



## HYUNDAI i30N FMBP4 FITTING INSTRUCTIONS

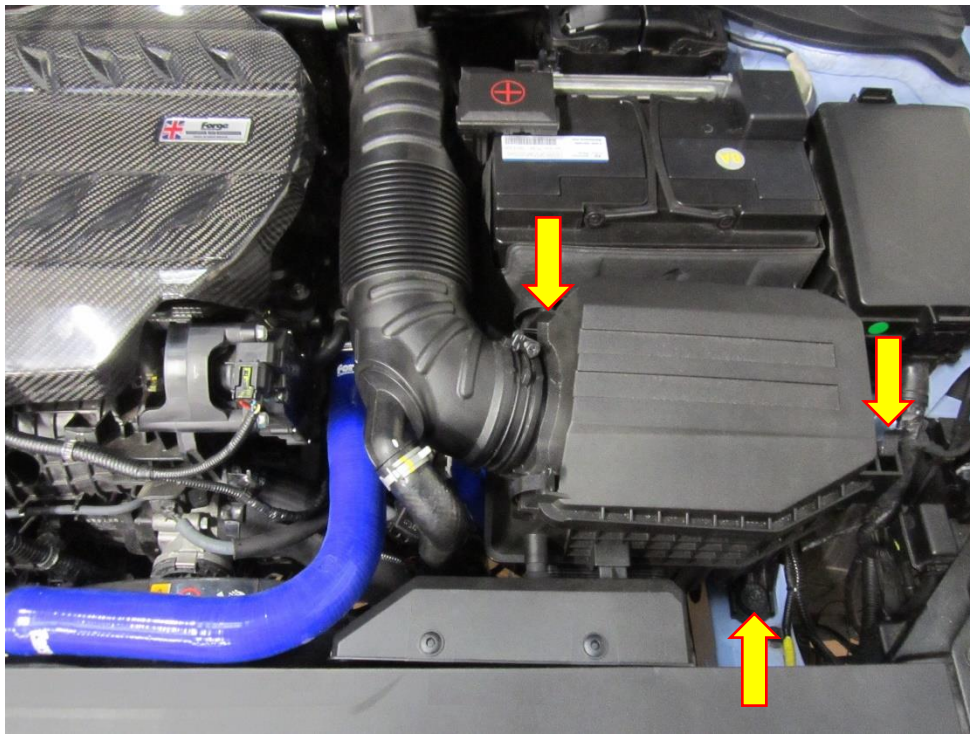


**Please thoroughly read through and familiarise yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.**

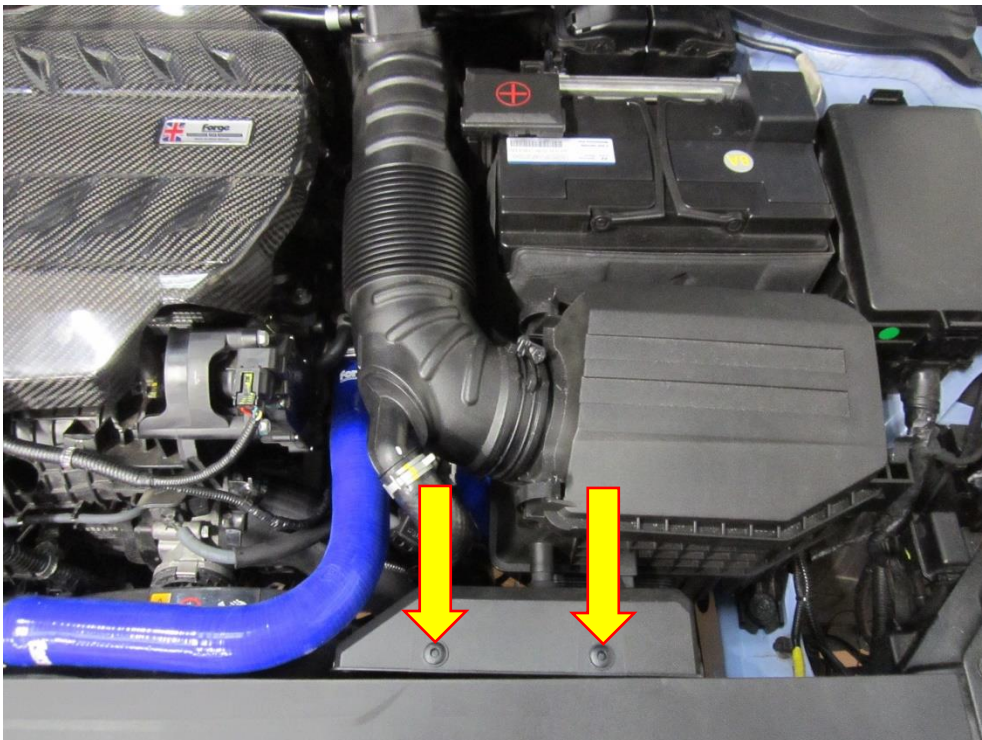
### **TOOLS NEEDED:**

7/8/10mm socket with extension  
Flat bladed screwdriver/Trim Removal Tool  
