



R53 INTAKE MANIFOLD. Installation Manual.

Warranty terms and conditions:

The kit is covered by up to two years warranty*. Failing to complain with the terms and conditions will void your warranty.

*Two years warranty is available **ONLY** for the kits that are installed by TPE Precision.

The kit comes with one year warranty if it is installed by a specialized (on MINIs) garage shop.

In case of a warranty claim, customer **has to provide the installation receipt and authorized dealer receipt**, photos and videos that clearly indicates the damage and logs (if asked).

DIY installations are not covered by our warranty.

Used products are not covered by our warranty or products that are not bought by our authorized dealer network.

Any type of modification on the manifold will void your warranty.

The kit is designed to work **with an original spec car.**

If any part of the engine bay that is direct connected with the installation or the operation of the kit is altered, then the warranty is not valid.

If you do not use the provided silicone grease and orings your kit will not be covered by warranty.

Damage to the manifold, due to incorrect intercooler installation or aftermarket intercoolers will not be covered by warranty.

TPE Precision has no responsibility for stolen products after the signed courier documents.

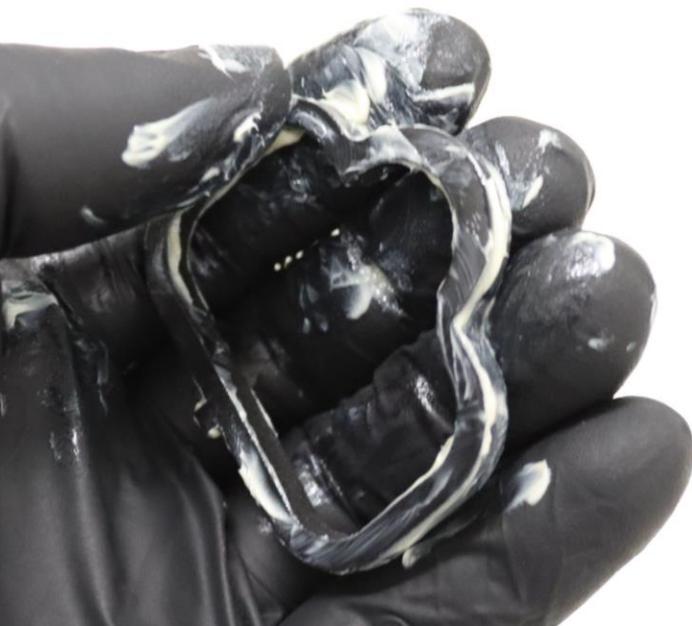
Installation cost is not covered by warranty.

The above can change without notice.

This is NOT a step-by-step manual. Do not try to install the kit if you are not a trained MINI mechanic. DIY installations are not covered by warranty.



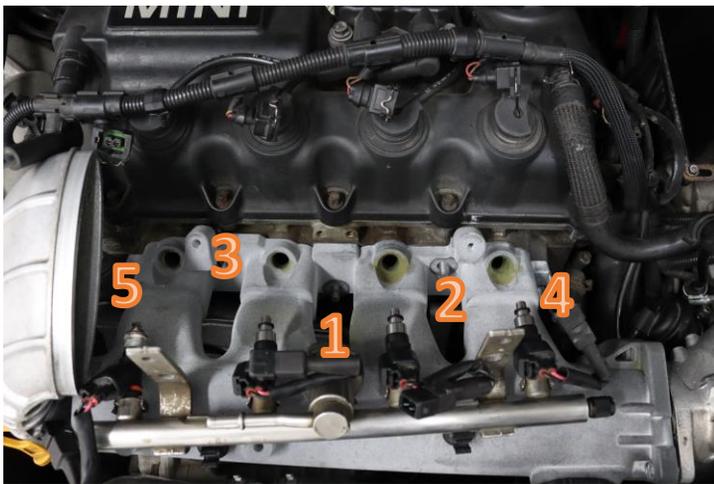
1. Disconnect the battery, remove the intercooler and original intake manifold.



2. In the kit you will find a syringe that contains 5ml of high temp silicone grease. Please apply to all seals before installing them on the manifold. Just spread the silicone grease with your hand all over the seals, as in the photos above.



3. Remove the original injectors orings and install the orings that are provided with the kit. Apply silicone grease as in previous step.



4. Connect the fuel rail vacuum take-off to the intake manifold. Do not bolt the fuel rail yet. Install the intake manifold. Tight the bolts following the numbers in the picture above. Use medium strength threadlocker to all studs. For this step you will reuse the original nuts.



5. Apply a layer of silicone grease in all four injectors holes.



5. Tight down the fuel rail.

DO NOT over torque the fuel rail bolts, as this might damage the integrated manifold brackets.

Use medium thread lock in the fuel rail bolts.

*Injectors will fit correctly only when you tight down the fuel rail.

MAKE SURE you use the provided orings.

Provided orings: 7,5 mm internal diameter with 3,5 thickness, material Viton.

6. Reconnect the injectors, fuel rail main line, the grey vacuum line that connects to the supercharger and the black one that connects to the rubber intake pipe.

7. Add thread lock in the three intercooler horn bolts. Make sure the bolts align correctly. Over torquing one side might affect sealing.

8. Install the intercooler. The TPE Precision intake manifold does not have provision for the two original intercooler brackets in the back of the cooler, as most aftermarket coolers do not utilize them.

9. Add silicone grease at the MAP sensor orings before installing.

10. Reconnect the battery and start the car.

*Your fuel air mixture might be affected. To maximize gains you will need retune.