



WARNING

NISSAN PATROL GU ULTIMATE NON INTERCOOLED

WARNING: Failure to follow this procedure will void your warranty.

- Do not use this product in any other motor vehicle for which it is not designed.
- Do not use any other mounting location / method other than described in this instruction.
- It is advisable to seek assistance of another person when installing this product.
- Do not repair or modify this product and / or its mounting bracket in any way - repair or modification may affect proper operation of the vehicle or cause destruction of property.
- Be sure to clean and remove any loose debris before removing pipe work as debris entering the engine could be detrimental to the engine and or components

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT US ON 08 8357 5993 BEFORE STARTING THE INSTALL.
PLEASE NOTE THE KITS DO NOT COME WITH GASKETS FOR THE 2 ADAPTORS. YOU WILL NEED TO SUPPLY YOUR OWN GASKETS OR USE SILICONE SEALER.

REMOVE SOUND DEADENING FROM UNDERSIDE OF BONNET USING A TRIM REMOVAL TOOL. KEEP CLIPS. DISCONNECT WASHER JET HOSE.

NON COOLED MODELS. REMOVE CROSSOVER PIPE, INTAKE MANIFOLD ADAPTOR AND CAST PIPE FROM TURBO OUTLET. KEEP BOLTS. CLEAN MATING SERVICES AND INSTALL SUPPLIED TURBO ADAPTOR AND MANFIOLD ADAPTOR USING HIGH TEMP SILICONE SEALER OR GASKET.







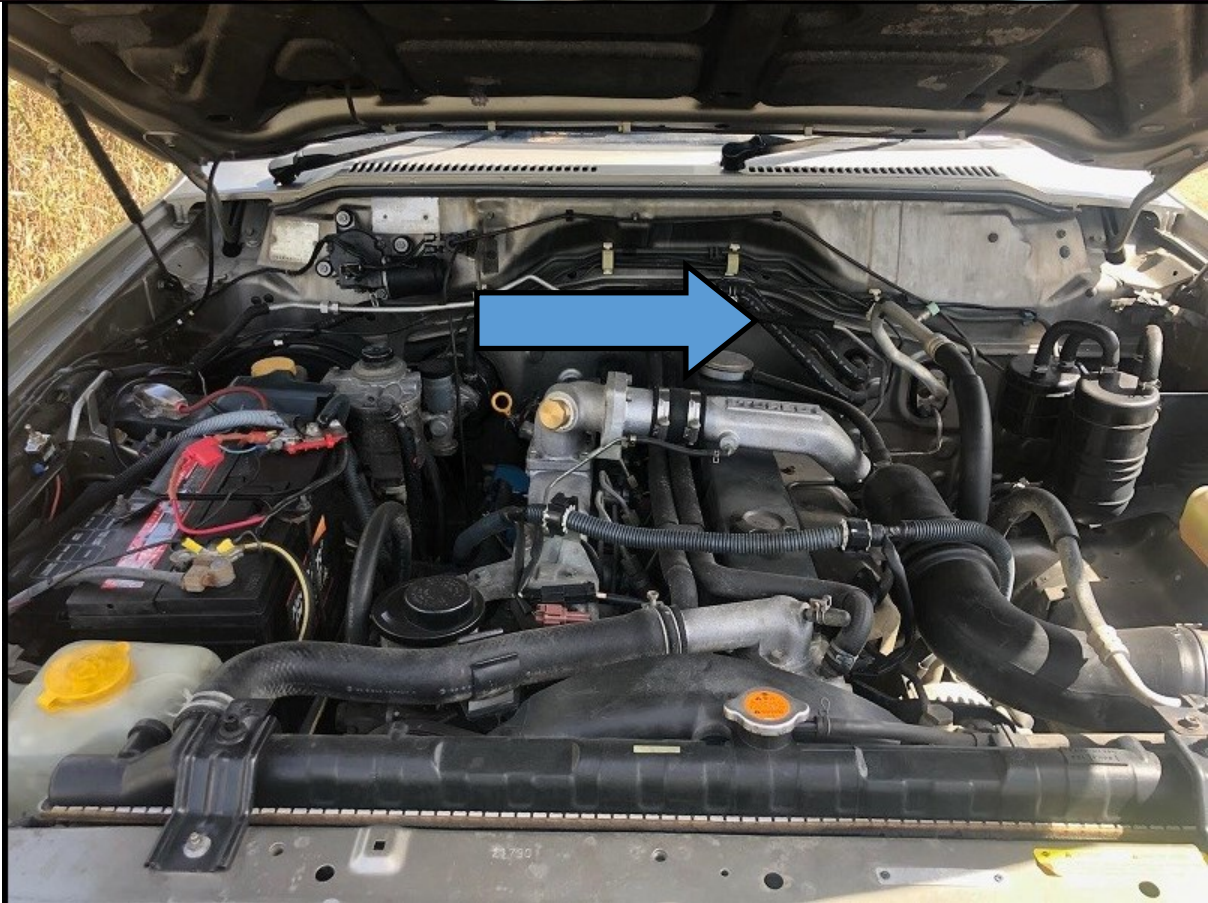
REMOVE FACTORY VACUUM HARD LINE BRACKET AND VACUUM LINE GOING TO THE FUEL PUMP FROM THE TOP OF THE INLET MANIFOLD. RUN SUPPLIED VAC HOSE FROM THE NEW INLET ADAPTOR TO THE BOOST COMPENSATOR ON TOP OF THE FUEL PUMP.

