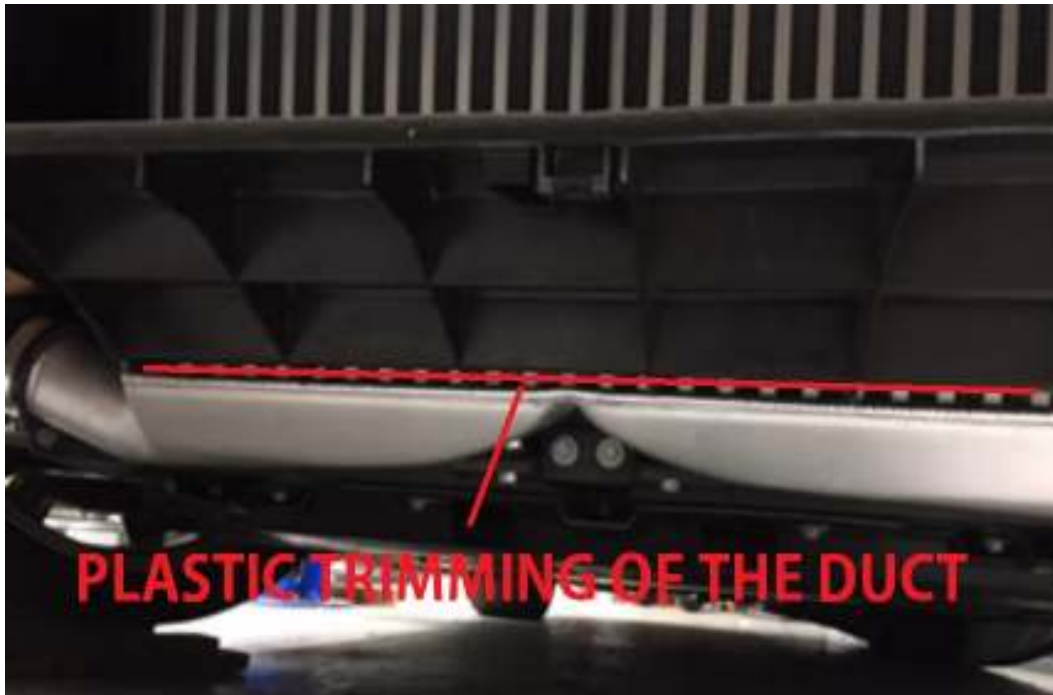


8. Once the upper piping has been installed via the intended route, now you must refit the OEM BOVs, including the plumb-back hoses, or if you have aftermarket items, they must be fitted as per normal BOV operation design. Add the BOV vacuum hoses to the BOVs. Next install both the sensors in either pipe as per below picture. Plug in the loom plugs to each sensor once mounted.



9. Once all the pipes have been installed as per normal route, you must TIGHEN ALL HOSE CLAMPS, TAKING INTO ACCOUNT THAT THE PIPING SHOULD BE PUT IN A WAY AS NOT TO RUB AGAINST ANYTHING.

10. **TRIMMING THE AIR DUCT** – In order to bolt in the OEM Air duct, it will require some minor trimming of the lower lip – approx. 10-15mm depending on the year model of the vehicle. **WE RECOMMEND SLOWLY TRIMMING AND TEST FITTING UNTIL DUCT FITS PERFECTLY BACK INTO POSITION WITH ONLY MINIMAL CUTTING.** On the early model GTRs, the foam around the duct area was soft foam, it was easy to push the ducts into place and bolt in. On the later model GTRs, they went to a harder rubber/foam material – a bit more trimming and/or firmer pushing into place will be required.



11. Reinstall CRASH BAR TO VEHICLE.



12. Refit the FRONT BAR and LOWER STONE TRAY.

13. Start Vehicle and check for air leaks and rattle noises. IF ANY OF THIS OCCURS YOU MUST FIND THE PROBLEM BEFORE YOU PROCEED TO DRIVE VEHICLE. Once you are convinced all is OK, proceed to test drive the vehicle. **Check and re-tension the stainless hose clamps once a heat cycle has been done.**

IF YOU HAVE ANY QUESTIONS OR PROBLEMS, PLEASE CONTACT YOUR SUPPLIER OR PLAZMAMAN DIRECT VIA ONE OF THE MANY CHANNELS WE HAVE AVAILABLE – EMAIL, FACEBOOK OR PHONE

CALL. 61 2 97251728 – sales@plazmaman.com

GTR 35 IC Kit – Picking list

- GTR Intercooler
- Sticker
- Instruction manual

IF PIPING KIT ONLY (all the below)

- 6 Pipes (see diagram)
- **X2 BC2 70mm Pipes – must weld BOV and air temp fitting**
- **X2 BC1 70mm pipes**
- **X2 lower IC adapter pipes – 63mm flared to 70mm**
- **X4 M6 nut-serts**

SILICONES

- X4 70mm str silicone
- X2 63mm str silicone
- X2 70-63mm str reducer

CLAMPS

- X6 40
- X10 44

Signed/QC _____