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Fitting instructions for electric fans

Part no. 496169

The following must be checked:

1. The Radiator has a normal life expectancy of approx 8-9 years after this time it should be thoroughly assessed and any signs of deterioration such as furring up internally or out of shape it is recommended it is replaced.
2. The radiator fins must be clear or all debris such as mud and leaves.
3. The system must be filled with correct coolant.
4. The water pump and thermostat must be operating correctly.

- Disconnect the positive battery terminal, drain water system and remove the top hose. If desired remove the original fan and re-fit the water pump pulley with the original bolts. You may require additional spacers/washers when replacing original bolts.
- Remove the upper and lower radiator bolts that attach the radiator to the front apron/bulkhead. Leaving the upper stays in place.
- Insert the long 5/16 UNF set screws into the original upper and lower radiator mounting points so that the radiator is secured back in place with the end of the screws protruding towards the front of the car.
- Fit the 2 short spacer tubes to the upper screws (these will re-secure the stays) and the 2 longer spacer tubes to the lower bolts. Then fit 1 each of the flat washers each of the screws as shown. **Fig 4**
- With reference to **Fig 1**: assemble the fan, shrouds and brackets in the following sequence using the 4 x M6 hex screws, washers and nyloc nuts provided.
 1. Fan shrouds (section with dimple to the left hand side)
 2. Fan
 3. Brackets
 The fan is positioned between the shroud and brackets. Ensure the M6 hex screws heads are facing the radiator core. **Fig 1**
- Locate the complete fan, bracket and shroud assembly on the 4 protruding 5/16 screws. Please note: The brackets and shrouds are handed, the fan assembly will only fit one way!
- Place the remaining washers on each of the four screws and fasten each with 4 x 5/16 UNF nyloc nuts supplied. **Fig 2**
- If required, locate the section of edge trim supplied to protect the oil cooler pipe work from chafing against the brackets. As shown. **Fig 3**
- Install the electronic fan controller using the 2 x convoluted hose sections supplied and follow the separate instructions supplied for controller and fan connections and set up after refilling the cooling system and reconnecting the battery.



Fig 1

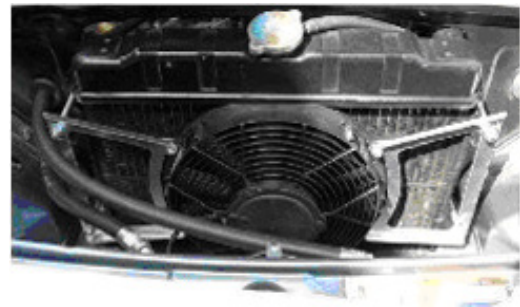


Fig 2



Fig 3

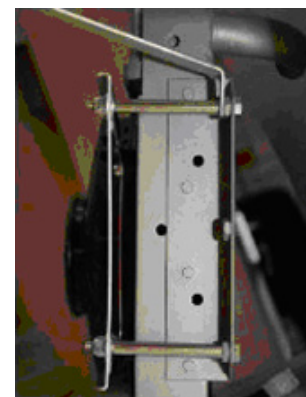
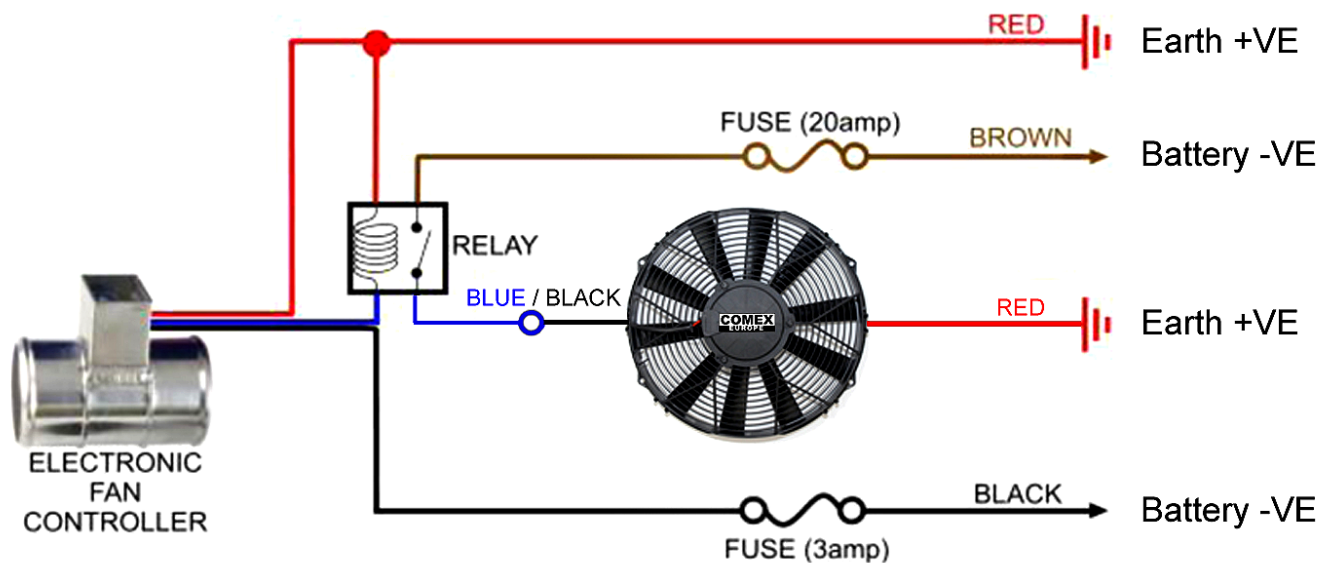


Fig 4

Positive earth vehicle / Fahrzeuge mit Plus an Masse

INSTALLING THE RELAY AND ELECTRICAL CONNECTION.

The wiring diagram is as follows -:



Negative earth vehicle / Fahrzeuge mit Minus an Masse

