



WAVEJET MICROWAVE OVEN

COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

WAVEJET[®] MICROWAVE OVEN 28 VOLTS DC

Part Number 400-1338-02

Part Number 400-1409-02

Part Number 400-1746-02

Part Number 400-1860-01



a division of The Richards Corporation

DESIGNERS AND MANUFACTURERS OF AIRCRAFT GALLEY INSERT EQUIPMENT

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INTRODUCTION

1. GENERAL

- A. This manual has been compiled in accordance with the general requirements set out in specification ATA 2200. It is intended for provision of such data as is necessary for an approved repairer to return an unserviceable Wavejet Microwave Oven to a serviceable condition.

2. LAYOUT OF MANUAL

- A. This manual contains a general description and operating instructions followed by data for maintenance, repair, disassembly and assembly of the Wavejet Microwave Oven.
- B. This is followed by an Illustrated Parts List which gives detailed information to requisition, store and issue replaceable parts for the Wavejet Microwave Oven.

3. REVISION SERVICE

- A. This manual will be updated as required by revisions.
- B. Service Bulletins may be issued separately. Their effect on the manual will, however, be made evident by reissue of the Service Bulletin List as appropriate.

4. MANUFACTURER

- A. The Wavejet Microwave Oven is manufactured by:

TIA, a division of The Richards Corporation
44931 Falcon Place
Sterling, VA 20166

Telephone: (703) 471-8600
Fax: (703) 481-5007
Email: TIA@TIAPRODUCTS.COM
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LEADING PARTICULARS

1. Dimensions:

Exterior:

Model	Height	Width	Depth
400-1338-02	13.0"	13.0"	15.76"*
400-1409-02	13.0"	13.0"	16.31"*
400-1409-02-R-N	13.0"	13.0"	14.75"***
400-1409-02-L-N	13.0"	13.0"	14.75"***
400-1860-01	13.0"	13.0"	16.31"*

* Microwave depth measurement includes Mounting Bracket.

** There is no mounting bracket with this model.

Interior:

Model	Height	Width	Depth
400-1338-02	6.0"	11.0"	12.0"
400-1409-02	6.0"	11.0"	12.0"
400-1409-02-R-N	6.0"	11.0"	12.0"
400-1409-02-L-N	6.0"	11.0"	12.0"
400-1860-01	6.0"	11.0"	12.0"

2. Weight:

Microwave Oven with
Mounting Bracket and Connector: 35 lbs.

3. Electrical Power Requirements

Input Voltage: 28 VDC
Wattage (Input): 1000 Watts
Wattage (Output): 500 Watts



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DESCRIPTION AND OPERATION

1. GENERAL DESCRIPTION

The Wavejet Microwave, shown in Figure 1, is a compact unit with rugged construction and high performance reliability. It's rated at 500 watts output and provides uniform heating. The main features include a 4-digit LED display, an advanced safety interlock system, computer quality cooling system for magnetron, EMI and RFI-shielded and, a solid state cooking timer.

Wavejet Microwave Ovens' features include:

- Aviation quality
- Rugged construction
- Advanced, fail-safe safety interlock system
- Mounting bracket for easy installation and removal (where applicable)
- Exceeds UL requirements
- Tested for RTCA/DO-160D
- High performance reliability
- Electro-polished interior for easy cleaning
- Uniform heating
- 10.75" carousel included
- Overheat protection
- Solid state cooking timer, unaffected by momentary power interrupts

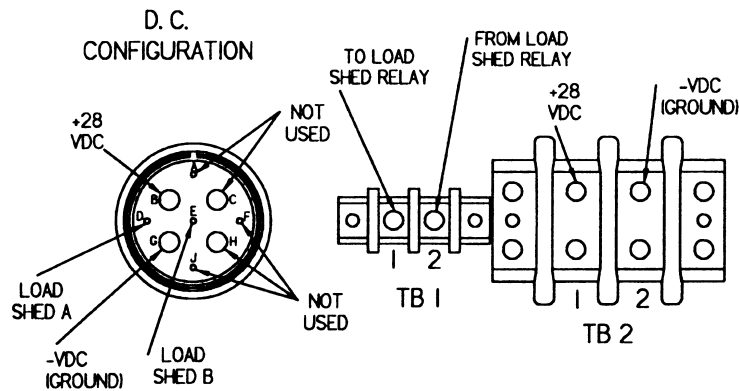
The unit is available in both curved and flat front and Left Hand or Right Hand hinge configurations depending on the preferences and requirements of the customer. Model 400-1338-02 has a flat front switch panel and door configuration. Models 400-1409-02, 400-1746-02 and 400-1860-01 have a curved front switch panel and door configuration.

A. Load Shed Circuit

This microwave has the capability for a load shed circuit. To utilize the load shed circuit, Terminals TB1-1 and TB1-2 located on the galley bracket, must be connected to each other for the unit to operate. If the installation does not use this feature, the jumper (see Figure 1004, Item 80) must be installed across TB1-1 and TB1-2 on the galley bracket or pins D and E on the input connector for the oven to operate.



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1. The load shed circuit on microwave oven, Part Number 400-1860-01, is protected by a 4A internal fuse.
2. The load shed circuit on microwave ovens, Part Numbers 400-1338-02, 400-1409-02, and 400-1746-02, are not protected by an internal fuse and carry a 2A maximum normal current.

B. Ventilation Requirements

The Wavejet Microwave requires unobstructed air at the rear inlets at an inlet air temperature not exceeding 35° C. The unit dissipates approximately 500 watts of heat via two 3-inch diameter fans located in the top rear portion of the unit. Cool air is drawn into the two ports located in the top rear of the unit and warm air is ejected out the ports located in the lower portion of the unit. For proper cooling of the microwave oven, it is strongly recommended to prevent the mixing of the cool inlet air with the warm exhaust air. The unit has its own fans but they must have a fresh air supply and a way to exhaust the warm air. There are three ways to do this:

1. Provide a space around the unit that is separated top to bottom with a piece of foam or rubber (baffle) that allows the air to come in the top and go out the bottom. Figure 2 shows the suggested installation to properly channel the air using baffles.
2. Provide an intake at the rear and at the top of the cavity plus an exhaust at the rear bottom. Both to be approximately 10 to 14 inches².



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3. Provide good circulation behind the unit with a separate fan that would both supply fresh air for the intake and exhaust the warm air.

C. Overheat Protection

The Wavejet Microwave incorporates Overheat Protection to deactivate the microwave in the event of an overheat condition or to prevent an overheat from occurring. There are 4 components to the overheat protection outlined below.

Altitude Switch: The altitude switch prevents the microwave from operating when a loss of cabin pressure has occurred. The altitude switch turns the microwave OFF when the cabin pressure exceeds 10,000 feet. If the altitude switch failed to open when the pressure exceeded 10,000 feet, the microwave might overheat and result in tripping one or more of the following thermostats.

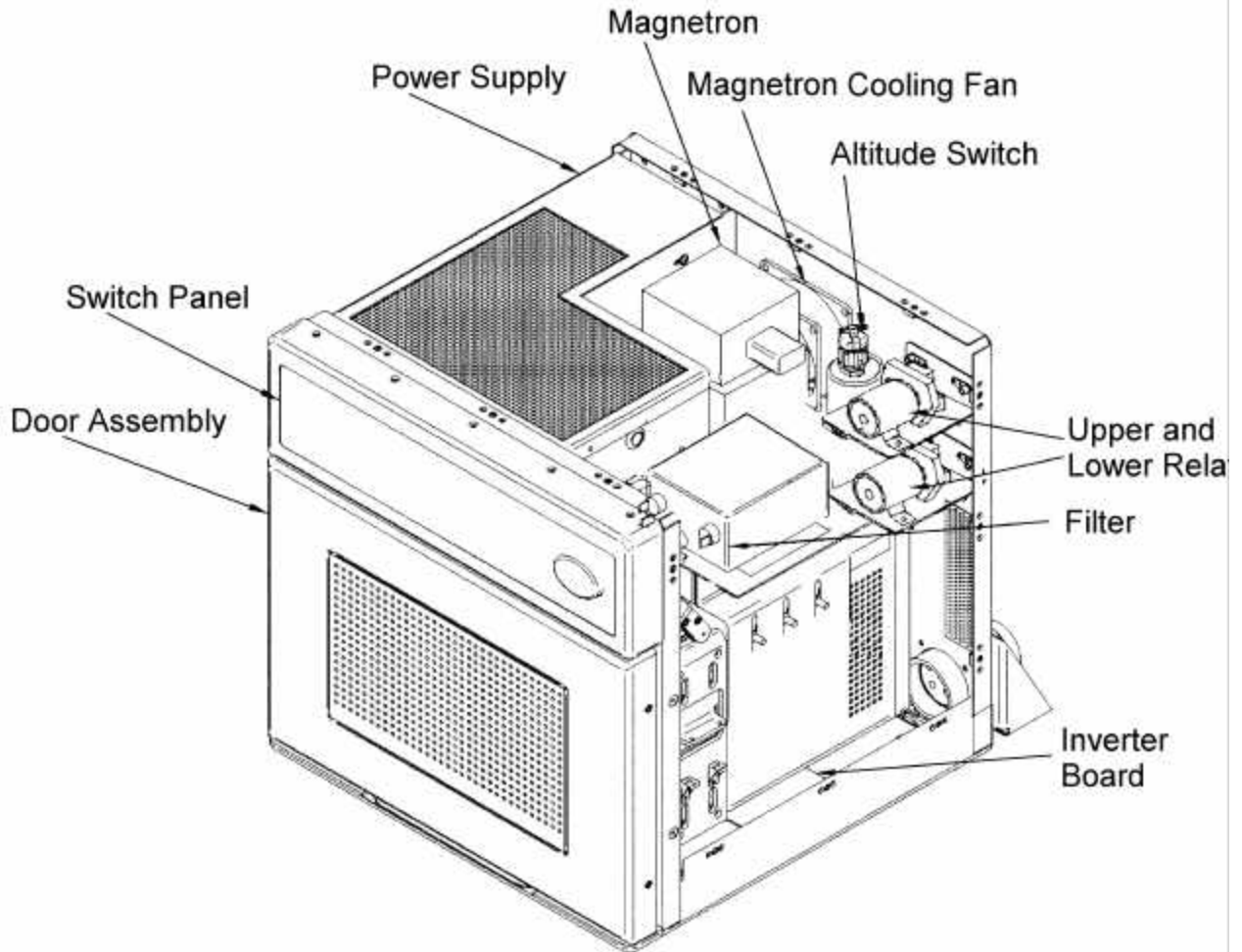
High Voltage Transformer Overheat Thermostat – This Overheat Thermostat is located within the high voltage transformer and turns power OFF when the transformer exceeds its normal operating temperature. The overheat automatically resets when the transformer cools down. The overheat is part of the power supply assembly and is not field replaceable.

Magnetron Overheat Thermostat – This Overheat Thermostat is located on the Magnetron and will trip if the magnetron exceeds its' normal operating temperature. This thermostat will turn the microwave OFF. If the magnetron overheat thermostat does trip, the microwave must be removed from the aircraft, the outer wrap removed from the microwave, and the overheat manually reset.

Liner Overheat Thermostat – This Overheat Thermostat is located on the exterior surface of the stainless steel oven liner and senses the temperature of the inside of the cooking chamber of the microwave oven. The liner overheat thermostat will deactivate the microwave oven if the cooking chamber gets too hot and will automatically reset when the microwave cools.



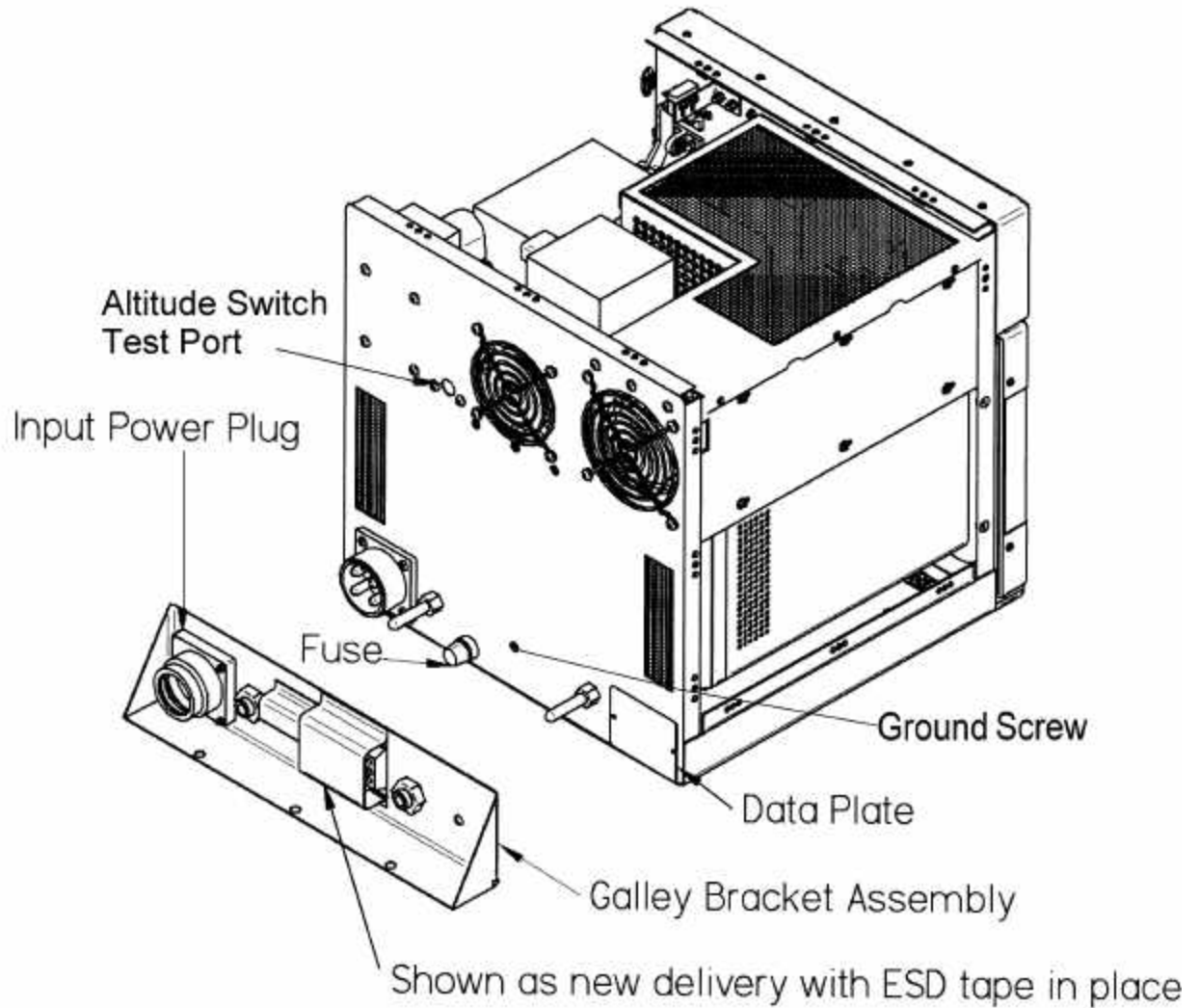
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**Figure 1. Component Layout (Page 1 of 4)
Model 400-1338-02-L Shown**



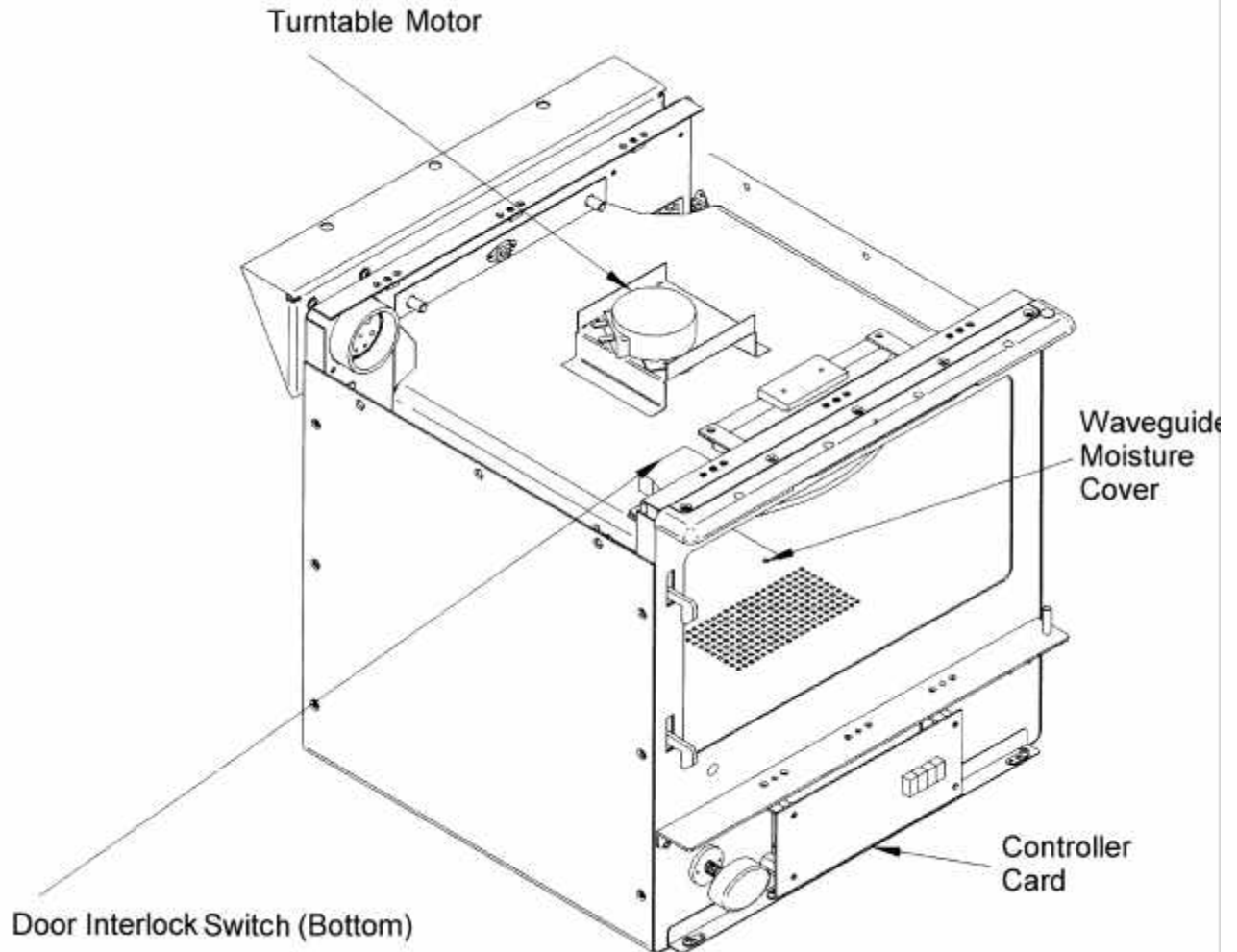
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**Figure 1. Component Layout (Page 2 of 4)
Model 400-1860-01 Shown**



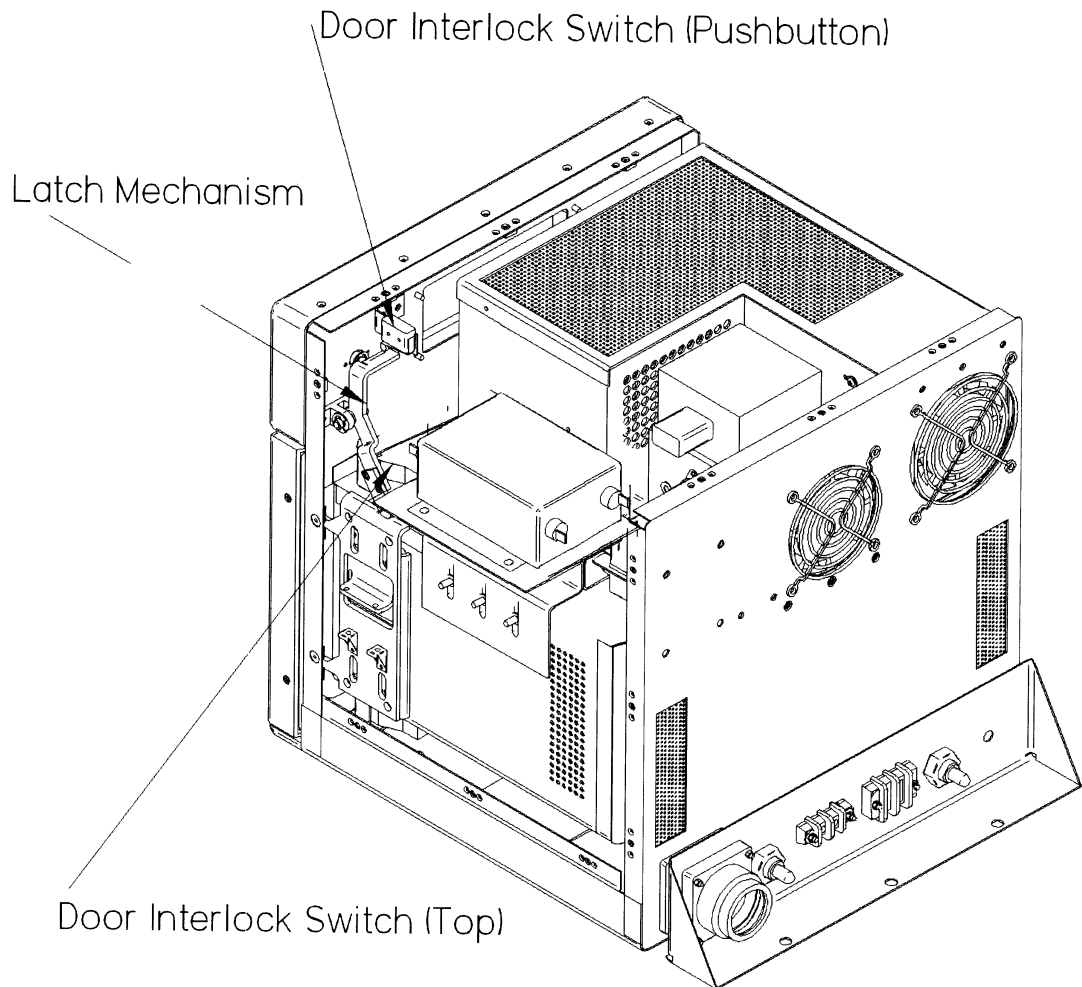
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**Figure 1. Component Layout (Page 3 of 4)
Model 400-1338-02-L Shown**



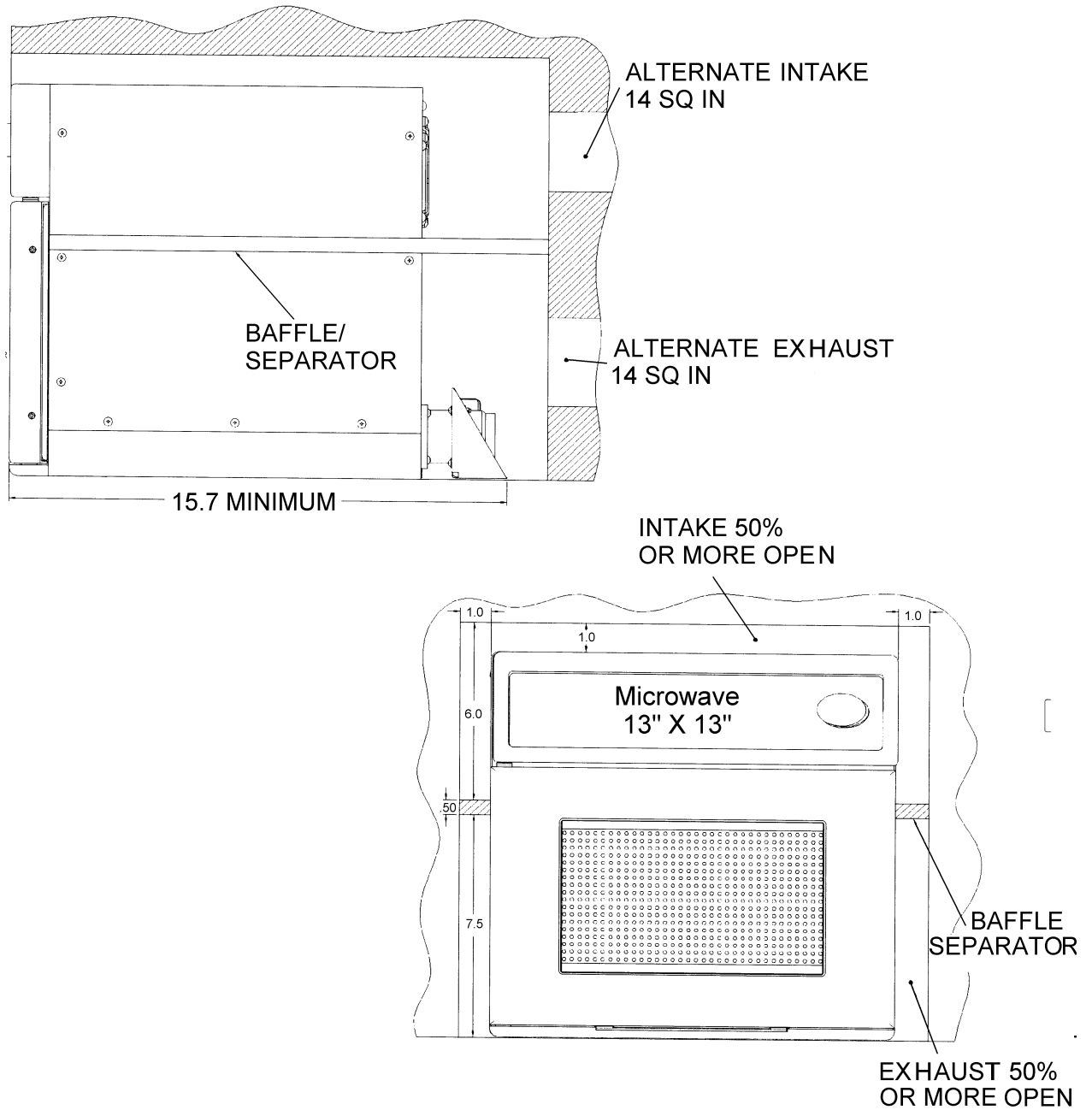
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**Figure 1. Component Layout (Page 4 of 4)
Model 400-1338-02-L Shown**



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**Figure 2. Microwave Cooling Requirement
(Dimensions are in inches)**



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2. OPERATION

CAUTION: Always have food or liquid in the microwave when it is ON to absorb the microwave energy.

