KAD0509007CE

Service Manual

Meat Grinder MK-G1800PWTB s.A



Specification

Rated voltage: AC220-240V Power consumption: 330W Rated power frequency: 50-60Hz 240rpm Feed screw speed Motor protection: Circuit breaker Dimensions: 430(H) x 180(W) x 418(D)mm Weight: Approx. 5.9kg Coarse, Medium, Fine, Accessories: Grinding cutters

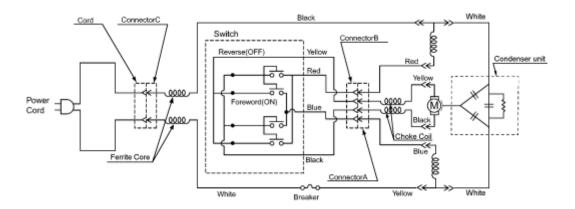
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⚠ WARNING

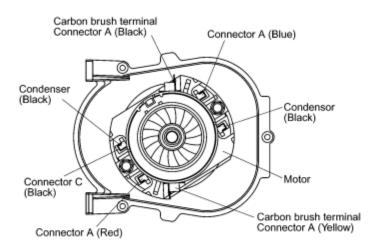
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

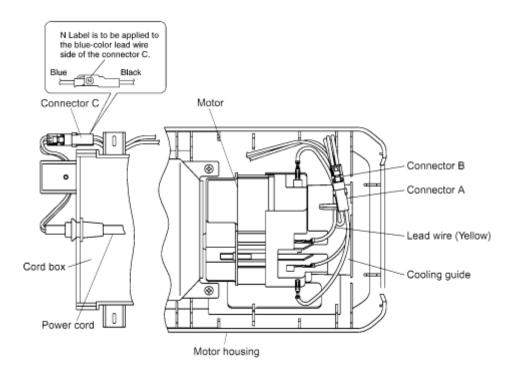
Panasonic®

2 SCHEMATIC DIAGRAM



3 BASIC WIRING DIAGRAM





4 TROUBLESHOOTING GUIDE

4.1 SYMPTOM: A.C. motor interrupted when feeding meat (overloaded).

Causes	Remedy	
Too hard meat being fed.	Take out the hard meat.	
Too much meat being fed at once	Reduce the meat feed rate.	
Used for too long continuously.	Follow the specified operating time.	
Circuit breaker activated.	Switch off and on again to reset the breaker.	

4.2 SYMPTOM : Switch turned on, but A.C. motor failure to start.

Causes	Remedy
Power cord broken.	Replace the power cord.
Lead wire terminal in poor contact.	Repair or replace the lead wire terminal.
Switch in poor contact.	Replace the switch.
Carbon brush worn out.	Replace the carbon brush.
A.C. motor coil broken.	Replace the A.C. motor.

4.3 SYMPTOM: A.C. motor running, but feed screw failure to turn.

Causes	Remedy
Gears worn out.	Replace the gears.
Gears damaged.	Replace the gears.
Feed screw worn out.	Replace the feed screw.
Feed screw damaged.	Replace the feed screw.

4.4 SYMPTOM: A.C. motor running too noisy and meat grinding too slow.

Causes	Remedy
Carbon brush worn out.	Replace the carbon brush.
Gears worn out or damaged.	Replace the gears.
Cutting blade or cutting plate worn out.	Replace the cutting blade or cutting plate.

4.5 SYMPTOM: A.C. motor running noise unusual.

Canaes		Remedy	
Foreign mater caught in gears.	1	ake out the foreign matte	er.
Gears worn out or damaged.	F	Replace the gears.	

4.6 SYMPTOM: Smell of burning from A.C. motor.

Causes	Remedy
A.C. motor insulation degraded.	Replace the A.C. motor.

5 DISASSEMBLY INSTRUCTIONS

5.1 Motor Housing, Bottom Plate and Cord Box - (Fig.1

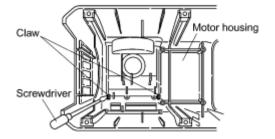
- **Fig.2**)
 - 1. Remove the loking knob for removal of the grinder head section.
 - 2. Remove the set screws (7 pcs.) from the bottom plate for removal thereof.
 - 3. Remove the cord box and cord box cover from the motor housing.
 - 4. Remove the set screws (4 pcs.) from the gear case section and also the other set screws (2 pcs.) from the switch.