Spring Clip Removal tool/Long nose pliers  
Side cutters

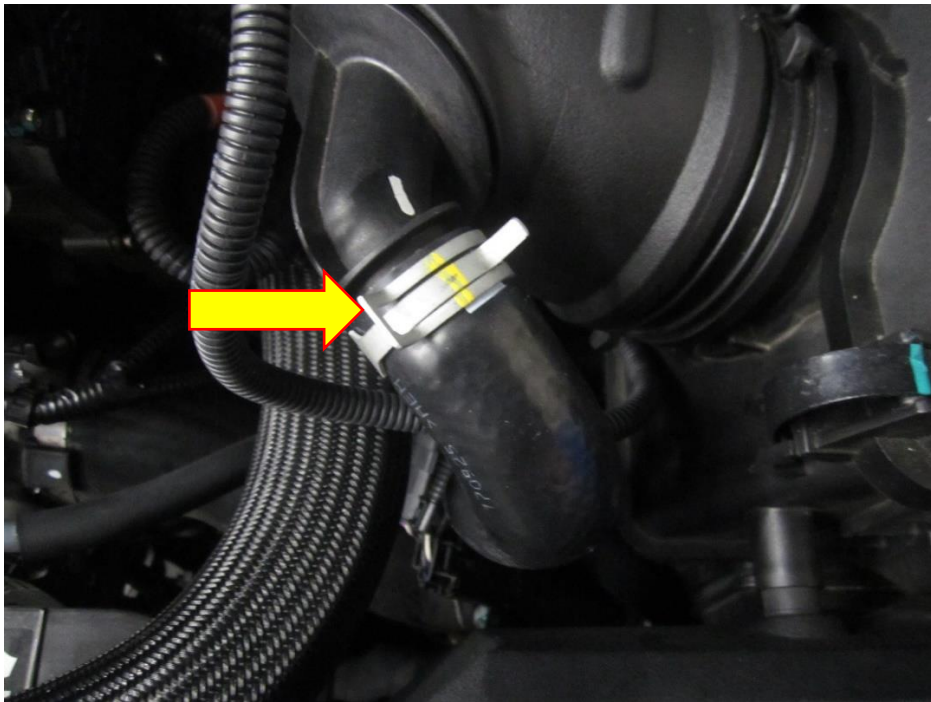
1. With the engine and the ignition switched off, open the bonnet, and locate the air box. The box has three 10 mm fasteners holding it in place as shown with the arrows in the picture below. These need to be undone.



