

Technician Manual

Unitized and Compact/Portable 24" Spacemaker™ Washer Spacemaker™ Laundry

WSM2420S Electric Unitized WSM2480 Gas Unitized WWP2000S Compact Washer WWP2050S Portable/Convertible Washer

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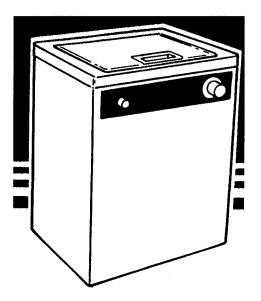
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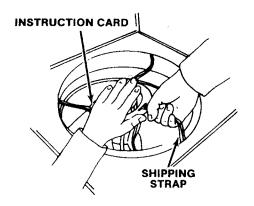
PARTS PAGES AND EXPLODED DIAGRAMS

COMPACT DIRECT DRIVE WASHERS

The compact and portable/convertible direct drive washer has the same internal components as the unitized washer. Service access is different and will be detailed in this section. The washer features a gentle wash system which incorporates a "step down" agitation for improved washing conditions. In high the agitator moves at 180 strokes per minute, while in low it runs at 120 strokes per minute. High speed spin is 640 RPM, and low speed spin is 423 RPM.



REMOVING SHIPPING STRAPS



Remove the tape and open the washer lid. There is a yellow card over the agitator containing instructions and three yellow shipping straps. Read the directions on the yellow card.

Put one hand on top of the agitator; with the other hand sharply jerk one of the yellow shipping straps until it and the key attached to it are completly out of the washer. Repeat with the other two straps.

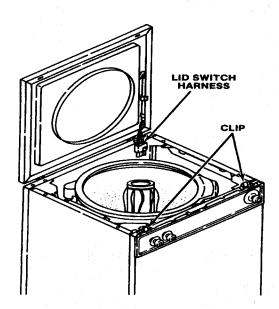
IMPORTANT: Keep hands clear of the basket when removing shipping straps. The basket moves up as straps are removed.

This releases the suspension system for normal washer operation.

CABINET DESIGN AND COMPONENT ACCESS

The washer components inside the cabinet can be accessed by lifting or removing the top, either side panel, or the front panel.

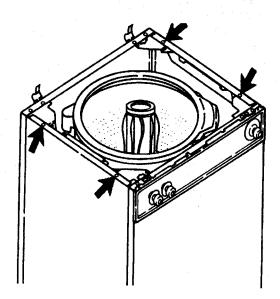
TOP REMOVAL



Loosen the top at each front corner by inserting a putty knife between the top and front panel to release the locking clip, and lifting up. With both sides released from the clips, the top can be lifted and supported.

To completely remove the top, remove the lid switch wiring harness plug from the disconnect plug in the cabinet brace at the right rear and lift the top assembly off the rear hinges.

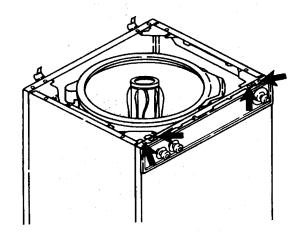
SIDE PANEL REMOVAL



Either side panel is removed by removing two screws in the top flange of the panel. The panel can be lifted up and off the washer. The bottom of each panel has slots that engage tabs on the base assembly to hold it in place.

Access to service the pump and motor is gained by removing the left panel.

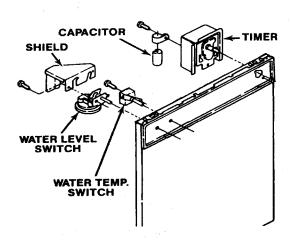
FRONT PANEL REMOVAL



The front panel is removed by removing four screws in the top flange of the panel, pulling the top forward until the panel is at a 30 °C angle, and sliding the bottom to the right about one half of an inch. The panel can then be lifted off of the washer. The bottom of the panel has slots that engage a horizontal catch at each corner of the front of the base assembly.

Depending on how far the panel must be moved, you may have to disconnect the timer wiring harness, or the wiring for the water temperature switch hose.

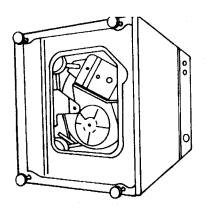
FRONT PANEL ELECTRICAL COMPONENTS



The water level switch and water temperature switch, along with a control shield, are mounted on the rear top of the front panel. The motor start capactior is mounted on the timer. The timer mounts with two screws running through the front of the panel at the upper right. The timer has a quick disconnect wiring harness block. A terminal identification chart is printed on the timer. This timer has a wrap around shield. This shield is part of the timer and is not removable.

The front panel can be tilted forward to service these components and does not have to be completely removed.

BOTTOM ACCESS



There is an access hole in the base. Lay the washer on its back or its right cabinet side. If the washer is laid on its back, care should be taken to protect the water inlet valve ports and hose storage bracket on portable models.

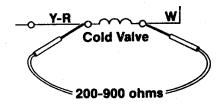
The gearcase can be removed through the bottom access hole.

WASHER TESTING

WATER INLET VALVE/WATER TEMP. SWITCH/CENTRIFUGAL SWITCH

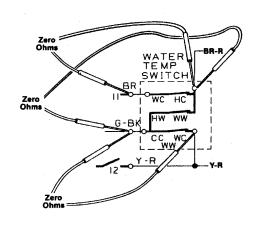
WATER INLET VALVE

- To test the water inlet valve, remove the wiring harness connectors from each solenoid.
- Set the meter on the R X 100 scale and attach the meter probes to the terminals on each solenoid. The meter should show between 200 and 900 ohms resistance.



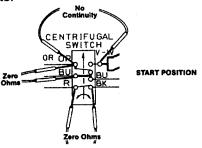
WATER TEMPERATURE SWITCH

- To test the water temperature switch, set the water temperature switch to warm wash/cold rinse.
- Remove the brown-red wire and the yellowred wire from the switch.
- Test between the brown-red terminal and the brown terminal for continuity.

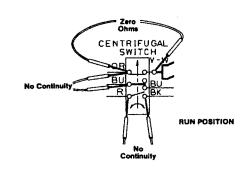


CENTRIFUGAL SWITCH

- To test the centrifugal switch, remove the pump and disconnect the motor harness block from the centrifugal switch.
- Remove the switch from the motor, and remove the internal motor wires from the centrifugal switch.
- Set the meter on the R X 1 scale and test the switch in the "start" position by pushing up on the switch actuator. Continuity should be present between the red and black terminals and between the orange and blue terminals. No continuity should be present between the orange and violetwhite.



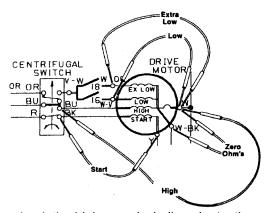
• Test the switch in the "run" position by releasing the actuator. between the orange and violet-white terminals, continuity should be present. Between the orange and blue terminals, no continuity should be present. Between the red and black terminals, no continuity should be present.



WASHER TESTING START CAPACITOR/ DRIVE MOTOR

DRIVE MOTOR

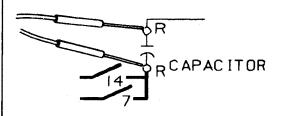
 To test the drive motor, first remove the motor harness from the centrifugal switch. Then, set the meter on R X 1 scale and check the start winding for continuity by testing between the black and yellow wires. A resistance reading between four and seven ohms should be present.



- check the high speed windings by testing between the blue and white wires. A resistance reading between 3/4 ohm and two ohms should be present.
- Check the low-speed winding between the white-violet and white wires.
 A resistance reading between 1 1/2 and 3 ohms should be present.
- Check the extra low speed winding by testing between the white-orange and the white wire. A resistance reading between 1 1/2 ohms and 3 ohms should be present.
- Check between the white and white-black wires. There should be zero ohms resistance.