A. Push door button on facia/switch panel to open microwave door.

NOTE: The light inside the microwave comes ON when the microwave door is open and during cooking.

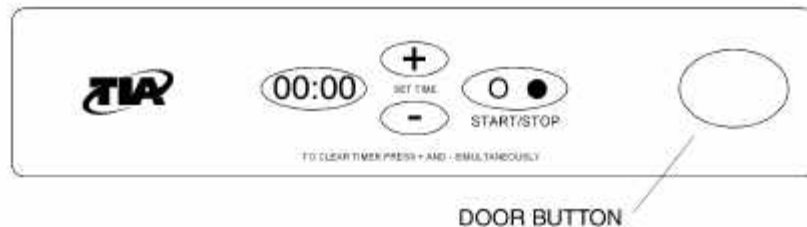
B. Slide food into microwave.

C. Close door by pushing firmly shut until latched.

NOTE: Microwave oven will not work with door open. It must be closed.

D. Set desired cooking time by depressing + button. The time will appear on the display in one second increments. Depress and hold the button and timer will accelerate.

E. Press Start/Stop button to begin cooking cycle.



**Figure 3. Facia/Switch Panel
(P/N 400-1338-02-L Shown)**

NOTE: Curved front (400-1409-02, 400-1746-02, 400-1860-01) and flat front (400-1338-02) facia/switch panels are identical in button placement. Only the shape of the panel is different.

F. During cooking cycle, you can perform 2 functions:

1. Depress Start/Stop button to turn microwave off.
2. Depress + or – button to increase or decrease the cooking time.



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G. A chime will sound to indicate the completion of the cooking cycle.

NOTE: Upon completion of the cooking cycle, the display will register 00:00 until a new cooking time is entered. The microwave oven will absorb power outages of short duration (less than 15 seconds). When the power drops, the oven will stop if operating but the display will retain the cooking time. When the power returns, the oven will return to operation.

3. Cold Weather Precautions

No special cold weather precautions are required.

4. Storage Instructions

A. Preparation for Storage

- (1) Ensure that the internal cavity of oven is dry and clean to prevent any possible corrosion.
- (2) Store upright in a clean, dry location where unit will not be subject to dents or other damage.
- (3) Whenever possible, units should be stored in the shipping or packing containers originally provided by the manufacturer.

NOTE: Inserts may be stacked in accordance with standard warehouse practices. Do not stack insert units over three items high.

- (4) If inserts are to be stacked, a separator of ¼" plywood or similar protective device is to be placed between units to insure against damage to finish or component parts.

B. Short Duration Storage

NOTE: No special protection is required if the units are stored less than three months.

C. Extended Duration Storage

- (1) Wrap the units in water repellent material (Federal Spec. VV-P-271 or equivalent) and enclose silica gel packages to absorb moisture.



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TESTING AND TROUBLESHOOTING

WARNING

FOR SAFETY REASONS, TWO PEOPLE SHOULD ALWAYS BE PRESENT DURING ALL TESTING AND TROUBLESHOOTING. WHEN POWER IS APPLIED TO THE UNIT, LETHAL VOLTAGES IN EXCESS OF 5000 VOLTS ARE PRESENT WITHIN THE MICROWAVE OVEN. DO NOT ASSUME THAT ANY ELECTRICAL CONNECTION IS SAFE TO TOUCH SINCE MALFUNCTIONING COMPONENTS COULD CAUSE DANGER. A SAFE CONNECTION COULD BECOME HOT AND DANGEROUS.

MAKE CERTAIN THAT A GOOD ELECTRICAL GROUND BETWEEN CHASSIS AND EARTH IS MAINTAINED AT ALL TIMES.

NOTE: Extreme care must be taken to avoid measuring probe slippage or accidental shorting of terminals while power is applied to units.

1. General

- A. This section consists of the following two subsections: Testing and Troubleshooting.
- (1) The Test subsection is a general functional test of the microwave oven to determine in which area a fault may have occurred.
 - (2) The Troubleshooting guide describes the most common possible faults and their remedies. It is meant to serve as a general guide and assumes that all internal wiring and power connections are correct.

2. Testing

- A. Equipment Needed:

Microwave Survey Meter
Thermometer $\pm 1^{\circ}$ F
Volt/Ohm meter

- B. Functional Test:

1. Power Output Test: Performed to determine if the microwave oven is heating to specification.



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- A. Fill a microwave safe container with 1 liter of water exactly.
 - B. Using the thermometer, measure the temperature of the water.
 - C. Put water container into the microwave. Heat the water for 65 seconds.
 - D. Using the thermometer, measure the water temperature after Step C.
 - E. Record the difference in water temperature from the beginning of the test to the end of the test. The temperature rise indicates the power output for the microwave. 8° F is the minimum acceptable temperature rise.
2. Carousel Operation: Observe the operation of the carousel through the door of the microwave. The tester should observe that the carousel turns when the microwave is in operation.
3. Door Leakage Test:
- A. With the door closed and a load inside the Microwave Oven, turn the microwave on. Using the microwave survey meter, measure the area where the door gasket contacts the liner around the entire perimeter of the door.
 - B. The door leakage must be $< 1 \text{ MIL-WATT/CM}^2$. If the door or door gasket has been replaced, this test must be performed.
4. Burn-In Test: Only required when the Power Supply, the Magnetron or both parts are replaced. Operate the microwave with a load inside for 20 minutes. During the test, the microwave should operate continuously and remain ON.
5. Input Power: Check the input current draw routinely for the following:
- Voltage: 28 VDC
Amperage: 35 Amps \pm 10%
6. Interlock Switch Operation: With the door open, the Microwave Oven should not operate (draw current). If it does, shut down the oven immediately and return to TIA.
7. Control Panel Operation: The On/Off, Plus and Minus buttons must operate correctly.



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3. Troubleshooting

A. The following troubleshooting guide lists common potential faults that may occur in this equipment.

NOTE: All wiring connections have been verified and all terminal board connections are tight.

B. For any recurring or unlisted fault conditions, call TIA directly for technical assistance.

C. Perform Fault Isolation Procedures

If the unit fails the normal operational functional tests, proceed to check out the various test points as described in the following tables. This will localize major defects. The readings given are for a normal unit operating within specification. During the functional test, the failure mode or problem may become known. To determine the location of the specific defective components, a methodical troubleshooting approach should be implemented. A probable cause of failure chart and fault isolation chart is provided. The first step is to evaluate the UUT (Unit Under Test) by referring to the probable cause of failure chart.

Probable Cause of Failure Chart

Symptom	Fault Isolation
The display (numbers) are not illuminated.	<p>A. No or low input voltage. Measure input voltage. Voltage should be 28 Volts DC.</p> <p>B. Check load shed circuit on aircraft.</p> <p>C. Check load shed fuse in microwave. (P/N 400-1860-01 only)</p> <p>D. Noise filter failure. Check noise filter.</p> <p>E. Controller card failure.</p> <p>F. Check liner overheat thermostat.</p>
Display is active, controls are unresponsive.	<p>A. Check switch panel overlay for failure.</p> <p>B. Check controller card for failure.</p>
Display is active, +/- respond, but will not count down when "Start" is pressed. Inside lamps stay on.	Check all door interlock switches. One or more may be stuck open or need adjustment.



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Symptom	Fault Isolation
Display is active, +/- respond, counts down when "Start" is pressed. Turntable does not turn and microwave does not heat.	<ul style="list-style-type: none"> A. Check magnetron thermostat to see if it is open. B. Verify cabin altitude is less than 9,000 feet. C. Check altitude switch. D. Check for controller card failure.
Display is active, +/- respond, counts down when "Start" is pressed. Turntable does not turn and microwave heats.	<ul style="list-style-type: none"> A. Check for inverter board failure. B. Check for turntable motor failure.
Display is active, +/- respond, counts down when "Start" is pressed. Turntable turns and microwave does not heat.	<ul style="list-style-type: none"> A. Check for relay failure. B. Check for noise filter failure. C. Check for power supply or magnetron failure.
Display is active, +/- respond, counts down when "Start" is pressed. Turntable turns and microwave heats. Lamps do not light.	Lamps have burned out and need to be replaced. TIA recommends that the lights be replaced in sets.
Liner or Magnetron thermostat opens frequently.	<ul style="list-style-type: none"> A. Check that microwave installation allows for adequate fan ventilation. B. Check for power output.

WARNING

ALWAYS HAVE TWO PEOPLE PRESENT DURING TESTING. NEVER PROBE HIGH VOLTAGE.

CAUTION: Always have a load inside the microwave when operating (a cup of water). A load is necessary to absorb the microwave energy. Operating an empty oven can cause significant damage to the oven. Always verify water has not evaporated during testing.

FAULT ISOLATION TABLE

Component	Test		Result	Action Taken
	From	To		
Filter (with Power Disconnected)	Line Side	Load Side	<100 OHM	If any of these are not met, filter must be replaced.
	Filter, Between Line Terminals		>1000 OHM	
Relay Pair (cover off, 500 ml of water in oven cavity)	NOTE: TIA recommends that the relays be replaced in pairs, as they operate in tandem. Relays should wear out at approximately the same time.			



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Component	Test		Result	Action Taken
	From	To		
Power Connected, Microwave Off	Upper Relay, Terminal A1	Chassis	0 VDC*	If any of these conditions are not met, both relays must be replaced. * Checks to determine if relay contact is open.
	Lower Relay, Terminal A1	Chassis	0 VDC*	
Power Connected, Microwave On	Upper Relay, Terminal A1	Chassis	28 VDC**	If any of these conditions are not met, both relays must be replaced. ** Checks that relays are closed and transmitting power.
	Lower Relay, Terminal A1	Chassis	28 VDC**	
Altitude Switch (P/Ns 400-1338-02, 400-1746-02 and 400-1409-02) (Cover Off, Power Disconnected)***	Terminal B (on switch)	Terminal H (on switch)	<100 OHMS	If conditions are not met, replace altitude switch.
*** Altitude switch connector should be unplugged for access to the test points.				
Altitude Switch (P/N 400-1860 only) (Cover On, 500 mL water in the cavity, Power Connected, Microwave On Connect vacuum pump to 1/8 NPT fitting on rear of unit.	Apply 556 mmHg of vacuum to simulate altitude of 8,400 ft.		Unit heats water, turntable turns.	If conditions are not met, replace altitude switch.
	Apply 523 mmHg of vacuum to simulate altitude of 10,100 ft.		Unit does not heat water, turntable does not turn.	
Magnetron Fan (Cover Off, Power Connected, Oven is ON)	Upper Relay, Terminal X1	Upper Relay, Terminal X2	28 VDC	If condition is met and fan does not run, replace fan.



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Component	Test		Result	Action Taken
	From	To		
Inverter Board (Cover Off, Power Disconnected)	Disconnect and remove inverter board. Apply +28 VDC to Red and Ground to Black. The two white wires should show 80V AC, 60 Hz.			If condition is not met, replace inverter board.
Turntable Motor (Cover Off, Power Disconnected)	Check inverter board. If inverter board supplies the correct voltage and turntable motor does not turn, motor is defective.			Replace turntable motor.
Lamps (Power Connected, Microwave Oven On, Cover Off)	Observe whether both lamps are on.			If either lamp is out, replace both lamps.
Controller	N/A	N/A	N/A	If all troubleshooting attempts lead to suspicion of controller card failure, replace controller and retest.
Switch Panel Overlay	N/A	N/A	N/A	If all troubleshooting attempts lead to suspicion of switch panel overlay failure, replace and retest.
Power Supply or Magnetron Failure	DO NOT ATTEMPT TO MEASURE VOLTAGE AT POWER SUPPLY OUTPUT TO MAGNETRON (HIGH VOLTAGE LEADS TO MAGNETRON). LETHAL VOLTAGES ARE PRESENT.			If power output is less than 8°F, return the microwave to the factory for service.
	Perform power output test as outlined in Testing and Troubleshooting, Section 2B.			
Magnetron Overheat Thermostat (Cover Off, Power Disconnected)	<ol style="list-style-type: none"> 1. Check resistance across Thermostat. 2. If Resistance > 10 ohms, try to reset thermostat by pressing center button. 3. Recheck resistance across Thermostat. 			If resetting thermostat does not bring resistance to < 10 ohms, replace thermostat.
Linear Overheat Thermostat (Cover Off, Power Disconnected)	Check resistance across Thermostat.			If Resistance > 10 ohms, replace thermostat.



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Component	Test		Result	Action Taken
	From	To		
Door Switches (Cover Off, Power Connected, Microwave Off)	1. Open door and verify lamps illuminate. 2. Close door and lamps extinguish.			If lamps fail to extinguish, one or more of the door switches is stuck open or out of adjustment. 1. Adjust by loosening mounting hardware and moving switch assembly to improve actuation. 2a. If switch is suspected of being stuck open, check continuity across switch when switch is in the closed position. If greater than 10 ohms, replace switch. 2b. With switch in open position, check continuity across switch. If less than 10 ohms, replace switch.



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DISASSEMBLY

1. General

NOTE: Since complete disassembly is impractical and undesirable, only the following items should be removed as required: those which have been definitely established by Check or Testing as being defective, those which must be removed to gain access to remove a defective part, and those which must be removed in order to electrically isolate a part suspected of being faulty. Check Testing and Troubleshooting procedures to determine those components which are defective and, therefore, the extent of disassembly required.

NOTE: Do not disassemble staked, pinned, cemented, or pressed-in parts unless necessary for repairs.

NOTE: Observe proper ESD handling and storage procedures for PCB assemblies after removing top cover. ESD Discharges may damage PCB assemblies.

NOTE: TIA recommends after any disassembly or reassembly of the Wavejet Microwave Oven, a complete functional test be performed on the microwave oven. Refer to the Testing and Troubleshooting section of this manual.

2. Microwave Oven Removal (P/N 400-1338-02, P/N 400-1409-02, P/N 400-1746-02, P/N 400-1860-01)

NOTE: Assumes a typical installation using the TIA Mounting Bracket.

- A. Remove power from microwave oven.
- B. Open door, remove screw (385) securing handle (360), and remove mounting screws in four places securing the lower fascia bar to the mounting surface.
- C. Remove any mounting screws securing the bottom of microwave to mounting surface. Four nutplates are provided in the bottom plate for this purpose.
- D. Using handle (360), slide microwave forward to disengage microwave oven from mounting bracket.



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E. Remove microwave from galley.

2A. Microwave Oven Removal (P/N 400-1409-02-L-N, 400-1409-02-R-N and units not using the mounting bracket)

A. Remove power from microwave oven.

B. Remove using procedure given by galley or aircraft manufacturer.

3. Controller Card Disassembly (IPL, Figure 1001 and 1002)

A. Remove screws (15) in eight places, 5 on top of facia (10) and 3 on bottom of facia (10). Carefully slide facia (10) outwards.

NOTE: Switch panel overlay ribbon cable is attached to controller (40) inside.

B. Detach ribbon cable.

C. Remove screws (45), lockwashers (50), and flatwashers (55) in four places to detach controller (40).

D. Disconnect electrical connections.

4. Filter Disassembly (IPL, Figure 1001, 1002 and 1005)

A. Remove screws (200) in 24 places to remove outer wrap (195).

B. Disconnect wiring from filter.

C. Remove screw (710), flatwasher (715) and locknut (720) in four places to release filter (705) from filter mounting bracket (725).

D. Remove flatwasher (735), flatwasher (740), and locknut (730) in three places to release filter mounting bracket (725) from liner (390).

E. Remove locknuts (405) and flatwasher (400) in three places to release filter mounting bracket (725) from liner (390).

5. Power Supply Removal (IPL, Figure 1001 and 1002)

A. Remove screws (200) in 24 places to remove outer wrap (195).



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- B. Disconnect power supply wiring at connection locations.
- C. Remove screws (139) in five places to remove power supply cover (p/o 49).
- D. Remove screws (270), locknuts (260) and two nylon flatwashers (265) on each screw in three places to release the power supply assembly (245) from the rear panel (310).
- E. Remove screws (255) and flatwashers (250) in two places to release the power supply assembly (245) from the standoffs in the microwave cavity.
- F. Remove locknut (260) and two flatwashers (735, 740) releasing power supply from liner (490).
- G. Remove screws (315) in three places from rear panel (310) below the magnetron cooling fan.
- H. Gently spread the rear panel (310) away from liner and lift power supply assembly (245) up and out of the microwave.

6. Door Removal (IPL, Figure 1001 and 1002)

NOTE: For easiest removal, turn microwave upside down and lay it on the top.

- A. Open the door (95).
- B. Remove screw (385) securing the handle (360) to the fascia bar (105).
- C. Close door (95).
- D. Remove screws (110, 115) (they vary in sizes) in five places securing fascia bar (105) to weldment (390).
- E. Open door (95).
- F. Slide fascia (10) forwards then lift upwards to release.

NOTE: Retain all hardware.

- G. Slide door (95) up off of the hinge plate (125).



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7. Door Gasket Removal (IPL, Figure 1001, 1002, and 1003)

- A. Open door (95).
- B. Grasp door gasket (20) section and peel away from the inside of the door.
- C. Thoroughly clean the door gasket adhesive residue off of the door weldment (10) with isopropyl alcohol.

8. Door Interlock Switch (IPL, Figure 1001 and 1002)

Interlock Switch (Pushbutton)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Remove nuts (515), flatwashers (505, 510) (2 sets) and screws (500) in two places attaching microswitch (490) and roller microswitch (495) to switch mounting bracket (475).
- C. Remove microswitch (490).
- D. Disconnect wiring.

Door Interlock Switch (Top)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Remove flatwashers (550) and locknuts (555) in two places to release the top mounting bracket (530).
- C. Disconnect wiring and retain hardware.
- D. Remove bumper (525) from microswitch (520).
- E. Remove screws (535) and locknuts (540, 550) in two places to release the microswitch (520) from the top mounting bracket (530).

Door Interlock Switch (Bottom)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Turn microwave upside down.



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- C. Remove screws (160) in six places to remove base plate (155).
- D. Lay base plate aside with wiring still attached.
- E. Remove screw (385) freeing handle (380) from fascia bar (105).
- F. Remove flatwashers (590) and locknuts (595) in two places to release the bottom mounting bracket (570).
- G. Disconnect wiring and retain hardware.
- H. Remove bumper (565) from microswitch (575).
- I. Remove screws (575) and locknuts (580, 595) in two places to release the microswitch (560) from the bottom mounting bracket (570).

9. Relay Removal (IPL, Figure 1001 and 1002)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Disconnect wiring.
- C. Remove screws (290) to release relay bracket (285) from microwave.
- D. Remove screw (280), locknut (277) to release relay (275) from relay bracket (285).

10. Magnetron Removal (Figure 1001 and 1002)

NOTE: Remove power supply for access to Magnetron. Refer to Power Supply Removal instructions located in this section.

- A. Remove screws (650) in two places attaching magnetron overheat thermostat (645) to magnetron (630).

CAUTION: Once a magnetron is removed from the microwave, the magnetron cannot be reused. The gasket is permanently attached and is designed for 1 use only. Discard the magnetron once it is removed.

- B. Disconnect the electrical connections and remove screws (635) and locknuts (640) in four places to release magnetron (630) from the weldment (390).



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- C. Lift magnetron (630) out of microwave cavity and discard.

11. Altitude Switch Removal (IPL, Figure 1001 and 1002)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Turn locking collar $\frac{1}{4}$ turn counter clockwise. Slide connector up and off the switch. (Applies to P/Ns 400-1338-02, 400-1409-02 and 400-1746-02 only.)
- C. On P/N 400-1860-01 only, remove port filter (755).
- D. Remove screws (305) in two places securing altitude switch mounting plate (300) to rear panel (310). Remove altitude switch (295) and altitude switch mounting plate (300) as an assembly.
- E. Unscrew altitude switch (295) counter clockwise from altitude switch mounting plate (300).

12. Magnetron Cooling Fan (IPL, Figure 1001 and 1002)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Remove altitude switch (295) to gain access to locknuts (220).
- C. Remove rear panel screws (315) in three places located below the magnetron cooling fan.
- D. Remove screws (270), nylon flatwashers (265) and locknuts (260) in three places to release power supply assembly (245) from the rear panel (310).
- E. Remove screws (230), locknuts (220) and finger guard (225) from the rear panel (310). Gently spread the rear panel away from the magnetron (630) to release the fan (215).

13. Inverter Board (IPL, Figure 1001 and 1002)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Turn microwave upside down.
- C. Remove screws (160) in six places to release base plate (155).



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- D. Disconnect wiring from terminal board.
- E. Remove screws (190), locknuts (180) and standoffs (185) in four places to release inverter board assembly (175).

14. Turntable Motor (IPL, Figure 1001 and 1002)

- A. Remove screws (200) in 24 places to remove outer wrap (195).
- B. Turn microwave upside down.
- C. Remove screws (160) in six places to release base plate (155).
- D. Disconnect wiring from terminal board.
- E. Remove screws (675) and locknuts (690) in two places to release turntable motor (670).
- F. Pull shaft coupler (685) from turntable motor (670).
- G. Remove motor shaft shield (680).