IF YOU ARE RUNNING A BOOST GAUGE NOW IS A GOOD TIME TO FIT THIS. YOU CAN EITHER INSTALL ANOTHER FITTING (NOT SUPPLIED) TO THE SPARE OUTLET ON THE INLET ADAPTOR (THREAD IS 1/8TH BSP) OR T INTO THE VACUUM LINE RUNNING TO THE FUEL PUMP.

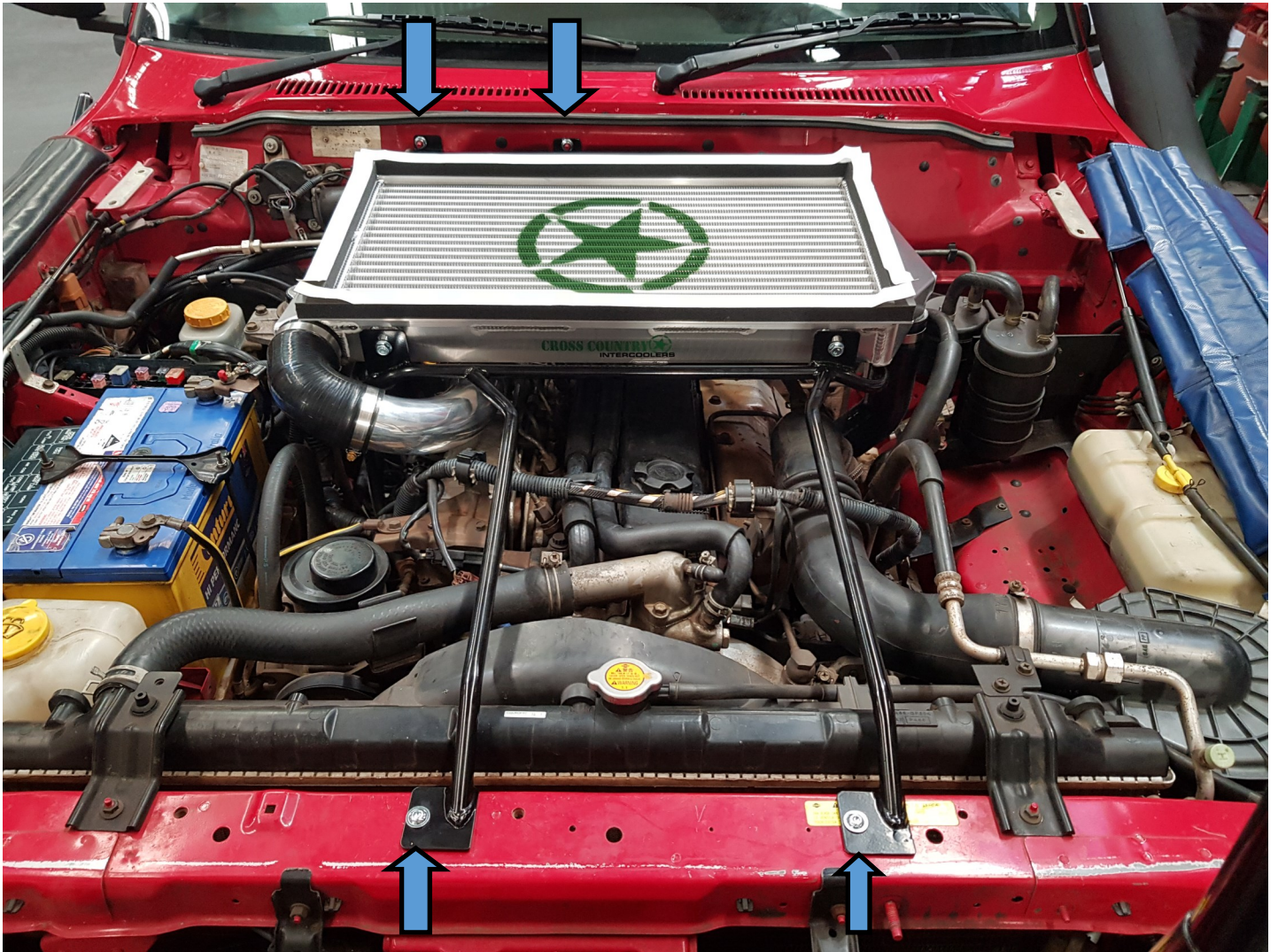


FIT THE SHORTEST CUT SILICONE WHICH IS SLIGHTLY ANGLED TO THE INLET ADAPTOR AS SHOWN MAKING SURE THAT IT IS ANGLEING DOWN SLIGHTLY. TIGHTEN HOSE CLAMP. FIT THE 90 DEGREE ALUMINIUM BEND AND 90 DEGREE SILICONE AS SHOWN FIT HOSE CLAMPS BUT DO NOT TIGHTEN YET.

IF CLEARANCE IS NEEDED THE BRACKET SHOWN CAN BE BENT FORWARD SLIGHTLY.



USING A PRY BAR LIKE SHOWN TO SUPPORT THE AC LINE AT THE FIREWALL (NOT ON THE PIPE ITSELF BUT THE CONNECTING BLOCK). CAREFULLY PULL THE AC PIPE TO THE PASSANGER SIDE OF THE VEHICLE UNTIL SUFFICIENT CLEARANCE IS ACHIEVED. THE AC LINES VARY BETWEEN VEHICLES. YOURS MAY BE DIFFERENT TO THE AC LINES SHOWN