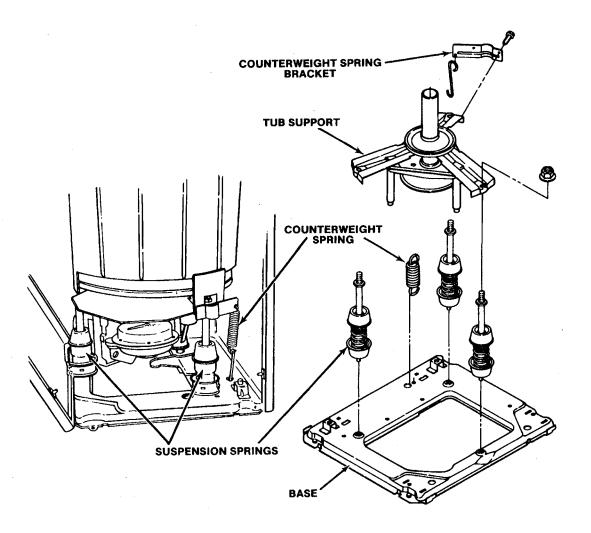
START CAPACITOR

- To test start capacitor, remove the wires from the capacitor leads.
- Discharge the capacitor using an insulated screwdriver.
- With the meter on the R X 100 scale, place the meter leads on the capacitor leads.



- The meter needle should deflect toward "0" and then reverse toward infinite resistance if the capacitor is good.
- If the meter needle goes to "0" and stays or fails to return to infinity, the capacitor is shorted.
- If there is no needle deflection, the capacitor is "open"

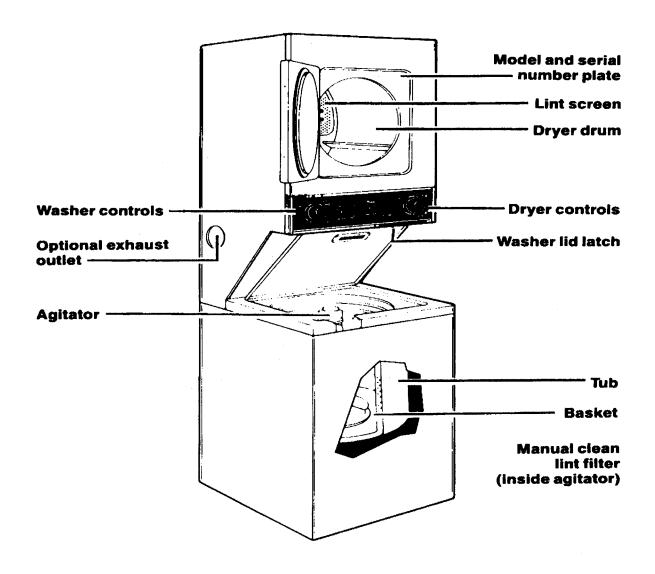
SUSPENSION SYSTEM



The suspension system consist of a base and tub support that are connected by three suspension spring assemblies. A counterweight spring is mounted opposite the motor location to compensate for the motor weight. Tub support has the gearcase, motor, and pump mounted to it the same way as other direct drive washers.

Each suspension spring assembly screws into the base at the bottom and is secured at the top to the tub support with a nut. To remove a suspension spring assembly, loosen the nut at the top, unthread the bottom using large pliers, slide the bottom out of the base, finish removing the nut at the top, and remove the assembly from the tub support. Reverse this procedure to install the suspension spring assembly.

BASIC COMPONENTS OF THE UNITIZED LAUNDRY

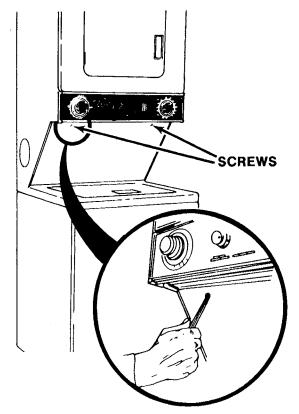


WSM2420/WSM2480 LAUNDRY SYSTEM

Basic service on the internal portion of the unitized washer is the same as the Portable/Convertible washer, and the Stationary Compact washer.

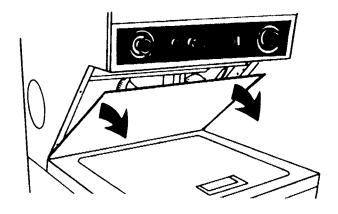
WASHER MECHANISM ACCESS

Remove the two screws securing the transition panel.



Remove the transition panel by tilting it down and pulling it straight out.

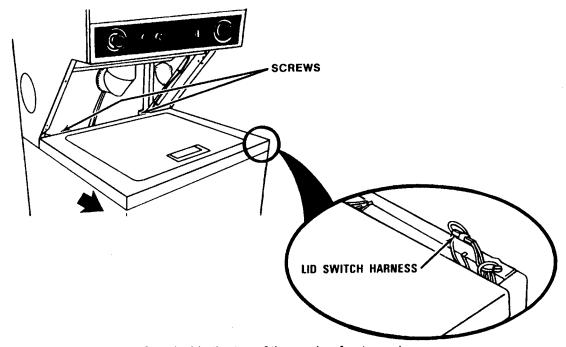
NOTE: The wiring diagram is located on the back of the transition panel.



WASHER MECHANISM ACCESS CONTINUED

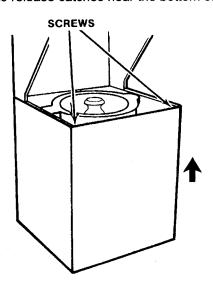
- 1. Remove the two screws located behind the washer top.
- 2. Pull washer top foward to disengage top lock.
- 3. Disconnect washer lid switch harness and lift top off.

NOTE: The washer lid will tend to spring open when handling the top.

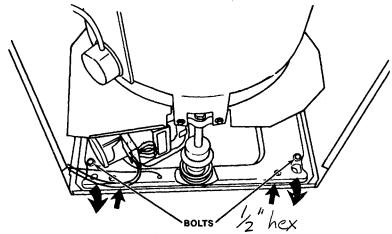


Remove the two screws from inside the top of the washer front panel.

Lift up on washer front panel to release catches near the bottom of the panel, then remove panel.

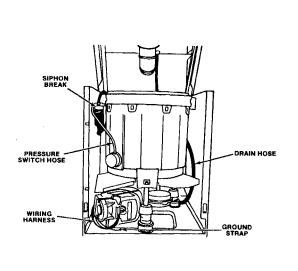


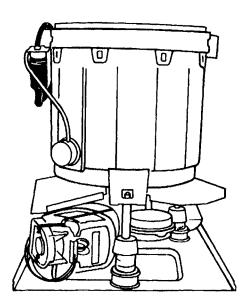
REMOVAL OF WASHER MECHANISM



- 1. To remove the washer mechanism from the cabinet, the two bolts securing the washer to the cabinet must be removed.
- 2. Then lift up on the front of the washer base and pull it forward 6". remove the screw securing the siphon break to the cabinet.
- 3. Disconnect the drain hose from the drain connector.
- 4. Disconnect the pressure switch hose.
- 5. Release the wiring harness and ground strap.

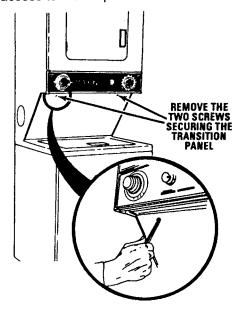
The washer can now be pulled completely out of the cabinet.

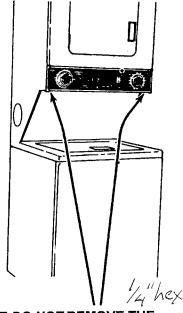




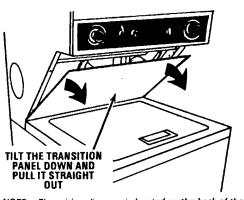
UNITIZED LAUNDRY SERVICE ACCESS

Utility access for water supply, drain, and dryer exhaust. (Use when installation restricts access to rear of product.

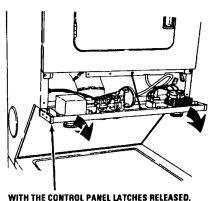




UNSCREW BUT DO NOT REMOVE THE TWO SCREWS LOCATED ON THE BOTTOM EDGE OF THE CONTROL PANEL-THIS RELEASES THE LATCHING MECHANISM.

