



FMINDK29 LHD 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:

7/8/10/12mm socket and drive

Socket extension

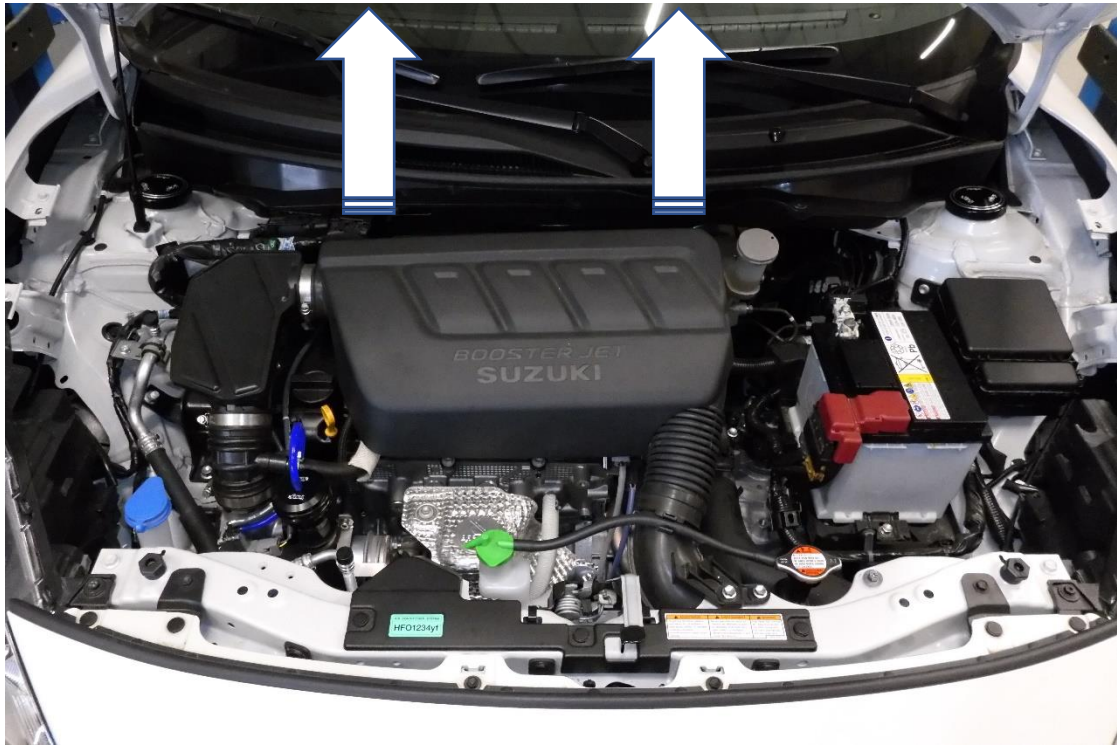
Flat blade screw driver

4mm Allen Key

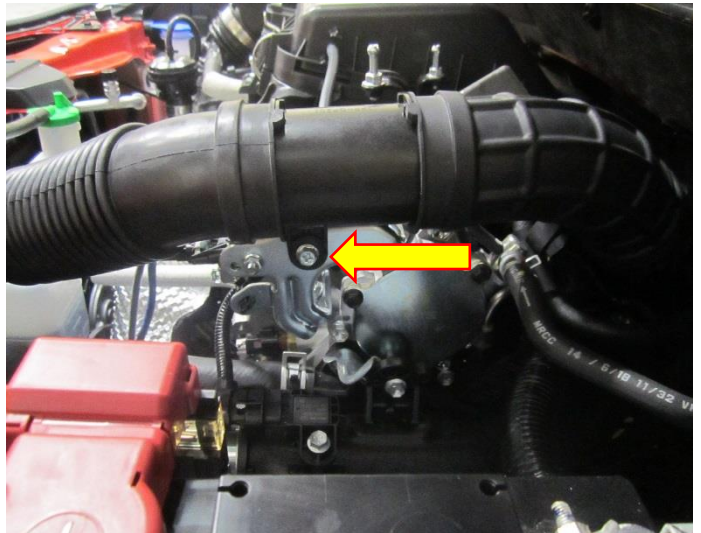
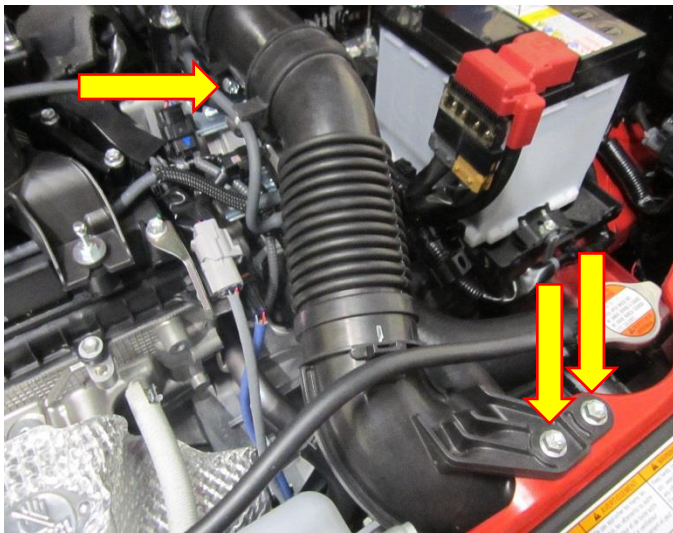
5mm Allen Key

