

AUXILEC/SEB

H. Check of brushes

CAUTION : - DO NOT REMOVE BRUSHES OF GUIDES DURING BRUSH CHECK.

- EACH TIME ONE BRUSH IS REMOVED, ALL THE BRUSHES SHOULD BE REPLACED BY NEW BRUSHES.

R
R
R
R
R
R
R
R
R
R
R
R
R
R

(1) Check that the brushes are not greasy, nor nicked, the cables are not burned or unsoldered and the insulating sheaths are in correct condition.

If these items are damaged, reject the set of brushes.

(2) Check of brush length

(a) The upper end of the brushes protrudes or is retracted from the brush guides by < 2 mm (0.078 in.) : do not remove the brushes.

(b) The upper end of the brushes is retracted from the brush guides by > 2 mm (0.078 in.) : remove and discard the four brushes. Reinstall four new brushes as described in "ASSEMBLY AND STORAGE", paragraph 2. B. (5).

3. Electrical checks

A. Check of coils

Lift the brushes and held them in upwards position.

(1) Carry out a continuity check of the "series" winding. If there is no continuity, reject the housing.

(2) Check that the resistance of the shunt winding is 31Ω at 20°C .

If this resistor is defective, place the electrical rotating equipment housing in an oven at 100°C for 1 hour approximately. Then carry out a new resistance measurement. If this value is still outside tolerances, reject the electrical rotating equipment housing.

B. Check of armature (detection of short-circuit)

This check is carried out using a growler.

Place the armature in the "V" of the growler electro-magnet and hold a steel blade on the armature poles.

29-20-03

PAGE 503
NOV 15/87