

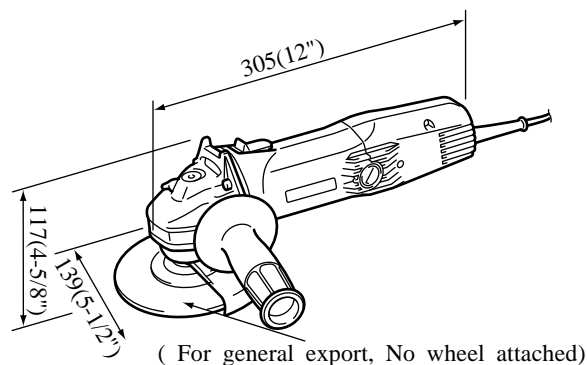
# T ECHNICAL INFORMATION

**Models No.** ▶ 9542

**Description** ▶ 125mm Disc Grinder

## CONCEPTION AND MAIN APPLICATIONS

The 125mm Disk grinder, one-hand type, of which accent is on cutting off works, developed in pursuit of improving power, dust-proof, vibration-proof, and cooling motor.



## ► Specifications

Voltage (V)	Current(A)	Frequency (Hz)	Consuming power(W)	Nominal output(W)	Max. output(W)
100	9.0	50/60	850	390	1,070
115	8.2	50/60	900	450	1,330
200	4.7	50/60	900	450	1,330
220	4.3	50/60	900	450	1,330
230	4.1	50/60	900	450	1,330
240	3.9	50/60	900	450	1,330

<b>Motor</b>	Series commutator motor
<b>Speed at no load</b>	10,000 rpm
<b>Attaching tool size</b> mm (inch)	<b>Grinding wheel</b> Outer dia. 125 x Inner dia. 22.23 x Thickness 6 (5" x 7/8" x 1/4")

## ► Standard equipment

Lock nut wrench 35  
Grip 36 assembly

## ► Optional accessories

Depressed center wheel 125-36  
Inner flange 47 assembly ( super flange)  
Rubber pad 115  
Lock nut 14-48 (for sanding disk )  
Abrasive disk 125-24, 30, 50, 80, 120

## ► Repair

### 1. Various Tapping screws

1) As Tapping screws are used in the Machine, do not fasten by Air diver or Impact driver.

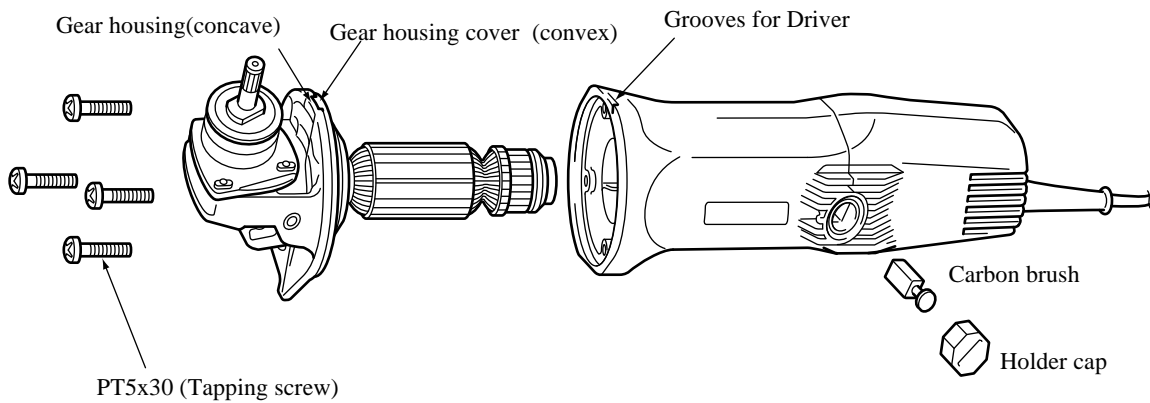
### 2. Exchange of Armature

1) Remove Wheel and Wheel cover each.

2) Remove Carbon brush.

3) Remove Tapping screw PT5x30 fixing Gear housing cover to Motor housing.

4) Insert ⊖ Driver into grooves for Driver between Gear housing cover and Motor housing, and pick out Armature.