Philips screw driver

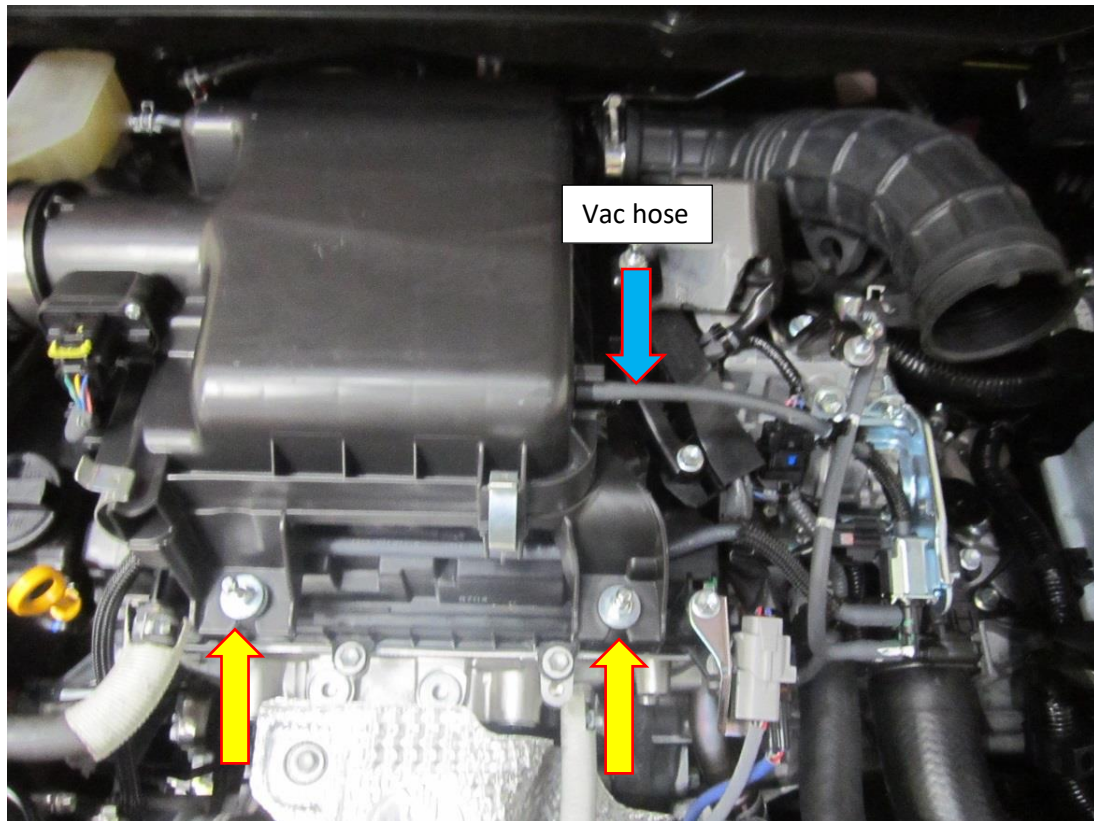
1. Open the bonnet and locate engine cover as this needs to be removed. Simply tug sharply in the middle of the cover and it will pull off.



