



MODEL C 8

1. PRECAUTIONS IN DISASSEMBLY AND REASSEMBLY:

The circled numbers in the descriptions below correspond to the item numbers in the Parts Lists for the Model C8. During disassembly and reassembly, and at all other times as well, sufficient care must be exercised in handling to ensure that there is no deviation in the flatness of the bottom surface of the base and in its perpendicularity with relation to the saw blade.

1-1. Disassembly

- (1) Prior to attempting further disassembly, ensure without fail that the Saw Blade ⑭ is removed to prevent damage to its cutting edge, and to avoid possible serious accident.
- (2) Remove the Safety Cover ⑦:
First, disconnect the Return Sprig ⑧. Then, loosen the two M4 x 10 Seal Lock Flat Hd. Screws ⑫, and take off the Bearing Cover ⑪. The Safety Cover ⑦ can then be removed.
- (3) Remove the Bearing Holder ③ together with the Spindle Gear ②:
After removing the Safety Cover ⑦ as described above, loosen the two M5 x 14 Seal Lock Flat Hd. Screws ④, and take off the Bearing Holder ③ together with the Spindle Gear ②.

- (4) Separate the Spindle Gear ② from the Bearing Holder ③.

As illustrated in Fig. 1, support the Bearing Holder ③ with an appropriate tubular jig, and push down on the end of the Spindle Gear ② with a hand press to separate the Spindle Gear ② from the Bearing Holder ③.

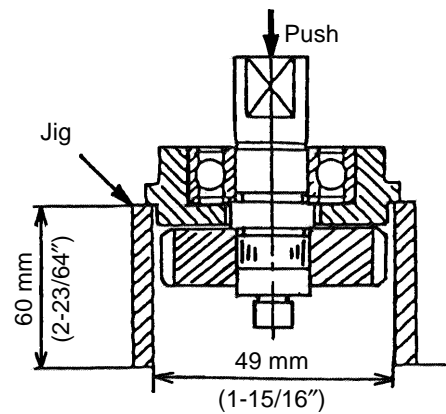


Fig. 1

- (5) Remove the Armature Ass'y ②⑥:

First remove the Carbon Brushes ③⑦. Next, take off the Clamp Lever ⑤⑨, loosen the Clamp Nut ⑥①, and remove the M6 x 20 Bolt ④⑥. Then loosen the M5 x 45 Machine Screws ①⑦, and separate the Housing Ass'y ①⑧ from the Gear Cover ③①. The Armature Ass'y ②⑥ will remain within the Housing Ass'y ①⑧. With a wooden or plastic hammer, tap gently on the outside of the Housing Ass'y ①⑧ to loosen and remove the Armature Ass'y ②⑥. At this time, be very careful not to hit the fan on the Armature Ass'y ②⑥.

- (6) Remove the Base Ass'y ⑤④:

Loosen the M6 Nylon Nut ⑥③, and remove the M6 Special Bolt ⑤⑤. The Base Ass'y ⑤④ can then be separated from the Housing Ass'y ①⑧.

1-2. Reassembly:

Reassembly can be accomplished by following the disassembly procedures in reverse. However, particular attention should be given to the following items.

- (1) Tightening Torque for Fastening Screws:

- M4 Machine Screws 14 - 24 kg.cm (12 - 21 in-lbs)
- M5 Machine Screws 28 - 50 kg.cm (24 - 43 in-lbs)
- M8 x 15.5 Flange Bolt ①⑥ 80 - 120 kg.cm (70 - 105 in-lbs)
- D4 Tapping Screws 15 - 25 kg.cm (13 - 22 in-lbs)
- D5 Tapping Screws 25 - 35 kg.cm (22 - 30 in-lbs)

- (2) Reassembly of the Armature Ass'y ②⑥:

Prior to assembling the Armature Ass'y ②⑥, ensure that the Rubber Ring ③⑩ is properly inserted into the groove of the Bearing Case within the Gear Cover ③①. At this time, be careful not to damage the Rubber Ring ③⑩.

- (3) Reassembly of the Lock Lever ②⑦: (See Fig. 2)

- Position the Lock Lever ②⑦ between the Fan and the 6201VVCMP2S Ball Bearing ②⑨, and carefully assemble it together with the Armature Ass'y ②⑥ into the Gear Cover ③①.
- Carefully ensure that both ends of the Flat Spring on the Lock Lever ②⑦ are properly supported inside the ribs of the Gear Cover ③①, as illustrated in Fig. 2.
- When assembly of the Lock Lever ②⑦ is completed (when the Gear Cover ③① has been assembled to the Housing Ass'y ①⑧ and fastened with the M5 x 45 Machine Screws (w/washers) ①⑦, push the Lock Lever ②⑦ by hand and ensure that it returns smoothly to its original position when released.

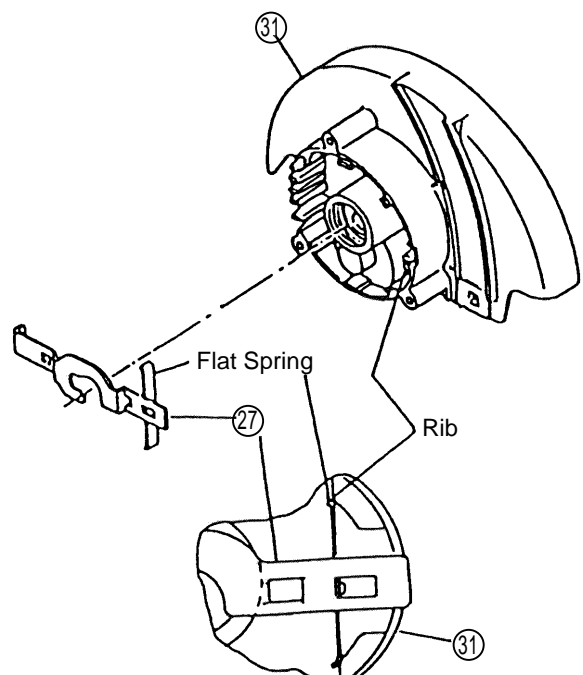


Fig. 2

(4) Lubrication:

Liberal apply designated lubricants as follows:

- Nippeco SEP-3A (Code No. 930035) within the Gear Cover: 15 gr. (.528 oz)
- Multemp PS No. 2 (Code Nos. 939301 or 939536) in the Ball Bearings.