AFTER ADJUSTING AC LINES FIT INTERCOOLER TO THE REAR STUDS ON THE FIREWALL. TIGHTEN WITH NUTS SUPPLIED. MARK THE TWO FRONT MOUNTING HOLES.

MARK THE BONNET FOR THE INTERCOOLER CUT OUT BY PLACING THE 4 FOAM SQUARES STICKY SIDE UP ON THE OUTSIDE EDGES OF THE INTERCOOLER. SEE BELOW PICTURES. ONCE THE BONNET IS MARKED REMOVE THE INTERCOOLER FROM CAR.

DRILL THE TWO FRONT MOUNTING HOLES MAKING SURE NOT TO DRILL THROUGH ANY WIRES OR THE AC CONDENSOR. APPLY RUST PREVENTION.

REMOVE BONNET WITH FAOM SQUARES ATTACHED. SET UP ON TRESTLES READY FOR CUTTING.

RETURN TO ENGINE BAY AND FIT THE 2" 45 DEGREE SILICONE TO THE TURBO ADAPTOR WITH 2 HOSE CLAMPS READY FOR THE INTERCOOLER.



Place one square piece of foam supplied on all four corners of the intercooler and carefully close bonnet until all pieces have stuck to the underside of the bonnet



LEAVE WHITE TAPE ON THE FOAM FOR 1-2 WEEKS UNTIL THE PAINT HAS DRIED COMPLETELY.