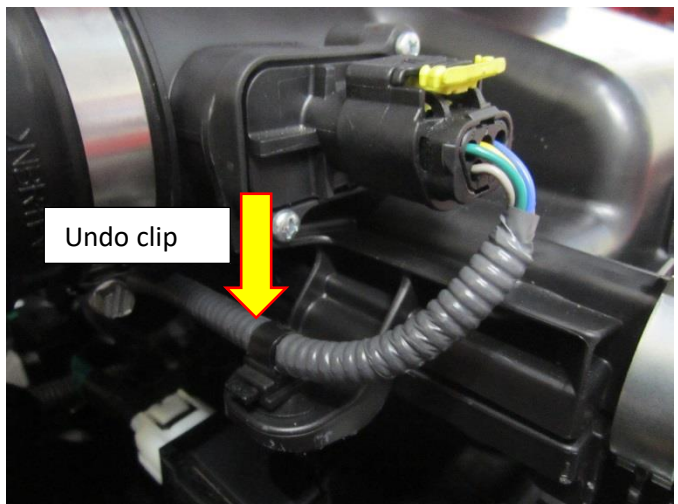
2. The air scoop/intake at the front of the engine bay is held down with four 10mm fasteners these need to be removed with a 10mm socket and drive. You can now remove the air scoop and hose (all three parts) from the engine bay.



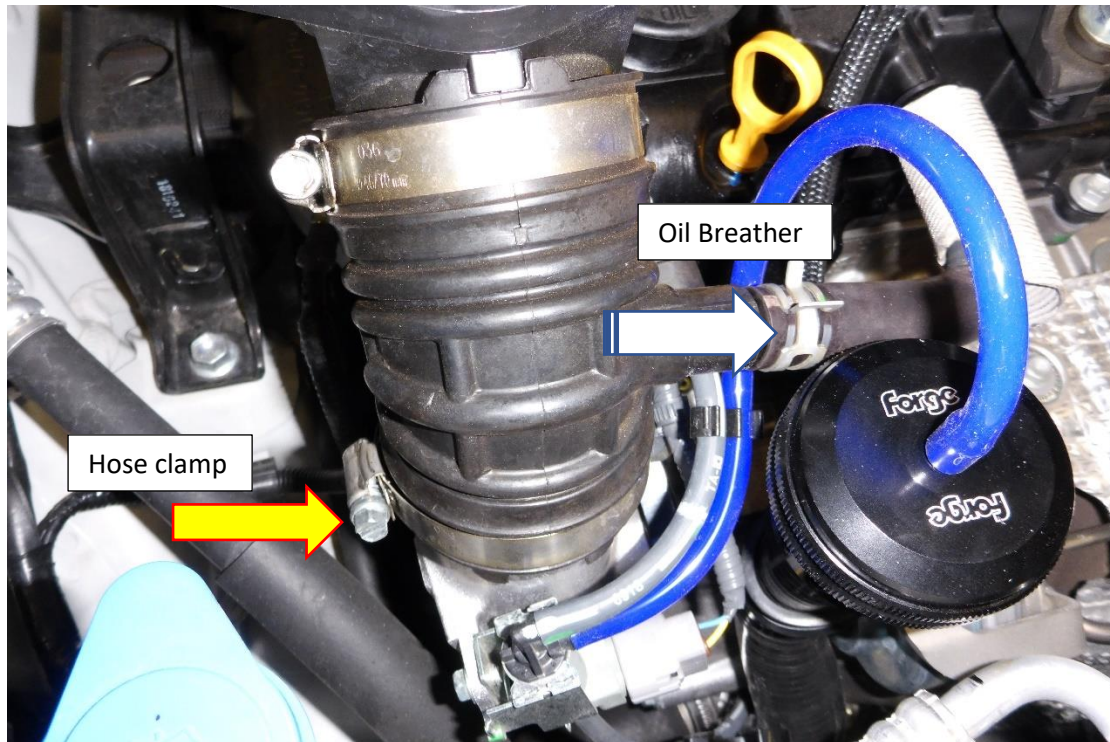
3. Locate the two 10mm fasteners attaching the air box to the engine, remove these with the use of a 10mm spanner. Now remove the vac hose from the air box, this just pulls off.



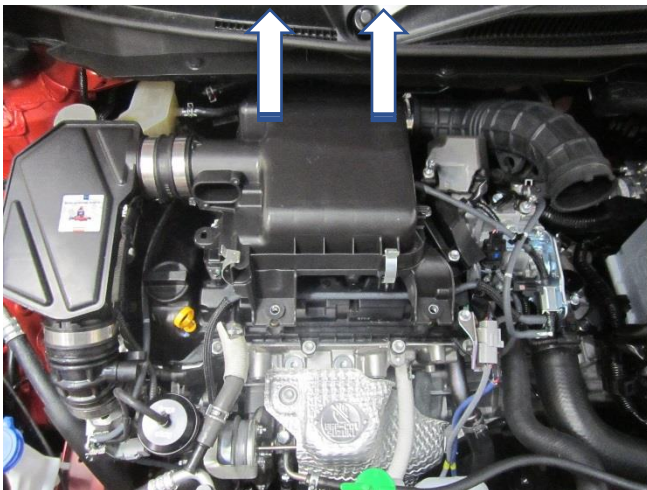
4. The MAF sensor will now need to be removed, first unplug the sensor then remove the two Philips screws attaching it to the air box using a Philips screwdriver. Now carefully remove the sensor from the air box. Unclip the MAF wiring harness.