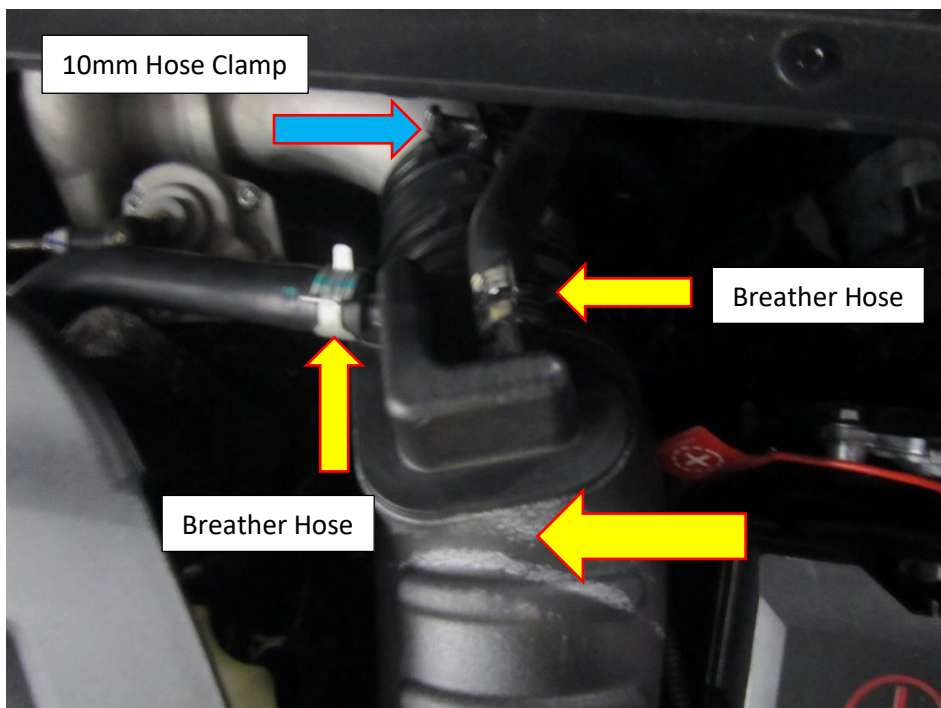
2. Next you need to remove the two fasteners that hold the air scoop to the front of the airbox. To do this simply push the pin in the centre of the fastener inwards, then prise up the fastener with a flat blade screwdriver/trim removal tool.



3. The spring clip holding the diverter valve return pipe to the intake hose needs to be removed. Using a spring clip removal tool or long nose pliers compress the spring clip so that you can slide it down the hose and remove from situ.



4. Moving to the other end of the OE intake Pipe there are two breather hoses that need to be removed, these too have spring hose clamps that just need to be compressed like step 3 to remove the hoses. Once this is complete undo the 10mm hose clamp attaching the intake hose and joiner to the turbo elbow, you will now be able to remove the air box and intake pipe together as one part.





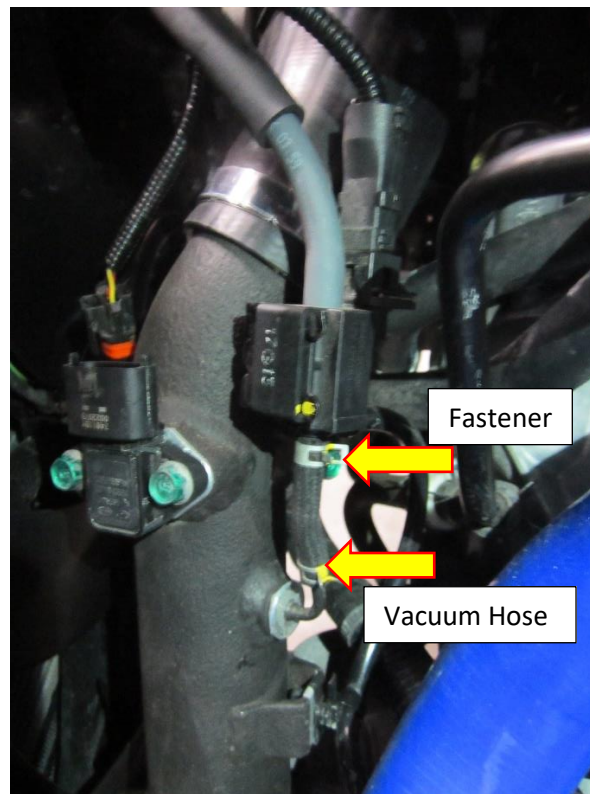
5. There are four M6 fasteners holding the OEM diverter valve to the car, Remove all these using a 10mm socket and ratchet. Disconnect the vacuum hose from the Valve, this is secured by a small spring clip, release this in the same manner as previous step.



6. Un plug the map sensor by pushing the tab down and pulling the plug away from the sensor.



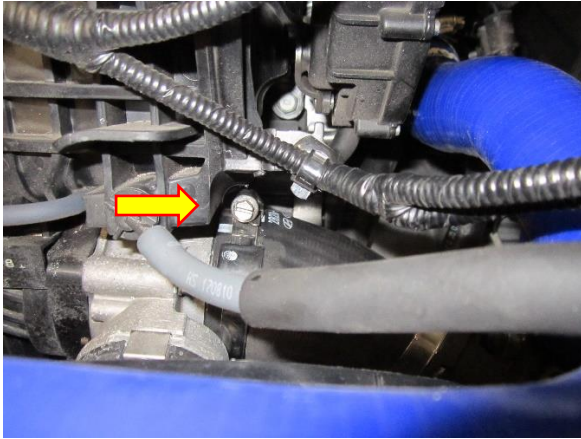
7. The short vacuum hose from the solenoid needs disconnecting from the OE boost pipe, like in previous steps release the spring clip and pull the vacuum pipe free. Remove the M6 fastener holding the solenoid to the OE boost pipe, use a 10mm socket and ratchet to do this.



