



The Figaro Shop Aluminium Radiator Upgrade Fan Wiring Guide





Here at The Figaro Shop, we pride ourselves at being at the forefront of parts development for the Nissan Figaro and supporting the products we develop. As part of this support (as we understand that we have customers that like to fit their own parts and for our international customers) we have put together a number of guides illustrating how our parts are fitted.

PLEASE READ – this guide is intended to aid in the installation of our products. It is recommended that factory manuals or instructions are followed to remove the radiator from the vehicle. Some instructions in this guide are generic. The factory manual should supersede any contradiction. Please note that The Figaro Shop Ltd will accept no liability for damage or injury caused due to this guide.

Parts List:

- 1x radiator with pre-installed cooling fan
- 1x plastic plug housing
- 2x plug housing pins
- M6 hardware pre-installed



Tools Required:

<ul style="list-style-type: none">• 10mm Socket• 8mm Socket• 22mm Spanner• Cable ties	<ul style="list-style-type: none">• Side Cutters• Long Nosed Pliers/crimpers• Wire Strippers• Solder/Soldering Iron (recommended)
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This guide will show the process of removing the wiring loom from the original fan unit once the radiator assembly has been removed from the vehicle. You will need a basic understanding of vehicle wiring and basic automotive mechanical knowledge to undertake the following processes

Please ensure as much water as possible is drained from the original radiator and both new and old radiators should be placed on a clean and dry surface. We recommend laying an old towel on your working surface to absorb any leaking water and to avoid scratching the new radiator.



- At the base of the radiator, you will find the fan switch plug. Unplug the switch as shown below



- Place the old radiator on a flat surface with a towel underneath to catch any residual water left in the core. Using a 10mm socket on a ratchet, unbolt the 4 bolts holding the fan to the radiator. This will also unfasten the overflow bottle support bracket.





- Using a 22mm open ended spanner, un bolt the radiator fan switch (if a new one is not being used)



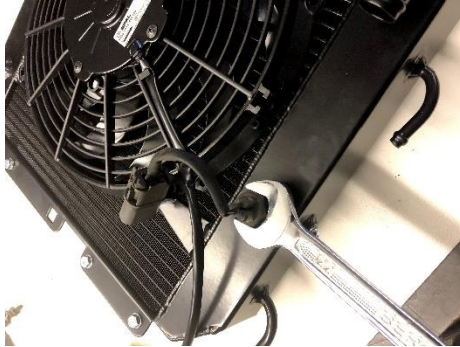
- Using an 8mm socket on the ratchet, unbolt the fan resistor from the original fan. You may discard the original resistor bolts as these will no longer be needed. This, and the loom it is attached to will be reused in a later stage of installation. You will then be able to unclip the loom from the fan cowling by lifting the small bendable straps holding the loom down. You will then need to cut the Yellow and Black wires going to the fan motor close to the motor itself using a pair of snips/side cutters.



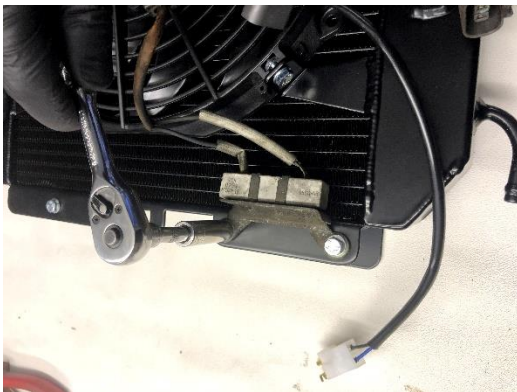
- The loom can now be lifted off the original fan to be used in the next steps of the guide.



- You are now able to fit your new fan switch or your old switch. Ensure the “o-ring” seal is in good condition and wind this in finger tight into the boss of the new radiator. Using a 22mm spanner, tighten this sensor up until tight. Do not over tighten!

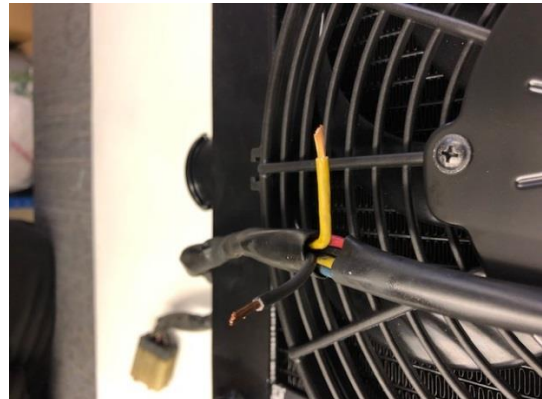
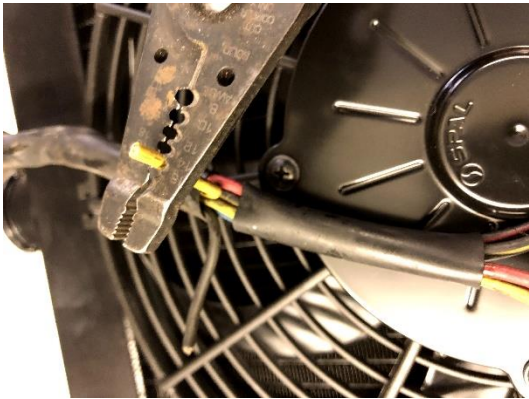