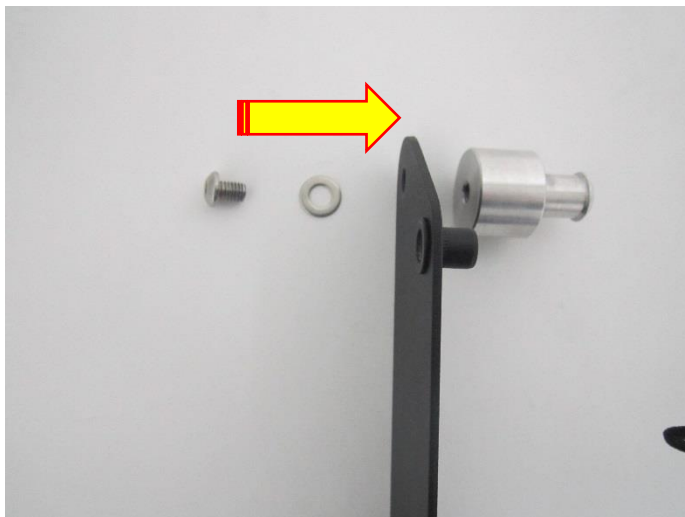
5. Remove the oil breather hose from the turbo intake pipe, this will just pull out. The hose clamp holding the turbo intake pipe also needs to be slackened off with an 8mm socket or flat blade screw driver.



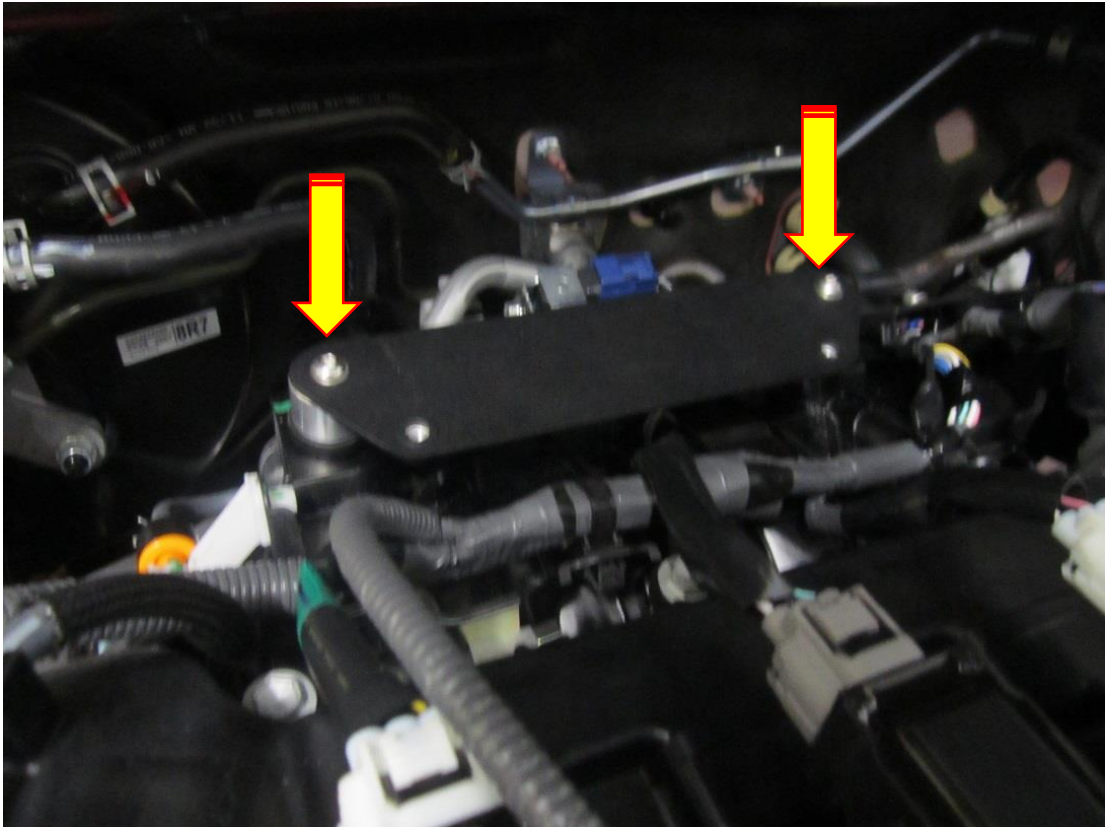
6. At this stage you can now remove the whole air box and pipe work as one, lift the back of the air box to release it from its rubber mounting points. Make sure all the vac hoses are unattached from the intake pipe and you will be able to remove the air box. To do this pull out the air box while twisting it 90 degrees to the left as shown in the picture.