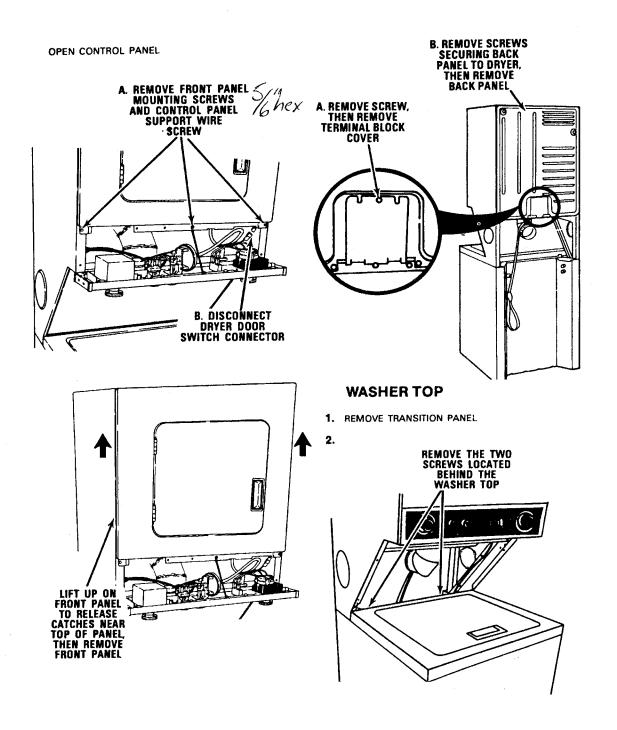


NOTE: The wiring diagram is located on the back of the transition panel.



WITH THE CONTROL PANEL LATCHES RELEASED, ROTATE THE TOP OF THE CONTROL PANEL DOWN AS SHOWN

UNITIZED LAUNDRY SERVICE ACCESS dryer panels and washer top



LINT SCREEN AND LINT REMOVAL

LINT SCREEN

The lint screen is inside the dryer drum, on the back wall. The consumer should clean it before each load. Blocked screen will increase drying time.



PULL STRAIGHT OUT

- 1. Use the finger holes to pull the lint screen straight out.
- 2. Lightly squeeze the body, as shown, while pulling the cover off.
- 3. Roll lint off the screen with your fingers. DO NOT rinse or wash the screen. Wet lint is hard to remove



SQUEEZE BODY; PULL COVER OFF

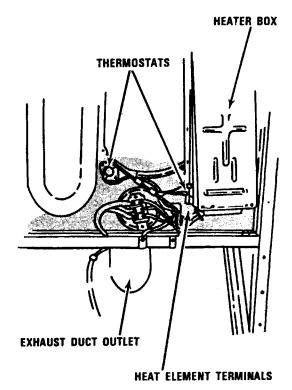
- 4. Replace the cover on the body of the lint screen
- 5. Push the lint screen straight back in until it clicks into place.

CAUTION: RUNNING THE DRYER WITH THE LINT SCREEN LOOSE, DAMAGED OR MISSING CAN CAUSE OVERHEATING, DAMAGE TO FABRICS AND DRYER PARTS, OR CREATE A FIRE HAZARD.

LINT REMOVAL

The lint can gather inside the dryer and create a fire hazard. This lint should be removed every 2 to 3 years.

- Unplug power supply
- Make sure dryer is cool.
- 1. Remove back panel from dryer.
- 2. Avoid touching thermostats, wires, terminals and heater box.
- Remove lint from shaded area-see illustration below) with a soft brush or vacuum.
- 4. Replace backpanel. Reconnect, exhaust duct, etc. Level the washer/dryer.



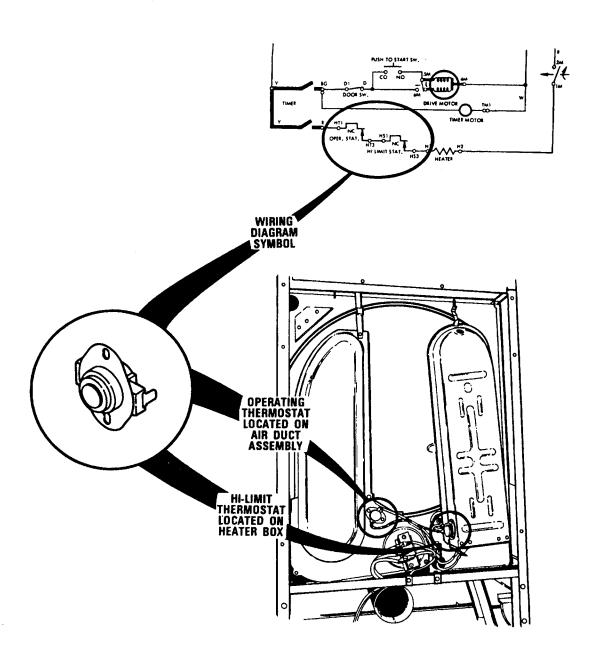
THERMOSTAT LOCATION AND OPERATION

FUNCTION:

1. OPERATING THERMOSTAT-Controls air temperature in dryer drum, by opening and closing electric circuit to heat element.

2. HIGH LIMIT THERMOSTAT-

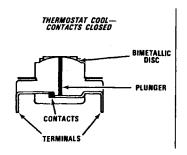
Open circuit to heat element in the event and operating thermostat fails, or if poor air flow causes the air temperature in the heater box to be abnormally high.



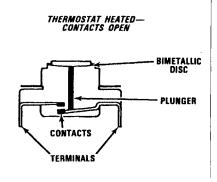
THERMOSTAT TRIP/RESET OPERATION

OPERATION:

A thermostat is composed of a bimetallic disc which has the property of "snapping" from its normal position to is opposite position when sufficiently heated. This bimetallic disc operates a single-pole, single throw switch which, in its normally open position, is wired in series in the heat element circuit.



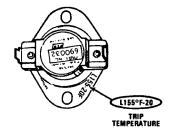
With the thermostat cool, the bimetallic disc does not exert pressure on the plunger and contacts. The contacts are closed.



As the thermostat is heated, the bimetallic disc "trips," pushing the plunger which in turn separates the contacts in the thermostat. As the thermostat cools, the bimetallic disc "resets" allowing the contacts to reclose

TRIP AND RESET TEMPERATURES

The trip and reset temperatures for the thermostat are stamped into the sheet metal skirt of the thermostat.



The set of numbers following the L in the stamping tells the trip temperature in degrees Fahrenheit. The last set of numbers tells the amount of degrees the reset temperature is below the trip temperature.

example: For the thermostat shown above-Trip (open) Temp; 155 degrees

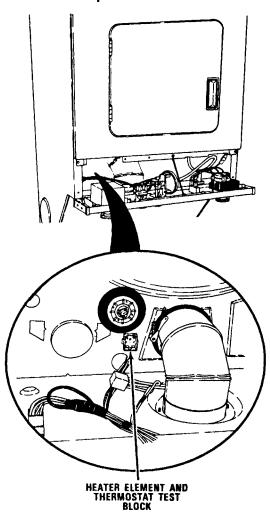
Reset (close) Temp: 135 degrees F (155 degrees -20 degrees F)

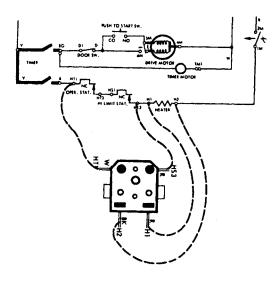
TESTING

TESTING

If the thermostat fails any of these test, replace it.

A heater element test block is located on the dryer bulkhead. Using this test block, both the operating and high-limit thermostats can be tested for continuity from the font of the washer/dryer while it is in its installed position.

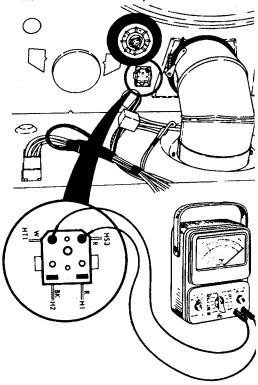




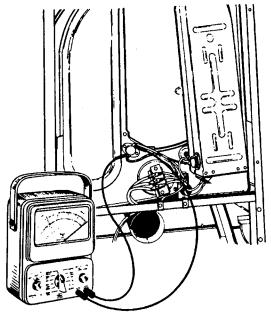
Heater element and thermostat test block terminals HT1 and HS3 read across the series combination of the operating and high-limit thermostats. Terminals H1 and H2 read across the heater element.

TESTING

- DRYER COOL- Thermostats in normally closed position.
 - a. Testing thermostats from heat element and thermostat test block. Connect an ohmmeter to the thermostat (round) terminals on the heater element and thermostat test block; the meter should show continuity. If the meter shows an open circuit or any resistance, one or both of the thermostats are defective. Check each thermostat individually from the back of the product.