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CLEANING

WARNING

**USE A DAMP CLOTH ONLY TO CLEAN MICROWAVE OVEN, EXCESSIVE
WATER MAY CAUSE SHORT CIRCUIT.**

- A. No scheduled maintenance is required.
- B. TIA recommends cleaning the microwave oven using a damp cloth. Wipe all areas of the microwave including exterior, interior, and door. A mild soap may be used if necessary to remove spills or splatters. Dry with a soft cloth. Care should be taken in cleaning the touch control panel.

CAUTION: Do not use any type of abrasive cleaner. Scouring pads are also unacceptable as they may scratch the precoated metal and plastic. The only acceptable cleanser is a cloth moistened in water, and a mild soap.



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INSPECTION/CHECK

1. Microwave Oven Inspection

- A. Inspect wiring and connection points for damage, deteriorated insulation, or loose wires.
- B. Inspect oven and chassis for loose/missing screws, rivets and connectors.
- C. Inspect fascia panel for legibility of lettering, visibility of lamps and proper numeric display.
- D. Inspect oven door for warping or cracks and that the door closes and latches properly.
- E. At 1500 airframe hour or 6 month intervals, inspect oven door for the condition of gasket, corrosion, adhesion problems or other damage. Refer to door gasket replacement procedure in the assembly section if replacement is necessary.
- F. At 1500 airframe hour or 6 month intervals, inspect the Waveguide Moisture Cover, shown in Figure 501, located in the oven cavity for damage from excessive arcing, i.e., burn marks. If damage is found, contact TIA. (SB-MW-003)

2. Microwave Oven Checks

- A. Microwave Functional Check
 - 1. Power Output Test: Performed to determine if the microwave oven is heating to specification.
 - a. Fill a microwave safe container with 1 liter of water exactly.
 - b. Using the thermometer, measure the temperature of the water.
 - c. Put water container into the microwave. Heat the water for 65 seconds.
 - d. Using the thermometer, measure the water temperature after Step C.
 - e. Record the difference in water temperature from the beginning of the test to the end of the test. The temperature rise indicates the power output for the microwave. 8° F is the minimum acceptable temperature rise.
 - 2. Carousel Operation: Observe the operation of the carousel through the door of the microwave. The tester should observe that the carousel turns when the microwave is in operation.



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3. Interlock Switch Operation: With the door open, the lights inside the microwave oven should be ON. When the microwave oven door is closed, the lights should turn OFF. NOTE: The lights will be ON when the door is closed and the unit is in operation.
4. Control Panel Operation: The On/Off, Plus and Minus buttons must operate correctly.

B. Altitude Switch Check

(Optional Check – Microwave Oven Part Number 400-1860-01 ONLY)

1. The Altitude Switch Test Port is located on the rear panel of the Microwave Oven. (Refer to Figure 1 (Sheet 2 of 4) of this manual for the location of the Port.) Gain Access to the Altitude Switch Test Port per instructions from the Aircraft Manufacturer.
2. Connect suitable calibrated Vacuum source to the Altitude Switch Test Port.
3. Apply 556 mmHg of Vacuum to the test port to simulate the altitude of 8,400 feet. With water in a microwave dish inside of the Microwave Oven, apply power and start the Microwave. Result: Microwave Oven heats water and the turntable turns.
4. Turn Microwave Oven OFF and Release Vacuum.
5. Apply 523 mmHG of Vacuum to simulate the altitude of 10,100 feet. With water in a microwave safe dish inside of the Microwave Oven, apply power and start the Microwave. Result: Microwave Oven does not heat water and the turntable does not turn.
6. Remove Vacuum source from Microwave Oven.



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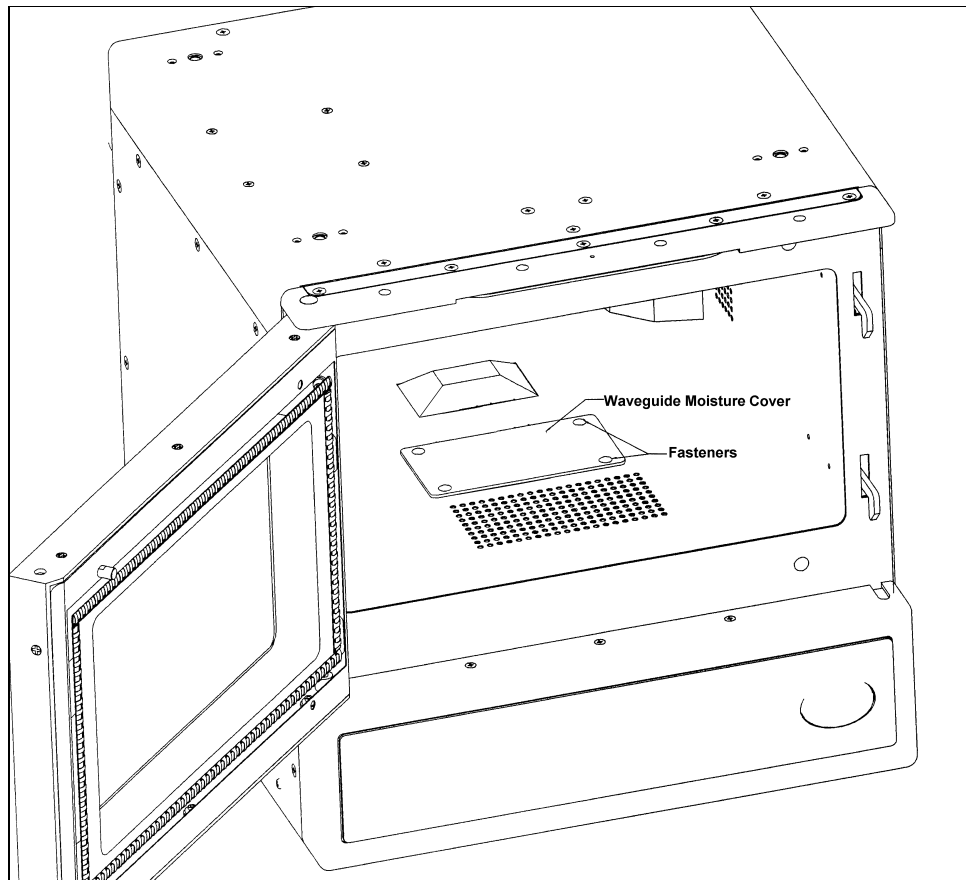


Figure 501. Waveguide Moisture Cover



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REPAIR

1. General

NOTE: Observe proper ESD handling and storage procedures for PCB assemblies after removing top cover. ESD Discharges may damage PCB assemblies.

- A. In most cases, repair consists of replacement of damaged parts.
- B. If any anodized surfaces need repairs, re-anodize using brush anodyne per normal shop procedures.
- C. Maintenance and Service
 - 1. No scheduled maintenance is required.
 - 2. TIA recommends cleaning the cavities daily. Use a damp cloth to wipe all areas of the microwave including exterior, interior, and door. A mild soap may be used if necessary to remove spills or splatters. Dry with a soft cloth. Care should be taken in cleaning the facia/switch panel.

CAUTION: Do not use any type of abrasive cleaner. Scouring pads are also unacceptable as they may scratch the precoated metal and plastic. The only acceptable cleanser is a cloth moistened in water, and a mild soap.

2. Lamp Replacement

- A. Remove outer wrap (195) using screws (200) in 24 places.
- B. Remove power supply as directed in Disassembly section, procedure E.
- C. In a case where lamp replacement is necessary, TIA recommends removing and replacing both lamps. The life expectancy of the lamps is equal. When one lamp burns out, it is likely that the other is near the end of it's service life.

3. Turntable Motor, Shaft Coupler, and Turntable Support

NOTE: The Item Numbers given in this section refer to Figure 1001 and 1002.



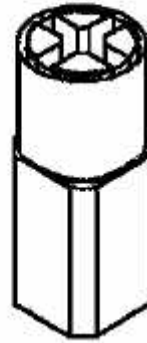
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Since the introduction of the Wavejet Microwave Oven, there have been configuration changes to the Turntable Motor, Shaft Coupler, and Turntable Support due to the obsolescence of purchased parts. The following is an explanation of these changes and how to identify the configuration of these parts as installed on the Wavejet.

- (1) Units manufactured after serial number 02-2-30614 inclusive. The Turntable Motor (670), Shaft Coupler (685) or Turntable Support (210) may be ordered from Figure 1001 and 1002 with full interchangeability.
- (2) Units manufactured before Serial Number 02-2-30614. If a replacement Turntable Motor (670), Shaft Coupler (685) or Turntable Support (210) is needed, perform the following check **BEFORE** ordering Parts. Remove Shaft coupler by grasping and firmly lifting upwards. Inspect the bottom of the shaft coupler where it connects to the turntable motor.
 - (a) If the shaft coupling is shaped like a “+” as shown in View B, replacement Turntable Motors (670) may be ordered with full interchangeability, but replacement Shaft Couplers (685) and Turntable Support (210) must be ordered in sets.
 - (b) If the shaft coupling is shaped like that shown in View A and the Turntable Motor (670), Shaft Coupler (685) or Turntable Support (210) need to be replaced, all three parts must be installed as a set if any one of the parts need to be replaced.



View A



View B



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4. Wiring Replacement

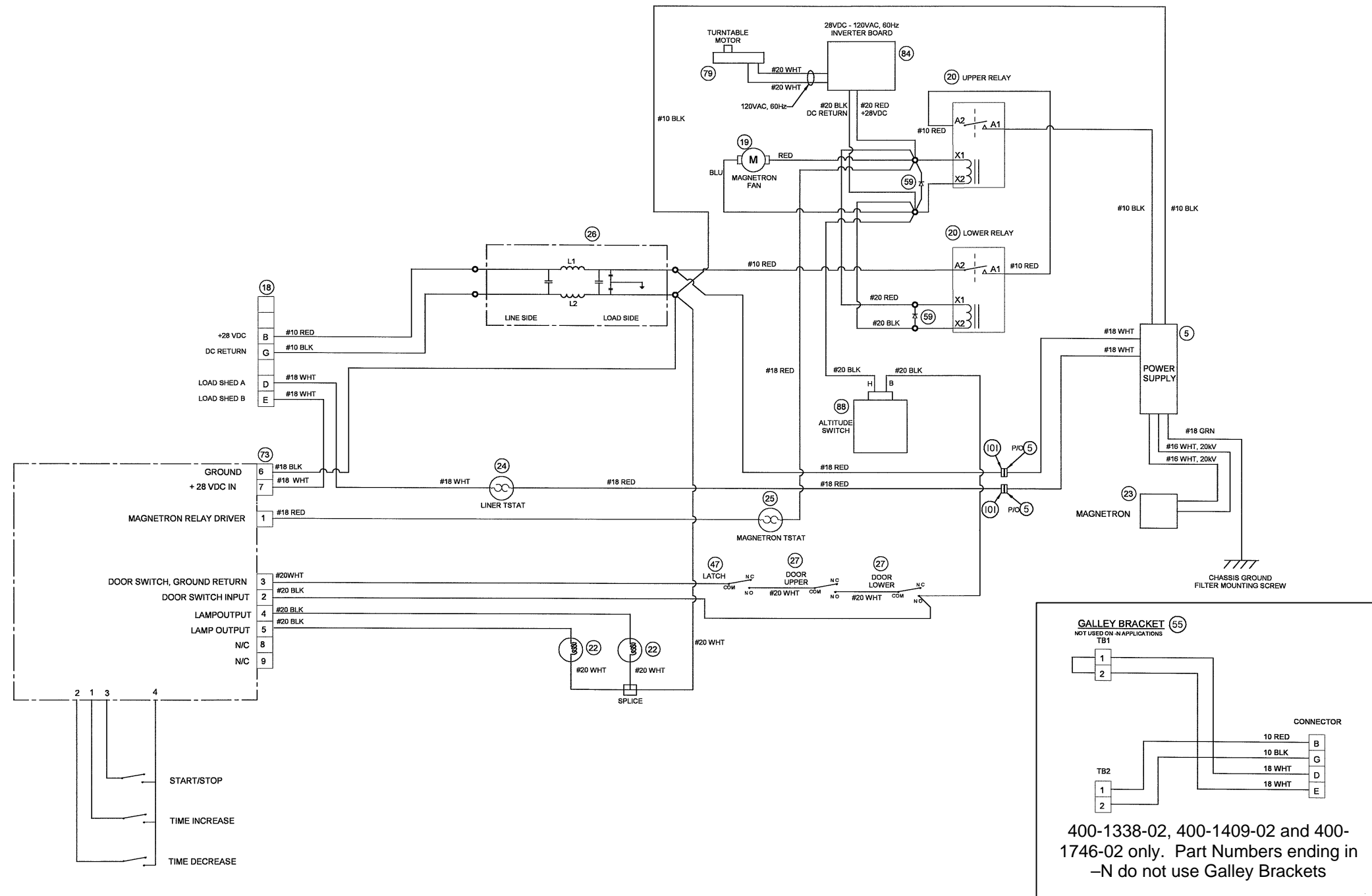
1. Refer to wiring diagram, Figure 601 or 602, depending upon model, for location and color of wires.

NOTE: Replacement of wire should meet MIL-W-22759/11.

2. Remove and replace wires.



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**Figure 601. Wiring Diagram
P/N 400-1338-02, 400-1409-02,
and 400-1746-02**



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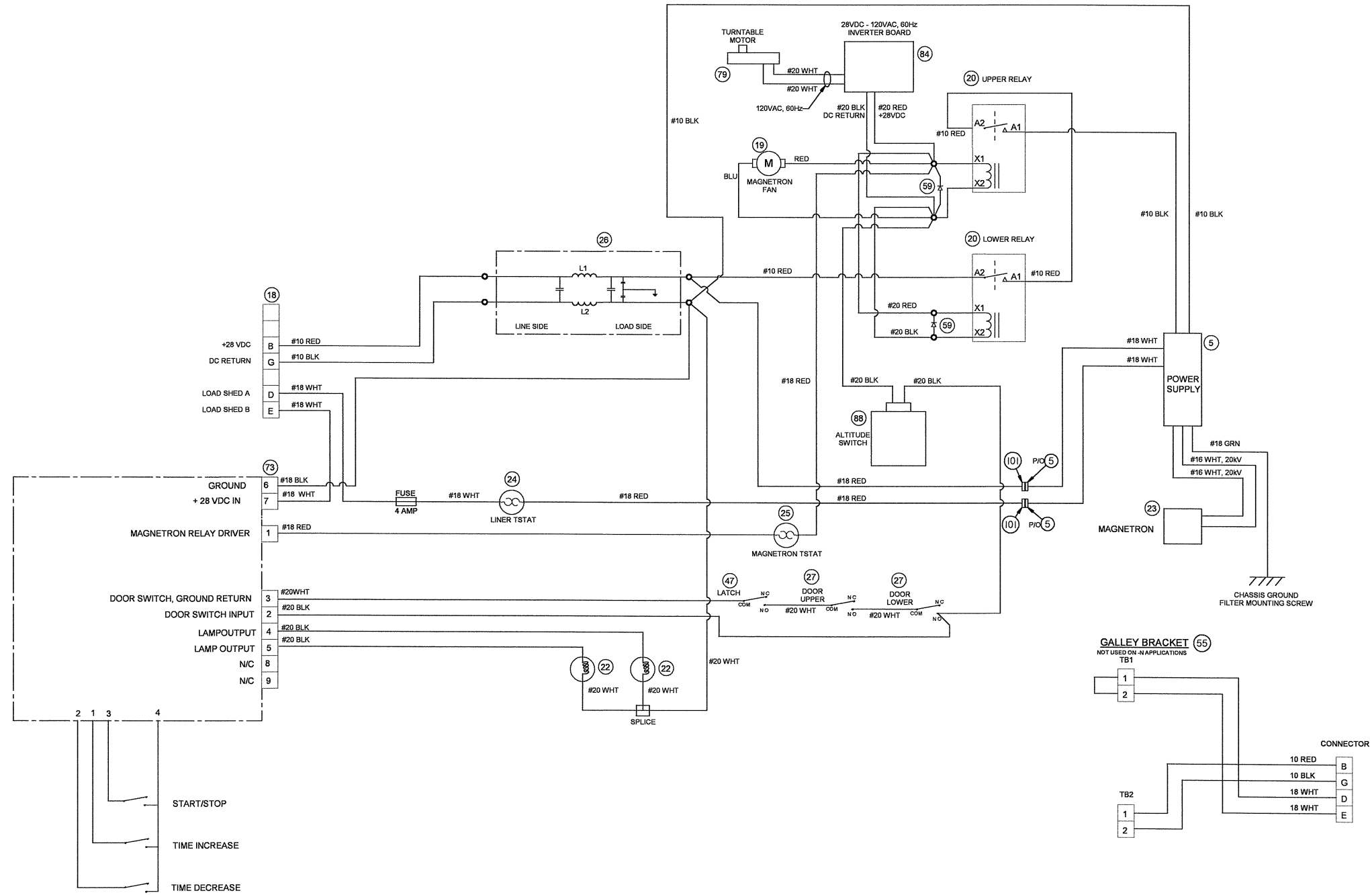


Figure 602. Wiring Diagram
P/N 400-1860-01



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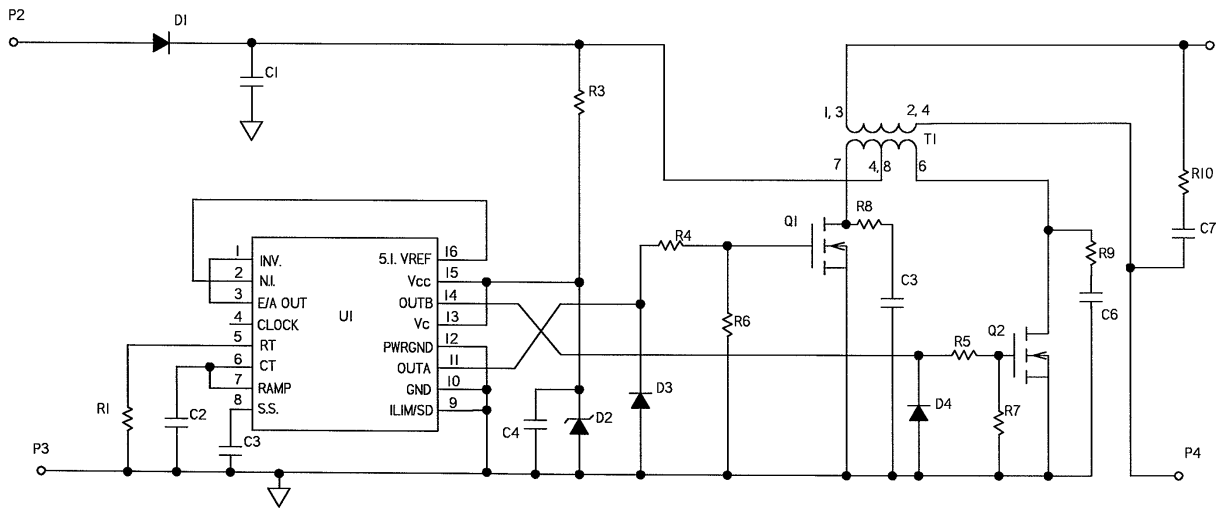


Figure 603. Schematic, Inverter Board



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ASSEMBLY

NOTE: Soldering may be necessary in the assembly procedures.

NOTE: Observe proper ESD handling and storage procedures for PCB assemblies after removing top cover. ESD Discharges may damage PCB assemblies.

NOTE: TIA recommends after any disassembly and reassembly of the Wavejet Microwave Oven, a complete functional test be performed on the microwave oven. Refer to the Testing and Troubleshooting section of this manual.

1. Microwave Oven Installation (P/N 400-1338-02, P/N 400-1409-02, P/N 400-1746-02, P/N 400-1860-01)

- A. Insert microwave into galley.
- B. Slide microwave backward to engage microwave oven to mounting bracket.
- C. If used, install four (4) mounting screws to secure the bottom of the microwave to the mounting surface. Four nutplates are provided in the bottom plate for this purpose.
- D. Open door. Use mounting screws in four places to secure the lower fascia bar to mounting surface. Slide handle (360) into position and insert screw (385).

NOTE: Load microwave with food or water before testing.

- E. Turn on power to microwave.

1A. Microwave Oven Installation (P/N 400-1409-02-L-N, 400-1409-02-R-N)

- A. Refer to galley or aircraft manufacturer instructions for installation.

2. Controller Card Assembly (IPL, Figure 1001 and 1002)

- A. Connect electrical connections.
- B. Using screws (45), flatwashers (50), and lockwashers (55) in four places, attach controller (40).



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- C. Attach ribbon cable to controller (40). Switch panel overlay ribbon cable needs to be tucked behind controller (40) before facia (10) is replaced.
- D. Using screws (15) in eight places, attach facia (10) to microwave oven front. The screw arrangement is 5 on top and 3 on bottom of facia.

3. Filter Assembly (IPL, Figure 1001 and 1002)

- A. Using locknut (405) and flatwasher (400) in three places, attach filter mounting bracket (725) to liner (390).
- B. Using flatwasher (735), flatwasher (740), and locknut (750) in three places, attach filter mounting bracket (725) to liner (390).
- C. Using screw (710), flatwasher (715) and locknut (720) in four places, attach filter (705) to filter mounting bracket (725).
- D. Insert power supply (245).
- E. Using screws (200) in 24 places, attach outer wrap (195) to microwave.

4. Power Supply Assembly (IPL, Figure 1001 and 1002)

NOTE: Replace both lamps together if removed.

- A. Gently spread the rear panel (310) away and set power supply assembly (245) into the microwave cavity.
- B. Using screws (315) in three places, secure rear panel (310) to microwave. Screw location is below magnetron cooling fan.
- C. Using locknut (260) and two flatwashers (735, 740), attach power supply assembly (245) to liner (490).
- D. Apply loctite (257) to screws (255) and using screws (255) and flatwashers (250) in two places, attach power supply assembly (245) to standoffs (665) in microwave cavity.
- E. Using screws (270), locknuts (260) and two nylon flatwashers (265) on each screw in three places, attach power supply assembly (245) to the rear panel (310).



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- F. Using screws (695, 700), install power supply cover (p/o 245).
- G. Connect power supply wiring at connection locations.
- H. Using screws (200) in 24 places, attach outer wrap (195) to microwave.

5. Door Installation (IPL, Figure 1001 and 1002)

NOTE: It is important to perform a door leakage test anytime the door and/or door gasket is replaced.

NOTE: For easiest attachment, turn microwave upside down and lay it on the top.

- A. Slide door (95) down onto the hinge plate (125).
- B. Slide fascia (10) down into place.
- C. Open door (95) and using screws (110, 115), attach the fascia bar (105) to the weldment (390) in five places.

NOTE: The screws will vary in sizes.

- D. Close door (95) and using screw (385), attach the handle (360) to the fascia bar (105).

6. Door Gasket Replacement (IPL, Figure 1001, 1002, and 1003)

NOTE: It is important to perform a door leakage test anytime the door and/or door gasket is replaced.

- A. Open door (95). Figure 1001
- B. Thoroughly clean inside of door with isopropyl alcohol to ensure all door gasket adhesive residue is removed.

CAUTION: Do not let any isopropyl alcohol come into contact with the door window.

- C. Measure and dry fit door gasket section(s) before removing dry adhesive backing from door gasket.



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Top and Bottom: 11.550 inches
Sides: 6.025 inches

NOTE: When looking at the inside (sticky side) of the door gasket adhesive, the seam side should be applied closest to the outside of the door.

- D. Peel adhesive backing and apply to inside of door. Corners should not overlap or touch.

7. Door Interlock Switch (IPL, Figure 1001 and 1002)

Interlock Switch (Pushbutton)

- A. Connect wiring.
- B. Insert screw (500) through flatwasher (505) then through microswitch (490) and finally through roller microswitch (495) onto the switch mounting bracket (475) with flatwasher (510) and locknut (515) on opposing side.