 Then, take out the gear case section, the motor assembly, the switch assembly and the cord from the motor housing.
 - 5. Remove the switch cover from the motor housing by folding back the claw sections of switch cover, using a regular screwdriver. (See Fig. 2.)
 - 6. Remove the housing cover from the motor housing.

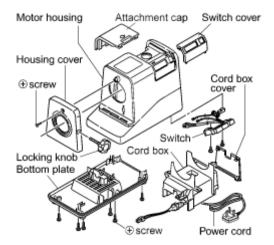
5.2 Power Cord, Switch - (<u>Fig.2</u>)

- 1. Disconnect the connector C from the power cord.
- 2. Disconnect the connector B of the switch.





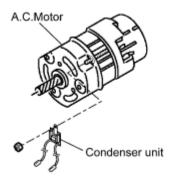




5.3 Removing the Condenser unit - (Fig.3)

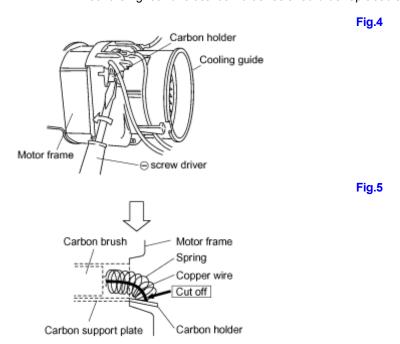
- 1. Disconnect the 2connectors from Motor's terminal.
- 2. Remove the fixnut from the Motor.

Fig.3



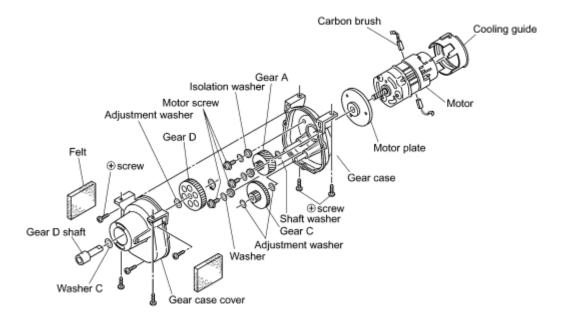
5.4 Cooling Guide and Carbon Brush - (Fig.4 , Fig.5)

- 1. Remove the connector A from the motor.
- 2. Open the two claws of cooling guide.
- 3. Open the carbon holder using a (-) screwdriver as shown in the Figure 4.
- 4. There is a copper wire fixed to the shoulder of the carbon brush. Cut the copper wire using nippers, then pull out the carbon brush. (Figure 5).
- 5. Insert a new carbon brush into the carbon support plate, then close the carbon holder.
- Both the right and left carbon brushes should be replaced at the same time.



5.5 Gear D Shaft, Gear D, Gera C, Gear A and Motor - (<mark>Fig.6</mark>)

- 1. Remove the gear case section and the motor assembly from the motor housing.
- 2. Removal of the set screws (3 pcs.) from the gear case cover will allow removal of the gear case cover section. (In this case the gear D shaft and the gear D remain assembled.)
- 3. Remove "C" type ring for removal of the gear D shaft and the gear D.
- 4. Since the gear C and the gear A are merely inserted in the gear case shaft, pull them out for replacement.
- 5. After the gears C and A are removed, remove the set screws (3 pcs.) of motor fastening the gear case, for replacement of the motor.

