

- 1 Supply
- 2 Armature
- 3 Field winding
- 4 High speed field resistor
- 5 Limit switch

Colour code

- G Green
- R Red
- N Brown
- LG Light green

Facia switch

- OFF 1 connected to 6
- NORMAL 1 and 6 connected to 4
- HIGH 1 connected to 4

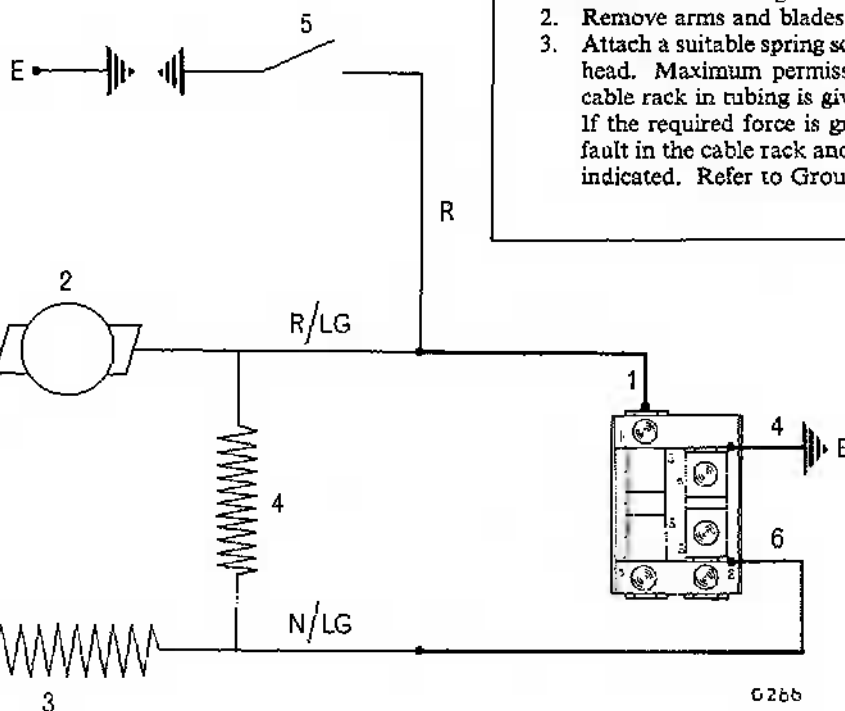


Fig. 93. Component and switch wiring diagram

Voltage Check

1. Connect voltmeter suitable for voltage between supply wire (Colour code—Green) and earth.
2. Select motor ON. Voltmeter reading should be approximately 11.5 volts. If the reading is zero check supply circuit. If the reading is appreciably below 11.5 volts excessive current flow through the motor is indicated. This may be due to a fault in the motor or a fault in the cable rack and tubing assembly resulting in the motor being required to drive an excessive load.

Running Current

1. Remove connecting rod as detailed above.
2. Connect ammeter suitable for running current (See Data) in supply circuit.
3. Select motor ON. Allow to run for 60 seconds. Ammeter reading should then be as given in Data. If the reading is not as stated a fault in the motor is indicated.

Running Speed

1. Remove connecting rod as detailed above.
2. Select motor ON. Allow to run for 60 seconds. Speed of final gear should then be as given in Data. If the speed is not as stated a fault in the motor is indicated.

Force to move Cable Rack in Tubing

1. Remove connecting rod as detailed above.
2. Remove arms and blades.
3. Attach a suitable spring scale to hole in cross-head. Maximum permissible force to move cable rack in tubing is given in Data. If the required force is greater than stated a fault in the cable rack and tubing assembly is indicated. Refer to Group 5.

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