NOTE: Final configuration is as follows:

screw – washer – interlock switch – roller microswitch – switch bracket – washer – nut

NOTE: Adjust microswitch so that when door latch is released the microswitch is closed.

Door Interlock Switch (Top)

- A. Using screws (535) and locknuts (540, 550) in two places install microswitch (520) to top mounting bracket (530).
- B. Install bumper (525) onto the microswitch (520).
- C. Reconnect wiring.
- D. Using flatwashers (550) and locknuts (555) in two places install the top mounting bracket (530).
- E. Using screws (200) in 24 places, attach outer wrap (195) to microwave.

Door Interlock Switch (Bottom)



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- A. Using screws (575) and locknuts (580, 595) in two places, install microswitch (560) to bottom mounting bracket (570).
 - B. Install bumper (565) onto the microswitch (560).
 - C. Reconnect wiring.
 - D. Using locknuts (580) and flatwashers (590) in two places secure the bottom mounting bracket (570) to bottom of weldment (575).
 - F. Using screw (385) secure handle (360) to fascia bar (105).
 - G. Slide bottom cover back onto microwave cavity carefully sliding wiring inside.
 - H. Using screws (160) in six places secure base plate to microwave.
 - I. Turn microwave right side up.
 - J. Using screws (200) in 24 places, attach outer wrap (195) to microwave.
- 8. Relay Assembly (IPL, Figure 1001 and 1002)**
- A. Using screw (280) and locknut (56A) attach relay (275) into relay bracket (285).
 - B. Using screws (290), attach relay bracket (285) to microwave.
 - C. Connect wiring.
 - C. Using screws (200) in 24 places, attach outer wrap (195) to microwave.
- 9. Magnetron Assembly (IPL, Figure 1001 and 1002)**
- A. Insert magnetron (630) into microwave cavity.
 - B. Using screws (635) and locknuts (640) in four places, attach magnetron (630) to weldment (390).
 - C. Using screws (650) in two places, attach magnetron overheat thermostat (645) to magnetron (630).



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10. Altitude Switch Assembly (IPL, Figure 1001 and 1002)

- A. Screw altitude switch (295) clockwise into altitude switch mounting plate (300). Altitude switch and altitude switch mounting plate are now an assembly. On P/N 400-1860-01 only, install port filter (755).
- B. Using screws (305) in two places, secure altitude switch mounting plate (300) to rear panel (310).
- C. Slide connector onto the altitude switch and turn locking collar $\frac{1}{4}$ turn clockwise. (Applies to P/Ns 400-1338-02, 400-1409-02 and 400-1746-02 only)
- D. Connect wiring (400-1860-01 only).
- E. Using screws (200) in 24 places, attach outer wrap (195) to microwave.

11. Magnetron Cooling Fan (IPL, Figure 1001 and 1002)

- A. Using screws (230), locknuts (220), attach fan (225) and finger guard (235) to rear panel (310).
- B. Secure rear panel (310) with screws (315) and locknuts (320).
- C. Using screws (315) in three places, secure rear panel (310) to weldment (390).
- D. Using screws (200) in 24 places, attach outer wrap (195) to microwave.

12. Inverter Board Assembly (IPL, Figure 1001 and 1002)

- A. Using screws (190), locknuts (180) and standoffs (185) in four places, attach inverter board assembly (175) to microwave.
- B. Connect wiring to terminal board.
- C. Using screws (160) in six places, attach base plate (155) to microwave.
- D. Turn microwave upside down.



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E. Using screws (200) in 24 places attach outer wrap (195) to microwave.

13. Turntable Motor (IPL, Figure 1001 and 1002)

- A. Apply a small amount of RTV (687) onto motor side of shaft coupler. Install shaft coupler (685) onto turntable motor (670).
- B. Attach standoff (665) to microwave cavity.
- C. Using screws (675) and locknuts (690) in two places, attach turntable motor (670) to microwave.
- D. Connect wiring to terminal board.
- E. Using screws (160) in six places, attach base plate (155) to microwave.
- F. Turn microwave upside down.
- G. Using screws (200) in 24 places attach outer wrap (195) to microwave.



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SPECIAL TOOLS, FIXTURES AND EQUIPMENT

1. Special tools which may be required for the installation, repair or maintenance of the Wavejet[®] Microwave are listed below. TIA recommends that all test equipment be calibrated prior to use. Equivalent substitutes may be used.

Tool	Specification or Model	Source*
Volt/Ohm Meter	Model 8060A	V4U744
Thermocouple Probe	Model HH506R	V29907
Microwave Survey Meter	Model HI-1501	V24147
Vacuum Pump	Commercially Available	

* See IPL Vendor's Code List for vendor name and addresses.



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ILLUSTRATED PARTS LISTS

1. General

A. Purpose

- (1) This parts list is intended for use in requisitioning, storing and issuing the replaceable parts of the Wavejet Microwave Oven.

B. Effectivity Code

- (1) Where more than one component can be used in an assembly, refer to the **effectivity code** column for applicability.

C. How to Use This Parts List

- (1) **When ordering parts from TIA, the TIA part number, when referenced in the Description column, must be listed on the purchase order document. Failing to do so may result in delays in order processing.**
- (2) When the part number is not known, locate the part on the illustration and note its item number. Use this item number to locate the part number in the Detailed Parts List.

D. TIA Part Numbering System

- (1) The part number consists of a basic number and a dash number. The dash number indicates variations of the basic part.

E. Abbreviations

AR	As Required	P/N	Part Number
ASSY	Assembly	PO	Part Of
BKDN	Breakdown	QTY	Quantity
CMM	Component Maintenance Manual	REQ	Required
DET	Detailed	RH	Right Hand
EFF	Effectivity	RF	Reference
ESDS	Electrostatic Discharge Sensitive	TTL	Total
FIG	Figure		
LH	Left Hand		
NHA	Next Higher Assembly		



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F. Vendor's Code

- (1) Parts obtained from vendors other than TIA are referenced below with the vendor code number, name and address.

<u>Code</u>	<u>Name and Address</u>
V-06540	Amatom Electric Hardware 446 Blake Street New Haven, CT 06515
V-05245	CORCOM Industries 1600 Winchester Road Libertyville, IL 60048
V-62292	EBM PAPST 110 Hyde Road Farmington, CT 06034
V-83330	Dialight Corporation 1913 Atlantic Avenue Manasquan, NJ 08736
V-01556	Emhart Industries Inc. 510 River Road Shelton, CT 06484
V-14604	Elmwood Sensors Inc. 500 Narragansett Park Drive PO Box 2325 Pawtucket, RI 02861-4325
V-24147	EMC Test Systems LP 1301 Arrow Point Drive Cedar Park, TX 78613
V4U744	Fluke Electronics Corporation 6920 Seaway Blvd. PO Box 9090 Everett, WA 98206



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<u>Code</u>	<u>Name and Address</u>
V-01139	General Electric 260 Hudson River Road Waterford, NY 12188
V-08805	General Electric 1975 Noble Road Cleveland, OH 44112
V-1A699	Lee Spring Company Inc. 1462 62 nd Street Brooklyn, NY 11219
V-OE328	McMaster Carr Supply Company PO Box 160 New Brunswick, NJ 08903-0440
V-29907	OMEGA Engineering Inc. One Omega Drive PO Box 4047 Stamford, CT 06907
V-83803	Peerless Electronics Inc. 19 Wilbur Street Lynbrook, NY 11563
V-55566	RAF Electronic Hardware Inc. 95 Silvermine Road Seymour, CT 06483
V-14776	TIA 44931 Falcon Place Sterling, Va. 20166
V-0F0A9	Tritronics 1306 Continental Drive Abingdon, MD 21009-2334
V-61225	UMA Inc. 260 N. Main Street Dayton, VA 22821



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NUMERICAL INDEX

PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
1873		1001	625	2	EA
		1002	625	2	EA
14642		1001	620	2	EA
		1002	620	2	EA
121-0100		1001	275	2	EA
		1002	275	2	EA
121-0108		1001	630	1	RF
		1002	630	1	RF
121-0109		1001	705	1	RF
		1002	705	1	RF
121-0114		1004	85	1	EA
1217-10-A		1001	370	2	EA
		1002	370	2	EA
122-0011		1001	520	1	RF
		1001	560	1	RF
		1002	520	1	RF
		1002	560	1	RF
122-0083		1001	490	1	EA
		1002	490	1	EA
122-0084		1001	495	1	EA
		1002	495	1	EA
122-0150		1001	625	2	EA
		1002	625	2	RF
122-0151		1001	620	2	RF
		1002	620	2	RF
122-0153		1001	295	1	RF
		1001	295	1	RF
		1002	295	1	RF
122-0158		1001	-295A	1	
123-0024		1001	215	1	RF
		1002	215	1	RF
123-0038		1001	225	1	EA
		1002	225	1	EA
123-0067		1001	235	1	EA
		1002	235	1	EA
125-0003		1001	655	1	RF
		1002	655	1	RF
125-0045		1001	645	1	RF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
125-0045		1002	645	1	RF
125G28		1003	20	3	EA
126-0033		1004	70	2	EA
126-0035		1004	115	2	EA
		1004	125	2	EA
126-0069		1004	80	1	EA
126-0302		1001	185	4	RF
		1002	185	4	RF
126-0311		1001	370	2	RF
		1002	370	2	RF
126-0312		1001	425	2	RF
		1001	455	2	RF
		1002	425	2	RF
		1002	455	2	RF
		1001	75	1	RF
126-0313		1002	75	1	RF
126-0314		1001	450	2	RF
		1002	450	2	RF
126-0315		1001	80	1	RF
		1002	80	1	RF
126-0328		1001	60	4	RF
		1002	60	4	RF
126-0340		1001	665	2	RF
		1002	665	2	RF
126-0345		1003	20	RF	EA
134-0041		1001	205	1	RF
		1001	-775	1	EA
		1002	205	1	RF
134-0045		1001	670	1	RF
		1002	670	1	RF
134-0049		1001	210	1	RF
		1002	210	1	RF
135-0084		1001	395	3	EA
		1002	395	3	EA
135-0112		1002	270	3	EA
135-0208		1004	35	2	EA
135-0239		1001	50	4	EA
		1002	50	4	EA
135-0250		1001	265	6	EA
		1002	265	6	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
135-0263		1001	740	1	EA
		1002	740	1	EA
135-0276		1001	350	2	RF
		1002	350	2	RF
135-0367		1003	35	10	EA
		1003	35	RF	EA
135-0380-24B		1001	170	2	RF
		1002	170	2	RF
		1001	160	6	RF
		1001	200	24	RF
		1001	315	4	RF
		1002	160	6	RF
		1002	200	24	RF
		1002	315	4	RF
135-0380-2B		1001	190	4	RF
		1002	190	4	RF
135-0380-4B		1001	15	8	RF
		1002	15	8	RF
135-0380-C24		1001	110	2	RF
		1002	110	2	RF
135-0380-C25		1001	115	3	RF
		1001	385	1	RF
		1002	115	3	RF
		1002	385	1	RF
135-0380-C3		1001	420	4	RF
		1002	420	4	RF
135-0380-C7		1001	25	4	RF
		1002	25	4	RF
135-0381-13		1001	90	2	RF
		1001	650	2	RF
		1002	90	2	RF
		1002	650	2	RF
135-0381-15		1001	695	5	RF
		1002	695	5	RF
135-0381-16		1001	445	4	RF
		1002	445	4	RF
135-0381-18		1004	20	4	EA
135-0381-19		1001	500	2	RF
		1002	500	2	RF
135-0381-27		1001	535	2	RF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
135-0381-27		1001	557	2	RF
135-0381-26		1002	535	2	RF
		1002	575	2	RF
135-0381-28		1001	45	4	RF
		1001	255	2	RF
135-0381-28		1001	335	4	RF
		1001	710	2	RF
		1002	45	4	RF
		1002	255	2	RF
		1002	335	4	RF
		1002	710	2	RF
135-0381-32		1004	45	4	EA
		1004	90	4	EA
135-0381-43		1001	240	4	RF
		1001	290	2	RF
		1001	305	2	RF
		1001	465	2	RF
		1001	480	2	RF
		1001	635	4	RF
		1001	675	2	RF
		1002	240	4	RF
		1002	290	2	RF
		1002	305	2	RF
		1002	465	2	RF
		1002	480	2	RF
		1002	635	4	RF
		1002	675	2	RF
135-0381-45		1001	230	4	RF
		1002	230	4	RF
135-0381-47		1001	270	3	RF
		1002	270	3	RF
135-0382-64		1001	-375A	1	EA
135-0383-C4		1001	30	4	RF
		1001	505	2	RF
		1001	510	2	RF
		1002	30	4	RF
		1002	505	2	RF
		1002	510	2	RF
		1004	25	4	EA
135-0383-C6		1001	55	4	RF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
135-0383-C6		1001	130	2	RF
		1001	250	2	RF
		1001	440	4	RF
		1001	550	2	RF
		1001	590	2	RF
		1001	610	2	RF
		1001	715	2	RF
		1001	735	1	RF
		1002	55	4	RF
		1002	130	2	RF
		1002	250	2	RF
		1002	440	4	RF
		1002	550	2	RF
		1002	590	2	RF
		1002	610	2	RF
		1002	715	2	RF
		1002	735	1	RF
		1004	50	8	EA
		1004	60	8	EA
		1004	95	8	EA
		1004	105	8	EA
135-0383-C8		1001	400	3	RF
		1002	400	3	RF
135-0384-136		1001	50	4	RF
		1002	50	4	RF
135-0385-04		1001	35	4	RF
		1001	180	4	RF
		1001	515	2	RF
		1001	660	2	RF
		1002	35	4	RF
		1002	180	4	RF
		1002	515	2	RF
		1002	660	2	RF
		1004	28	4	EA
135-0385-3		1001	375A	2	RF
135-0385-06		1001	340	4	RF
		1001	540	2	RF
		1001	555	2	RF
		1001	580	2	RF
		1001	595	2	RF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
135-0385-06		1001	615	2	RF
		1001	720	2	RF
		1001	730	1	RF
		1002	340	4	RF
		1002	540	2	RF
		1002	555	2	RF
		1002	580	2	RF
		1002	595	2	RF
		1002	615	2	RF
		1002	720	2	RF
		1002	730	1	RF
		1004	65	4	EA
		1004	110	4	EA
135-0385-08		1001	135	1	RF
		1001	220	4	RF
		1001	242	4	RF
		1001	260	3	RF
		1001	380	2	RF
		1001	405	3	RF
		1001	410	3	RF
		1001	470	2	RF
		1001	485	2	RF
		1001	640	4	RF
		1001	690	2	RF
		1002	135	1	RF
		1002	220	4	RF
		1002	242	4	RF
		1002	260	3	RF
		1002	380	2	RF
		1002	405	3	RF
		1002	410	3	RF
		1002	470	2	RF
		1002	485	2	RF
		1002	640	4	RF
		1002	690	2	RF
135-0385-4		1001	320	2	RF
		1002	320	2	RF
135-0419		1001	375	2	RF
		1002	375	2	RF
135-0447		1001	145	4	RF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
135-0447		1002	145	4	RF
136-0048		1001	330	1	RF
136-0162		1002	330	1	RF
137-0117		1004	40	1	EA
137-0129		1004	100	1	EA
137-0130		1004	55	1	EA
138-0006		1004	130	AR	EA
138-0008		1004	120	AR	EA
138-0059		1004	75	AR	EA
135-0518		1001	145A	AR	EA
141-0003		1003	25	AR	EA
141-0009		1001	150	AR	EA
		1002	150	AR	EA
150-0185-04		1001	655	1	EA
		1002	655	1	EA
17-500-30		1001	-295A	1	EA
17-500-32		1001	295	1	EA
		1001	295	1	EA
		1001	295	1	EA
		1001	295	1	EA
		1002	295	1	EA
200-0349-01		1001	345	1	EA
		1002	345	1	EA
200-1392-01		1001	285	1	EA
200-1393-01		1001	600	1	EA
		1002	600	1	EA
200-1394-01		1001	605	1	EA
		1002	605	1	EA
200-1395-01		1001	360	1	EA
		1002	360	1	EA
200-1396-01		1001	365	1	EA
		1002	365	1	EA
200-1397-01		1001	325	2	EA
		1002	325	2	EA
200-1398-01		1001	165	1	EA
		1002	165	1	EA
200-1399-01		1001	525	1	EA
		1001	565	1	EA
		1002	525	1	EA
		1002	565	1	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
200-1400-01		1001	117.5	3	EA
		1002	117.5	3	EA
200-1401-01		1001	100	1	EA
		1002	100	1	EA
200-1402-01		1001	125	1	EA
		1002	125	1	EA
200-1403-01		1001	120	1	EA
		1002	120	1	EA
200-1407-01		1001	85	1	EA
		1002	85	1	EA
200-1408-01		1001	-70A	1	EA
		1002	70	1	EA
200-1409-01		1001	-65A	1	EA
		1002	65	1	EA
200-1410-01		1001	475	1	EA
		1002	475	1	EA
200-1411-01		1001	530	1	EA
		1002	530	1	EA
200-1412-01		1001	545	1	EA
		1001	585	1	EA
		1002	545	1	EA
		1002	585	1	EA
200-1413-01		1001	570	1	EA
		1002	570	1	EA
200-1415-01		1004	30	2	EA
200-1416-01		1003	30	2	EA
200-1417-01		1004	15	1	EA
200-1418-01		1004	10	1	EA
200-1423-01		1001	20	1	EA
		1002	20	1	EA
200-1424-01		1002	5	1	EA
200-1426-01		1003	15	RF	EA
200-1434-01		1001	70	1	EA
		1002	70	1	EA
200-1435-01		1001	65	1	EA
		1002	65	1	EA
200-1466-01		1001	175	1	EA
		1002	175	1	EA
200-1467-01		1001	685	1	REF
		1002	685	1	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
200-1468-01		1001	680	1	EA
		1002	680	1	EA
200-1469-01		1001	140	1	EA
		1002	140	1	EA
200-1482-01		1001	300	1	EA
		1001	300	1	EA
		1001	300	1	EA
		1001	300	1	EA
		1002	300	1	EA
200-1484-01		1001	5	1	EA
200-1485-01		1001	435	4	EA
		1002	435	4	EA
200-1661-01		1004	135	1	EA
200-1672-01		1001	685	1	EA
200-1733-01		1001	765	1	RF
		1002	765	1	EA
2M214-19		1001	630	1	EA
		1002	630	1	EA
300-1596-01		1001	415	1	EA
		1002	415	1	EA
300-1598-01		1001	725	1	EA
		1002	725	1	EA
300-1599-01		1002	430	1	EA
300-1602-01		1004	5	1	EA
300-1605-01		1001	430	1	EA
300-1610-01		1001	40	1	EA
		1002	40	1	EA
300-1647-01		1002	460	1	EA
300-1648-01		1001	460	1	EA
300-1870-01		1001	760	1	RF
		1002	760	1	EA
3450M		1001	645	1	EA
		1002	645	1	EA
3AC6		1001	520	1	EA
		1001	560	1	EA
		1002	520	1	EA
		1002	560	1	EA
400-1338-02-L		1002	1	1	REF
400-1338-02-R		1001	1	1	REF
400-1359-01		1002	390	1	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
400-1360-01		1002	310	1	EA
400-1361-01		1001	195	1	EA
		1002	195	1	EA
400-1362-01		1001	-10A	1	EA
		1002	10	1	EA
400-1363-01		1003	1D	RF	EA
		1001	95	1	EA
		1002	95	1	EA
		1003	1E	RF	EA
400-1364-01		1003	5	1	EA
400-1365-01		1003	10	1	EA
400-1366-01		1001	155	1	EA
		1002	155	1	EA
400-1367-01		1002	105	1	EA
400-1376-01		1002	5	1	EA
400-1379-01		1001	10	1	EA
		1002	10	1	EA
400-1380-01		1003	5B	1	EA
400-1381-01		1002	245	1	EA
400-1409-02-L		1002	-1A	1	REF
400-1409-02-L-N		1002	-1B	1	REF
400-1409-02-R		1001	-1B	1	REF
400-1409-02-R-N		1001	-1D	1	REF
400-1465-01		1001	390	1	EA
400-1480-01		1002	95	1	EA
		1003	1	RF	EA
400-1480-02		1001	-95A	1	EA
		1003	1A	RF	EA
400-1480-03		1003	1B	RF	EA
400-1480-04		1001	-95A	1	EA
		1002	95	1	EA
		1003	1C	RF	EA
400-1482-01		1001	310	1	EA
400-1484-01		1001	105	1	EA
400-1486-01		1001	-5A	1	EA
400-1487-01		1001	245	1	EA
400-1491-01		1001	355	1	EA
		1002	355	1	EA
400-1746-02-L		1002	-1A	1	REF
400-1746-02-R		1001	-1B	1	REF



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
400-1773-01		1003	5A	1	EA
400-1860-01		1001	-1C		REF
400-1868-01		1001	-155	1	EA
400-1869-01		1001	-310	1	EA
40VSK6		1001	705	1	EA
		1002	705	1	EA
8124K		1001	215	1	EA
		1002	215	1	EA
90210A010		1001	-145A	1	EA
90218A116		1001	145	4	EA
		1002	145	4	EA
91115A565		1001	665	2	EA
		1002	665	2	EA
9275-SS-440		1001	185	4	EA
		1002	185	4	EA
9634K12		1001	425	2	EA
		1001	455	2	EA
		1002	425	2	EA
		1002	455	2	EA
9742-SS-0632		1001	60	4	EA
		1002	60	4	EA
A-9X25-0610		1001	375	2	EA
		1002	375	2	EA
AD42-ABS		1001	350	2	EA
		1002	350	2	EA
AN960-C4		1001	30	4	EA
		1001	505	2	EA
		1001	510	2	EA
		1002	30	4	EA
		1002	505	2	EA
		1002	510	2	EA
AN960-C6		1001	55	4	EA
		1001	130	2	EA
		1001	250	2	EA
		1001	440	4	EA
		1001	550	2	EA
		1001	590	2	EA
		1001	610	2	EA
		1001	715	2	EA
		1001	735	1	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
AN960-C6		1002	55	4	EA
		1002	130	2	EA
		1002	250	2	EA
		1002	440	4	EA
		1002	550	2	EA
		1002	590	2	EA
		1002	610	2	EA
		1002	715	2	EA
		1002	735	1	EA
		1004	50	8	RF
		1004	60	8	RF
		1004	95	8	RF
		1004	105	8	RF
AN960-C8		1001	400	3	EA
		1002	400	3	EA
FROLPA-020 WRKO		1002	210	1	EA
		1001	210	1	EA
IDL12X16		1003	15	1	EA
LC-0260-6		1002	75	1	EA
LC-026D-6		1001	75	1	EA
LE-026B-0		1001	450	2	EA
		1002	450	2	EA
MS 21402-3		1001	375A	2	EA
MS 21042-04		1004	28	4	RF
MS 21042-06		1004	65	4	RF
		1004	110	4	RF
MS 51957-32		1004	45	4	RF
		1004	90	4	EA
MS 51957-18		1004	20	4	RF
MS 1958-64		1001	-375A	1	EA
MS21042-04		1001	35	4	EA
		1001	180	4	EA
		1001	515	2	EA
		1001	660	2	EA
		1002	35	4	EA
		1002	180	4	EA
		1002	515	2	EA
		1002	660	2	EA
		1001	340	4	EA
		1001	540	2	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
MS21042-04		1001	555	2	EA
		1001	580	2	EA
		1001	595	2	EA
		1001	615	2	EA
		1001	720	2	EA
		1001	730	1	EA
		1002	340	4	EA
		1002	540	2	EA
		1002	555	2	EA
		1002	580	2	EA
		1002	595	2	EA
		1002	615	2	EA
		1002	720	2	EA
		1002	730	1	EA
MS21042-08		1001	135	1	EA
		1001	220	4	EA
		1001	242	4	EA
		1001	260	3	EA
		1001	380	2	EA
		1001	405	3	EA
		1001	410	3	EA
		1001	470	2	EA
		1001	485	2	EA
		1001	640	4	EA
		1001	690	2	EA
		1002	135	1	EA
		1002	220	4	EA
		1002	242	4	EA
		1002	260	3	EA
		1002	380	2	EA
		1002	405	3	EA
		1002	410	3	EA
		1002	470	2	EA
		1002	485	2	EA
		1002	640	4	EA
		1002	690	2	EA
MS21042-4		1001	320	2	EA
		1002	320	2	EA
MS24693-24B		1001	170	2	EA
		1002	170	2	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
MS24693-24B		1001	160	6	EA
		1001	200	24	EA
		1001	315	4	EA
		1002	160	6	EA
		1002	200	24	EA
		1002	315	4	EA
MS24693-2B		1001	190	4	EA
		1002	190	4	EA
MS24693-4B		1001	15	8	EA
		1002	15	8	EA
MS24693-C24		1001	110	2	EA
		1002	110	2	EA
MS24693-C25		1001	115	3	EA
		1001	385	1	EA
		1002	115	3	EA
		1002	385	1	EA
MS24693-C3		1001	420	4	EA
		1002	420	4	EA
MS24693-C7		1001	25	4	EA
		1002	25	4	EA
MS3102R28-10P		1001	330	1	EA
		1002	330	1	EA
MS51957-13		1001	90	2	EA
		1001	650	2	EA
		1002	90	2	EA
		1002	650	2	EA
MS51957-15		1001	695	5	EA
		1001	695	5	EA
MS51957-16		1002	445	4	EA
		1002	445	4	EA
MS51957-19		1001	500	2	EA
		1002	500	2	EA
MS51957-26		1001	535	2	EA
		1001	575	2	EA
		1002	535	2	EA
		1002	575	2	EA
MS51957-28		1001	45	4	EA
		1001	255	2	EA
		1001	335	4	EA
		1001	710	2	EA