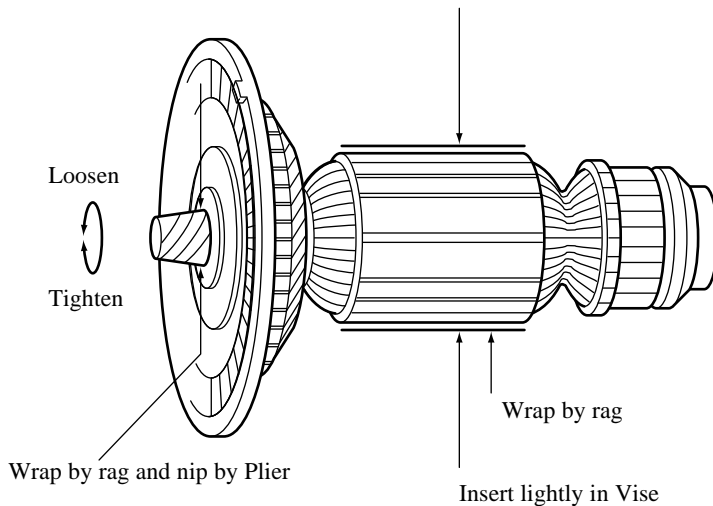
5) Regarding removal of Spiral bevel gear, refer to the item of Gear.

6) When installing Armature in Gear housing, put Concave of Gear housing together with Convex of Gear housing cover and insert them.

### 3. Exchange of Spiral bevel gear 10

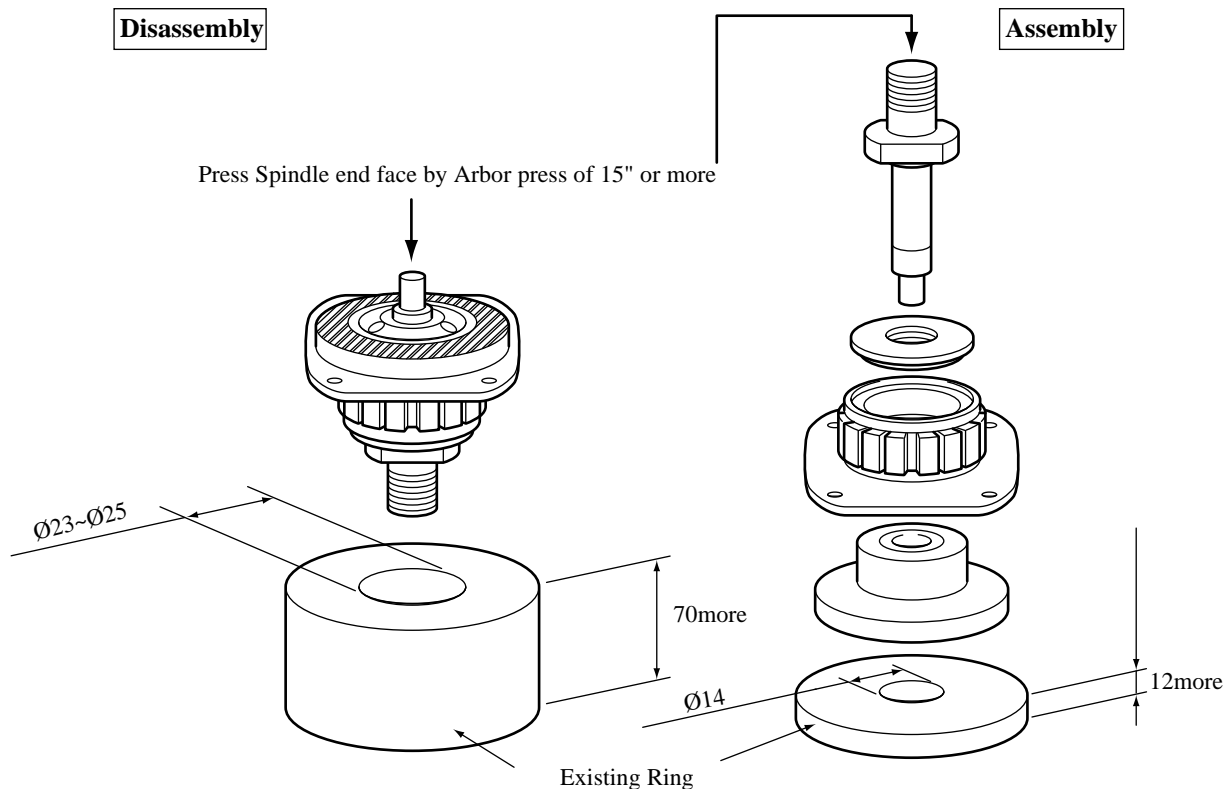
- 1) According to the exchange way of Armature in the above 2, take out Armature.
- 2) Make Armature nipped by Vise lightly, wrap it by rag to prevent from damage, nip the wrapped by plier, and loose n Screw.
 