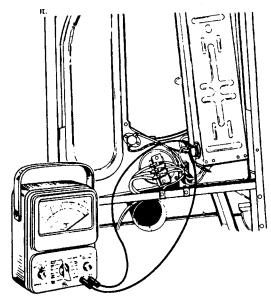


b. Testing Operating Thermostat from Back of Washer/Dryer.
Disconnect one wire from the thermostat. Connect an ohmmeter to the thermostat terminals; the meter should show continuity. If the meter shows an open circuit, or any resistance, the thermostat is defective-replace it.



c. Testing high limit Themostat from <u>back</u> of Washer/Dryer.

Disconnect one wire from the thermostat. Connect an ohmmeter to the thermostat terminals; the meter should show continuity. If the meter shows an open circuit, or any resistance, the thermostat is defective-replace it.



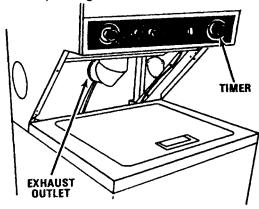
TESTING THERMOSTAT CUT OUT TEMPERATURE

1.TESTING OPERATING THERMOSTAT CUT-OUT TEMPERATURE

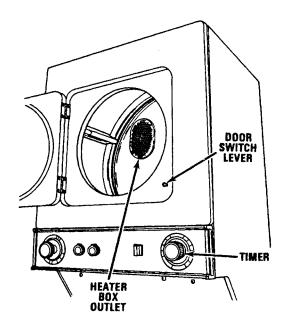
NOTE: Before performing this test, check for a grounded heat element. A grounded heater element would cause the dryer to overheat even if the operating thermostat is operating correctly.

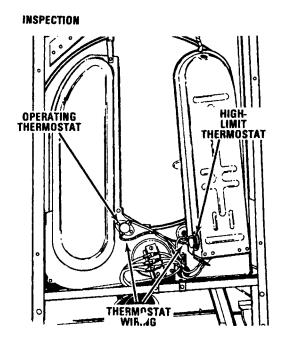
Test Conditions

- 1. No clothes in dryer.
- 2. Clean lint screen.
- 3. Exhaust disconnected from dryer.
- a. Set timer for 30 minutes in Regular Heavy Cycle. Start Dryer.
- Hold a glass thermometer in the center of the exhaust outlet. The maximum exhaust temperature should be 140° to 160° F. if the maximum exhaust temperature is out of this temperature range-replace the operating thermostat.



- 3. TESTING HEATER BOX HIGH LIMIT THERMOSTAT CUT-OUT TEMP. NOTE: SEE WARNING BELOW #2 Test Conditions
 - 1. No clothes in the dryer
 - 2. Dryer door open
 - Set timer for 30 minutes in regular Heavy Cycle, hold door switch lever in, start dryer.
 - b. Watch for an orange glow in the heater box outlet indicating the heater element is on. The high limit thermostat should cycle the heater element ON and OFF. If the high-limit thermostat does not cycle the heater element off, the thermostat is defective-replace the high-limit thermostat.





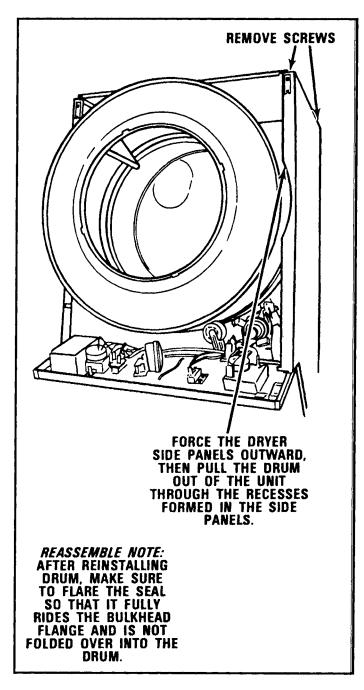
Visually inspect the thermostats and wiring to the thermostats for signs of overheating, such as scorched spots, insulation melted on wiring. Replace any thermostat that has physical signs of overheating. Repair harness as required.

DRUM SERVICE PROCEDURE

DRUM

SERVICE PROCEDURE

- 1. Remove dryer front panel.
- 2. Remove dryer belt.
- 3. Remove the front two screws at each side of the dryer top.



GLOW BAR ASSEMBLY SERVICE

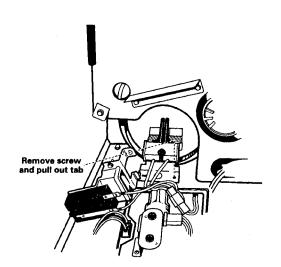
GAS BURNER ASSEMBLY SERVICE

 The burner assembly is located in the lower left corner of the cabinet. To service, it is generally only necessary to remove the lower access panel.

FIRST - be sure to shut off the gas supply and disconnect from the burner.

To remove burner assembly:

- 1. Remove wire leads from igniter and flame sensor
- 2. Remove two (2) screws in the front that hold the burner assembly in place.
- Remove two (2) screws that secure the burner funnel into a collar attached to the bulkhead.
- Pull the burner assembly forward and out of the unit



MANIFOLD COVER

 The manifold cover is part of the heater box and fits into a hole in the bulkhead.

NOTE: The discoloration of the inlet manifold cover is usually the result of excessive heat in the heater box. This can be caused by a clogged lint screen or improper venting. The cover can also be discolored as a result of chemical sprayed in the laundry area, or added to loads of drying laundry. Though the discoloration may be unsightly, it does not impair the operation of the manifold or decrease the efficiency of the dryer.

AIR INTAKE AND EXHAUST SYSTEM

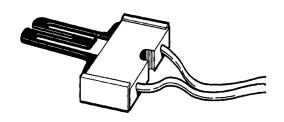
The blower wheel draws air across the burner where it is heated.

Incoming and outgoing air passes through ports in the bulkhead.

The heated air is circulated through the laundry and is pulled through the outlet manifold and the lint screen in the lint chute.

The moisture-laden air is then discharged through the 4-inch exhaust line to an outside vent.

GLOW BAR







WASHER TROUBLE DIAGNOSIS CHART

PROBLEM	POSSIBLE CAUSE	ACTION
MOTOR WILL NOT RUN	No/Low voltage to machine	Check supply voltage (100-130
	into 2011 voltago to maomio	volts).
	Thermal overload tripped	Check supply voltage (100-130
		volts)
	Timer switches	Check continuity
	Poor connection on timer	Secure Terminal
	Motor start switch	Check continuity
1	Motor disconnect block	Secure disconnect block
	loose	1
	Motor	Check voltage
	Wiring harness	Check continuity
	Incorrect harness wiring	check wire routing
	Water level switch	Check continuity
	Pump jammed	Replace pump
	Gearcase jammed	Check gearcase
	Lid open in spin cycle	Close lid
NO A OITATE OD ODIN		
NO AGITATE OR SPIN BUT MOTOR RUNS	Broken motor coupling (Motor Capacitor)	Replace check continuity
WATER WILL NOT	Water turned off at supply	Check faucet-turn on
ENTER MACHINE	water turned on at supply	Officer faucet-turn on
	No/low voltage to machine	Check continuity
	Water temperature switch	Check continuity
	Timer switches	Check continuity
	Wiring harness	Check continuity of wiring
	Poor connection at water	Secure terminal
	inlet valve solenoid	
	Water level switch	Check continuity
14/4 TED 1 EVEL TOO	Incorrect harness wiring	Check wire routing
WATER LEVEL TOO	Water level switch out of calibration	Check water level
	Customer	Explain water level to customer
	misunderstanding of	Explain water level to customer
	correct water level	
MACHINE WILL NOT	Wiring harness	Check continuity
AGITATE		
	Motor	(See MOTOR WILL NOT RUN)
	Stripped agitator spline	Replace agitator
	Damaged agitate cam	Replace transmission
	Damaged agitate gear Broken agitator shaft	Replace transmission Replace transmission
INTERMITTENT	Pause in timer	Normal condition
AGITATE	. aase iii miiei	Normal condition
	Damaged agitate cam	Replace transmission
	Ball or thrust washer	Replace or repair
	missing	
	Agitate gear clutch teeth	Replace transmission
	worn or broken	