RE-FIT THE INTERCOOLER TO THE VEHICLE.

CHECK IF THE INTERCOOLER IS LEVEL WITH THE FIREWALL OF THE VEHICLE. THE 2"45 DEGREE SILICONE CAN HOLD THAT SIDE OF THE INTERCOOLER UP. SIMPLY PUSH DOWN UNTILL THE INTERCOOLER SITS LEVEL.. TIGHTEN REAR BOLTS TO FIREWALL AND INSTALL FRONT MOUNTING BOLTS.

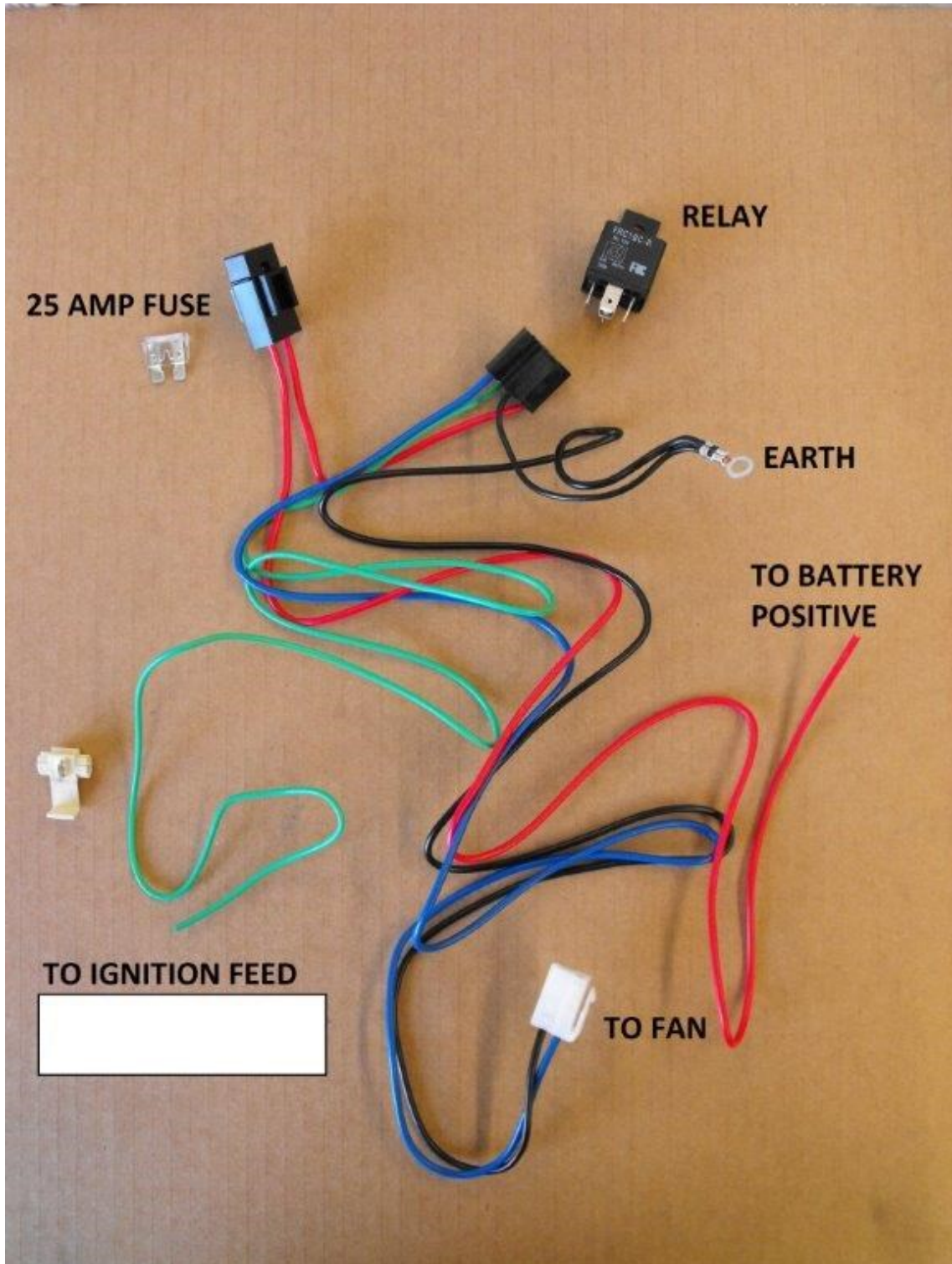
INSTALL THE 90 DEGREE SILICONES AS SHOWN. TIGHTEN ALL HOSE CLAMPS.

