

Procédure de remplacements des charbons des moteurs.

Opération devant être réalisée par une personne qualifiée
(Station de dépannage d'électroménager, Electricien ou autres ...)

L'état d'usure des charbons doit être vérifié à partir de 5 années d'utilisation : il est d'usage de procéder à leur remplacement, avec une utilisation normale de votre centrale d'aspiration, entre 5 et 10 ans.

Les charbons sont en vente également dans la boutique en ligne www.beamfrance.com .

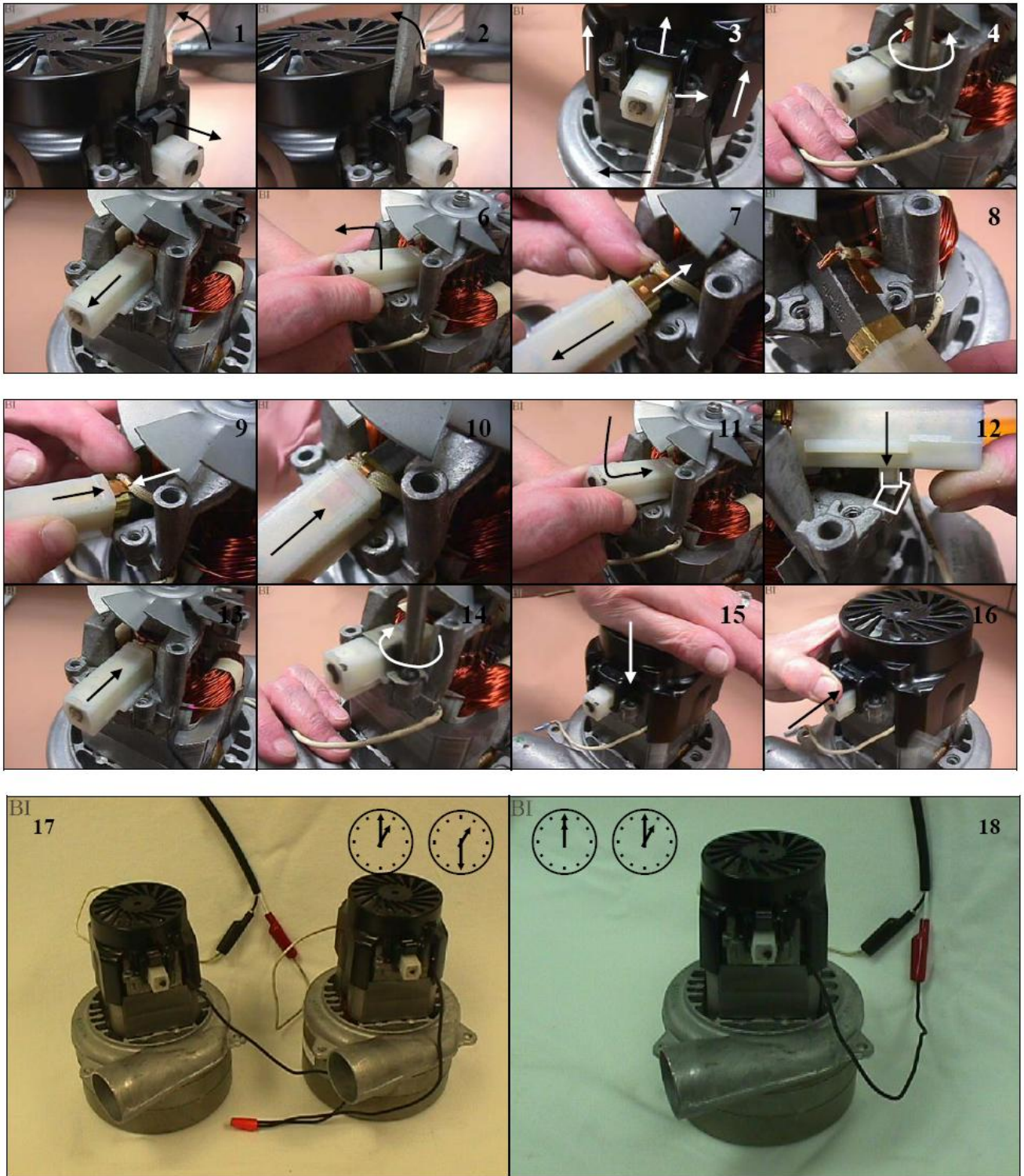
BEAM

CENTRAL VACUUM SYSTEMS



 **Electrolux**

PROCEDURE FOR CHANGING CARBON BRUSHES ON 5.7" (145MM) DIAMETER VACUUM MOTOR



PROCEDURE FOR CHANGING CARBON BRUSHES ON 7.2" (183MM) DIAMETER VACUUM MOTOR



PROCEDURE FOR CHANGING CARBON BRUSHES

The following steps should be followed when changing the carbon brushes on Lamb vacuum motors. For best results, always use original replacement parts.

1. Disconnect motor from the power source before attempting any repair.
2. Disconnect and change the brushes in the following manner:
 - **For 5.7" (145 mm) Diameter Vacuum Motors**
 - For units with metal brush clips, insert a standard blade screwdriver between the side of the fan cover and the end of the metal brush clip forcing each of the clips off (see figs.1, 2).
 - Remove the ventilation fan cover by carefully prying out each pair of the plastic clips away from the lip of the brush mechanism one at a time while pulling the fan cover up and off (see fig.3).
 - Remove brush clamp screws with a Phillips screwdriver (see fig.4).
 - Once the brush mechanism is free (see figs.5, 6), remove the brush lead terminal (see figs.7, 8).

 - To install the new brush mechanism, first insert the brush lead terminal between the nylon insulator and the brass and push in straight by hand. Use the screwdriver to gently seat the terminal in place (see figs.9, 10). Some units will have a blade connector on the brass sleeve of the brush mechanism, simply push the brush lead terminal onto the connector.
 - Insert the locator tab on the bottom of the brush mechanism into the corresponding hole on the top of the commutator end bracket (see figs.11, 12) and secure the brush mechanism with the brush clamp and screws that were earlier removed (see figs.13, 14).
 - Carefully replace the ventilation fan cover and both brush clips (see figs.15, 16).
 - **For 7.2" (183 mm) Diameter Vacuum Motors:**
 - Insert a blade screwdriver under the tab on the brush-retaining clip at the top of the commutator bracket and pry up to remove (see figs.1-3). Some old models will have a brush-retaining clip that is half the size of the current models. In-order to remove these older model clip, a brush removal tool will be needed to pry it up.
 - Remove the brush mechanisms (see figs.4-6) and disconnect the brush lead terminals (see figs.7, 8).

 - Install new brush mechanisms, first connecting the brush lead terminals (see figs.9, 10).
 - Insert the brush mechanism into the motor with the carbon toward the commutator. Make certain that the brush mechanism does not extend outside the diameter of the motor (see figs.11-13).
 - Replace the brush retaining clips (see fig.14), making sure that the clips are pressed below the top surface of the commutator bracket (see figs.15, 16).
3. To properly seat the new brushes to the commutator face and enhance the performance and overall life of the brush, the motor must be run at half voltage for 30 minutes, **Caution: do not seal the vacuum orifice on the bottom of the motor.** If a variac or other voltage control device is not available, two motors (the same model) may be run in electrical series. This reduces the voltage to each motor, as each will receive approximately half of the supply voltage. The following diagram shows the connection of two motors in electrical series. Connect one lead from each motor, using a wire nut. Connect the other two leads to the power source (see fig.17).
4. After running the re-brushed motor for 30 minutes at half voltage, it should run again at full voltage for 60 minutes (see fig.18).