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PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
MS51957-28		1002	45	4	EA
		1002	255	2	EA
		1002	335	4	EA
		1002	710	2	EA
MS51957-43		1001	240	4	EA
		1001	290	2	EA
		1001	305	2	EA
		1001	465	2	EA
		1001	480	2	EA
		1001	635	4	EA
		1001	675	2	EA
		1002	240	4	EA
		1002	290	2	EA
		1002	305	2	EA
		1002	465	2	EA
		1002	480	2	EA
		1002	635	4	EA
		1002	675	2	EA
MS51957-45		1001	230	4	EA
		1002	230	4	EA
MS51957-47		1001	270	3	EA
		1002	270	3	EA
NTNT-AO11-WRFO		1001	205	1	EA
		1002	205	1	EA
RMOTD-A064		1001	670	1	EA
		1002	670	1	EA
RTV108		1001	150	A/R	EA
		1002	150	A/R	EA
S73LW2-ER133-25		1001	80	1	EA
		1002	80	1	EA

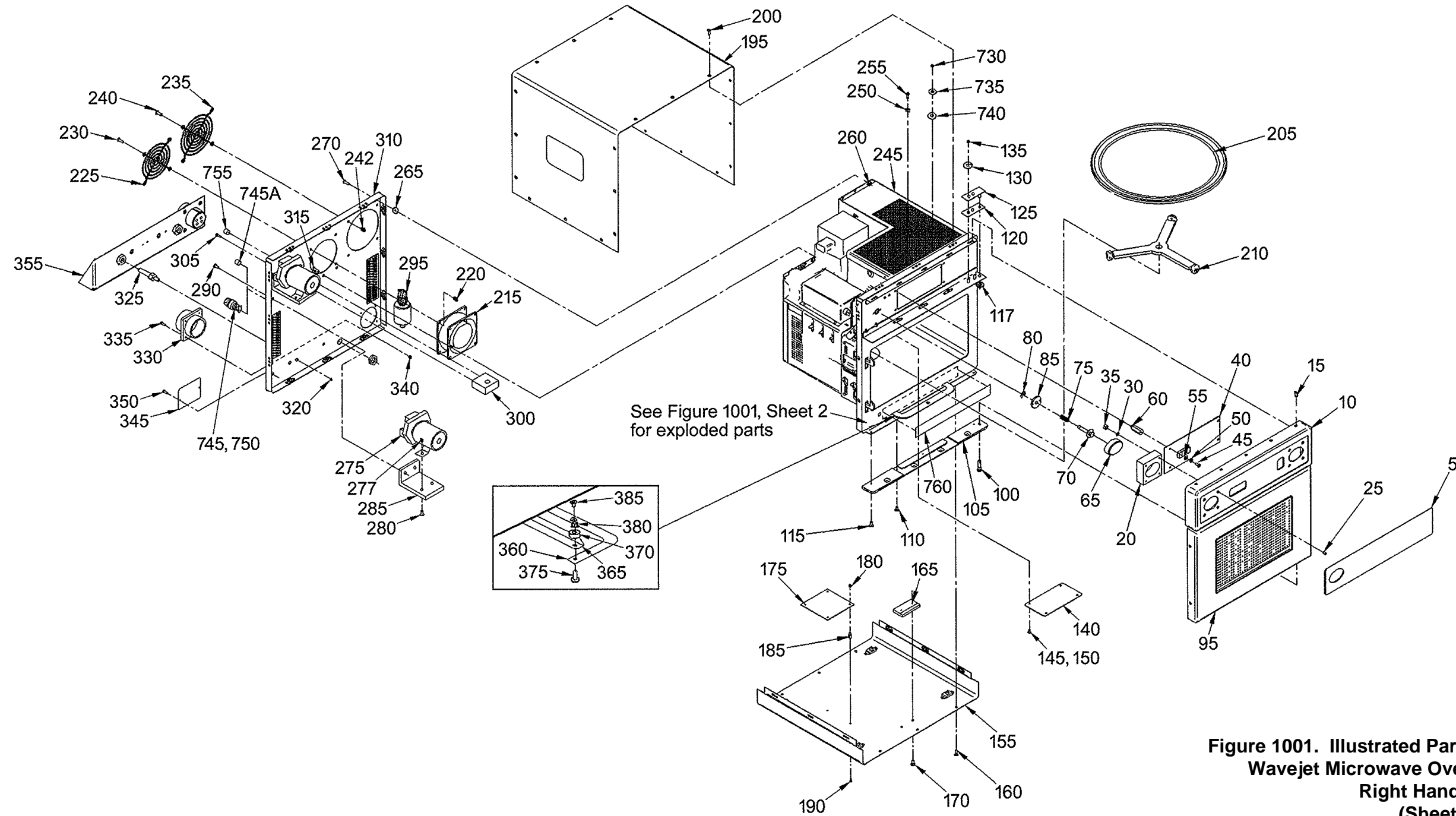


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**WAVEJET MICROWAVE OVEN
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**Figure 1001. Illustrated Parts List,
Wavejet Microwave Oven, DC,
Right Hand Hinge
(Sheet 1 of 2)**



WAVEJET MICROWAVE OVEN
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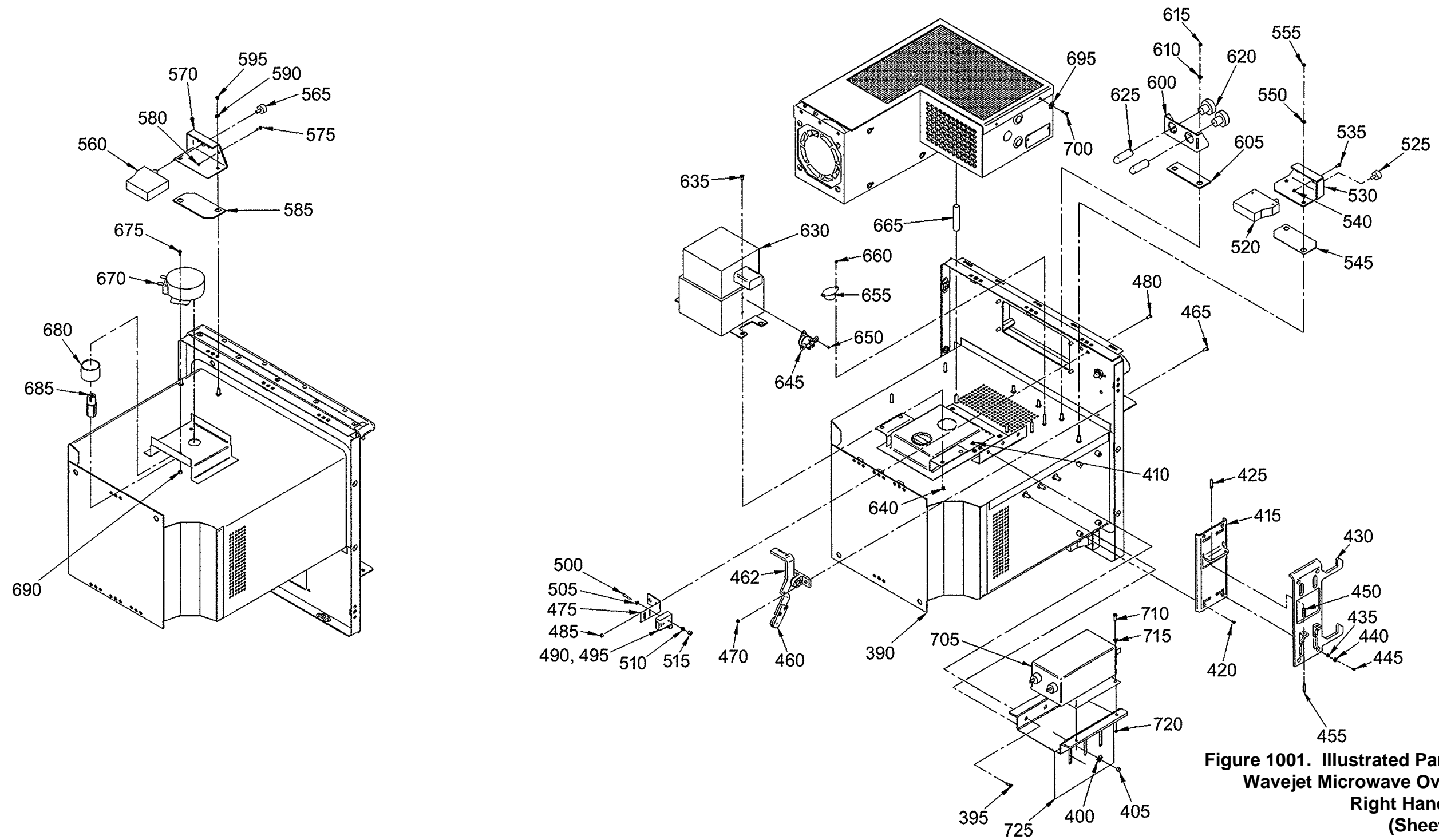


Figure 1001. Illustrated Parts List,
Wavejet Microwave Oven, DC,
Right Hand Hinge
(Sheet 2 of 2)



**WAVEJET MICROWAVE OVEN
COMPONENT MAINTENANCE MANUAL
WITH ILLUSTRATED PARTS LIST**

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
1	400-1338-02-R		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, FLAT FRONT	A	RF	EA
-1A	400-1409-02-R		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, CURVED FRONT	B	RF	EA
-1B	400-1746-02-R		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, CURVED FRONT	C	RF	EA
-1C	400-1860-01		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, CURVED FRONT	D	RF	EA
-1D	400-1409-02-R-N		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, CURVED FRONT	E	RF	EA
5	200-1484-01		.SWITCH PANEL OVERLAY	A	1	EA
-5A	400-1486-01		.SWITCH PANEL OVERLAY	B,C,D,E	1	EA
10	400-1379-01		.FACIA (CONTROLS)	A,	1	EA
-10A	400-1362-01		.FACIA (CONTROLS)	B,C,E	1	EA
-10B	400-1858-01		.FACIA (CONTROLS)	D	1	EA
			ATTACHING PARTS			
15	MS24693-4B		..SCREW, FLAT HD MACH, 4-40X3/8, 100°, BO TIA P/N 135-0380-4B		8	EA
20	200-1423-01		.BUSH, BUTTON	A	1	EA
-20A			NOT USED	B,C,D,E	0	EA
			ATTACHING PARTS			
25	MS24693-C7		..SCREW, FLAT HD MACH, #4-40X5/8, 100° TIA P/N 135-0380-C7	A	4	EA
-25A			NOT USED	B,C,D,E	0	EA
30	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4	A	4	EA
-30A			NOT USED	B,C,D,E	0	EA
35	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04	A	4	EA
-35A			NOT USED	B,C,D,E	0	EA

40	300-1610-01		.CONTROLLER, WAVEJET (ESDS)		1	EA
			ATTACHING PARTS			
45	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		4	EA
50	135-0239		..#6 SPLIT LOCKWASHER TIA P/N 135-0384-136		4	EA
55	AN960-C6		..#6 FLATWASHER TIA P/N 135-0383-C6		4	EA
60	9742-SS-0632		..STANDOFF, #6-32X.875 LG (V-06540) TIA P/N 126-0328		4	EA

65	200-1435-01		.BUTTON FACE	A	1	EA
-65A	200-1409-01		.BUTTON FACE	B,C,D,E	1	EA
			ATTACHING PARTS			
70	200-1434-01		..ROD (BUTTON ACTUATOR)	A	1	EA
-70A	200-1408-01		..ROD (BUTTON ACTUATOR)	B,C,D,E	1	EA
75	LC-026D-6		..SPRING COMPRESSION (V-1A699) TIA P/N 126-0313		1	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
80	S73LW2-ER133- 25		..E-RING (V-14604) TIA P/N 126-0315		1	EA

85	200-1407-01		.BUSHING (BUTTON ACTUATOR ROD) ATTACHING PARTS		1	EA
90	MS51957-13		..SCREW, PAN HD MACH, #4-40X1/4 TIA P/N 135-0381-13 (NOT SHOWN)		2	EA

95	400-1363-02		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	A	1	EA
-95A	400-1480-02		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	B,E	1	EA
-95B	400-1480-04		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	C	1	EA
-95C	400-1872-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	D	1	EA
			ATTACHING PARTS			
100	200-1401-01		.HINGE PIN		1	EA
105	400-1484-01		.FACIA BAR		1	EA
110	MS24693-C24		..SCREW, FLAT HD MACH, #6-32X1/4, 100° TIA P/N 135-0380-C24		2	EA
115	MS24693-C25		..SCREW, FLAT HD MACH, #6-32X5/16, 100° TIA P/N 135-0380-C25		3	EA
117	200-1400-01		..TEFLON WASHER		3	EA
120	200-1403-01		..SPACER HINGE PLATE		1	EA
125	200-1402-01		..HINGE PLATE		1	EA
130	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
135	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		1	EA

140	200-1469-01		.WAVEGUIDE MOISTURE COVER (SB-MW-02) ATTACHING PARTS		1	EA
145	90218A116		..PANEL RIVET (V-OE328) TIA P/N 135-0447	A,B,C,E	4	EA
-145A	90219A010		..RIVET, BLIND PLASTIC (V-OE328) TIA P/N 135-0518	D	4	EA
150	RTV108		..CLEAR RTV (V-01139) TIA P/N 141-0009		A/R	

155	400-1366-01		.BASE PLATE	A,B,C,E	1	EA
-155A	400-1868-01		.BASE PLATE	D	1	EA
			ATTACHING PARTS			
160	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO, TIA P/N 135-0380-26B		6	EA

165	200-1398-01		.RUB STRIP (HANDLE) ATTACHING PARTS		1	EA
170	MS24693-24B		..SCREW, FLAT HD MACH, #6-32X1/4, 100°, BO TIA P/N 135-0380-24B		2	EA

175	200-1466-01		.INVERTER PCB ASSY (ESDS)		1	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
			ATTACHING PARTS			
180	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		4	EA
185	9275-SS-440		..#4-40 STANDOFF (V-06540) TIA P/N 126-0302		4	EA
190	MS24693-2B		..SCREW, FLAT HD MACH, #4-40X1/4, 100°, BO TIA P/N 135-0380-2B		4	EA

195	400-1361-01		.OUTER WRAP	A,B,C,E	1	EA
-195A	400-1867-01		.OUTER WRAP	D	1	EA
			ATTACHING PARTS			
200	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO TIA P/N 135-0380-26B		24	EA

205	NTNT-AO11- WRFO		.GLASS TRAY (TURNTABLE) (V-0F0A9) TIA P/N 134-0041		1	EA
210	FROLPA-046 WRKO		..SUPPORT (TURNTABLE) (V-0F0A9) TIA P/N 134-0049 (REPLACES OBSOLETE PART NUMBER FROLPA 046 WRKO USE ONLY WITH 200-1672-01 SHAFT COUPLER)		1	EA
215	8124K		.FAN (V-62292) TIA P/N 123-0024		1	EA
			ATTACHING PARTS			
220	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA
225	123-0038		..FINGER GUARD		1	EA
230	MS51957-45		..SCREW, PAN HD MACH, #8-32X1/2 TIA P/N 135-0381-45		4	EA

235	123-0067		.FINGER GUARD		1	EA
			ATTACHING PARTS			
240	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		4	EA
242	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA

245	400-1487-01		.ASSEMBLY, POWER SUPPLY (ESDS)		1	EA
			ATTACHING PARTS			
250	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
255	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		2	EA
257	242		..LOCTITE 242 (V-14776) TIA P/N 100146		AR	EA
260	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA
265	135-0250		..NYLON FLAT WASHER		6	EA
270	MS51957-47		..SCREW, PAN HD MACH, #8-32X3/4 TIA P/N 135-0381-47		3	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF

275	121-0100		.RELAY		2	EA
			ATTACHING PARTS			
277	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	
280	MS-51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		4	EA

285	200-1392-01		..MOUNTING BRACKET (RELAY)		1	EA
			ATTACHING PARTS			
290	MS51957-45		..SCREW, PAN HD MACH, #8-32X1/2 TIA P/N 135-0381-45		2	EA

295	17-500-32		.ALTITUDE SWITCH (V-61225) TIA P/N 122-0153	A,B,C,E	1	EA
-295A	17-500-30		.ALTITUDE SWITCH (V-61225) TIA P/N 122-0158	D	1	EA
			ATTACHING PARTS			
300	200-1482-01		..MOUNTING PLATE, ALTITUDE SWITCH	A,B,C,E	1	EA
-300A	200-1739-01		..MOUNTING PLATE, ALTITUDE SWITCH	D	1	EA
305	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA

310	400-1482-01		.REAR PANEL	A,B,C,E	1	EA
-310A	400-1869-01		.REAR PANEL	D	1	EA
			ATTACHING PARTS			
315	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO, TIA P/N 135-0380-26B		4	EA
320	MS21042-4		..1/4-28 LOCKNUT TIA P/N 135-0385-4		2	EA
325	200-1397-01		..PIN GUIDE		2	EA

330	MS3102R28-10P		.INPUT CONNECTOR TIA P/N 136-0048		1	EA
			ATTACHING PARTS			
335	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		4	EA
340	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		4	EA

345			.NAMEPLATE (NOT FOR SALE)		1	EA
			ATTACHING PARTS			
350	AD42-ABS		.POP RIVET (V-01556) TIA P/N 135-0276		2	EA

355	400-1491-01		.GALLEY BRACKET ASSEMBLY (SEE IPL, FIGURE 1006)	A,B,C,D	1	EA
-355A			(NOT USED)	E		
360	200-1395-01		.HANDLE		1	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
			ATTACHING PARTS			
365	200-1396-01		..HANDLE BRACKET		1	EA
370	1217-10-A		..SPACER (HANDLE) (V-06540) TIA P/N 126-0311		2	EA
375	MS51958-64		..SHOULDER SCREW (HANDLE) TIA P/N 135-0382-64		2	EA
-375A	MS51958-64		..SCREW, PAN HD MACH, #10-32X.62 TIA P/N 135-0382-64		2	EA
380	MS21042-8		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA
-380A	MS21042-3		..#10 LOCKNUT TIA P/N 135-0385-03			
385	MS24693-C25		..SCREW, FLAT HD MACH, #6-32X5/16, 100° TIA P/N 135-0380-C25		1	EA

390	400-1465-01		..LINER WELDMENT		1	EA
			ATTACHING PARTS			
395	135-0084		..SCREW, HEX HD MACH, #8-32X1/2		3	EA
400	AN960-C8		..#8 FLAT WASHER TIA P/N 135-0383-C8		3	EA
405	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA
410	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA

415	300-1596-01		..LATCH BASE PLATE		1	EA
			ATTACHING PARTS			
420	MS24693-C3		..SCREW, FLAT HD MACH, #4-40X5/16, 100° TIA P/N 135-0380-C3`		4	EA
425	9634K12		..SPRING ANCHOR (V-OE328) TIA P/N 126-0312		2	EA
430	300-1605-01		..LATCH PLATE, RHH		1	EA
			ATTACHING PARTS			
435	200-1485-01		..BUSHING, LATCH PLATE		4	EA
440	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		4	EA
445	MS51957-16		..SCREW, PAN HD MACH, #4-40X7/16 TIA P/N 135-0381-16		4	EA
450	LE-026B-0		..EXTENSION SPRING (LATCH) (V-1A699) TIA P/N 126-0314		2	EA
455	9634K12		..SPRING ANCHOR (V-OE328) TIA P/N 126-0312		2	EA

460	200-1617-02		BEARING, PIVOT ARM (SB-MW-01)		1	EA
			ATTACHING PARTS			
462	300-1648-01		..PIVOT ASSEMBLY (INCLUDES ITEM 460)		1	EA
465	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
470	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
475	200-1410-01		..MTG BRACKET (SWITCH)		1	EA
			ATTACHING PARTS			
480	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
485	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA

490	122-0083		..MICROSWITCH (DOOR LATCH)		1	EA
			ATTACHING PARTS			
495	122-0084		..ROLLER MICROSWITCH (DOOR LATCH) (NOT SHOWN)		1	EA
500	MS51957-19		..SCREW, PAN HD MACH, #4-40X3/4 TIA P/N 135-0381-19		2	EA
505	AN960-C4		..#4 FLAT WASHER TIA P/N 135-0383-C4		2	EA
510	AN960-C4		..#4 FLAT WASHER TIA P/N 135-0383-C4		2	EA
515	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		2	EA

520	3AC6		..MICROSWITCH (DOOR) (V83803) TIA P/N 122-0011		1	EA
			ATTACHING PARTS			
525	200-1399-01		..BUMPER (MICROSWITCH)		1	EA
530	200-1411-01		..MTG BRACKET TOP		1	EA
535	MS51957-27		..SCREW, PAN HD MACH, #6-32X5/16 TIA P/N 135-0381-27		2	EA
540	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
545	200-1412-01		..SPACER, MTG BRACKET		1	EA
550	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
555	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA

560	3AC6		..MICROSWITCH (DOOR) M(V83803) TIA P/N 122-0011		1	EA
			ATTACHING PATS			
565	200-1399-01		..BUMPER (MICROSWITCH)		1	EA
570	200-1413-01		..MTG BRACKET BOTTOM		1	EA
575	MS51957-27		..SCREW, PAN HD MACH, #6-32X5/16 TIA P/N 135-0381-27		2	EA
580	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
585	200-1412-01		..SPACER, MTG BRACKET		1	EA
590	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
595	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF

600	200-1393-01		.MTG BRACKET (LAMPHOLDER)		1	EA
			ATTACHING PARTS			
605	200-1394-01		..SPACER (LAMPHOLDER BRKT)		1	EA
610	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
615	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
620	14642		.LAMPHOLDER T-3 ¼ MINI BAY (V-08805) TIA P/N 122-0151		2	EA
625	1873		.BULB .2A 28V T-3 ¼ MINI-BAY (V-08805) TIA P/N 122-0150		2	EA