CHECK THERE IS ADEQUETE CLEARNCE BETWEEN THE PIPEWORK AND THE UNDERSIDE OF THE INTER-COOLER.



THE FAN CAN BE WIRED USING THE WIPER MOTOR AS A SOURCE FOR IGNITION.

WIRE FAN AS BELOW



BONNET SCOOP FITTING INSTRUCTIONS

After fitting the intercooler, use the supplied foam squares to transfer the intercooler hole location to the bonnet. Depending on what intercooler you have place the foam squares sticky side up on the outside corners of the foam or if your intercooler has small angle place them on the outside corners of the core itself. Some packers may be needed.

Remove the bonnet from the vehicle. Double check the measurements of the foam squares against where the intercooler sits. THE HOLE FOR THE INTERCOOLER IS ONLY TO BE THE SIZE OF THE CORE ITSELF. Confirm which side of the foam squares need to be marked by measuring the intercooler core size and comparing the measurement to the foam squares on the bonnet. After confirming the position drill a 3mm pilot hole in each corner. DO NOT cut the hole out for the intercooler yet.

Cut out the appropriate under bonnet webbing as shown in pictures and deburr all edges. Once finished turn the bonnet over (top of bonnet facing up) and place paper template on the bonnet.

Take measurements from the back edge of the scoop to the rear lip of the bonnet. This location varies on what vehicle you have. Please see below list for the approximate fitting position.

GQ patrol just in front of washer jets (excluding Extreme)

GU PATROL 5-10 mm

60 LANDCRUISER 80 mm

75/79 LANDCRUISER 140 mm

80 LANDCRUISER 45 mm

100/105 LANDCRUISER just in front of washer jets

200 LANDCRUISER 50mm

Confirm the scoop will not interfere with the intercooler hole cut out by using previously drilled pilot holes and compare to scoop template. When in correct position tape down the edges of the template making sure there are no creases. Drill 3mm pilot holes through the mounting points marked on the scoop template. Going through the bonnet skin and any webbing underneath.

Turn the bonnet over and if applicable drill the holes going through the under-bonnet webbing NOT THE BONNET SKIN to 20mm to allow clearance for the washers. Once the clearance holes are drilled, drill the holes going through the bonnet skin to 8mm. Deburr all holes.

Mark out the hole for the intercooler using the 4 pilot holes as reference points and cut out with a grinder with a 1mm disc, making multiple shallow cuts reduces the likelihood of the paint blistering. Once cut clean up any burrs.

Test fit scoop before painting to make sure all mounting holes are correct. Prime and paint all bare metal.

