***Torque Master Boost Actuator Kit Patrol 3.0Ltr***

Please take your time installing this kit

The motor must be cold before installation begins.

Tools

* 10mm spanner
* Hook tool
* 8mm drill bit
* 1/8 bsp tap
* Tread sealant
* 7mm socket and 12mm

**Part 1.**

Pull the silicone hose off and move it out of the way (we won’t be using this pipe anymore)



**Part 2.**

Cut the factory vacuum line back

Zip tie the factory line closed so nothing can be sucked into it



**Part 3.**

Undo the 2 10mm nuts



Remove the circlip with the hook tool or a tool you find easy to use to do this task

**Part 4.**

Pull the actuator up and forward to get it out



**Part 5.**

Remove the engine cover



Remove the intercooler

4x 12mm bolts

2x 7mm hose clamps

Carefully unplug the map sensor

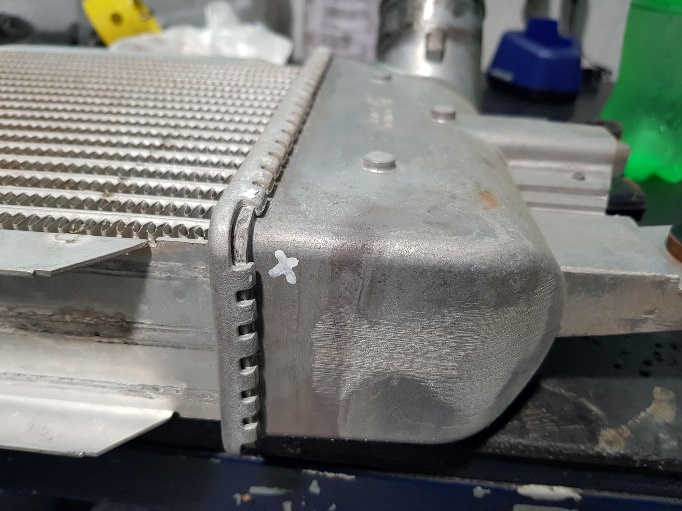
If using the boost adaptor unbolt the map sensor and put it in between the intercooler and map sensor



**Part 6.**

Drill into the intercooler with the 8mm

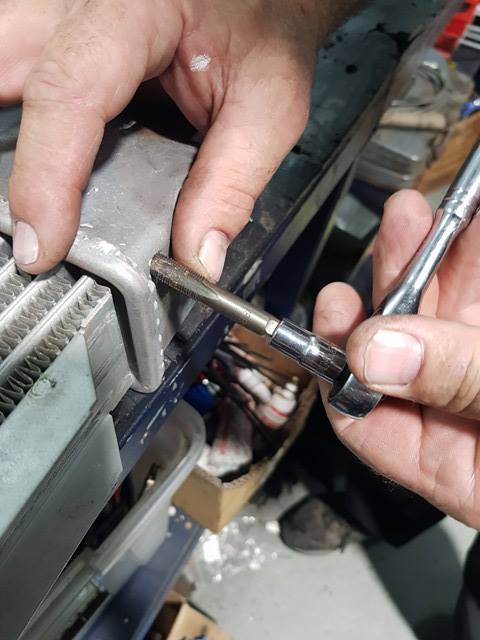
Please drill in the same place as shown

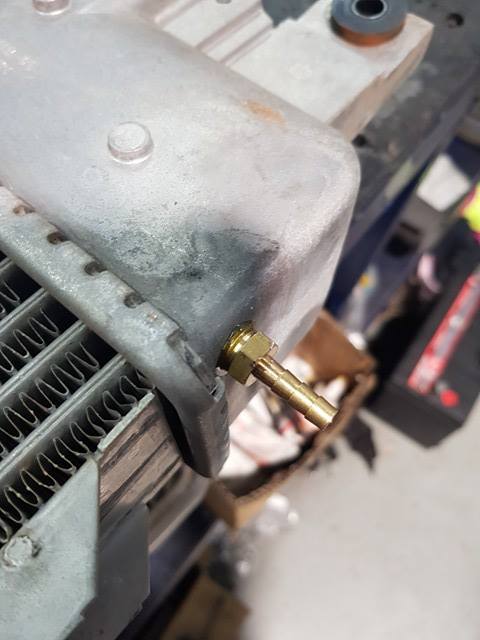




**Part 7.**

Tap with the 1/8 BSP tap into the area shown in the photo on the intercooler



Put tread sealant onto brass fitting and fit it into the intercooler 

**Part 8.**

Clean the intercooler pipe where the intercooler goes

Also clean the intercooler ends to make sure that you remove all the oil residue off

NOT DOING THIS CORRECTLY CAN AND WILL BLOW THE INTERCOOLER HOSE OFF  Like this please

**Part 9.**

Get the Torque Master Actuator and fit the tail on the end of the shaft 

**Part 10.**

Fit the actuator onto the factory bracket on the turbo



Put the new 10mm nuts on the bottom and do up tight

Once Nuts are tight screw the tail all the way up on the VNT arm on the turbo until it hits the starter/stopper screw



**Part 11.**

Tighten the lock nut to the top of the tail to stop it from moving



**Part 12.**

Fit the intercooler back onto the car



**Part 13.**

Fit the silicone hose from the intercooler to the Torque Master Actuator. ZIP TIE BOTH ENDS

Boost line should have nothing T’d into it like a boost gauge



**Part 14.**

Refit the Engine Cover

You are all done now

Please test drive slowly and let it come on boost slowly

Once you are happy with everything go for a good drive

**Troubleshooting?**

* Laggy to come on Boost: Check to make sure the Tail is all the way up and tight
* Boost spiking: have you got a boost gauge or something else T’d into the silicone for the actuator

Any questions please call

(07) 49530040

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Thanks For your Business