7. Now you can start to install FMINDK29, start make up the hard pipe mounting bracket. Use the m6x6 fasteners and washers to attach both mounting pins using a 5mm Allen key as shown in the pictures below.



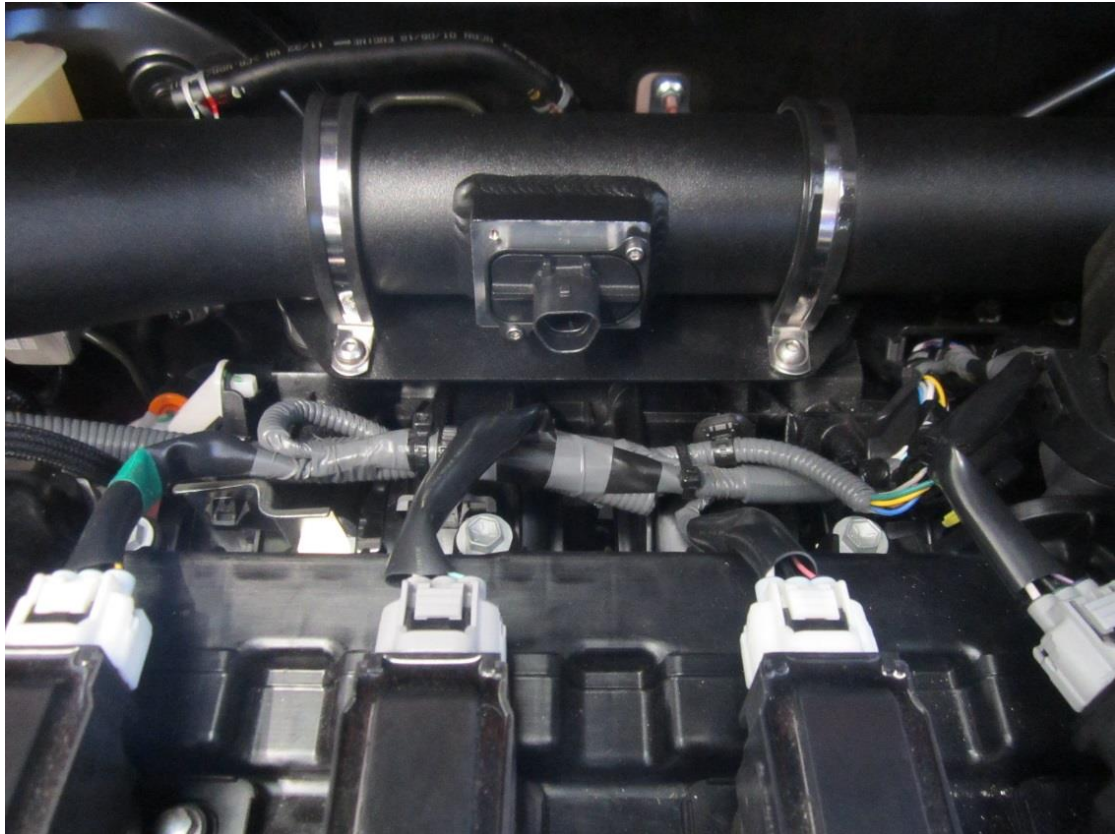
8. Once you have made up the mounting bracket, install it into the rubber lugs that held the back end of the airbox in place. The mounting bracket simply pushes into place.