{ Armature axis and Inside of Gear are fixed by Right-handed screw (normal screw), and Gear is screwed directly to }  
 { Armature }
- 3) In installing Gear, be sure to screw surely in the same way as 2)



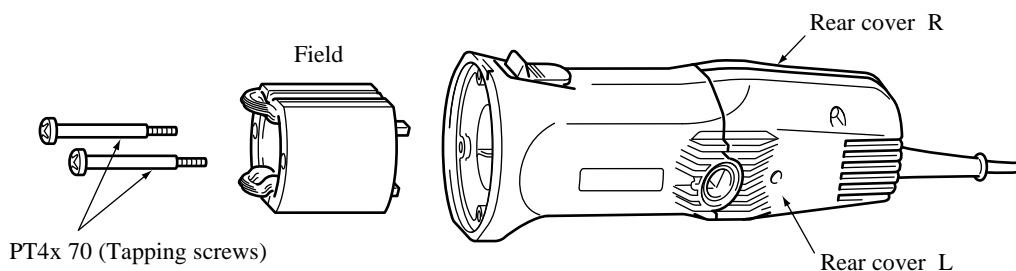
### 4. Exchange of Spiral bevel gear 38

- 1) Remove Wheel and Wheel cover respectively.
- 2) Remove Screw M4x16 fixing Bearing box complete by ⊕Driver.
- 3) Spiral bevel gear 38 is just press-fit in Spindle. Disassemble and assemble as shown in the illustration below.



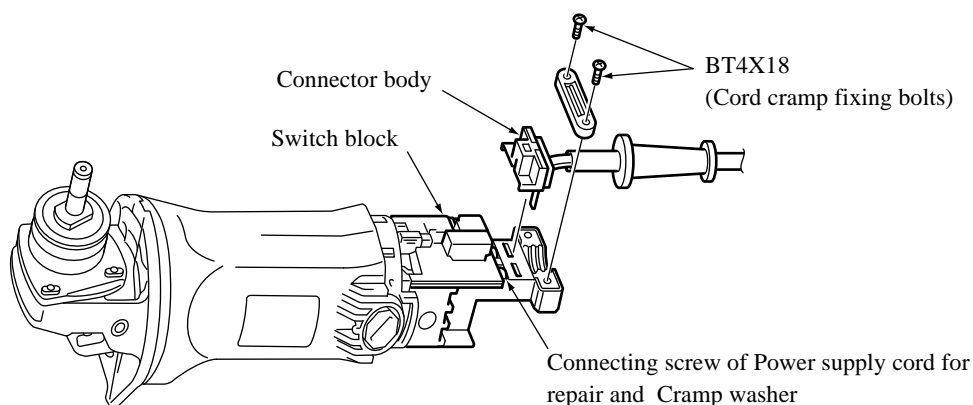
### 5. Exchange of Field

- 1) According to the exchange way of Armature in the above 2), take out Armature.
- 2) Get rid of Baffle plate and remove Field fixing screw (PT4x70).
- 3) As there is no Lead wire, you can take Field out then .



### 6. Exchange of Power supply cord

- 1) Remove Rear cover L and R each ( See the above illustration).
- 2) Remove Strain relief fixing screws (BT4x18).
- 3) Pull out Connector body by hand.
- 4) Power supply cord for repair as a set of Connector body and Cord guard is not available. Power supply cord on the market is usable. As Cord connecting screw (M3, 5x7) and Clamp washer are equipped in a Cord, connect the core wire to them by stranded wire rolling.
- 5) You can use again Strain relief and Cord guard attached to the old cord when exchanging Power supply cord.



### 7. Exchange of Switch and Noise suppressor

- 1) Remove Rear cover L and R each.
- 2) As a plug is used for the connection of Switch and Noise suppressor each, pull them out moving the locks for removal .