630	2M214-19		..MAGNETRON (V-SD812) TIA P/N 121-0108		1	EA
			ATTACHING PARTS			
635	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		4	EA
640	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA

645	3450M		.THERMOSTAT 320°F, MANUAL RESET (V-14604) TIA P/N 125-0045		1	EA
			ATTACHING PARTS			
650	MS51957-13		..SCREW, PAN HD MACH, #4-40X1/4 TIA P/N 135-0381-13		2	EA

655	150-0185-04		.THERMOSTAT 250°F TIA P/N 125-0003		1	EA
			ATTACHING PARTS			
660	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		2	EA

665	91115A565		.STANDOFF (LINER) (V-OE328) TIA P/N 126-0340		2	EA
670	RMOTD-A064		.MOTOR (TURNTABLE) (V-0F0A9) TIA P/N 134-0045		1	EA
			ATTACHING PARTS			
675	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
680	200-1468-01		..MOTOR SHAFT SHIELD		1	EA

685	200-1672-01		.SHAFT COUPLER (REPLACES OBSOLETE PART NUMBER 200-1467-01. USE ONLY WITH TURNTABLE SUPPORT FROLPA-046 WRKO)		1	EA
			ATTACHING PARTS			
687	RTV 108		..RTV, CLEAR (V-01139) TIA P/N 141-0009		A/R	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1001/			WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF

690	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA
695	MS51957-15		..SCREW, PAN HEAD, #4-40X3/8 TIA P/N 135-0381-15. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND BELOW	A,B,C,D	5	EA
-695A	MS51957-15		..SCREW, FLAT HD MACH, #4-40X3/8 TIA P/N 135-0380-4. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D	5	EA
700	AN960 C4		..WASHER, FLAT TIA P/N 135-0383-C4 USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND BELOW	A,B,C,D ,E	5	EA
-700A			NOT USED. OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D ,E	0	EA
705	121-0109		.FILTER EMI-RFI		1	EA
			ATTACHING PARTS			
710	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		2	EA
715	AN960-C6		..#6 FLATWASHER TIA P/N 135-0383-C6		2	EA
720	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA

725	300-1598-01		.MTG BRACKET (FILTER)		1	EA
730	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		1	EA
735	AN960 C6		..#6 FLATWASHER TIA P/N 135-0383-C6		1	EA
740	135-0263		..#8 FLATWASHER		1	EA
745A	126-0307		.PLUG, HOLE 1/2" DIA.	A,B,C,E	1	EA
745	FHN20G		.HOLDER, FUSE (V-75915) TIA P/N 121-0056	D	1	EA
750A			(NOT USED)	A,B,C,E	1	EA
-750	3AGTYPE		.FUSE (V-75915) TIA P/N 121-0056	D	1	EA
755	150-1278		FILTER, PORT	D		
-755A			NOT USED	A,B,C,E		
760	300-1870-01		LABEL, MICROWAVE USE (SB-MW-003)		1	EA
-765	200-1733-01		LABEL, WARNING BUTTON (ONLY REQUIRED ON NEW UNITS. MAY ONLY BE REMOVED BY CUSTOMER) (SB-MW-003)		1	EA
770			(NOT USED)	A,B,C,E		
-770A	MS51957-28		.SCREW, GROUND TIA P/N 135-0381-28	D	1	EA
775			(NOT USED)	A,B,C,E		
-775	135-0441		.WASHER, LOCK #6 EXT TOOTH	D	1	EA



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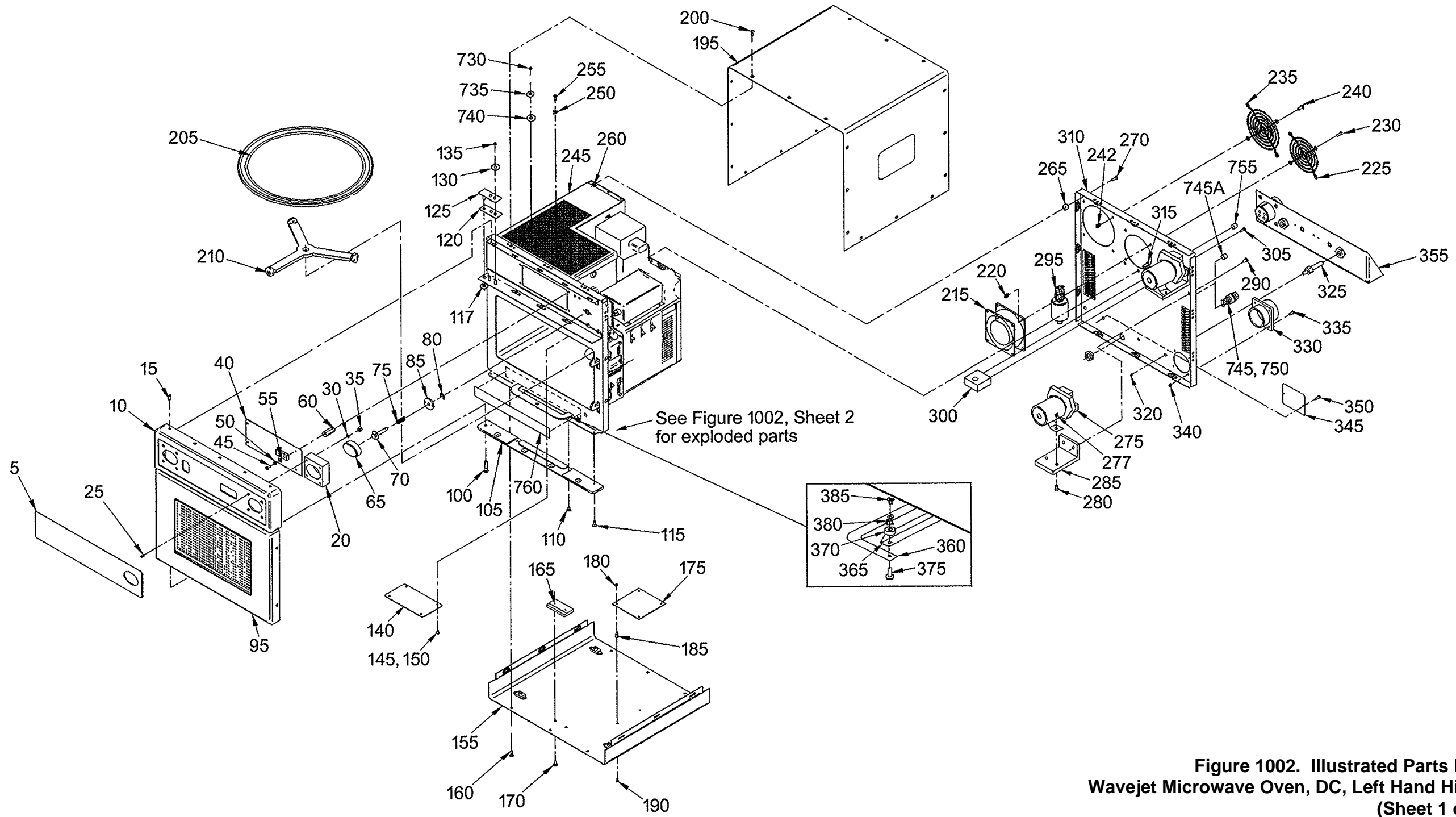


Figure 1002. Illustrated Parts List,
Wavejet Microwave Oven, DC, Left Hand Hinge
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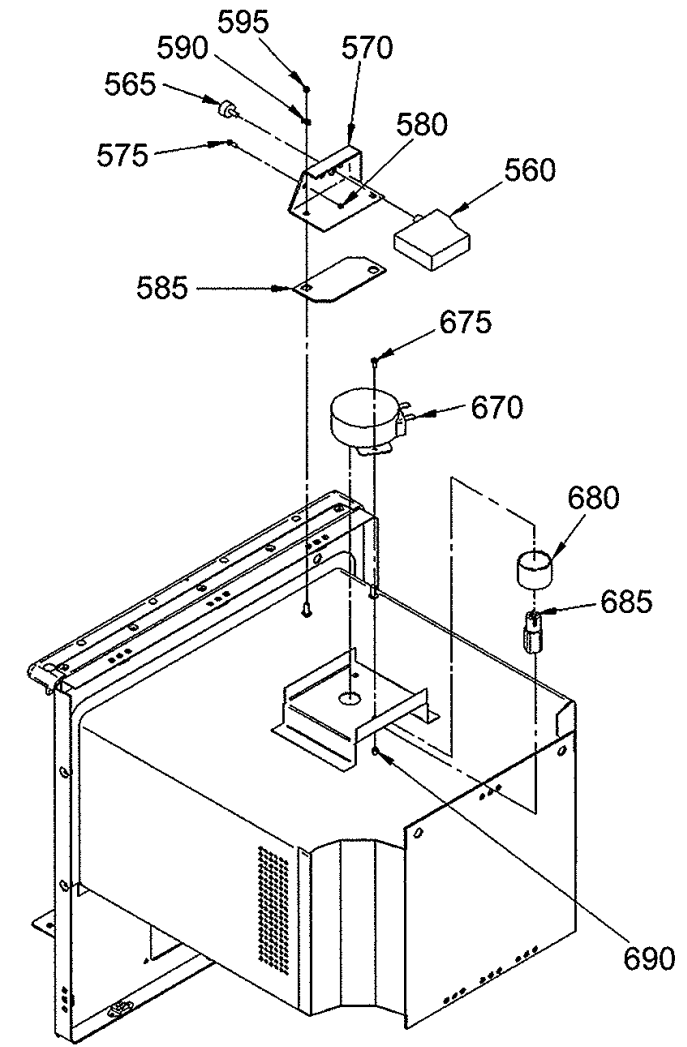
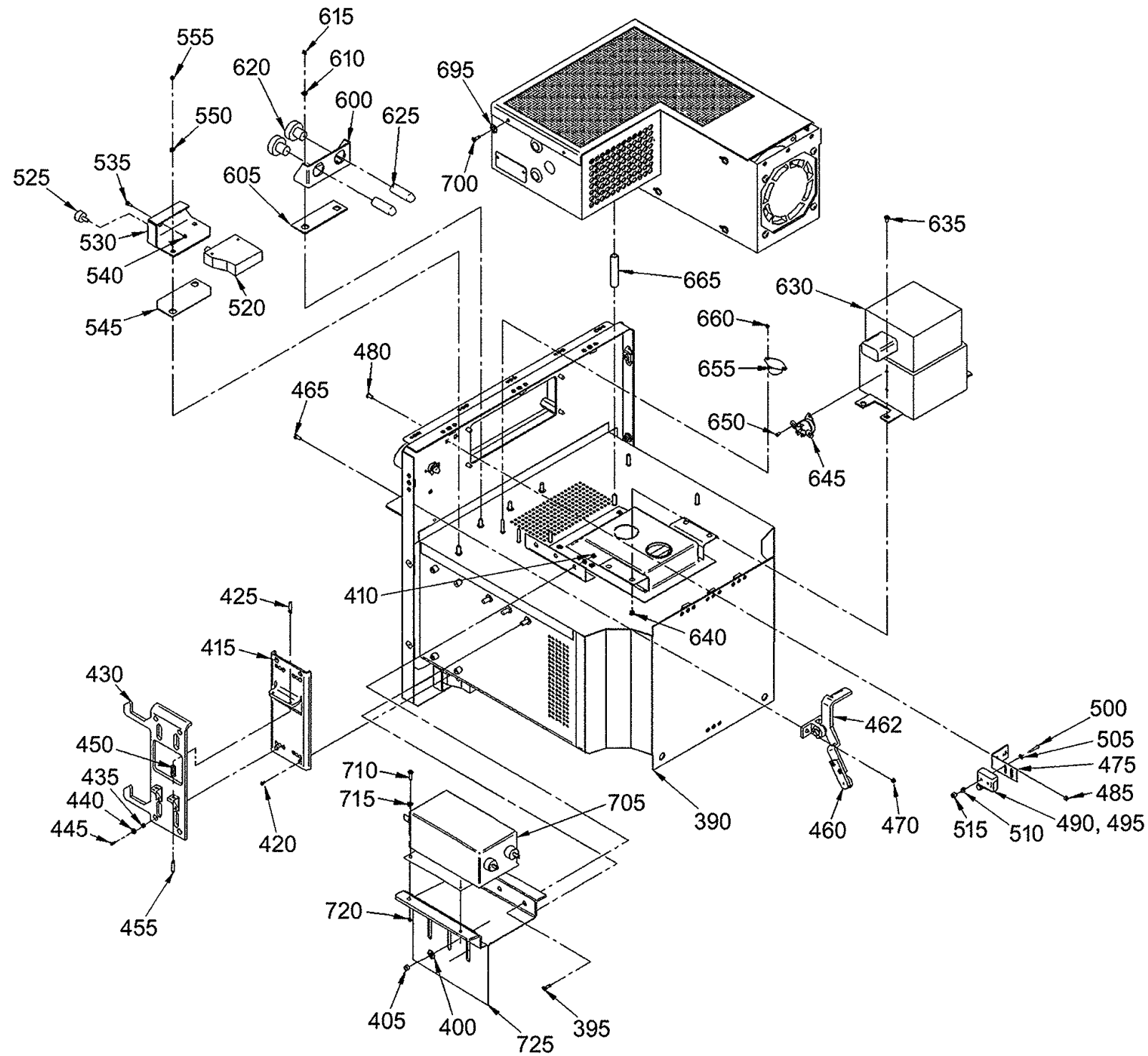


Figure 1002. Illustrated Parts List,
Wavejet Microwave Oven, DC, Left Hand Hinge
(Sheet 2 of 2)



**WAVEJET MICROWAVE OVEN
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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
1	400-1338-02-L		WAVEJET ASSY, 28VDC, LEFT HAND HINGE, FLAT FRONT	A	RF	EA
-1A	400-1409-02-L		WAVEJET ASSY, 28VDC, LEFT HAND HINGE, CURVED FRONT	B	RF	EA
-1B	400-1409-02-L-N		WAVEJET ASSY, 28VDC, LEFT HAND HINGE, CURVED FRONT	C	RF	EA
-1C	400-1746-02-L		WAVEJET ASSY, 28VDC,, LEFT HAND HINGE, CURVED FRONT	D	RF	EA
5	200-1424-01		.SWITCH PANEL OVERLAY	A	1	EA
-5A	400-1376-01		.SWITCH PANEL OVERLAY	B,C,D	1	EA
10	400-1379-01		.FACIA (CONTROLS)	A	1	EA
-10A	400-1362-01		.FACIA (CONTROLS)	B,C,D	1	EA
			ATTACHING PARTS			
15	MS24693-4B		..SCREW, FLAT HD MACH, 4-40X3/8, 100°, BO TIA P/N 135-0380-4B		8	EA
20	200-1423-01		.BUSH, BUTTON	A	1	EA
-20A			NOT USED	B,C,D		
25	MS24693-C7		..SCREW, FLAT HD MACH, #4-40X5/8, 100° TIA P/N 135-0380-C7	A	4	EA
-25A			NOT USED	B,C,D	0	EA
			ATTACHING PARTS			
30	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4	A	4	EA
-30A			NOT USED	B,C,D		EA
35	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04	A	4	EA
-35A			NOT USED	B,C,D	0	EA

40	300-1610-01		.CONTROLLER, WAVEJET (ESDS)		1	EA
			ATTACHING PARTS			
45	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		4	EA
50	135-0239		..#6 SPLIT LOCKWASHER TIA P/N 135-0384-136		4	EA
55	AN960-C6		..#6 FLATWASHER TIA P/N 135-0383-C6		4	EA
60	9742-SS-0632		..STANDOFF, #6-32 X .875 LG (V-06540) TIA P/N 126-0328		4	EA

65	200-1435-01		.BUTTON FACE	A	1	EA
-65A	200-1409-01		.BUTTON FACE	B,C,D	1	EA
			ATTACHING PARTS			
70	200-1434-01		..ROD (BUTTON ACTUATOR)	A	1	EA
-70A	200-1408-01		..ROD (BUTTON ACTUATOR)	B,C,D	1	EA
75	LC-0260-6		..SPRING COMPRESSION (V-1A699) TIA P/N 126-0313		1	EA
80	S73LW2-ER133-		..E-RING (V-14604)		1	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE 1234567	EFF CODE	QTY	U M
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
	25		TIA P/N 126-0315			

85	200-1407-01		.BUSHING (BUTTON ACTUATOR ROD) ATTACHING PARTS		1	EA
90	MS51957-13		..SCREW, PAN HD MACH, #4-40X1/4 TIA P/N 135-0381-13 (NOT SHOWN)		2	EA

95	400-1363-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	A	1	EA
-95A	400-1480-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	B,C,	1	EA
-95B	400-1480-03		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	D	1	EA
			ATTACHING PARTS			
100	200-1401-01		.HINGE PIN		1	EA
105	400-1367-01		.FACIA BAR		1	EA
110	MS24693-C24		..SCREW, FLAT HD MACH, #6-32X1/4, 100° TIA P/N 135-0380-C24		2	EA
115	MS24693-C25		..SCREW, FLAT HD MACH, #6-32X5/16, 100° TIA P/N 135-0380-C25		3	EA
117	200-1400-01		..TEFLON WASHER		3	EA
120	200-1403-01		..SPACER HINGE PLATE		1	EA
125	200-1402-01		..HINGE PLATE		1	EA
130	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
135	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		1	EA

140	200-1469-01		.WAVEGUIDE MOISTURE COVER (SB-MW-02) ATTACHING PARTS		1	EA
145	90218A116		..PANEL RIVET TIA P/N 135-0447		4	EA
150	RTV108		..CLEAR RTV (V-01139) TIA P/N 141-0009		A/R	

155	400-1366-01		.BASE PLATE ATTACHING PARTS		1	EA
160	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO, TIA P/N 135-0380-26B		6	EA

165	200-1398-01		.RUB STRIP (HANDLE) ATTACHING PARTS		1	EA
170	MS24693-24B		..SCREW, FLAT HD MACH, #6-32X1/4, 100°, BO, TIA P/N 135-0380-24B		2	EA

175	200-1466-01		.INVERTER PCB ASSY (ESDS) ATTACHING PARTS		1	EA
180	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		4	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
185	9275-SS-440		..#4-40 STANDOFF (V-06540) TIA P/N 126-0302		4	EA
190	MS24693-2B		..SCREW, FLAT HD MACH, #4-40X1/4, 100°, BO, TIA P/N 135-0380-2B		4	EA
195	400-1361-01		.OUTER WRAP		1	EA
			ATTACHING PARTS			
200	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO, TIA P/N 135-0380-26B		24	EA

205	NTNT-AO11- WRFO		.GLASS TRAY (TURNTABLE) (V-0F0A9) TIA P/N 134-0041		1	EA
210	FROLPA-020 WRKO		.SUPPORT (TURNTABLE) (V-0F0A9) TIA P/N 134-0049 (REPLACES OBSOLETE PART NUMBER FROLPA 046 WRKO USE ONLY WITH 200-1672-01 SHAFT COUPLER)		1	EA
215	8124K		.FAN (V-62292) TIA P/N 123-0024		1	EA
			ATTACHING PARTS			
220	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA
225	123-0038		..FINGER GUARD		1	EA
230	MS51957-45		..SCREW, PAN HD MACH, #8-32X1/2 TIA P/N 135-0381-45		4	EA

235	123-0067		.FINGER GUARD		1	EA
			ATTACHING PARTS			
240	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		4	EA
242	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA
			ATTACHING PARTS			
245	400-1381-01		.ASSEMBLY, POWER SUPPLY (ESDS)		1	EA
250	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
255	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		2	EA
257	242		..LOCTITE 242 (V-14776) TIA P/N 100146		AR	EA
260	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA
265	135-0250		..NYLON FLAT WASHER		6	EA
270	MS51957-47		..SCREW, PAN HD MACH, #8-32X3/4 TIA P/N 135-0381-47	A	3	EA
270	135-0112		..SCREW, PAN HD MACH, #8-32X3/4	B,C,D	3	EA

275	121-0100		.RELAY		2	EA
			ATTACHING PARTS			



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
277	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA
280	MS-51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		4	EA
285			..MOUNTING BRACKET (RELAY)		1	EA
			ATTACHING PARTS			
290	MS51957-45		..SCREW, PAN HD MACH, #8-32X1/2 TIA P/N 135-0381-45		2	EA

295	17-500-32		.ALTITUDE SWITCH (V-61225) TIA P/N 122-0153		1	EA
			ATTACHING PARTS			
300	200-1482-01		..MOUNTING PLATE, ALTITUDE SWITCH		1	EA
305	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA

310	400-1360-01		.REAR PANEL		1	EA
			ATTACHING PARTS			
315	MS24693-26B		..SCREW, FLAT HD MACH, #6-32X3/8, 100°, BO, TIA P/N 135-0380-26B		4	EA
320	MS21042-4		..1/4-28 LOCKNUT TIA P/N 135-0385-4		2	EA
325	200-1397-01		..PIN GUIDE		2	EA

330	MS3102R28-10P		.INPUT CONNECTOR TIA P/N 136-0162		1	EA
			ATTACHING PARTS			
335	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		4	EA
340	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		4	EA

345			.NAMEPLATE (NOT FOR SALE)		1	EA
			ATTACHING PARTS			
350	AD42-ABS		.POP RIVET (V01556) TIA P/N 135-0276		2	EA

355	400-1491-01		.GALLEY BRACKET ASSEMBLY (SEE IPL, FIGURE 1006)		1	EA
360	200-1395-01		.HANDLE		1	EA
			ATTACHING PARTS			
365	200-1396-01		..HANDLE BRACKET		1	EA
370	1217-10-A		..SPACER (HANDLE) (V-06540) TIA P/N 126-0311		2	EA
375	MS51958-64		..SHOULDER SCREW (HANDLE) TIA P/N 135-0382-64		2	EA
380	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
385	MS24693-C25		..SCREW, FLAT HD MACH, #6-32X5/16, 100° TIA P/N 135-0380-C25		1	EA

390	400-1359-01		.LINER WELDMENT		1	EA
			ATTACHING PARTS			
395	135-0084		..SCREW, HEX HD MACH, #8-32X1/2		3	EA
400	AN960-C8		..#8 FLAT WASHER TIA P/N 135-0383-C8		3	EA
405	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA
410	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		3	EA
			ATTACHING PARTS			
415	300-1596-01		.LATCH BASE PLATE		1	EA
420	MS24693-C3		..SCREW, FLAT HD MACH, #4-40X5/16, 100° TIA P/N 135-0380-C3`		4	EA
425	9634K12		..SPRING ANCHOR (V-2V507) TIA P/N 126-0312		2	EA
430	300-1599-01		.LATCH PLATE, RHH		1	EA
435	200-1485-01		..BUSHING, LATCH PLATE		4	EA
440	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		4	EA
445	MS51957-16		..SCREW, PAN HD MACH, #4-40X7/16 TIA P/N 135-0381-16		4	EA
450	LE-026B-0		..EXTENSION SPRING (LATCH) (V-1A699) TIA P/N 126-0314		2	EA
455	9634K12		..SPRING ANCHOR (V-2V507) TIA P/N 126-0312		2	EA

460	400-1617-01		.BEARING, PIVOT ARM (SB-MW-01)		1	EA
			ATTACHING PARTS			
462	300-1647-01		.PIVOT ASSEMBLY			
465	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
470	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA

475	200-1410-01		.MTG BRACKET (SWITCH)		1	EA
			ATTACHING PARTS			
480	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
485	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA
			ATTACHING PARTS			
490	122-0083		.MICROSWITCH (DOOR LATCH)		1	EA
			ATTACHING PARTS			
495	122-0084		..ROLLER MICROSWITCH (DOOR LATCH) (NOT SHOWN)		1	EA
500	MS51957-19		..SCREW, PAN HD MACH, #4-40X3/4		2	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
			TIA P/N 135-0381-19			
505	AN960-C4		..#4 FLAT WASHER TIA P/N 135-0383-C4		2	EA
510	AN960-C4		..#4 FLAT WASHER TIA P/N 135-0383-C4		2	EA
515	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		2	EA