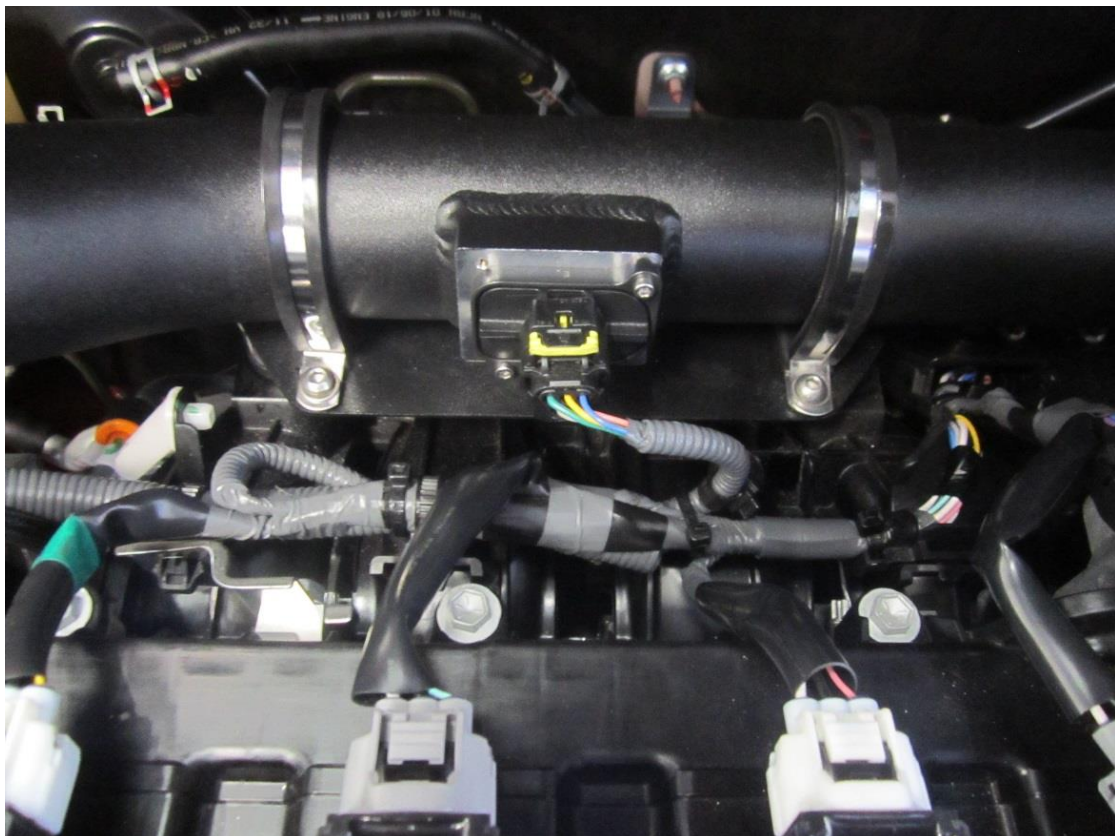
9. Take the hard pipe from the kit and mount the original MAF sensor into the MAF boss on the hard pipe, there are two m4 fasteners with kit with the use of a 4mm Allen key tighten the sensor to the MAF boss.



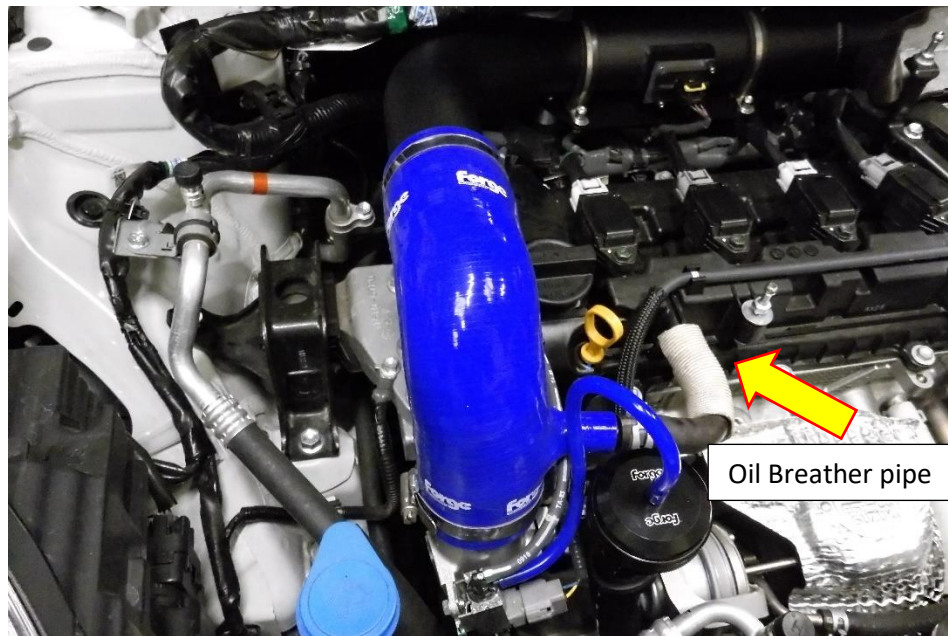
10. Attach the hard pipe to the mounting bracket using the two P clips with the M6x16 fasteners and M6 washers. Open the P clip and wrap it round the hard pipe, then use the M6x16 fastener and m6 washer to attach the P clip and hard pipe to the mounting bracket. Don't tighten them all the way up just yet as you may need to adjustment of the hard pipe.



