

# COMPLETE NEW UPGRADED HEATER KIT

## TR4-6

Part Number: **812301HX**

Read **ALL** the instructions where relevant before opening your toolbox.

1. **Disconnect the battery.**
2. **Referring to the original workshop manual, drain the heater/engine coolant system and remove the old heater.**
3. **Inspect all old ducts and hoses and replace as required. As a minimum it is suggested that the two coolant hoses in the cockpit are replaced, and the bulkhead joint is replaced.**

### To order:

Part No.	Description	Qty
623284	hose, water inlet	1
623285	hose, water outlet	1
GHC10413	clip, water hose	4
611043	pipe connector assembly	1

In addition, it is imperative that the heater mountings are in good shape. The upper case is supported by 3 “grommet” type rubber mounts with steel inserts. The left hand lower edge of the main case is attached firmly to the bulkhead with a rubber spacer, a large plain washer and nut.

### QUALITY PARTS AND ACCESSORIES



Triumph House, Sleaford Road, Bracebridge Heath, Lincoln LN4 2NA, England

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**If necessary, order:**

<b>Part No.</b>	<b>Description</b>	<b>Qty</b>
17H5431X	Grommet	3
612241	Washer, rubber	1
GHF300	Washer, steel	1
GHF200	Nut	1

**INSTALLATION**

1. Fit a length of 10mm x 10mm square foam around the air inlet, leaving a 5mm gap to the collar.
2. Offer up the heater and secure using original screws, washers and grommets (or new ones if necessary)
  - 2.1 The importance of having all 4 (3 top and 1 lower) mountings in good condition and properly secured is paramount. Bitter experience has shown that the top attachment plate can break away where inadequate mountings are used. No warranty claims will be accepted where damage to the top plate/casing is caused by inadequate mountings.
3. Connect the coolant hoses.
4. Reconnect the air hoses and the flap control wire.
5. Electrical connections:
  - 5.1 The 12 volt original electrical feed can be reused but we recommend using an auxiliary fuse box feed. An auxiliary fuse box kit provides new electrical feeds without overloading the existing car wiring. Part number RR1560
  - 5.2 Fit the new switch in your chosen position.
  - 5.3 Connect the black earth from the motor extension harness to the existing black heater earth lead, securing with a double connector. Note: this main loom earth connection is not present on all cars, if necessary. Make up another earth lead, bullet connected one end, black wire supplied, ring tag on the other to connect into the double bullet connector with the other end attached to a suitable earth. One of the heaters to body attachments will suffice.

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- 5.3.1 If using the existing heater power feed or the auxiliary fuse box kit mentioned on 9.1. To connect to 'C' on the switch, the additional 3A fuse shown on the wiring diagram connected to the ignition switched +12v feed is not necessary as this feed is already fused. The fuse shown to ensure one if used if an alternative supply is used. This fuse is not included in these kits.
- 5.3.2 Use the yellow/purple 28 strand wire provided to feed terminal 'C' on the switch either from the auxiliary fuse box kit or the original heater feed (if an extension is needed) as desired.
- 5.3.3 Attach Lucar connectors to the end of the motor loom and attach to the switch; /orange to 'H', Red to 'M' and Yellow to 'L'.
- 5.3.4 'B' on the switch is not used.
6. Reconnect the battery. Test the electrical circuits, ensuring the motor speed increases between each of the 3 positions. The motor should not work with the ignition off.
7. Refill the system with coolant. This would be good opportunity to convert to Evans waterless coolant RX1672
8. Run the car up to temperature and check for leaks.
9. Readjust the flap cable for correct operation.
10. The heater kit comes with blanks on the upper air outlets. These blanks are used on TR4-4A only as the fresh air to the vents is taken directly from the plenum chamber on these cars. The blanks will not be used on TR5-6 where these outlets feed the eyeball vents in the dash.
11. The presence of these outlets on the side of the casing makes fitting the TR4-4A glove box tricky. If necessary, order the TR6 glove box 815746 (fibreboard) or 815746PL (plastic moulding)
12. Road test and enjoy the delights of a TR with a heater that really works. (do not forget to set the vent flap open on the TR4- early TR6

**FINAL TIP:** Did you know that on the TR4-4A cars you could operate the heater as a recirculating system by closing the vent flap and opening the face level vents.

