

### Instructions for installing the space brushes into the Kavan starter:

1. Open the case by unscrewing both Philips screws "A". Then remove the rear cover bearing plate "B" and the cord "C" from the housing "D".
2. Remove both safety catches for the shaft "E", the springs "G" and brushes "H" from both bearing pins "I".
3. Using needle nose pliers you may now remove the plastic wedge "K" located between two cables and pull the cable "L" grasping the brushes "H" toward the inside of the housing about 10 cm. Cut the brushes "H" just behind the metal sleeves "N". Solder, connect and insulate the new ends overlapping it approx 4 mm. Solder the new brushes to the metal sleeves.
4. Now you may replace the cable to the original position and insert the plastic wedge "K" between the cable as it was before.
5. In reversed chronological order you may now replace all component parts including the new brushes "H", the springs "G" and spring supports "F" being certain that the safety catch "E" is placed in the proper position.
6. In order to connect the bearing-bracket again with the motor housing you must preposition the brushes using two thin pins "M" as illustrated on drawing. After this is done you may see on drawing that the motor may now be put together very easily. Tighten the Philips screws "A" and remove the pins "M" to complete the replacement of your spare brushes of the starter.

