

- d. Remove the screw holding the handle balance spring to the main casting.
 - e. Remove the spring from the handle control lever.
 - f. Remove the two screws that hold the delrin bearing and the two screws which hold the metal trunion bearing to the main casting. The bag housing is now free of the main casting.
 - g. Pick up cleaner and with handle end resting on bench, lift up on the carrier wheels and slide the main casting down over the bag housing.
 - h. Remove the delrin and trunion bearings noting the position of same.
 - i. Remove the four screws which hold the two halves of the motor case together. Check the gaskets.
 - j. Disconnect the wiring to the motor.
 - k. Loosen the two screws that hold the rear motor support bracket.
 - l. Lift out motor.
 - m. In reassembly, line up the motor gasket with the ribs in the motor casing to form an air-tight seal. The rear motor mount must be positioned on the motor end cap and into the motor support bracket.
3. Dismantling Motor
- a. Remove the motor mounts from each end of the motor.
 - b. Slide off the field coil wires from the terminals.
 - c. Insert a screw driver in the slotted end of the armature shaft and turn off the armature nut counter-clockwise. Be careful not to damage the armature shaft. (Check for end play to indicate a worn bearing before removing nut.)
 - d. Remove the carbon brush retainers and carbon brushes.
 - e. At the rear of the motor, make a scribe mark on the motor end cap and motor casing for ease in assembly.
 - f. Remove the three pins holding the end cap to the motor casing with a punch.
 - g. Remove the end cap by inserting a screw driver in the slots between the end cap and casing. Check the bearing for wear. The service replacement end cap is not drilled and must be drilled after installation on casing.
 - h. Remove armature and other attached parts by pushing on the slotted end of the armature shaft.
 - i. Remove the fibre washer from armature shaft and remove fan nut by turning clockwise. All parts on armature shaft can now be removed. Check fans and washers for wear.