520	3AC6		..MICROSWITCH (DOOR) (V-83803) TIA P/N 122-0011		1	EA
			ATTACHING PARTS			
525	200-1399-01		..BUMPER (MICROSWITCH)		1	EA
530	200-1411-01		..MTG BRACKET TOP		1	EA
535	MS51957-27		..SCREW, PAN HD MACH, #6-32X1/4 TIA P/N 135-0381-27		2	EA
540	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
545	200-1412-01		..SPACER, MTG BRACKET		1	EA
550	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
555	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA

560	3AC6		..MICROSWITCH (DOOR) (V-83803) TIA P/N 122-0011		1	EA
			ATTACHING PARTS			
565	200-1399-01		..BUMPER (MICROSWITCH)		1	EA
570	200-1413-01		..MTG BRACKET BOTTOM		1	EA
575	MS51957-27		..SCREW, PAN HD MACH, #6-32X1/4 TIA P/N 135-0381-27		2	EA
580	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
585	200-1412-01		..SPACER, MTG BRACKET		1	EA
600	200-1393-01		..MTG BRACKET (LAMPHOLDER)		1	EA
			ATTACHING PARTS			
605	200-1394-01		..SPACER (LAMPHOLDER BRKT)		1	EA
610	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		2	EA
615	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA
620	14642		..LAMPHOLDER T-3 1/4 MINI BAY (V-08805) TIA P/N 122-0151		2	EA
625	1873		..BULB .2A 28V T-3 1/4 MINI-BAY (V-08805) TIA P/N 122-0150		2	EA

630	2M214-19		..MAGNETRON TIA P/N 121-0108		1	EA
			ATTACHING PARTS			
635	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8		4	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
			TIA P/N 135-0381-43			
640	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		4	EA

645	3450M		.THERMOSTAT 320°F, MANUAL RESET (V-14604) TIA P/N 125-0045		1	EA
650	MS51957-13		..SCREW, PAN HD MACH, #4-40X1/4 TIA P/N 135-0381-13		2	EA

655	150-0185-04		.THERMOSTAT 250°F TIA P/N 125-0003		1	EA
			ATTACHING PARTS			
660	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04		2	EA

665	91115A565		.STANDOFF (LINER) (V-OE328) TIA P/N 126-0340		2	EA
670	RMOTD-A064		.MOTOR (TURNTABLE) (V-0F0A9) TIA P/N 134-0045		1	EA
			ATTACHING PARTS			
675	MS51957-43		..SCREW, PAN HD MACH, #8-32X3/8 TIA P/N 135-0381-43		2	EA
680	200-1468-01		..MOTOR SHAFT SHIELD		1	EA
685	200-1672-01		..SHAFT COUPLER (REPLACES OBSOLETE PART NUMBER 200-1467-01. USE ONLY WITH TURNTABLE SUPPORT FROLPA-046 WRKO)		1	EA
			ATTACHING PARTS			
-687	RTV 108		..RTV, CLEAR (V-01139) TIA P/N 141-0009		A/R	EA

690	MS21042-08		..#8 LOCKNUT TIA P/N 135-0385-08		2	EA

695	AN960-C4		WASHER, FLAT TIA P/N 135-0383-C4 USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND BELOW	A,B,C,D	5	Ea
-695A			NOT USED. OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D	0	EA
700	MS51957-15		SCREW, PAN HEAD, #4-40X3/8 TIA P/N 135-0381-15. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND BELOW	A,B,C,D	5	EA
-700A	MS51957-15		..SCREW, FLAT HD MACH, #4-40X3/8 TIA P/N 135-0380-4. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D	5	EA
705	121-0109		.FILTER EMI-RFI		1	EA



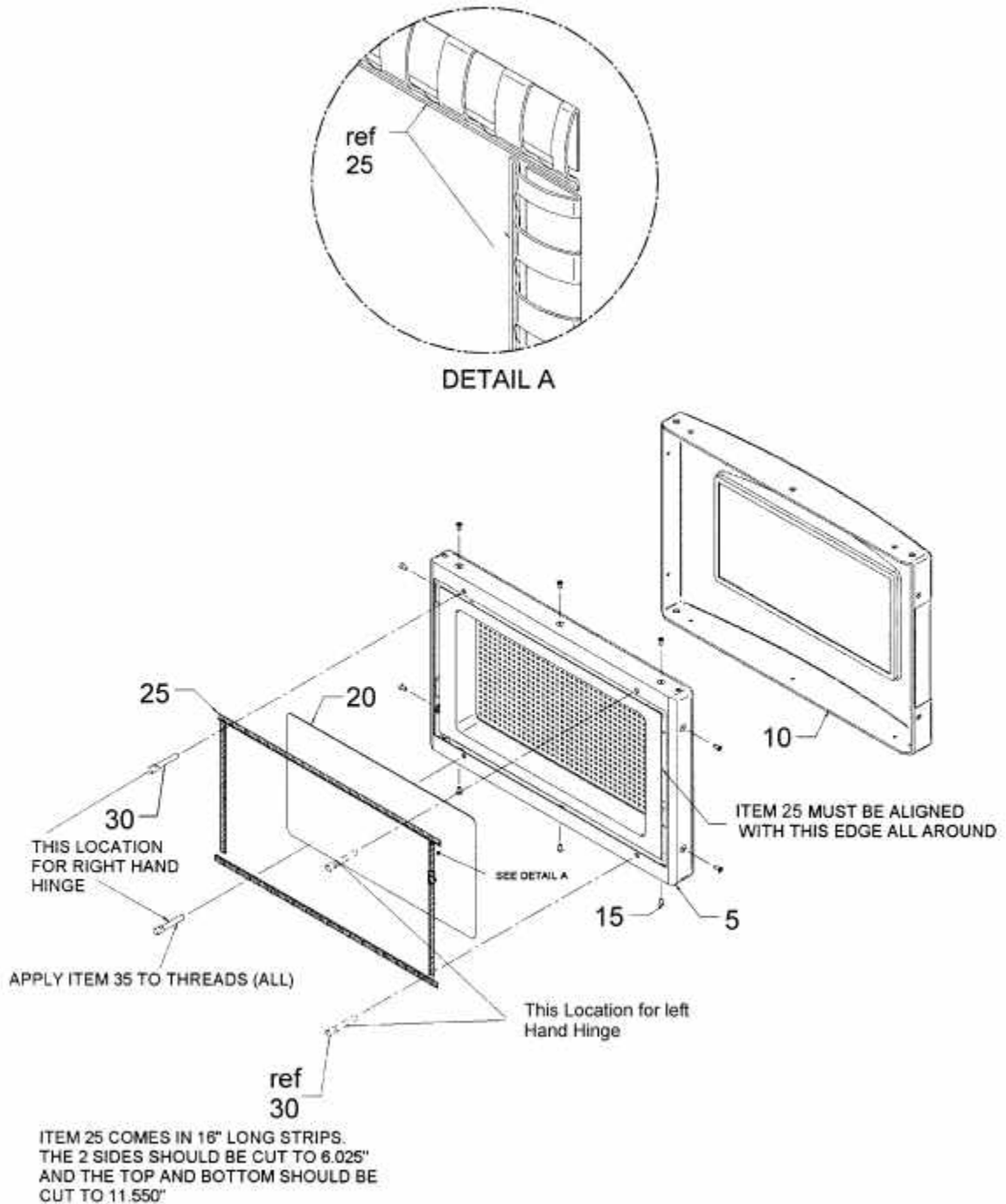
**WAVEJET MICROWAVE OVEN
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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
			ATTACHING PARTS			
710	MS51957-28		..SCREW, PAN HD MACH, #6-32X3/8 TIA P/N 135-0381-28		2	EA
715	AN960-C6		..#6 FLATWASHER TIA P/N 135-0383-C6		2	EA
720	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		2	EA

725	300-1598-01		.MTG BRACKET (FILTER)		1	EA
730	MS21042-06		..#6 LOCKNUT TIA P/N 135-0385-06		1	EA
735	AN960-C6		..#6 FLATWASHER TIA P/N 135-0383-C6		1	EA
740	135-0263		..#8 FLATWASHER		1	EA
745			NOT USED			
745A	126-0307		PLUG, HOLE, 1/2" DIA.	A,B,C,D	1	EA
750			NOT USED		1	EA
755			NOT USED		1	EA
760	300-1870-01		LABEL, MICROWAVE USE (SB-MW-003)		1	EA
765	200-1733-01		LABEL, WARNING BUTTON (ONLY REQUIRED ON NEW UNITS. MAY ONLY BE REMOVED BY CUSTOMER.) (SB-MW-003)		1	EA
-770	MS51957-28		.SCREW, GROUND TIA P/N 135-0381-28		1	EA
-775	135-0441		.WASHER, LOCK #6 EXT TOOTH		1	EA



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**Figure 1003. Illustrated Parts List,
Door Assembly (400-1480-01 & -02, 400-1363-01 & -02)**



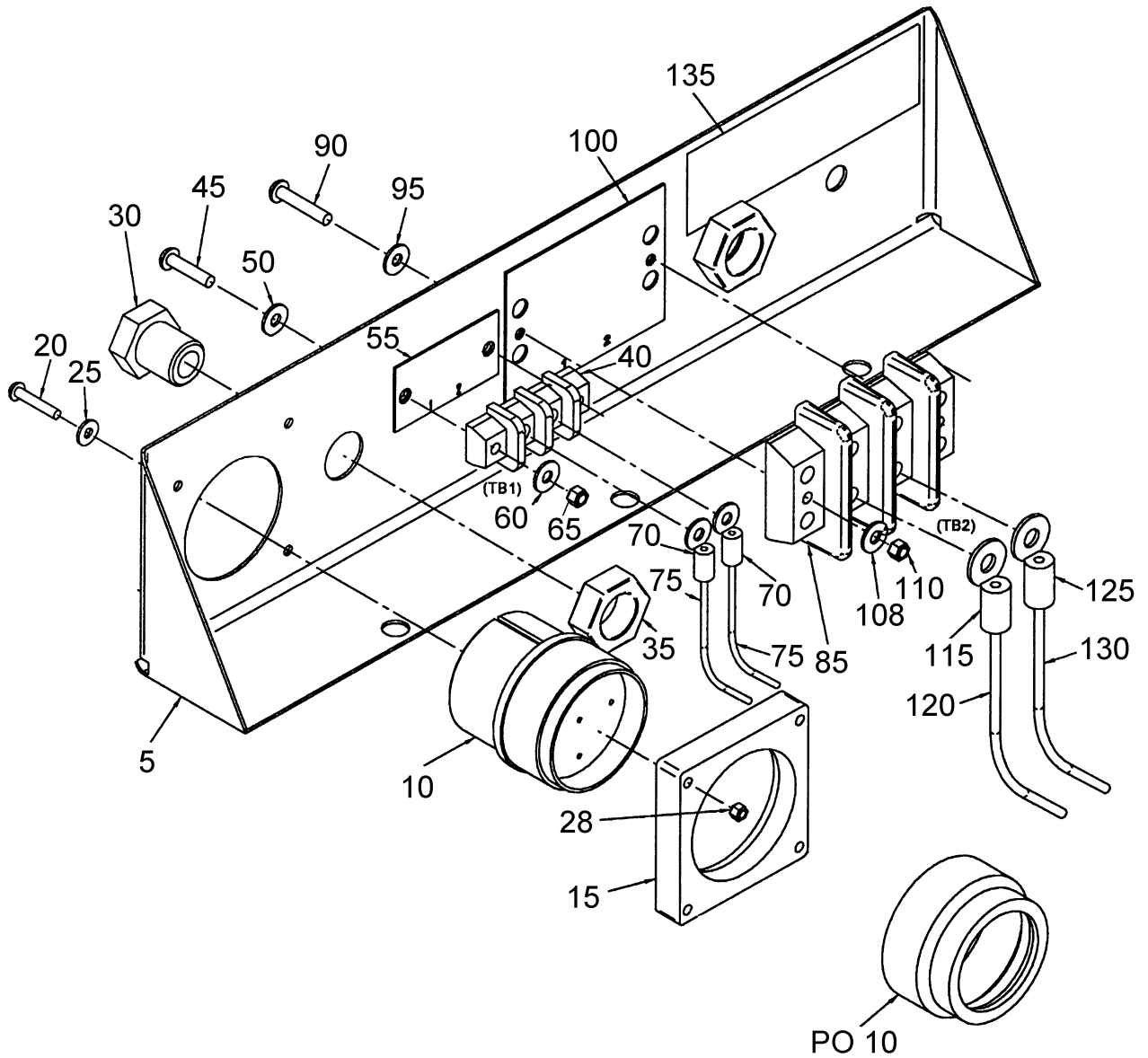
**WAVEJET MICROWAVE OVEN
COMPONENT MAINTENANCE MANUAL
WITH ILLUSTRATED PARTS LIST**

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE 1234567	EFF CODE	QTY	U M
1003/						
1	400-1480-01		DOOR ASSEMBLY	A	RF	EA
-1A	400-1480-02		DOOR ASSEMBLY	B	RF	EA
-1B	400-1480-03		DOOR ASSEMBLY	C	RF	EA
-1C	400-1480-04		DOOR ASSEMBLY	D	RF	EA
-1D	400-1363-01		DOOR ASSEMBLY	E	RF	EA
-1E	400-1363-02		DOOR ASSEMBLY	F	RF	EA
-1F	400-1872-01		DOOR ASSEMBLY	G	RF	EA
5	400-1365-01		.DOOR WELDMENT		1	EA
10	400-1854-01		.DOOR COVER	A,B,G	1	EA
-10A	400-1773-01		.DOOR COVER, SOLID, WAVEJET	C,D	1	EA
-10B	400-1857-01		.DOOR COVER	E,F	1	EA
			ATTACHING PARTS			
15	MS24693-3B		..SCREW, FLAT HD MACH, #4-40X5/16, BO TIA P/N 135-0367		10	EA

20	200-1426-01		.INNER DOOR COVER		1	EA
25	126-0345		.EMI CNDCTV GSKT, 16" LONG		3	EA
30	200-1416-01		.PIN, ACTUATOR		2	EA
			ATTACHING PARTS			
35	141-0003		..LOCTITE #222 PURPLE		A/R	EA



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**Figure 1004. Illustrated Parts List,
Galley Bracket Assembly**



**WAVEJET MICROWAVE OVEN
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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE 1234567	EFF CODE	QTY	U M
1004/						
1	400-1491-01		GALLEY BRACKET ASSY, 28VDC, WAVEJET		RF	EA
5	300-1602-01		.BRACKET, GALLEY		1	EA
10	200-1418-01		.CONNECTOR, INPUT		1	EA
15	200-1417-01		.RETAINER, CONNECTOR		1	EA
			ATTACHING PARTS			
20	MS51957-18		..SCREW, #4-40 X 5/8", PHMS TIA P/N 135-0381-18		4	EA
25	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4		4	EA
28	MS21042-04		..NUT, #4-40, SELF LOCKING TIA P/N 135-0385-04		4	EA

30	200-1415-01		.PANEL, BUSHING		2	EA
			ATTACHING PARTS			
35	135-0208		.9/16-18 HEX JAM NUT, SS		2	EA

40	699-2-GP		.TERMINAL BOARD (V83330) TIA P/N 137-0117		1	EA
			ATTACHING PARTS			
45	MS51957-32		.SCREW, PAN HD MACH, #6-32X3/4 TIA P/N 135-0381-32		4	EA
50	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		8	EA

55	137-0130		.MARKER STRIP, 2 POS., SINGLE ROW USE WITH P/N 137-0117		1	EA
			ATTACHING PARTS			
60	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		8	EA
65	MS21042-06		.LOCKNUT, #6-32, SELF LOCKING TIA P/N 135-0385-06		4	EA

70	126-0033		.LUG, TERM. NO. 6 RED		2	EA
75	138-0059		.WIRE, ELECT. 18 AWG, WHT		A/R	
80	126-0069		.JUMPER		1	EA
85	121-0114		.TERMINAL BOARD		1	EA
			ATTACHING PARTS			
90	MS51957-32		.SCREW, PAN HD MACH, #6-32X3/4 TIA P/N 135-0381-32		4	EA
95	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		8	EA

100	137-0129		.MARKER STRIP, 2 POS. USE WITH P/N 121-0114		1	EA
			ATTACHING PARTS			
105	AN960-C6		..#6 FLAT WASHER TIA P/N 135-0383-C6		8	EA
110	MS21042-06		.LOCKNUT, #6-32, SELF LOCKING TIA P/N 135-0385-06		4	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1004/			1234567			
115	126-0035		.LUG, TERM. NO. 10 YEL		2	EA
120	138-0008		.WIRE, ELECT. 10 AWG, RED		A/R	
125	126-0035		.LUG, TERM. NO. 10 YEL		2	EA
130	138-0006		.WIRE, ELECT. 10 AWG, BLACK		A/R	
135	200-1661-01		.LABEL, DC GALLEY BRACKET		1	EA



**WAVEJET MICROWAVE OVEN
COMPONENT MAINTENANCE MANUAL
WITH ILLUSTRATED PARTS LIST**

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TO: THE HOLDERS OF TIA WAVEJET MICROWAVE OVEN 28VDC
COMPONENT MAINTENANCE MANUALS (25-30-43).

TEMPORARY REVISION 25-30-43-1 DATED 8 August 2003

HIGHLIGHTS:

Below is a listing and highlights of each page contained in Temporary Revision 25-30-43-1. Insert each page of the revision as directed on each page. Record the insertion of the temporary revisions on page ROTR1 in the component maintenance manual.

Chapter/Section and Page Number	Description of temporary change	Effectivity
25-30-43 Page 1	Added parts to the part list figure 1004	
25-30-43 Page 2	Incorporated TIA Engineering change designating superceding part number for control fascia	400-1338-02-L 400-1409-02-L 400-1409-02-L-N 400-1746-02-L
25-30-43 Page 3	Incorporated TIA Engineering change designating superceding part number for control fascia	400-1338-02-R 400-1409-02-R 400-1409-02-R-N 400-1746-02-R



**WAVEJET MICROWAVE OVEN
COMPONENT MAINTENANCE MANUAL
WITH ILLUSTRATED PARTS LIST**

TEMPORARY REVISION 25-30-43-1

This page is to be inserted into 25-30-43 facing between page numbers 1003 and 1004.

A recent TIA engineering change has designated new part numbers for the Control Facia. These part numbers supercede the previous part numbers. The items below will be the incorporated into 25-30-43 at the next revision of this manual. No operator action is required at this time. This revision is to ensure that the proper parts are ordered during service.

PART NUMBER	AIRLINE STOCK NUMBER	FIGURE NUMBER	ITEM	QTY	UM
400-1858-01		1001	10A	1	EA
		1002	10A	1	EA
400-1859-01		1001	10	1	EA
		1002	10	1	EA



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TEMPORARY REVISION 25-30-43-1

This page is to be inserted into 25-30-43 facing between page numbers 1023 and 1024.

A recent TIA engineering change has designated new part numbers for the Control Facia and Door Cover. These part numbers supercede the previous part numbers. The items below will be the incorporated into 25-30-43 at the next revision of this manual. No operator action is required at this time. This revision is to ensure that the proper parts are ordered during service.

FIG/ ITEM	Part NO.	Airline Part No.	Description/Nomenclature	EFF Code	Qty	UM
10	400-1859-01		.FACIA (CONTROLS)	A	1	EA
10A	400-1858-01		.FACIA (CONTROLS)	B,C,E	1	EA



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TEMPORARY REVISION 25-30-43-1

This page is to be inserted into 25-30-43 facing between page numbers 1036 and 1037.

A recent TIA engineering change has designated new part numbers for the Control Facia and Door Cover. These part numbers supercede the previous part numbers. The items below will be incorporated into 25-30-43 at the next revision of this manual. No operator action is required at this time. This revision is to ensure that the proper parts are ordered during service.

FIG/ ITEM	Part NO.	Airline Part No.	Description/Nomenclature	EFF Code	Qty	UM
10	400-1859-01		.FACIA (CONTROLS)	A	1	EA
10A	400-1858-01		.FACIA (CONTROLS)	B,C,D	1	EA



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TO: THE HOLDERS OF TIA **WAVEJET** 28 Volts DC COMPONENT MAINTENANCE MANUALS (25-30-43).

SUBJECT: TEMPORARY REVISION 25-30-43-2 DATED 21 May 2004.

HIGHLIGHTS:

Below is a listing and highlights of each page contained in Temporary Revision 25-30-43-2. Insert pages as directed in the revision. Record the insertion of the temporary revisions on page ROTR1 in the component maintenance manual.

Chapter/Section and Page Number	Description of temporary change	Effectivity
25-30-43 Page 1	Adds new Wavejet, part number 400-1338-02-L-N, to the existing tables. Corrects the depth measurement for the 400-1409-02-L-N and 400-1409-02-R-N from 14.75 inches to 15.25 inches.	400-1338-02-L-N 400-1409-02-L-N 400-1409-02-R-N
25-30-43 Page 1037	Adds new Wavejet, part number 400-1338-02-L-N to Figure 1002.	400-1338-02-L-N



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WITH ILLUSTRATED PARTS LIST**

TEMPORARY REVISION 25-30-43-2

Insert this page into TIA Component Maintenance Manual 25-30-43 facing between INTRO1/-INTRO2 and LP1/-LP2.

This Temporary Revision updates the Leading Particulars and Illustrated Parts List of the Component Maintenance Manual 25-30-43 for the addition of new Part Number Wavejet (400-1338-02-L-N). This page of the revision adds the 400-1338-02-L-N dimensions and corrects the Depth dimension given for the 400-1409-02-L-N and 400-1409-02-R-N. No operator action is required at this time. This revision will remain in effect until the next revision of 25-30-43.

1. **Dimensions:**

Exterior:

Model	Height	Width	Depth
400-1338-02-L-N	13.0"	13.0"	14.75"***
400-1409-02-R-N	13.0"	13.0"	15.25"***
400-1409-02-L-N	13.0"	13.0"	15.25"***

* Microwave depth measurement includes Mounting Bracket.

**There is no mounting bracket with this model. This measurement is from the front of the unit to the tip of the alignment pins.

Interior:

Model	Height	Width	Depth
400-1338-02-L-N	6.0"	11.0"	12.0"



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TEMPORARY REVISION 25-30-43-2

Insert this page into TIA Component Maintenance Manual 25-30-43 facing between 1036 and 1037.

This Temporary Revision updates the Leading Particulars and Illustrated Parts List of the Component Maintenance Manual 25-30-43 for the addition of new Part Number Wavejet (400-1338-02-L-N). This Page updates Figure 1002 for the 400-1338-02-L-N. No operator action is required at this time. This revision will remain in effect until the next revision of 25-30-43.

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
			1234567			
1002/			WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
1D	400-1338-02-L-N		WAVEJET ASSY, 28VDC, LEFT HAND HINGE, FLAT FRONT	E	RF	EA
5	200-1424-01		.SWITCH PANEL OVERLAY	A, E	1	EA
10	400-1379-01		.FACIA (CONTROLS)	A, E	1	EA
20	200-1423-01		.BUSH, BUTTON	A, E	1	EA
25	MS24693-C7		..SCREW, FLAT HD MACH, #4-40X5/8, 100° TIA P/N 135-0380-C7	A, E	4	EA
30	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4	A, E	4	EA
35	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04	A, E	4	EA
65	200-1435-01		.BUTTON FACE	A, E	1	EA
70	200-1434-01		..ROD (BUTTON ACTUATOR)	A, E	1	EA
95	400-1363-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	A, E	1	EA
270	MS51957-47		..SCREW, PAN HD MACH, #8-32X3/4 TIA P/N 135-0381-47	A, E	3	EA
355	400-1494-01		GALLEY BRACKET ASSEMBLY (SEE IPL FIGURE 1006)	A,B,C,D	1	EA
355A			NOT USED	E	0	EA
-695A			NOT USED. OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D, E	0	EA
-700A	MS51957-15		..SCREW, FLAT HD MACH, #4-40X3/8 TIA P/N 135-0380-4. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D, E	5	EA
745A	126-0307		PLUG, HOLE, 1/2" DIA.	A,B,C,D, E	1	EA



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TO: THE HOLDERS OF TIA WAVEJET COMPONENT
MAINTENANCE MANUALS (25-30-43).