- Bolt the resistor pack using the supplied m6 bolts to the new radiator with a 10mm socket and ratchet in the orientation shown below and plug the fan switch into the loom as shown.

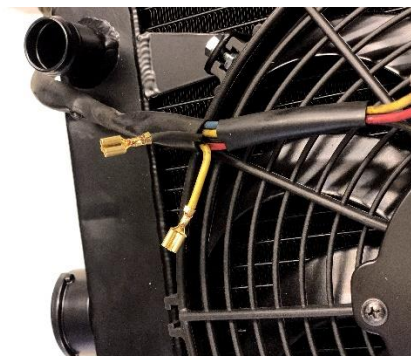




- Using a pair of wire strippers, strip approx. 5mm off the sheathing from the Yellow and Black wires on the fan wiring loom. These are the 2 wires that were cut in the previous steps.

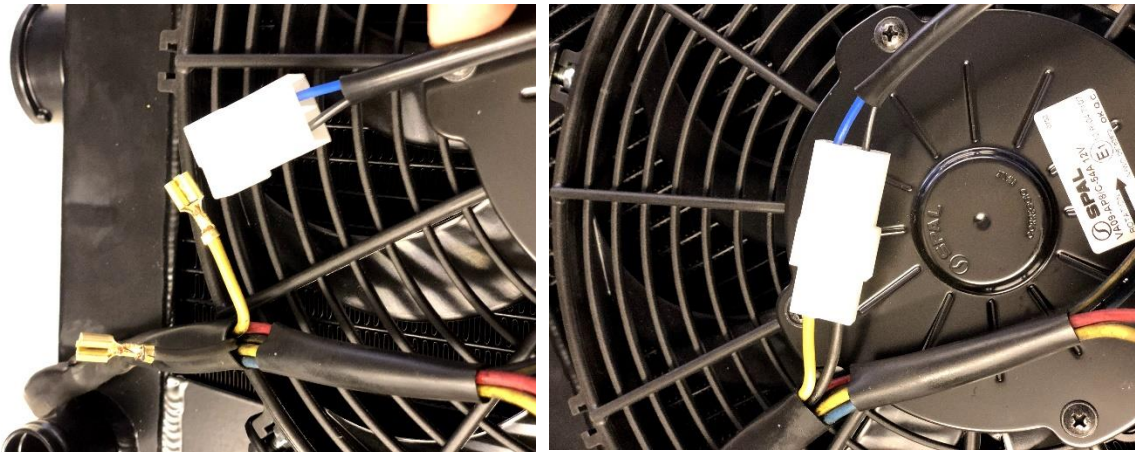


- You will now need to crimp on the supplied electrical connectors to the stripped wires. Fitting them one at a time, place the connector over the stripped section of the cable with the 2 higher tabs of the connector being placed over the wires' sheathing. Carefully using a pair of wire crimpers or needle nosed pliers, crimp the connector in both places as shown below (on the exposed copper wire stands and on the wires' sheathing). You will need to ensure a tight fit by pinching the centre of the connector with the appropriate pinch point on your crimpers/strippers to ensure that these do not pull off. At this point, to ensure a perfect connection, the wire can also be soldered onto the connectors. This will guarantee a long lasting and trouble-free lifetime of your new connector pins.





- With your new connectors crimped/soldered securely to your existing fan wiring loom, you will now need to clip them into the white connector housing. You will need to note the polarity of the placement of your pins to ensure the fan rotates in the correct direction. The BLUE wire on the pre-fitted fan plug will go to the YELLOW wire of the original loom and the BLACK wire will go to the BLACK wire on the original loom as shown below.



- You are now nearing the final steps of the installation. Ensure the plugs of the fan are secure and with 3 or 4 cable ties, fasten the loom to the casing of the fan making sure that the ties do not touch or interfere with the rotation of the cooling fan blades. Once this is done, you can finish your installation by bolting the coolant over flow bracket back onto the new radiator using the supplied m6 bolt in the top corner of the radiator.



Reinstall the radiator, fill and bleed the coolant system and ensure the fan switches on and off when needed. You can now enjoy the peace of mind that you have installed the very best in cooling performance for your Figaro.