11. Now you can plug the MAF sensor loom back into place and cable tie down the excess loom with the injector loom as shown in the picture below.



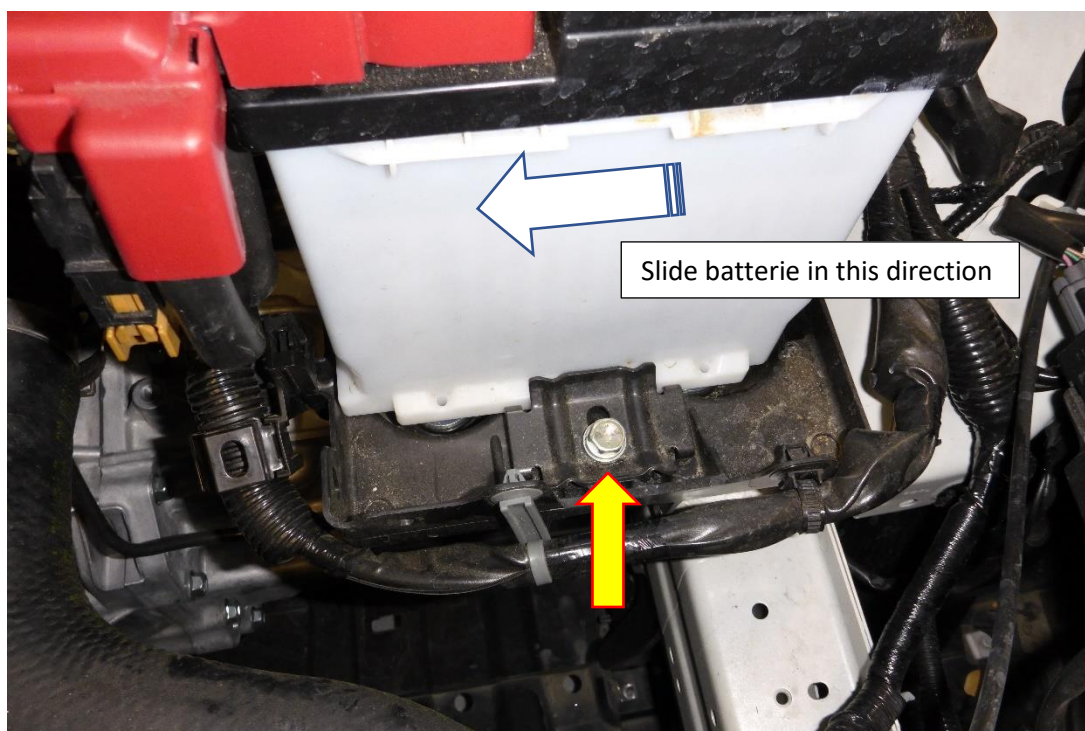
12. Fit the 90 degrees silicone hose with the oil breather spout. Loosely place the hose clamps round each end of the hose then attach the hose the hard pipe and the turbo elbow, then tighten the hose clamps with a 7mm socket and ratchet or a flat blade screw driver. The oil breather will just push fit to the spout coming out of the silicon hose.



13. Undo the three Philips fasteners holding the alloy spinning at the front of the air box with the use of a Philips screwdriver. Now you will be to remove the alloy spinning from the air filter, this needs to be done for a later step in the fitting procedure.



