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H.O., REG. & AUST. MGRS

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SUBJECT: REPLACEMENT OF IMPELLERS AND MOTORS ON CONDENSING UNITS

UNITS: SCR 150, SCR 250

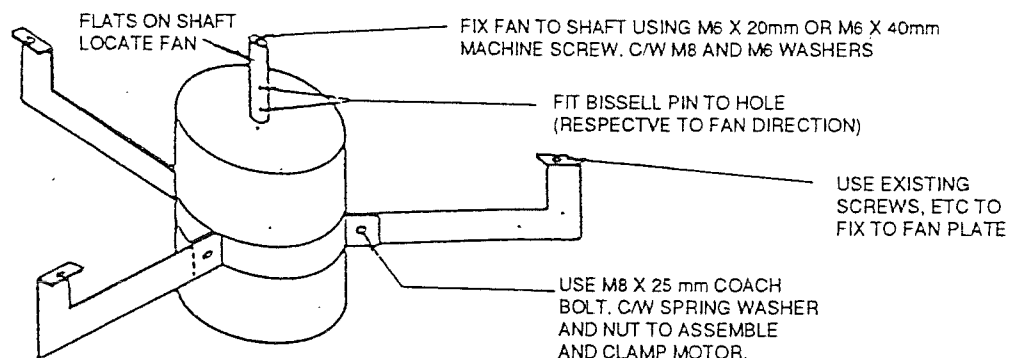
NOTE: SUPERCEDES ISSUE 6/87 AND 9/90

1. SCR 150 AND SCR 250

- (a) Should your unit be fitted with a 16" dia aluminium impeller and the old UE motor (on pre 1987 models) and either the impeller or the motor has failed then the entire assembly must be replaced (see Figures 1 and 2) by the following:

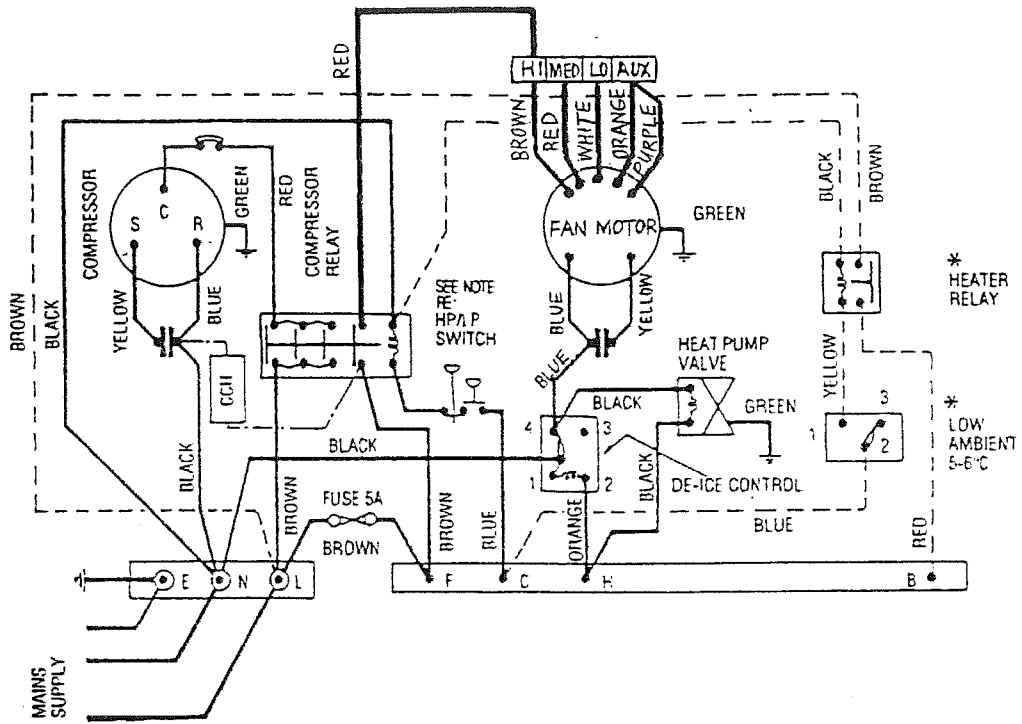
<u>Item</u>	<u>Part Number</u>
Universal Electric Motor	021 046 000 129
16" Plastic Impeller	021 018 000 051
Plastic Fan Cap	021 018 000 052
Bissell Pin	021 060 000 035
Single Arm Fan Motor Bracket (one set)	022 018 154 001
M8 x 25mm long Coach Bolts (3 req'd)	Factory Supply
M8 Spring Washer (3 required)	Factory Supply
M8 Nuts (3 required)	Factory Supply
M6 x 40mm long Machine Screw	Factory Supply
M8 Washer (81D x 20 OD)	Factory Supply
M6 Washer	Factory Supply

Fig. 1 Replacement Motor Assembly



The final position of the motor/impeller assembly should leave 1/3 of the impeller beyond the bellmouth edge. See Figure 2.

Fig.4 SCR 150 & 250 Wiring Diagram



- (b) Should your unit be fitted with a 16" plastic impeller with a 14mm bore and either the motor or impeller has failed then as in item(a), page 1, the entire assembly must be replaced and the replacement instructions relating to item (a) adhered to.
- (c) Should your unit be fitted with a 16" plastic impeller with a 12.7mm bore and with either the 40 watt or 65 watt Elco motor and the motor has failed, the motor will have to be replaced with the UE motor (part number 021 046 000 129). This motor is a little larger in diameter than the Elco motors, however the existing brackets are adequate if a larger gap (approx 20mm) is allowed.
- (d) When replacing an Elco motor the existing capacitor is retained and either medium or low speed selected. The exception to this is when the condenser fan is speed controlled and in these cases the existing capacitor is replaced with a 2 mic capacitor, the motor as mentioned previously is put onto high speed.