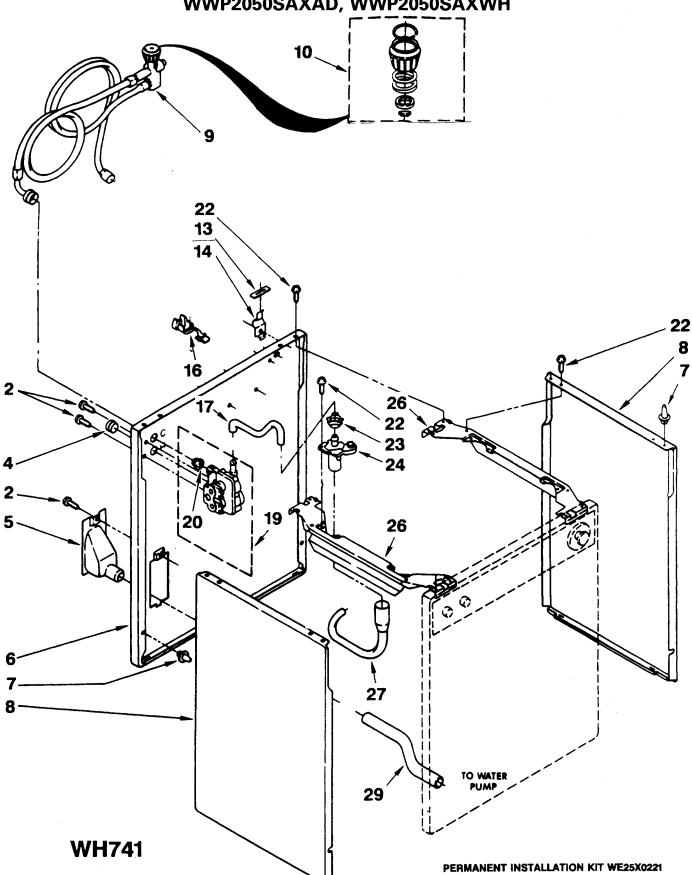
KNOCK DURING AGITATE	Agitator splines	Replace agitator
,	Excessive clearance on pinion thrust or main drive gear.	Replace
TRIES TO AGITATE DURING SPIN	Shift actuator or cam damaged	replace
WATER DOES NOT DRAIN FROM MACHINE	Clogged drain	Remove obstruction
	Pump	Replace pump
	Drain hose kinked	Relocate hose to prevent kinking
SLOW OR NO SPIN	Lid open	Close lid
	Lid switch defective	Check continuity
	Lid switch disconnect plug open	Check plug engagements
	Wiring harness	Check continuity
	Timer switches	Check continuity
	Motor	See (MOTOR WILL NOT RUN)
EXCESSIVE VIBRATION OR MACHINE WALKS	Not level	Level
	Front leveling legs locknut not tight	Secure locknut against fram after leveling
	Weak floor	Advise customer
	Unbalanced load	Redistribute load
	Shipping pins not removed	Remove pins
	Rear leveling legs stuck	Loosen
	Rear cabinet side loose	Remove top clips, push cabinet sides inward when reinstalling tip clips.
	Suspension plate sticky	Clean
	Suspension plate damaged or worn	Replace
	Suspension pads damaged or worn	Replace
	Tub support friction area sticky	Clean
	Tub support damaged or worn	Replace
	Suspension springs missing, broken or not connected	Replace
	Basket ballast missing	Replace basket balance ring
CLOTHES DAMAGE	Agitator	Replace agitator
+	Basket	Replace basket
	Use of excessive bleach	Instruct customer
}	Overloading machine	Instuct customer
İ	Foreign objects	Remove
	Water level too low	Increase water level
GEAR CASE LEAKS OIL	Leak or is defective	Replace transmission
WATER SPLASHING ON FLOOR	Use of low water with high agitate	Advise customer to use higher water level
	Leaking components	Repair or replace
BRAKE SQUEAL	Contaiminated linings	Replace brake shoe assembly