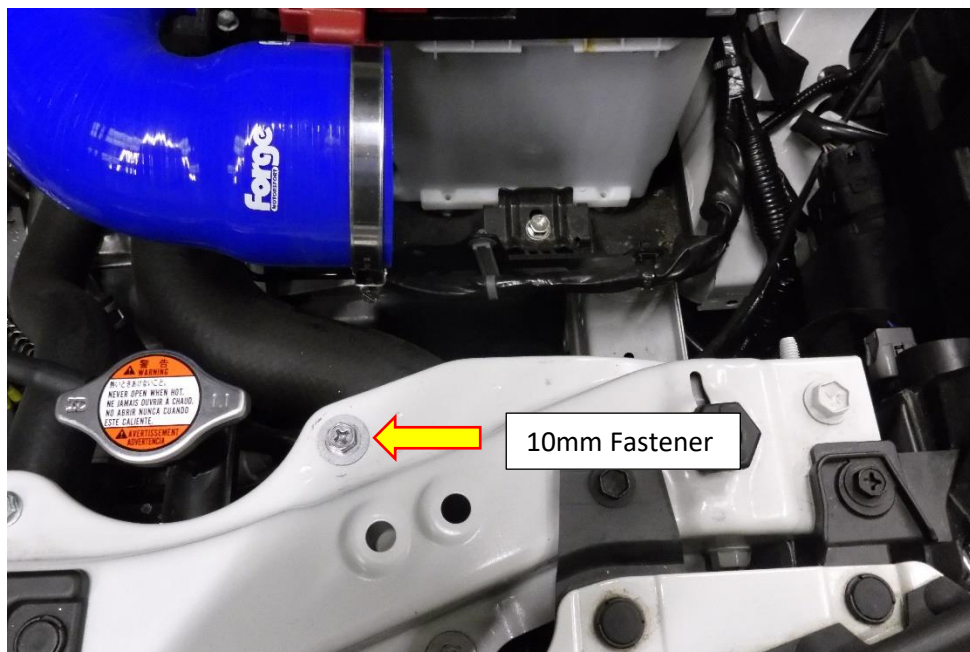
14. Loosen the 12 mm fastener holding the batterie clamp in position, once loosened slide the batterie as far as possible to the left.



15. Fit the remaining silicon hose to the end of the hard pipe with the hose clamp loosely fitted for now. Join the vacuum hose removed earlier from the air box to the vac port on the silicone bend, use the brass joiner provided with the kit.



16. Remove the 10mm fastener shown in the picture ready to mount the Forge carbon air box.



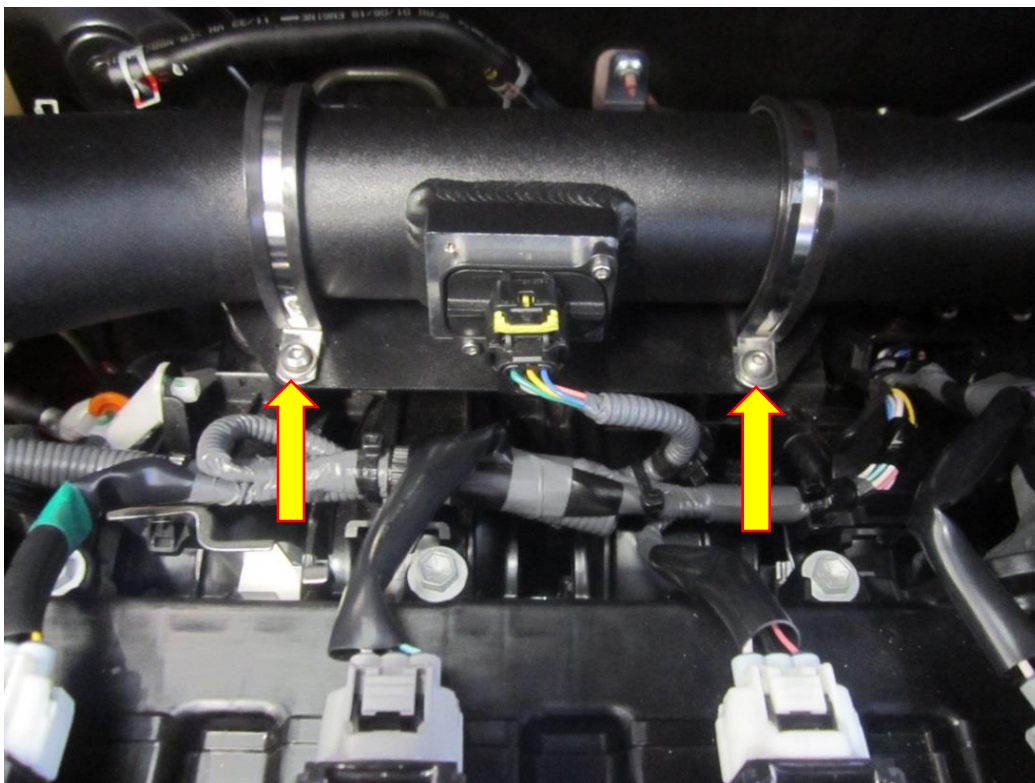
17. Fit the bracket to the air box as show in the pictures below. Start with fitting the bracket to the air box followed by re fitting the spinning back into place and finally push fitting the plastic velocity stack to the end of the spinning.



18. You can now fit the carbon air filter and bracket to the vehicle



19. Finally go back to the mounting bracket and tighten the M6 fasteners and all the hose clamps for the silicone hoses.



20. Your install is now complete, now take your car for a test drive and enjoy the new performance and added sound to your Suzuki's engine.



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