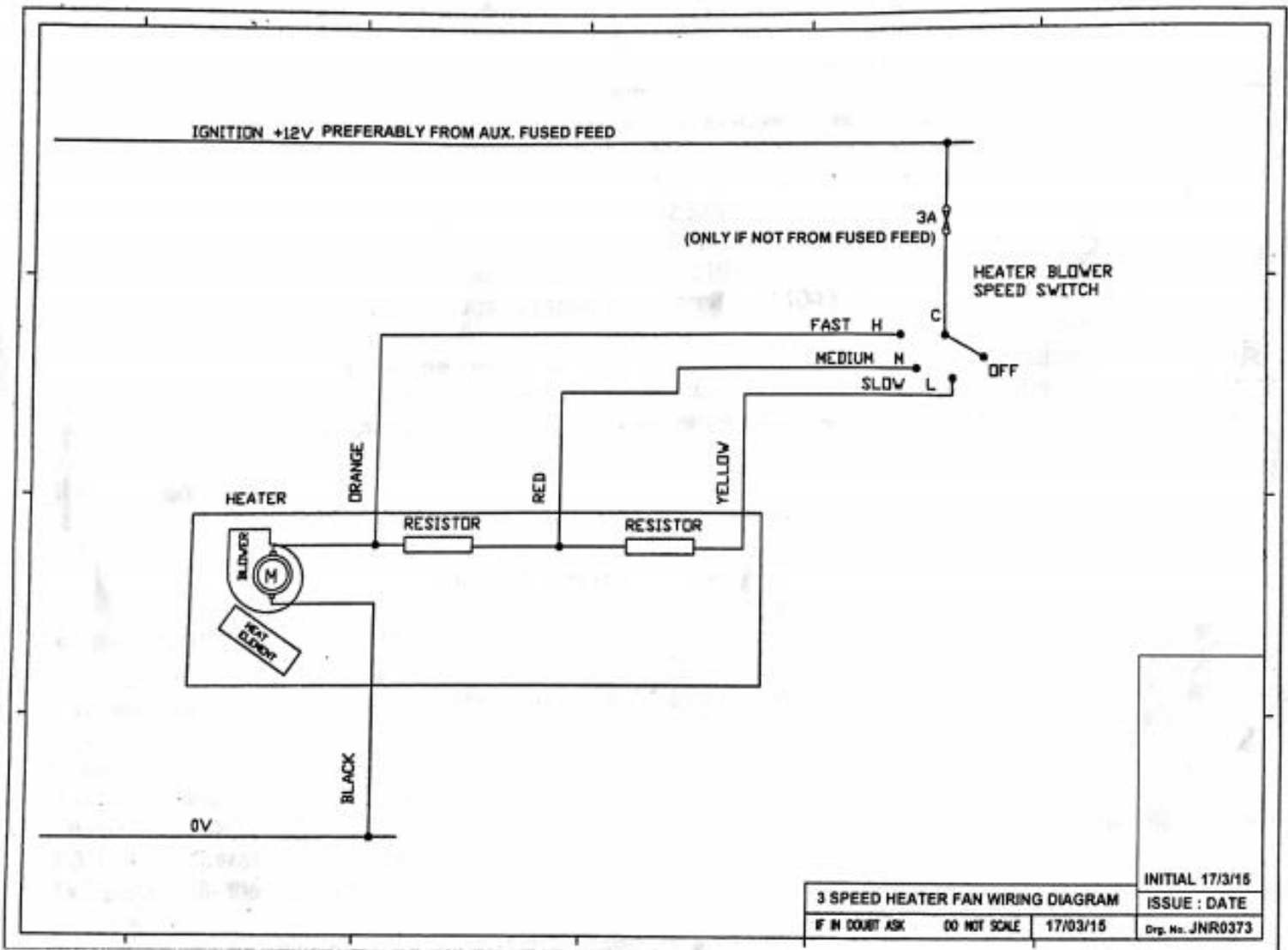
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