Middleby Cooking Systems Group • 1400 Toastmaster Drive • Elgin, IL 60120 • USA • (847) 741-3300 • FAX (847) 741-4406

Middleby Marshall®

Instructions for Service Kit 66214

PS670/770/870 Burner-Blower Motor Replacement Kit 66214

KIT COMPONENTS:

Qty.	P/N	Description
1	66582	230VAC Burner Blower Motor & Fan Assy
1	59132	Relay, 24VDC Coil
1	66580	Wireset & Fasteners

TOOLS REQUIRED:

- Wrench with hex sockets
- Snips & Crimps
- Screwdriver & Drill

This Service Kit replaces the 24VDC Burner-Blower Motor & Fan Assy on the WOW-70 series oven with the 208-240VAC Burner-Blower Motor & Fan Assy and a 24VDC switching relay.

> ***WARNING***
> *BEFORE PERFORMING ANY SERVICE WORK, THE ELECTRICAL POWER SUPPLY AND THE GAS SUPPLY MUST BE TURNED OFF.*

1. Disconnect the oven from its electrical power supply at the circuit breaker/fused disconnect. **Always employ OSHA lockout-tagout procedure.**
2. Disconnect the butt-splice connectors to the blower.
3. Remove the current combustion/burner-blower motor. If the new burner-blower has a different air shutter, then reposition the old air shutter on the new burner-blower.
4. Remove motor hose clamp and bracket. Secure the new clamp 27272-0006 with #10 washer 21475-0001 and the screw removed from the previous bracket into the rightmost hole vacated by the previous bracket.
5. The Frequency Drive Hertz Inverter must be shifted to the left as far as possible on the din rail as this new blower motor fan assy is longer than the original.
6. The combustion air pressure switch must also be relocated to provide space for the new burner-blower assy. (see figure 1) Connect the new silicon tubing, cutting to proper length.

> ***IMPORTANT:*** *The relocated air switch MUST be in the vertical position or it may not function properly.*
> ***NOTE:*** *Air switch tubing must* ***not*** *kink!*

7. Position the new combustion burner-blower motor 66582 into the newly mounted clamp 27272-0006 and secure.
8. Slip the flexible aluminum tubing over the burner-blower exit port and secure with existing hose clamp.
9. Mount the new 24VDC Coil relay 59132 on the front panel next to the existing conveyor relay with the self-drilling screws (2000852).
10. As the new relay coil is controlled by the existing wiring, connect the orange and black 24VDC wires that went to the old blower to the supplied orange and black extension wires to terminals 7 & 8 on the relay (the coil contacts of the new relay)
11. As the new burner-blower uses 208-240VAC, the suggested source of power would be the supply side terminals "L" & "N" of the 24VDC power supply unit.
12. Add two wires (supplied 6" blue and brown) from these two "L" & "N" terminals and secure to the common relay posts 5 & 6 of the 24VDC power supply unit.
13. Add two jumper wires (supplied 3" blue and brown) to the normally open terminals 3 & 4 on the new relay and connect the other end of the wires to the new burner-blower motor power leads.
14. Wire tie off and secure all wiring in control panel. Check main wire bundle as it flexes when closing the contro panel door.
15. Attach the new wire diagram label (66257) over existing wire diagram on the front door panel.
16. Restore the gas and electric supply to the oven. The oven is now ready to be tested for operation. Please verify operations and complete cycling of unit!

Figure 1