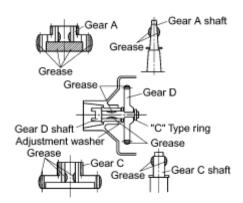


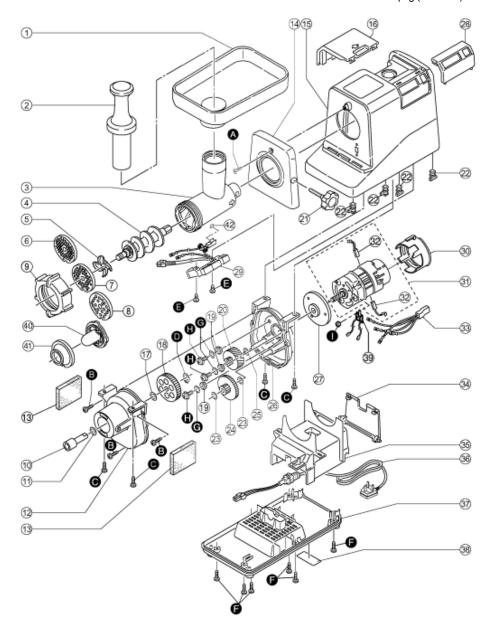
5.6 Sections to be Greased-up(<mark>Fig.7</mark>)

Apply grease to the following sections.

- · engaged sections of each gear
- inner surface of gear case cover bearing
- inner surfaces of Gears A and C bearings
- · shaft sections of Gears A and C







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error on line 898 at column 10: Opening and ending tag mismatch: xref line 0 and html:p
Below is a rendering of the page up to the first error.

7 REPLACEMENT PARTS LIST

Important safety notice :

Components identified by \triangle mark have special characteristics important for safety. When replacing any of these component, use only manufacturer's specified part.

Ref. No.	Part No.	Part Name & Description	Remarks
<u>1</u>	AMM23C-300	Hopper plate	
2	AME04-109-W	Food pusher	
<u>3</u>	AME99-109	Grinder head	
<u>4</u>	AMM98C-300	Feed screw	
<u>5</u>	AMM12C-300	Cutting blade	
<u>6</u>	AME05-109	Cutting plate	Coarse 7.0mm
<u>7</u>	AMM10C-300	Cutting plate	Fine 4.0mm
8	AMM19C-300	Cutting plate	Medium 2.5mm
9	AMM02C-300	Grinder cap	
<u>10</u>	AMM12B-300	Gear D shaft	
<u>11</u>	AMM36B-090	Adjustment washer C	
12	AMM01Q-300	Gear case cover	
13	AMM43B-300	Felt	
14	AMM06A-300	Housing cover	
<u>15</u>	AMA02Y123-W	Motor housing	
16	AMM09A-300W	Attachment cap	
<u>17</u>	AMM17B-090	Adjustment washer A	
<u>18</u>	AMM11B-090	Gear D	
<u>19</u>	AMM30B-090	Isolation washer	
<u>20</u>	AMM03Q-090	Gear A	
<u>21</u>	AMM99A-302H1	Locking knob	
22	AMJ60A-440	Motor housing plate	
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Ref. No.	Part No.	Part Name & Description	Remarks
<u>23</u>	AMU48A-160	Adjustment washer B	
<u>24</u>	AMM04Q-090	Gear C	
<u>25</u>	AMX25B-310	Washer	
<u>26</u>	AMM02Q-300	Gear case	
<u>27</u>	AMM29B-410	Motor plate	
<u>28</u>	AMB92Y123-W	Switch cover	
<u>29</u>	AMA10J1152	Switch	220-240V 🛆
<u>30</u>	AMM36A-410	Cooling guide	
<u>31</u>	SMS-242T	A.C. Motor	220-240V 📤
32	AMM16F-430-2	Carbon brush	2pcs set 🛆
33	AMA22J115	Connector A	
<u>34</u>	AMM12A-300W	Cord box cover	
<u>35</u>	AMM11A-300W	Cord box	
<u>36</u>	AMP91J115	Power cord	S3P 220-240V 🛆
<u>37</u>	AMM98A-300W	Bottom plate	W/Foot
<u>38</u>	AMY10J123	Rating plate	
<u>39</u>	AMQ98J115	Condenser unit	A
<u>40</u>	AMM96C-300W	Kubbe attachment A	
<u>41</u>	AMM24C-300W	Kubbe attachment B	
42	AMU15N-J70	N-label	

8 PACKING INSTRUCTION