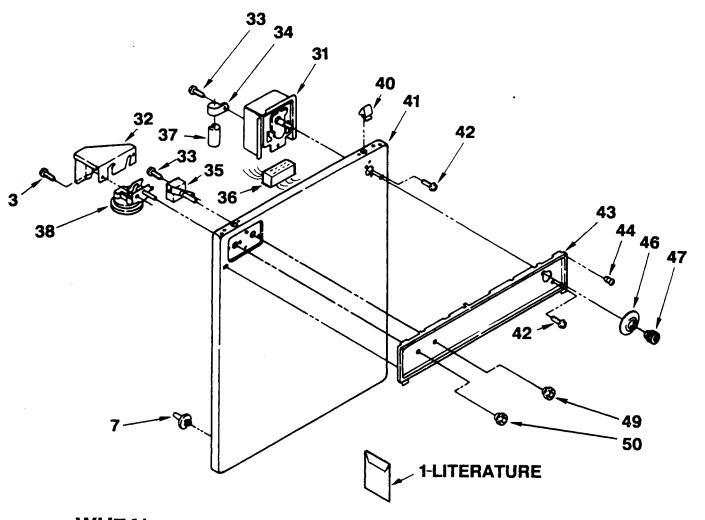








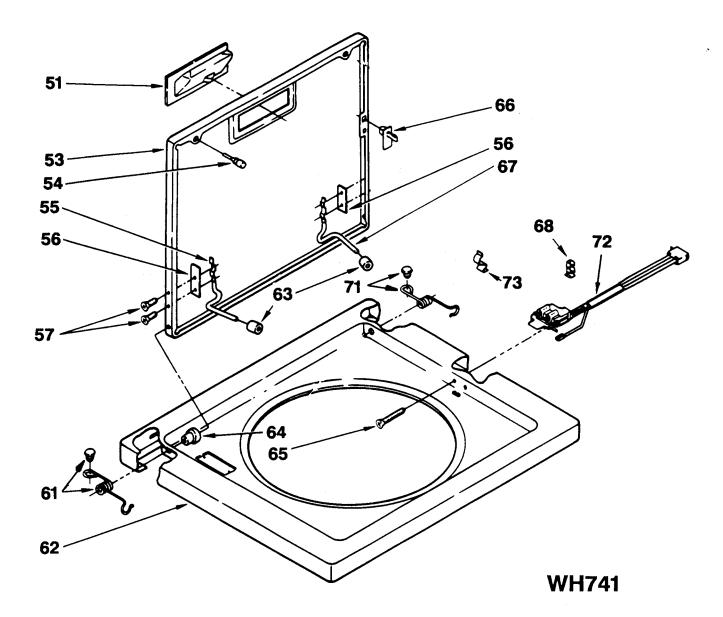


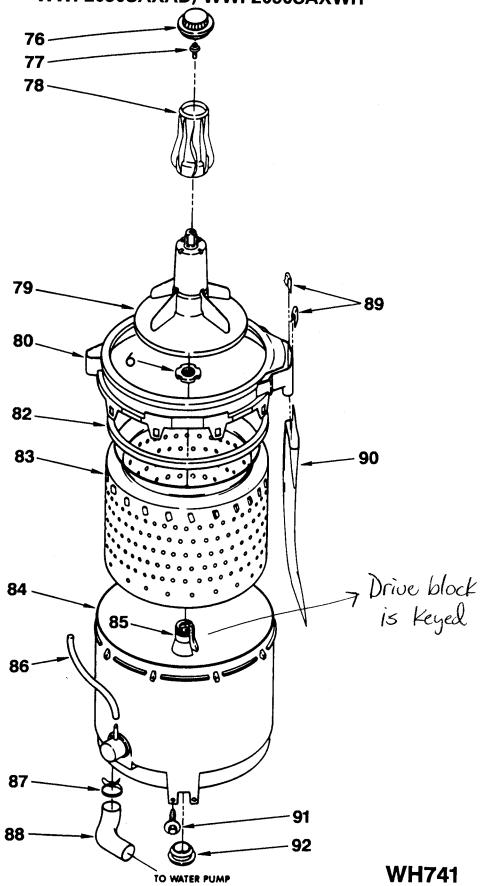


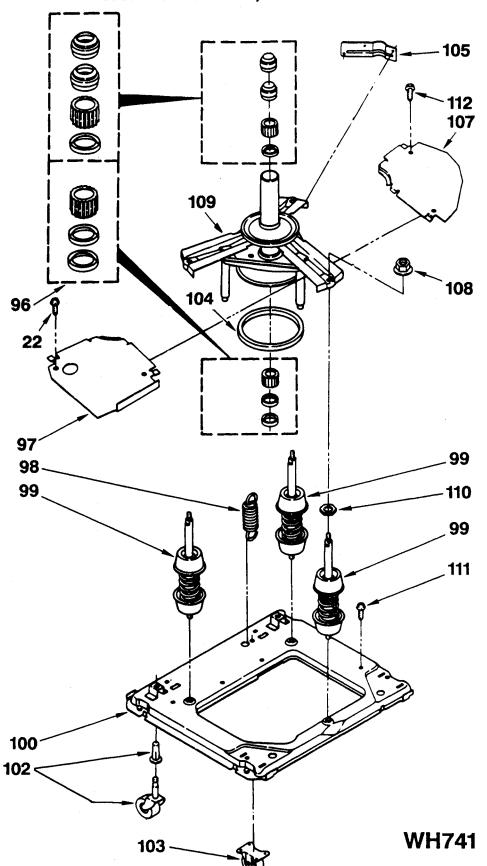


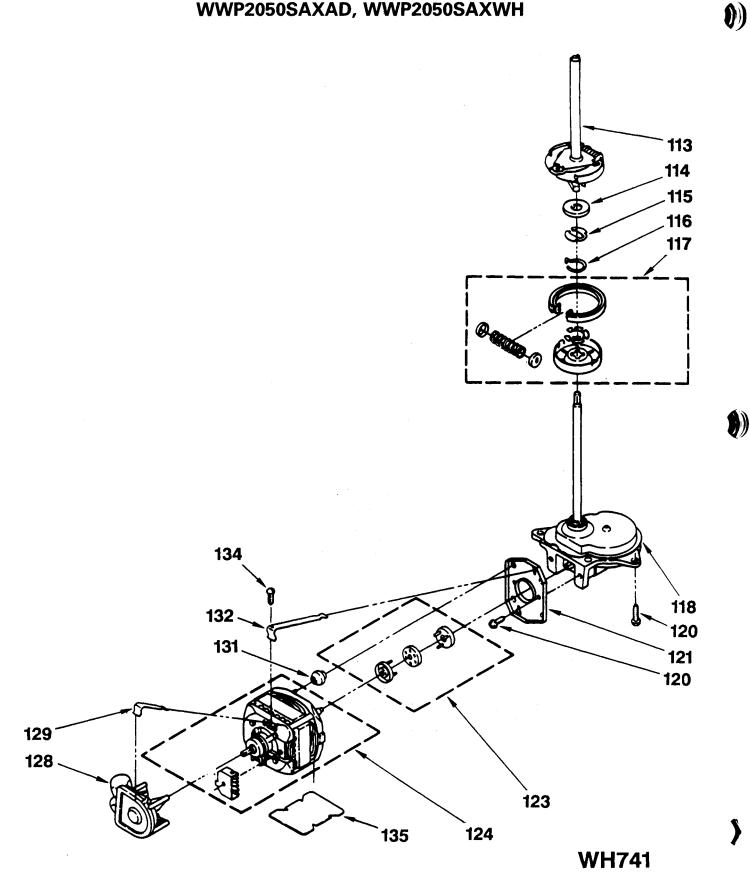




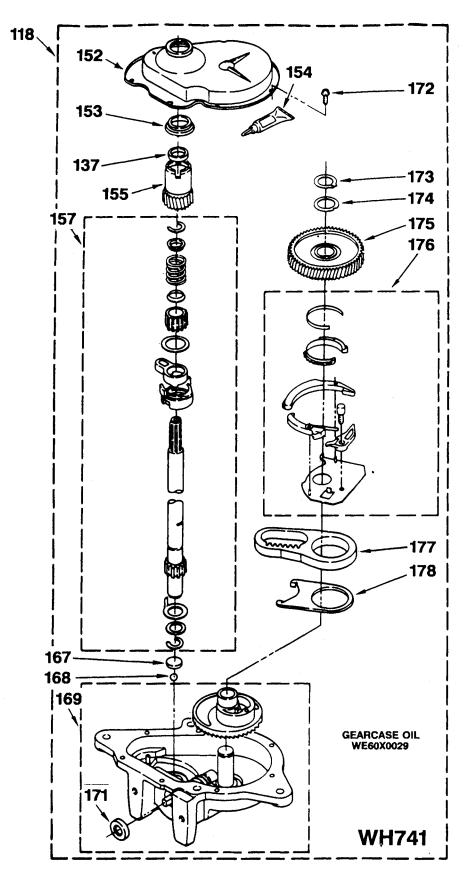




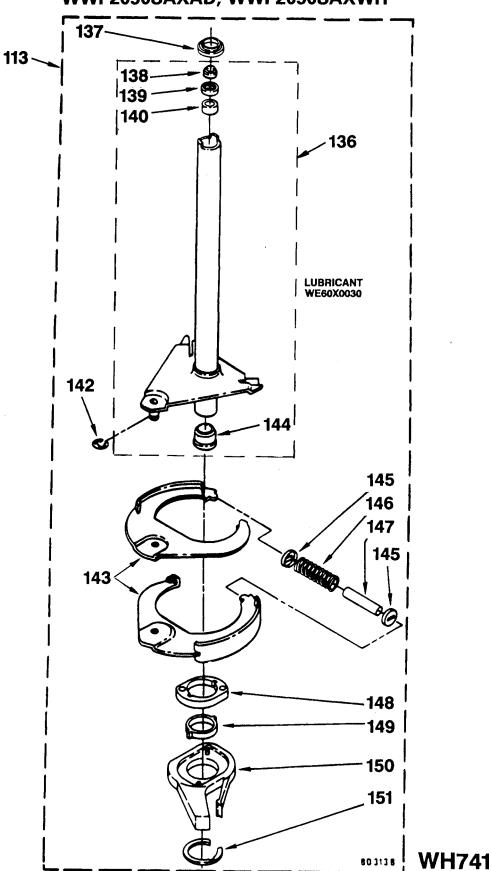












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)				W P 2 0 0 0 S A X A D	W P 2 0 0 0 S A X W H	W P 2 0 5 0 S A X A D	W P 2 0 5 0 S A X W H		
	REF. NO.	PART NO.	PART DESCRIPTION							
	1	31-2717 49-9800 31-2655 31-2656 NOT STOCKED	MINI MANUAL USE & CARE GUIDE INSTALL INSTR INSTALL INSTR SCREW 10-16X3/8		1 1 1 - 7	1 1 1 - 7	1 1 - 1 7	1 1 - 1 7		
	4 5 6 7	WH01X2658 WH41X0348 WH46X0324 WH46X0323 WH01X2659	CAP, MIXING VALVE CONNECTOR, DRAIN PANEL, REAR PANEL, REAR LOCATOR, TOP		1 1 1 -	1 1 - 1 4	1 1 1 - 4	1 1 - 1 4		
)	8 9 10 13	WH46X0326 WH46X0325 WH41X0352 WH49X0293 WH01X2660	PANEL, SIDE PANEL, SIDE HOSE, COUPLER KIT, COLLAR PAD, TOP HNG		2 - 1 1 2	2 1 1 2	2 - 1 1 2	2 1 1 2		
	14 16 17 19 22	WH16X0503 WH01X2669 WH41X0345 WH13X0084 NOT STOCKED	HINGE, REAR PANEL CLIP, STRAIN RELIEF HOSE, WATER INLET VALVE, WATER SCREW 10-16X1/2		2 1 1 1 15	2 1 1 1 15	2 1 1 1 15	2 1 1 1 15		
	23 24 26 27	WH01X2661 NOT STOCKED WH01X2662 WH16X0504 WH41X0346	CAP, SIPHON BRK CLIP, HARNESS ROUTING SIPHON BREAK BRACE, TIE HOSE, SIPHON BRK	3	1 1 1 2 1	1 1 1 2 1	1 1 1 2 1	1 1 2 1		
	29 31 32 33 34	WH41X0347 WH12X0948 WH16X0505 NOT STOCKED WH02X1158	HOSE, PUMP DRN TIMER ASM. SHIELD, CONTROL SCREW #8X5/16 CLAMP, CAPACITOR		1 1 1 3 1	1 1 3 1	1 1 1 3 1	1 1 1 3 1		
	35 36 37 38	WH12X0943 WH12X0942 WH19X0300 WH12X0949 WH12X0940	SWITCH, TEMP CTRL SWITCH, TEMP CTRL HARNESS CAB WIRING CAPACITOR, MOTOR SWITCH, WATER LVL		1 1 1 -	1 1 1 -	1 - 1 1	1 - 1 1		
	38 40 41 42	WH12X0939 WH01X2663 WH46X0328 WH46X0327 WH02X1159	SWITCH, WATER LVL LOCK, FRONT TOP PANEL, FRONT PANEL, FRONT SCR, TIMER MNTG		1 2 1 -	1 2 - 1 1	2 1 -	- 2 - 1 1		
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				W P 2 0 0 0 S A X A D	% P 2 0 0 0 S A X % H	W P 2 0 5 0 S A X A D	W P 2 0 5 0 S A X W H	
REF. NO.	PART NO.	PART DESCRIPTION						
43 44 46 47 47 49 50	WH42X2312 WH42X2311 WH02X1170 WH01X2654 WH01X2664 WH01X2655 WH01X2657 WH01X2656 WH01X2657	PANEL, CTRL PANEL, CTRL RIVET, CONS.MNTG DIAL, TIMER KNOB, TIMER KNOB, TIMER KNOB, WATER TEMP KNOB, TEMP CTRL KNOB, WATER LVL		1 2 1 1	1 2 1 - 1 1	1 - 2 1 1 - 1	1 - 2 1 - 1 -	
51 53 54	WH01X2656 WH01X2666 WH01X2665 WH44X1157 WH44X1156 WH01X2667	KNOB, WATER LEVEL HANDLE, LID HANDLE, LID LID LID		1	- 1 - 1	1	1	