(5) Wiring Diagrams (See Figs. 3 4):

a. For New Zealand:

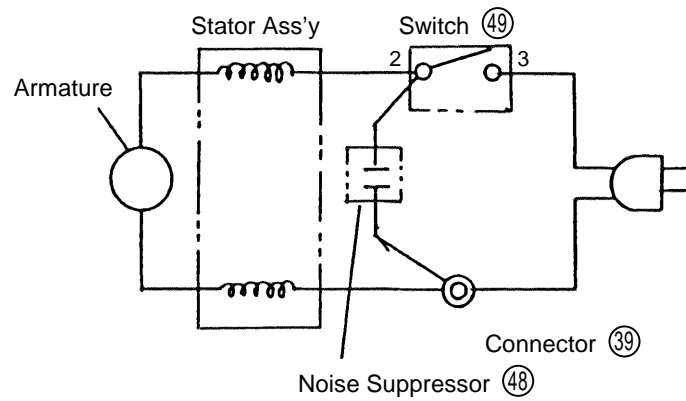


Fig. 3

b. For other countries:

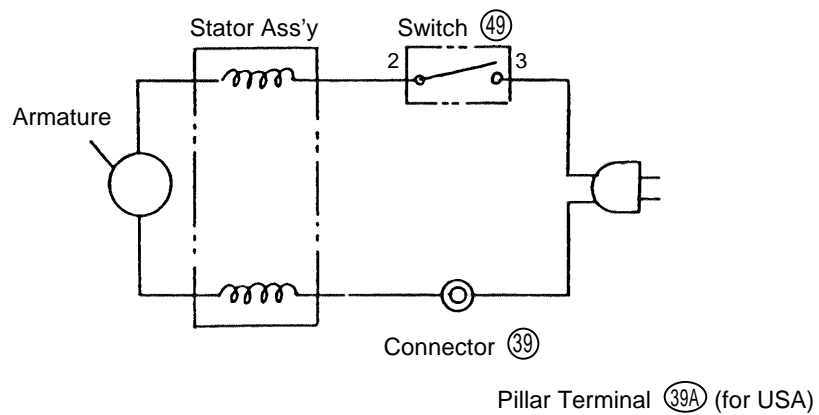


Fig. 4

(6) Internal Wire Arrangement (See Fig. 5):

Connect internal wires as illustrated in Fig. 5.

At this time, ensure that none of the wires are pinched between components during reassembly.

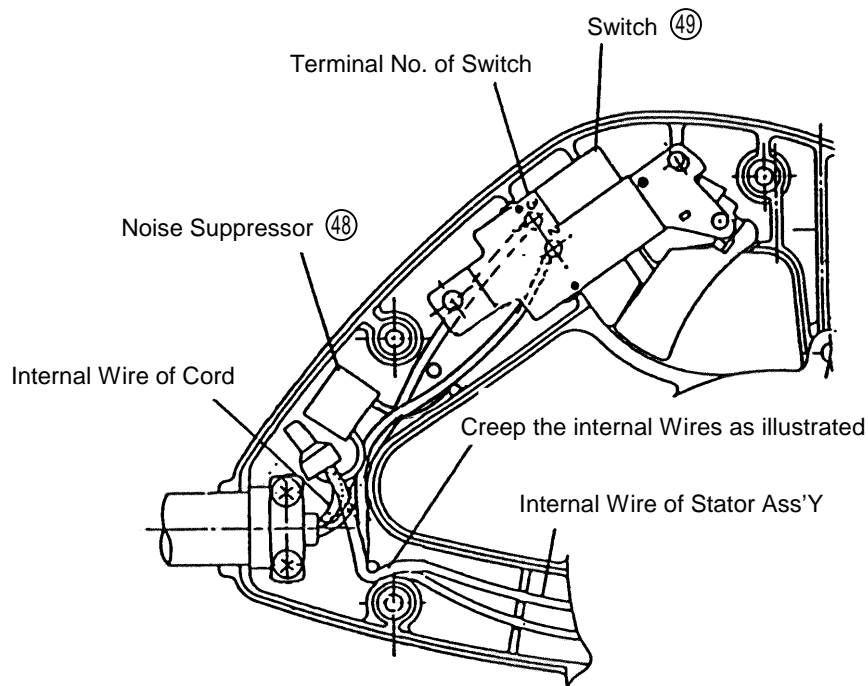


Fig. 5

(7) Insulation Tests:

On completion of disassembly and repair, measure the insulation resistance and conduct dielectric strength test.

Insulation Resistance: 7M Ω or more with DC 500 V Megohm Tester

Dielectric Strength: AC 400 V/1 minute,

with no abnormalities 220 V - 240 V

AC 2,500 V/1 minute,

with no abnormalities 100 V - 127 V

(8) Cleaning the Cover:

Clean the exterior of the tool with a soft cloth moistened with soapy water, and dry thoroughly. Chloric solvent, gasoline, and thinner will cause plastic components to dissolve.