TEMPORARY REVISION 25-30-43-3 DATED October 23, 2006

HIGHLIGHTS:

Below is a listing and highlights of each page contained in Temporary Revision 25-30-43-3. Insert each page of the revision as directed on each page. Record the insertion of the temporary revisions on page ROTR1 in the component maintenance manual.

Chapter/Section and Page Number	Description of temporary change	Effectivity
25-30-43 Pages 1,2	Incorporate New 14 button switch panel into the operating instructions into the manual.	400-1338-02 400-1409-02 400-1746-02 400-1860-01
25-30-43 Pages 3,4	Incorporate New 14 button switch panel into the operating instructions into the manual.	400-1338-02 400-1409-02 400-1746-02 400-1860-01
25-30-43 Page 5	Incorporate New 14 button switch panel Figure 1001 of the manual.	400-1338-02 400-1409-02 400-1746-02 400-1860-01
25-30-43 Page 6	Incorporate New 14 button switch panel Figure 1002 of the manual.	400-1338-02 400-1409-02 400-1746-02 400-1860-01



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Temporary Revision 25-30-43-3

Insert page 1 and 2 of this temporary revision into TIA Component Maintenance Manual 25-30-43 facing between pages 8 and 9.

Pages 1 and 2 of Temporary Revision 25-30-40-3 ads operating instructions for the improved fourteen-button switch panel, which has been recently incorporated into the Wavejet Microwave. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

OPERATION

CAUTION Always have food or liquid in the cooking cavity of the microwave when it is **ON** to absorb the microwave energy. Failure to do so may result in damage to the Wavejet Microwave.

- A. Push large button located at the side of the control fascia to open the Wavejet's door.

NOTE: The light inside the Wavejet turns ON when the door is open and during cooking cycle.

- B. Place food in center of carousel plate.
C. Close door by pushing firmly shut.
D. Display will register 00:00 except when food is cooking or when cook time is being set. Set desired cooking time using the numeric Keypad.
- The **1 MIN** Button will add time to the timer in 1-minute increments.
 - The programmable **POPCORN** button can be easily programmed to a user selected time setting. To Program the popcorn button, set the desired time on the display using the numeric keypad, then press and hold the POPCORN button for 10 seconds.
- E. Press **START/STOP** button to begin cooking cycle.
F. During cooking cycle, you can press the Start/Stop button to turn microwave off.
G. The **CLEAR/RESET** Button will return the timer to 00:00, or recall the last entered time interval.
H. A chime will indicate when cooking cycle is completed.



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NOTE: Upon completion of the cooking cycle, the display will register 00:00 until a new cooking time is entered. The Wavejet microwave will absorb power outages of short duration (less than 15 seconds). When the power drops, the Wavejet will stop cooking, but the display will retain the cooking time. When power returns, the START/STOP button must be depressed to continue cooking cycle.

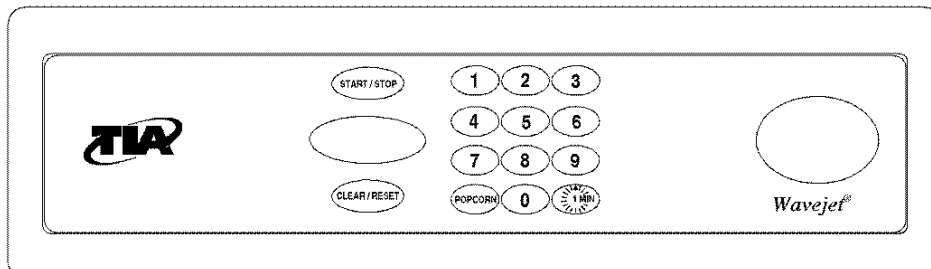


Figure 3A. Fourteen-Button Switch Panel

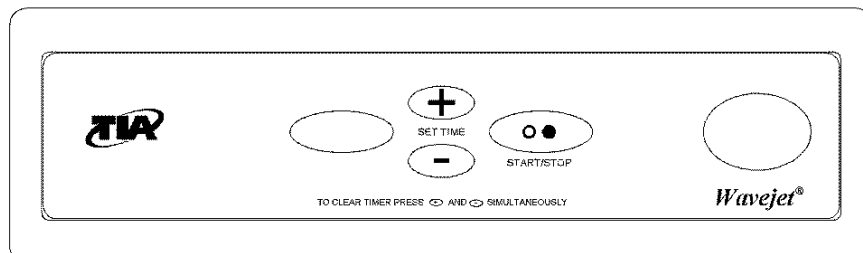


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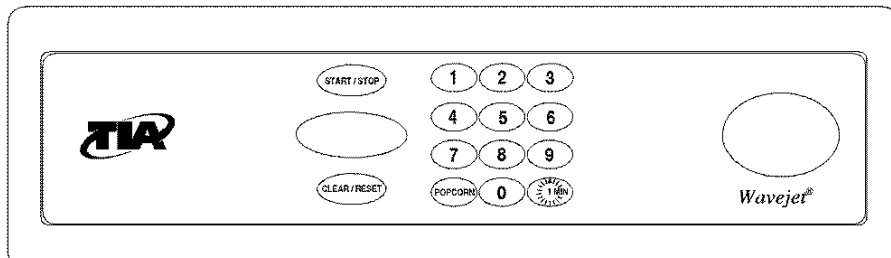
Temporary Revision 25-30-43-3

Insert page 3 and 4 of this temporary revision into TIA Component Maintenance Manual 25-30-43 facing between pages 504 and 601.

This Temporary Revision reflects the changes to the Illustrated Parts List of the Component Maintenance Manual, 25-30-43, when a new controller card and fourteen-button switch panel have been added to the Wavejet Microwave Oven. Please see Figure 605 and Figure 606. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.



**Figure 605. Three-button Switch Panel
(200-1424-01 Shown)**



**Figure 606. Fourteen-Button Switch Panel
(200-1847-01 Shown)**



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5. Controller Card and Switch Panel Replacement (Not Applicable to P/N 400-1338-04) The following section provides detail relating to the replacement of the controller and the switch panel for both units manufactured with the original 3 button Switch Panel and the new 14 button Switch Panel.

A. Controller Card Replacement. Controller card P/N 300-1610-02, supercedes Controller P/N 300-1610-01. The new controller card (300-1610-02) is a direct replacement for 300-1610-01 and will work with both the original Three Button switch panels and the new Fourteen-button switch panels.

B. Switch Panel Replacement. The new Fourteen Button switch panels are not compatible with the original controller card (300-1610-01)

- 1) If you have a Wavejet microwave with a 3-button switch panel that needs to be replaced, you must order both the new controller card (300-1610-02) and the corresponding new fourteen button switch panels (200-1847-01, 200-1848-01, 200-1872-01, 200-1873-01). The Three Button switch panel configuration is no longer available as a spare part.
- 2) If you have a Wavejet microwave with a fourteen button switch panel that needs to be replaced, Order the new fourteen button switch panel as necessary (200-1847-01, 200-1848-01, 200-1872-01, 200-1873-01), as necessary. The controller card does not need to be replaced.



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Temporary Revision 25-30-43-3

Insert this page into TIA Component Maintenance Manual 25-30-43 facing between 1023 and 1024.

This Temporary Revision reflects the changes to the Illustrated Parts List of the Component Maintenance Manual, 25-30-43, when the new fourteen-button switch panel and new controller card have been added to the Wavejet Microwave Oven. Refer to the below table in place of the corresponding items shown in 25-30-43. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1001/			1234567 WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
5	200-1484-01		.DELETED REPLACED BY TIA P/N 200-1848-01	A,F,G	1	EA
-5A	400-1486-01		.DELETED REPLACED BY TIA P/N 200-1873-01	B,C,D, E	1	EA
5B	200-1848-01		.SWITCH PANEL OVERLAY, FOURTEEN BUTTON REPLACES TIA P/N 200-1484-01. MUST BE USED WITH CONTROLLER TIA P/N 300-1610-02.	A,F,G	1	EA
-5C	200-1873-01		.SWITCH PANEL OVERLAY, FOURTEEN BUTTON REPLACES TIA P/N 400-1486-01. MUST BE USED WITH CONTROLLER TIA P/N 300-1610-02	B,C,D, E	1	EA
40	300-1610-01		.DELETED REPLACED BY 300-1610-02.		1	EA
40A	300-1610-02		.CONTROLLER, WAVEJET (ESDS). REPLACES TIA P/N 300-1610-01	A,B,C, D,E	1	EA



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Temporary Revision 25-30-43-3

Insert this page into TIA Component Maintenance Manual 25-30-43 facing between pages 1036 and 1037.

This Temporary Revision reflects the changes to the Illustrated Parts List of the Component Maintenance Manual, 25-30-43, when a new controller card and fourteen-button switch panel have been added to the Wavejet Microwave Oven. Refer to the below table in place of the corresponding items shown in 25-30-43. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1002/			1234567 WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
5	200-1424-01		.DELETED REPLACED BY TIA P/N 200-1847-01	A,E,F	1	EA
-5A	400-1376-01		.DELETED REPLACED BY TIA P/N 200-1872-01	B,C,D	1	EA
5B	200-1847-01		.SWITCH PANEL OVERLAY, FOURTEEN BUTTON REPLACES TIA P/N 200-1424-01. MUST BE USED WITH CONTROLLER TIA P/N 300-1610-02.	A,E,F	1	EA
-5C	200-1872-01		.SWITCH PANEL OVERLAY, FOURTEEN BUTTON REPLACES TIA P/N 400-1376-01. MUST BE USED WITH CONTROLLER TIA P/N 300-1610-02.	B,C,D	1	EA
40	300-1610-01		.DELETED REPLACED BY 300-1610-02		1	EA
40A	300-1610-02		.CONTROLLER, WAVEJET (ESDS) REPLACES TIA P/N 300-1610-01	A,B,C, D,E	1	EA



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TO: THE HOLDERS OF TIA MODEL WAVEJET 28VDC COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST (25-30-43).

SUBJECT: TEMPORARY REVISION 25-30-43-4
DATED: October 23, 2006

HIGHLIGHTS:

Below is a listing and highlights of each page contained in Temporary Revision 25-30-48-1. Insert pages as directed on each page in the revision. Record the insertion of the temporary revisions on page ROTR1 in the component maintenance manual.

Chapter/Section and Page Number	Description of temporary change	Effectivity
25-30-43 Page 1	Adds new part number to the Leading Particulars	400-1338-04-L 400-1338-04-R
25-30-43 Page 2, 3	Adds VENTILATION REQUIREMENTS for the new part number to the GENERAL DESCRIPTION section of the manual.	400-1338-04-L 400-1338-04-R
25-30-43 Page 4,5	Adds new part number to Figure 1001	400-1338-04-R
25-30-43 Page 6,7	Adds new part number to Figure 1002	400-1338-04-L



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Temporary Revision 25-30-43-4

Insert this page into TIA Component Maintenance Manual 25-30-43 facing between INTRO1/-INTRO2 and LP1/-LP2.

Temporary Revision 25-30-43-4 reflects the changes to the Wavejet Component Maintenance Manual when new part numbers of the Wavejet Microwave, P/N 400-1338-04-L and P/N 400-1338-04-R are added. Insert each page into the manual, as instructed on each page. No operator action is required at this time. This temporary revision will remain in effect until the next revision of the manual.

This page of the Temporary Revision adds the dimensions of 400-1338-04 to the **LEADING PARTICULARS** section of the Component Maintenance Manual. Refer to the section numbers below for information for 400-1338-04.

LEADING PARTICULARS

1. Dimensions:

Exterior:

Model	Height	Width	Depth
400-1338-04	13.0"	13.0"	15.76"*

*Microwave depth measurement includes mounting bracket.

Interior:

Model	Height	Width	Depth
400-1338-04	6.0"	11.0"	12.0"

4. Cooking Time:

Basic Part No.	Maximum Cooking Cycle
400-1338-02	60 Minutes
400-1338-04	30 Minutes
400-1409-02	60 Minutes
400-1860-01	60 Minutes



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Insert pages 2 and 3 of Temporary Revision 25-30-43-4 into TIA Component Maintenance Manual 25-30-43 facing, between Page 1 and 2.

This page of the Temporary Revision is to add additional ventilation detail and figure specific to the 400-1338-04. Refer to the section numbers below in place of the section numbers shown in 25-30-43. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

B. General Ventilation Requirements

The Wavejet Microwave requires unobstructed air at the rear inlets at an air temperature not exceeding 35° C. The unit dissipates approximately 500 watts of heat via two 3.5-inch diameter fans located in the top rear portion of the unit. Cool air is drawn into the fans located in the top rear of the unit and warm air is ejected out the vents located in the lower portion of the unit. For proper cooling of the microwave, it is strongly recommended to prevent the mixing of the cool inlet air with the warm exhaust air. The unit has its own fans but they must have a fresh air supply and a way to exhaust the warm air. Items 1, 2, and 3 are alternate ways to ventilate the Wavejet. (See Figure 1)

1. Provide a space around the unit that is separated top to bottom with a piece of foam or rubber (baffle) that allows the air to come in the top and go out the bottom. Figure 2 shows the suggested installation to properly channel the air using baffles.
2. Provide an intake at the rear and at the top of the cavity plus an exhaust at the rear bottom. Both to be approximately 10 to 14 inches².
3. Provide good circulation behind the unit with a separate fan that would both supply fresh air for the intake and exhaust the warm air.

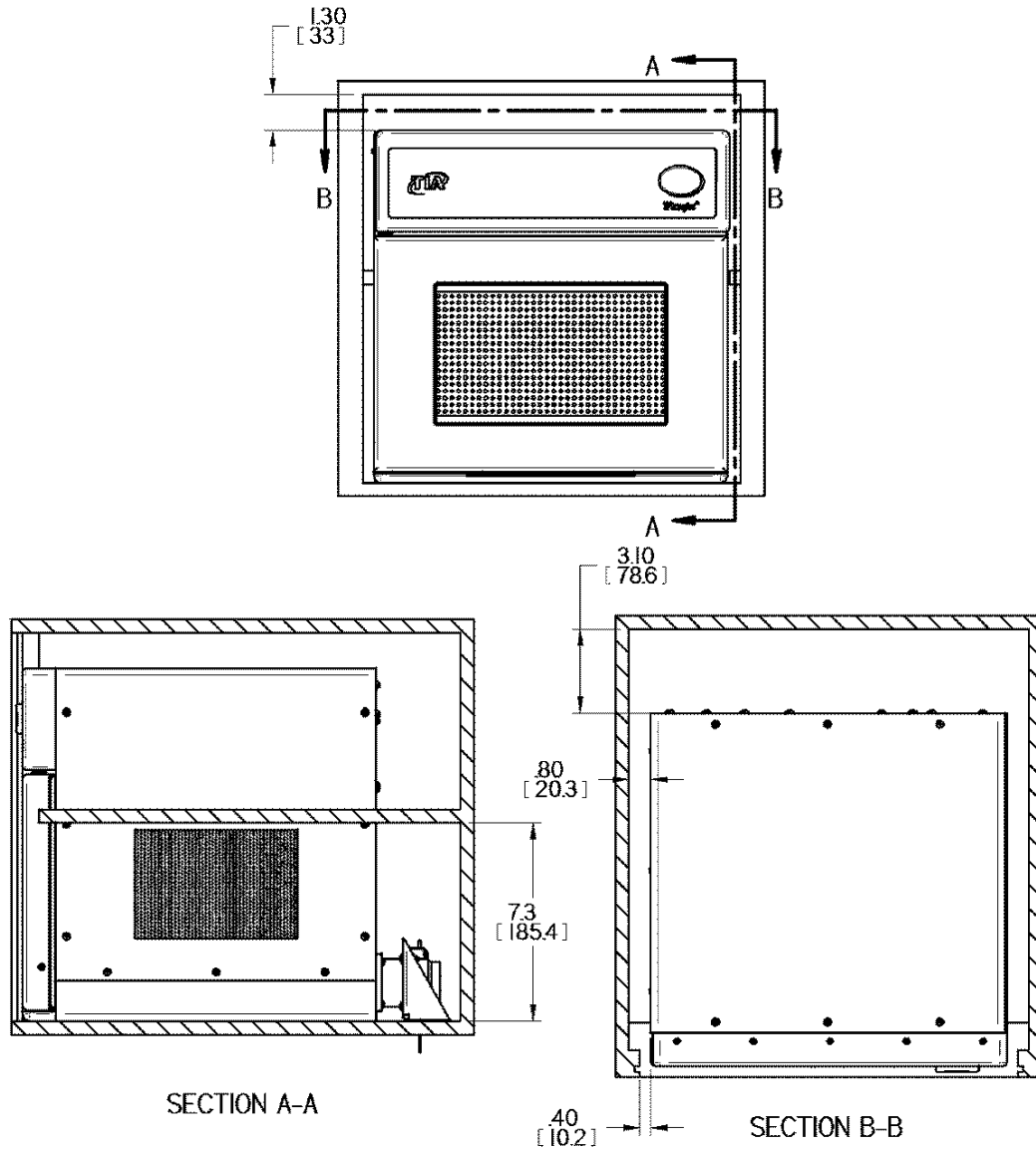
Applies to Wavejet Microwaves, P/N 400-1338-04

4. Wavejet Microwaves P/N 400-1338-04-L and 400-1338-04-R have a reduced maximum operating time and may only be operated for a maximum of 30 minutes for each cooking cycle. Due to the shorter maximum operating time, the air gaps around the microwave may be reduced. The minimum acceptable ventilation requirements for 400-1338-04-L and 400-1338-04-R are shown on Figure 2A.



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DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS

Figure 2A. Microwave Cooling Requirements
(P/N 400-1338-04 Only)

25-30-43

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Insert this page into TIA Component Maintenance Manual 25-30-43 facing between 1023 and 1024.

This page of the Temporary Revision is to add the 400-1338-04-R to the Illustrated Parts List figure 1001. The following table lists the part number effectivity for items specific to the 400-1338-04-R. Items that are not listed in the below table may be referenced in Figure 1001 in 25-30-43. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1002/			1234567 WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
1F	400-1338-04-R		WAVEJET ASSY, 28VDC, RIGHT HAND HINGE, FLAT FRONT	G	RF	EA
5	200-1424-01		.SWITCH PANEL OVERLAY	A,F,G	1	EA
10	400-1379-01		.FACIA (CONTROLS)	A,F,G	1	EA
20	200-1423-01		.BUSH, BUTTON	A,F,G	1	EA
25	MS24693-C7		.SCREW, FLAT HD MACH, #4-40X5/8, 100° TIA P/N 135-0380-C7	A,F,G	4	EA
30	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4	A,F,G	4	EA
35	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04	A,F,G	4	EA
40B	300-1610-03		.CONTROLLER, WAVEJET (ESDS) 30 MINUTE TIMER	G	1	EA
65	200-1435-01		.BUTTON FACE	A,F,G	1	EA
70	200-1434-01		..ROD (BUTTON ACTUATOR)	A,F,G	1	EA
95	400-1363-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	A,F,G	1	EA
145	135-0447		.RIVET, PANEL	A-G	4	EA
155	400-1868-01		.BASE PLATE	A-G	1	EA
195A	400-1867-01		.OUTER WRAP	A-G	1	EA
295A	122-0158		ALTITUDE SWITCH	A-G	1	EA
-300A	200-1739-01		..MOUNTING PLATE, ALTITUDE SWITCH	A-G	1	EA
310A	400-1869-01		.REAR PANEL	A-G	1	EA
355	400-1491-01		.GALLEY, BRACKET ASSEMBLY (SEE IPL, FIGURE 1006)	A,B,C,D, G	1	EA
355A			NOT USED	E,F	0	EA
-695A	MS51957-15		..SCREW, FLAT HD MACH, #4-40X3/8 TIA P/N 135-0380-4. USED ON OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D, E,F,G	5	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1002/			1234567 WAVEJET ASSY, 28VDC, RIGHT HAND HINGE			REF
-700A			NOT USED. OVENS WITH SERIAL BEGINNING WITH NUMBERS 01-12 AND ABOVE	A,B,C,D, E,F,G	0	EA
745A	126-0307		PLUG, HOLE, 1/2" DIA.	A,B,C, E,F,G	1	EA



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Insert this page into TIA Component Maintenance Manual 25-30-43 facing between 1036 and 1037.

This page of the Temporary Revision is to add the 400-1338-04-R to the Illustrated Parts List figure 1001. The following table lists the part number effectivity for items specific to the 400-1338-04-R. Items that are not listed in the below table may be referenced in Figure 1001 in 25-30-43. No operator action is required at this time. This temporary revision will remain in effect until the next revision to this manual.

FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1002/			1234567 WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
1E	400-1338-04-L		WAVEJET ASSY, 28VDC, LEFT HAND HINGE, FLAT FRONT	F	RF	EA
5	200-1424-01		.SWITCH PANEL OVERLAY	A, E, F	1	EA
10	400-1379-01		.FACIA (CONTROLS)	A, E, F	1	EA
20	200-1423-01		.BUSH, BUTTON	A, E, F	1	EA
25	MS24693-C7		..SCREW, FLAT HD MACH, #4-40X5/8, 100° TIA P/N 135-0380-C7	A, E, F	4	EA
30	AN960-C4		..#4 FLATWASHER TIA P/N 135-0383-C4	A, E, F	4	EA
35	MS21042-04		..#4-40 LOCKNUT TIA P/N 135-0385-04	A, E, F	4	EA
40	300-1610-01		DELETED		0	EA
40A	300-1610-02		.CONTROLLER, WAVEJET (ESDS)	A,B,C,D, E	1	EA
40B	300-1610-03		.CONTROLLER, WAVEJET (ESDS) 30 MINUTE TIMER	F	1	EA
65	200-1435-01		.BUTTON FACE	A, E, F	1	EA
70	200-1434-01		..ROD (BUTTON ACTUATOR)	A, E, F	1	EA
95	400-1363-01		.ASSEMBLY, DOOR (SEE IPL, FIGURE 1003)	A, E, F	1	EA
145	135-0447		.RIVET, PANEL	A-F	4	EA
155	400-1868-01		.BASE PLATE	A-F	1	EA
195A	400-1867-01		.OUTER WRAP	A-F	1	EA
295A	122-0158		ALTITUDE SWITCH	A-F	1	EA
-300A	200-1739-01		..MOUNTING PLATE, ALTITUDE SWITCH	A-F	1	EA
355	400-1491-01		.GALLEY, BRACKET ASSEMBLY (SEE IPL, FIGURE 1006)	A,F	1	EA
355A			NOT USED	E	0	EA



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FIG/ ITEM	PART NO.	AIRLINE PART NO.	DESCRIPTION/NOMENCLATURE	EFF CODE	QTY	U M
1002/			1234567 WAVEJET ASSY, 28VDC, LEFT HAND HINGE			REF
695A	MS51957-15		..SCREW, FLAT HD MACH #4-40X3/8 TIA P/N 135-0380-4. USED ON OVENS WITH SERIAL NUMBERS BEGINNING WITH 01-12 AND ABOVE	A-G	5	EA
-700A			NOT USED. OVENS WITH SERIAL NUMBERS BEGINNING WITH NUMBERS 02-12 AND ABOVE	A,B,C,D, E, F	0	EA
745A	126-0307		PLUG, HOLE, 1/2" DIA.	A,B,C,D, E, F	1	EA