55 56 57 61 62	WHI 6X0506 WH01X2668 WH02X1160 WH01X2670 WH44X1159	BUMPER, LID HINGE, LID PAD, LID HINGE SCR, LID HINGE SPRING & BUTTON TOP		2 1 2 4 1	2 1 2 4 1	2 1 2 4 1	2 1 2 4 1	
62 63 64 65 66	WH44X1158 WH01X2671 WH04X0105 WH02X1161 WH01X2672	TOP BUMPER, LID BEARING, LID HNG SCR & WASHER STRIKE, LID SW		2 2 2 1	1 2 2 2 1	2 2 2 2	1 2 2 2 1	
67 68 71 72 76	WH16X0507 WH01X2674 WH01X2673 WH12X0941 WH43X0133	HINGE, LID CLIP, GROUNDING SPRING & BUTTON SWITCH, LID CAP, AGITATOR		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
77 78 79 80 81	WH02X1162 WH45X0144 WH43X0134 WH45X0145 WH02X1163	SCR/WSHR 5/16-24X1 FILTER, AGITATOR AGITATOR RING & GASKET NUT, SPANNER		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
82 83 84 85 86	WH08X0372 WH45X0146 WH45X0147 WH40X0180 WH41X0349	GASKET, TUB RING BASKET TUB BLOCK, BSKT DRIVE HOSE, PRESS. SW.		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	



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PARTS CA	ATALO	G
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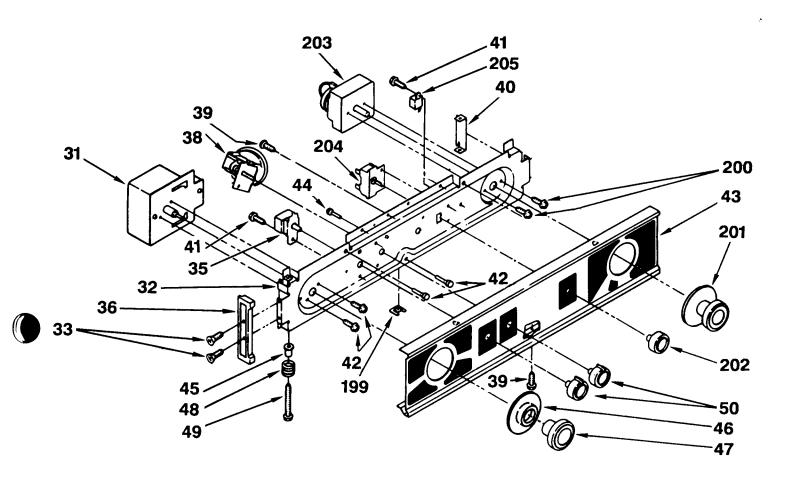
			W P 2 0 0 0 S A X A D	W P 2 0 0 0 S A X W H	W P 2 0 5 0 S A X A D	W P 2 0 5 0 S A X W H	
REF. NO.	PART NO.	PART DESCRIPTION					
87 88 89 90 91 92 96 97 98	NOT STOCKED WH41X0350 NOT STOCKED WH41X0351 WH02X1164 WH08X0373 WH04X0106 WH16X0508 WH01X2675 WH17X0090	CLAMP, HOSE HOSE, TUB-PUMP CLIP, RETAINING TUBE, DRAIN-OFF SCR.& WASHER GASKET, CENTERPOST BEARINGS, CENTERPOST SHIELD, TUB SPRING, COUNTERWEIGHT SUSPENSION ASM.	1 1 4 1 4 1 1 1 1 1 3	1 1 4 1 1 1 1 1 3	1 1 4 1 4 1 1 1 1 3	1 1 4 1 4 1 1 1 1 3	
100 102 103 104 105	WH46X0329 WH09X0037 WH09X0038 WH08X0374 WH16X0509	BASE CASTER/SOCKET REAR WHEEL, FRONT RING, SOUND DEADNG BRACKET, SPRING	1 2 2 1 1	1 2 2 1	1 2 2 1	1 2 2 1	
107 108 110 111 112	WH16X0510 NOT STOCKED NOT STOCKED NOT STOCKED NOT STOCKED	WASHER, HEX SCREW 10-32X1/2	1 3 2 1 4	1 3 2 1 4	1 3 2 1 4	1 3 2 1 4	
115	WH38X0054 WH02X1165 WH02X1166 WH02X1167 WH39X0047	BRAKE & DRIVE TUBE WASHER RING, SPIN RING, RETAINER CLUTCH ASM	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
118 120 121 123 124	WH37X0046 WH02X1168 WH17X0092 WH17X0093 WH20X0861	GEARCASE ASM SCREW PLATE, MOTOR MNT COUPLING MOTOR & SWITCH	1 5 1 1	1 5 1 1	1 5 1 1	1 5 1 1	
128 129 131 132 134	WH23X0080 WH01X2676 WH02X1169 WH01X2677 NOT STOCKED	PUMP RETAINER, PUMP GROMMET, MOTOR RETAINER, MOTOR SCREW 10-16X5/8	1 1 1 2 1	1 1 1 2 1	1 1 1 2 1	1 1 1 2	
135 137 138 139 140	WH16X0511 WH02X1171 WH08X0375 WH08X0376 WH02X1172	SHIELD, MOTOR RING, THRUST SEAL, OIL SEAL SPACER, DRIVE TUBE	1 1 1 2 1	1 1 1 2 1	1 1 1 2 1	1 1 1 2 1	