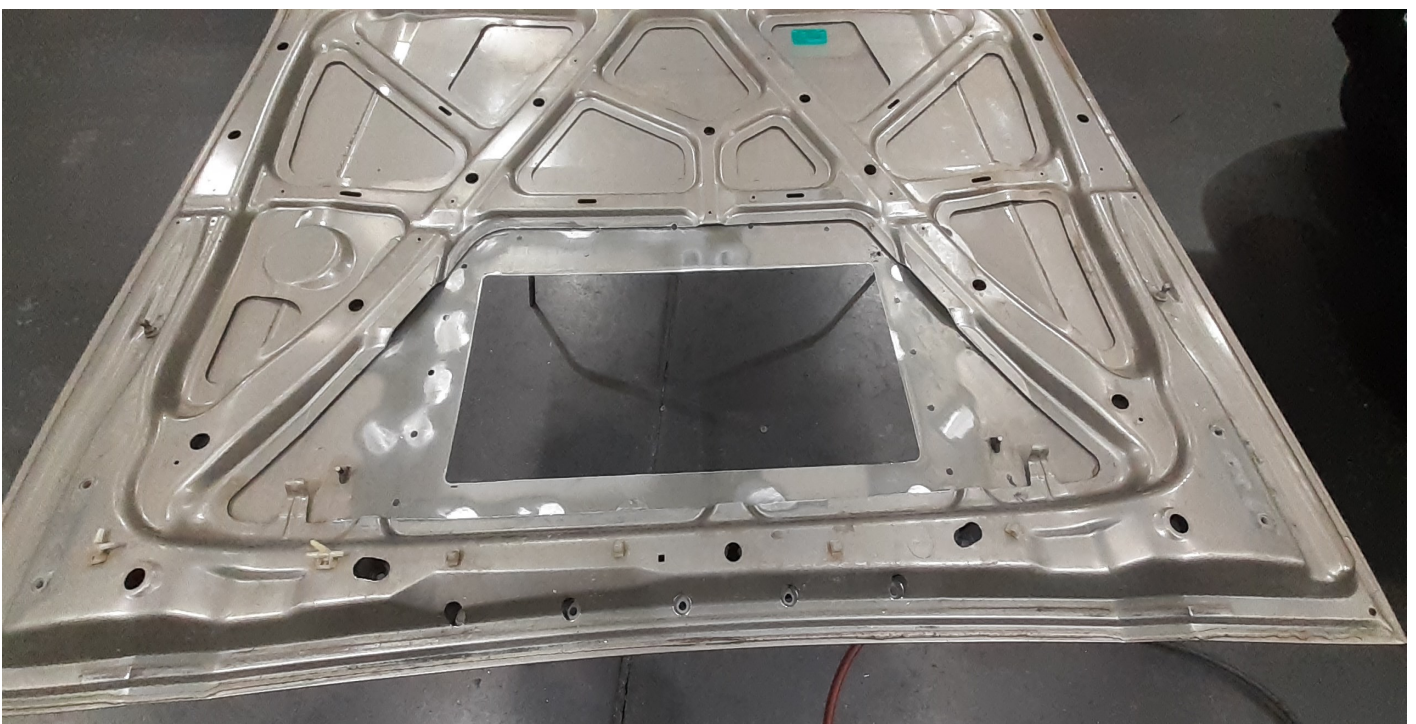
Attach foam tape supplied to the underside outside edge of the scoop and fit bonnet scoop to bonnet using supplied bolts and nuts. If applicable refit trimmed sound deadening.

Fit bonnet back to car.

THE BELOW PICTURES SHOW THE WEBBING AND INTERCOOLER HOLE CUT OUT. FOR THE CLEARANCE HOLES THROUGH THE WEBBING USE A 20MM HOLESAW AT THE REAR OF THE BONNET THERE ARE 2 LAYERS OF WEBBING. DRILL THROUGH BOTH LAYERS. DO NOT DRILL THROUGH THE TOP SKIN OF THE BONNET. WHEN INSERTING BOLTS, A SMALL TELESCOPIC MAGNETIC TOOL WORKS WELL .

ONCE ALL CUTTING IS DONE PRIME AND PAINT.

IF THE SOUND DEADENING IS IN GOOD CONDITION IT CAN BE TRIMMED AND REFITTED. SOME NEW HOLES MAY NEED TO BE ADDED TO FIX THE SOUND DEADENING TO THE BONNET.





REFIT THE BONNET TO THE CAR AND RE ATTACH WASHER HOSE. MAKE SURE ALL BOLTS AND HOSE CLAMPS ARE TIGHT. CHECK FAN OPERATION AND TEST DRIVE VEHICLE AND CHECK FOR ANY LEAKS.

RE TENSION HOSE CLAMPS AFTER A FEW DAYS OF DRIVING AND CHECK AT REGULAR SERVICE INTERVALS.

IF INTERCOOLER IS REMOVED CLEAN THE PIPE OUTLETS AND INSIDE THE ENDS OF THE SILCONES WITH A SOLVENT SO NO OIL IS PRESENT AT TIME OF INSTALLATION.