8. Move the solenoid and map sensor loom out the way to make the removal of the boost pipe easier.



9. Release both hose clamps that attach the boost pipe to the vehicle, there is one which holds the rubber joiner hose to the throttle body and one which holds the 90 degrees joiner hose to the intercooler. Use an 8mm socket and ratchet or a flat blade screwdriver to undo both hose clamps. Some clamps may have a cover over the worm drive, this can be removed with plyers.
- With the hose clamps now loose you will now be able to remove the pipe from the vehicle.



10. With the boost pipe out of the vehicle, you now must remove the map sensor which attached to the boost pipe with two m6 fasteners. Use a 10mm socket and ratchet/spanner to remove them.





11. Take the FMBP4 hard pipe and attach the two silicon hoses as shown in the picture below. Do not tighten the hose clamps up as you may need to adjust the positioning of the hoses. Fit the map sensor using the OE M6 fasteners.



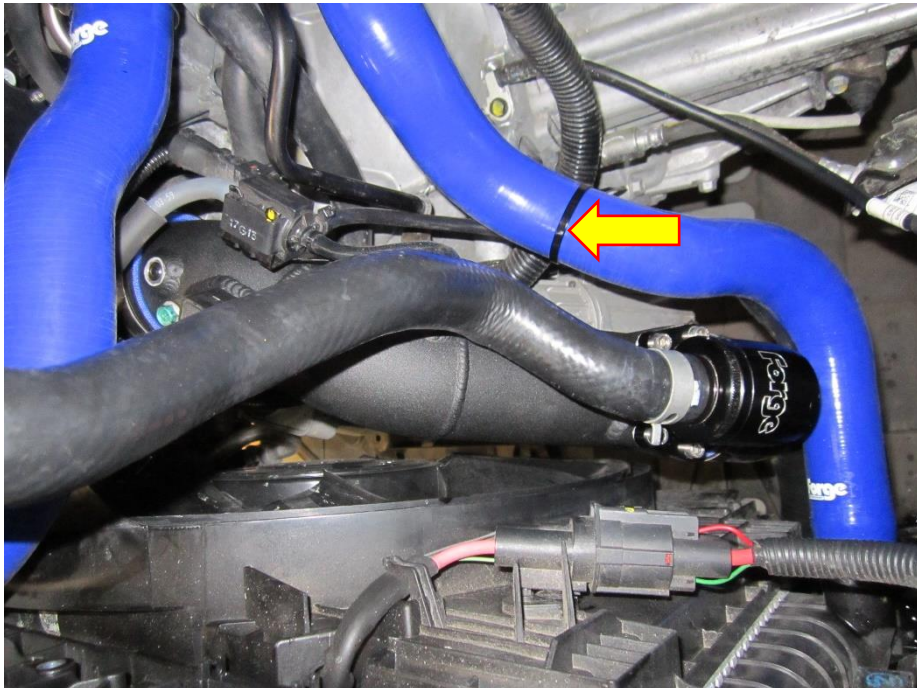
12. Fit the FMBP4 into place in the vehicle's engine bay, as shown in the picture below.



13. Mount the solenoid to the FMBP4 hard pipe using the m6 fastener removed earlier. Use the vac hose supplied with the kit to replace the original hose as this will be too short to re-use. This needs to be used for the diverter valve vac hose also, Cut the vacuum hose to the required length with the use of side cutters then use the provided small cable ties to secure the vac lines in place.



14. Re-fit the diverter valve and connect the vac hose, use the large cable tie to secure this vac hose to the lower radiator hose. Do not over tighten this as it can pinch the vac line.





15. Now follow steps 1-4 in reverse to finish the installation.
16. That's the installation of FMBP4 complete, take the vehicle out for a test drive and enjoy the added performance of your new Forge Motorsport product.