PARTS CATALOG

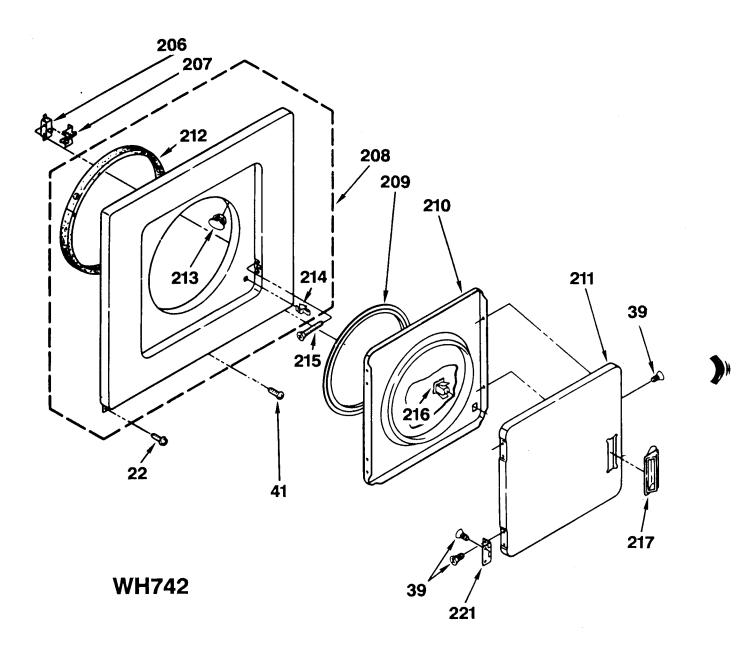
		PARIS	CATALO	9		
			W P 2 0 0 0 5 A X A D	X P2000SAX X H	W P 2 0 5 0 S A X A D	W P 2 0 5 0 S A X W H
REF. NO.	PART NO.	PART DESCRIPTION				
146	WH60X0030 WH40X0182 WH02X1173 WH07X0121 WH04X0107 WH01X2680 WH01X2681 WH01X2682 WH05X0246 WH05X0247 WH05X0247 WH05X0248 WH02X1174 WH37X0047 WH08X0377 WH60X0028	LUBRICANT TUBE, DRIVE RING, RETAINING SHOES, BRAKE BEARING, SPIN TUBE CAP, BRAKE SPRING SPRING, BRAKE SLEEVE, BRAKE SPR. CAM, BRK RELEASE SLEEVE, CAM CAM, BRK DRIVER RING, RETAINING HOUSING, UPR GEARCASE SEALE, GEARCASE HSG SEALER, GASKET	1 1 1 1 2 1 1 1 1	1 1 1 1 2 1 1 1 1 1	1 1 1 1 2 1 1 1 1 1 1 1	1 1 1 1 2 1 1 1 1 1 1
155 157 167 168 169 171 172 173 174 175	WH05X0249 WH40X0181 WH04X0108 WH04X0109 WH37X0048 WH08X0378 WH02X1175 WH02X1176 WH02X1177 WH05X0250 WH07X0122	PINION, SPIN SHAFT ASM, AGITATOR BEARING, THRUST BEARING, BALL HOUSING, LWR GEARCASE SEAL, THRUST PLUG SCREW, GEARCASE HSG RING, RETAINING WASHER, THRUST GEAR, SPIN NEUTRAL ASM	1 1 1 1 1 8 1 1	1 1 1 1 1 8 1 1	1 1 1 1 1 8 1 1 1 1 1	1 1 1 1 1 1 8 1 1
1 <i>77</i> 1 <i>7</i> 8 1 <i>7</i> 9	WH05X0251 WH05X0252 WH60X0029 WE25X0221	RACK, CONNECTING ACTUATOR, SHIFT OIL, GEARCASE KIT, PERM. INSTALL	1 1 1	1 1 1	1 1 1	1 1 1

MODELS WSM2420SAZAA, WSM2420SAZWW WASHER/DRYER CONTROL PANEL PARTS



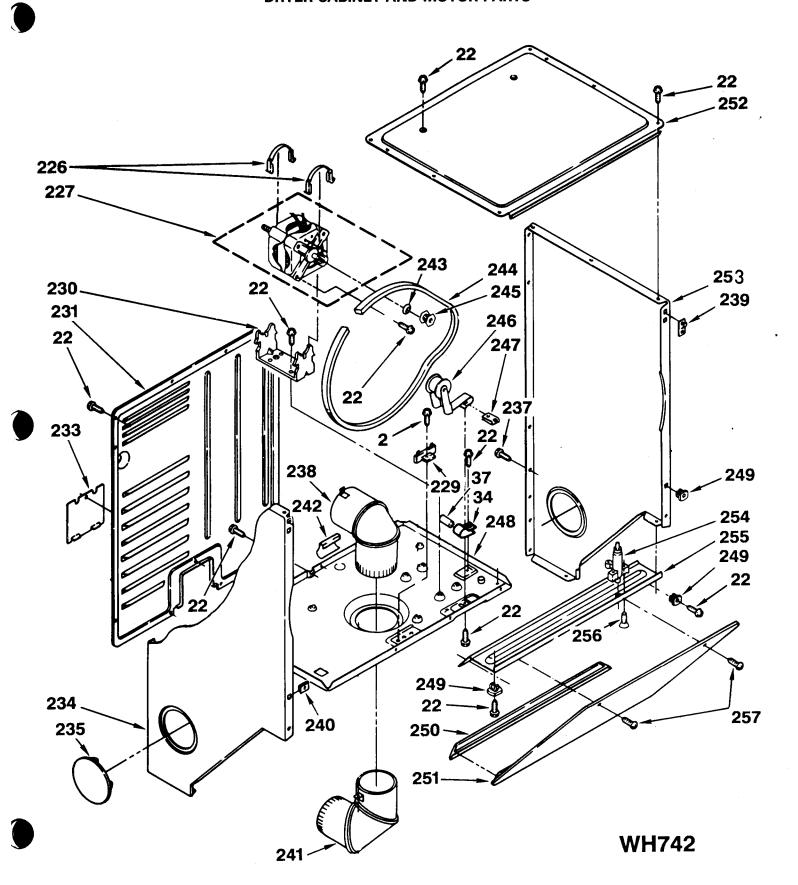
WH742

MODELS WSM2420SAZAA, WSM2420SAZWW DRYER FRONT PANEL AND DOOR PARTS

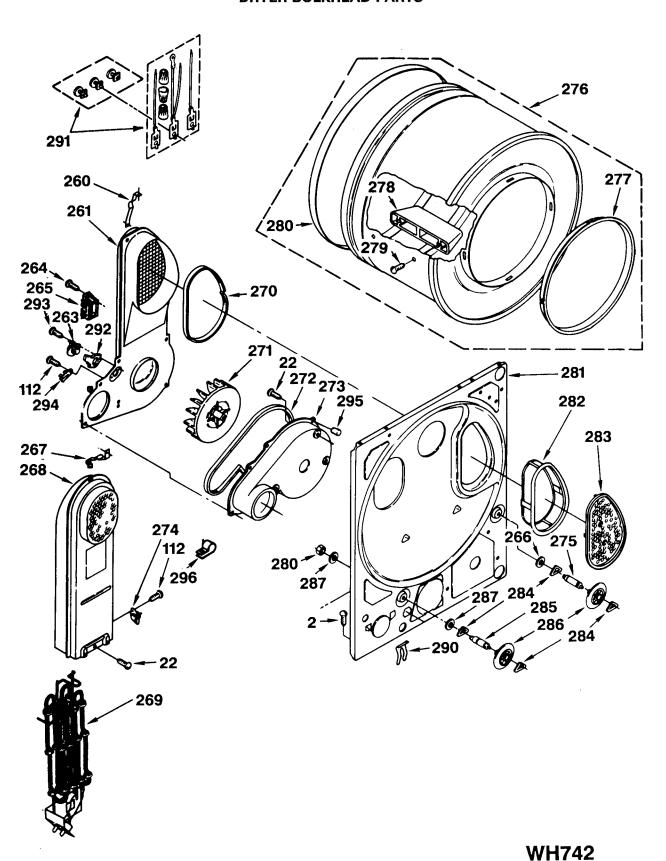




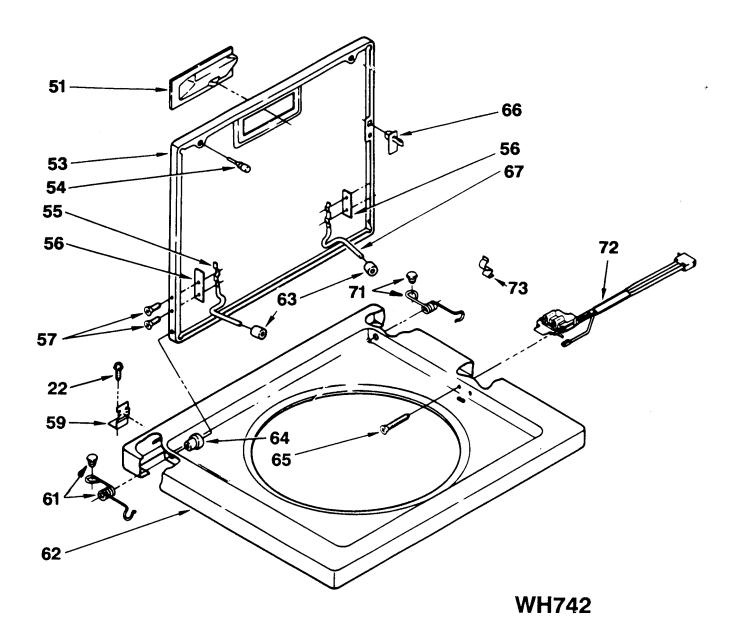
MODELS WSM2420SAZAA, WSM2420SAZWW DRYER CABINET AND MOTOR PARTS



MODELS WSM2420SAZAA, WSM2420SAZWW DRYER BULKHEAD PARTS

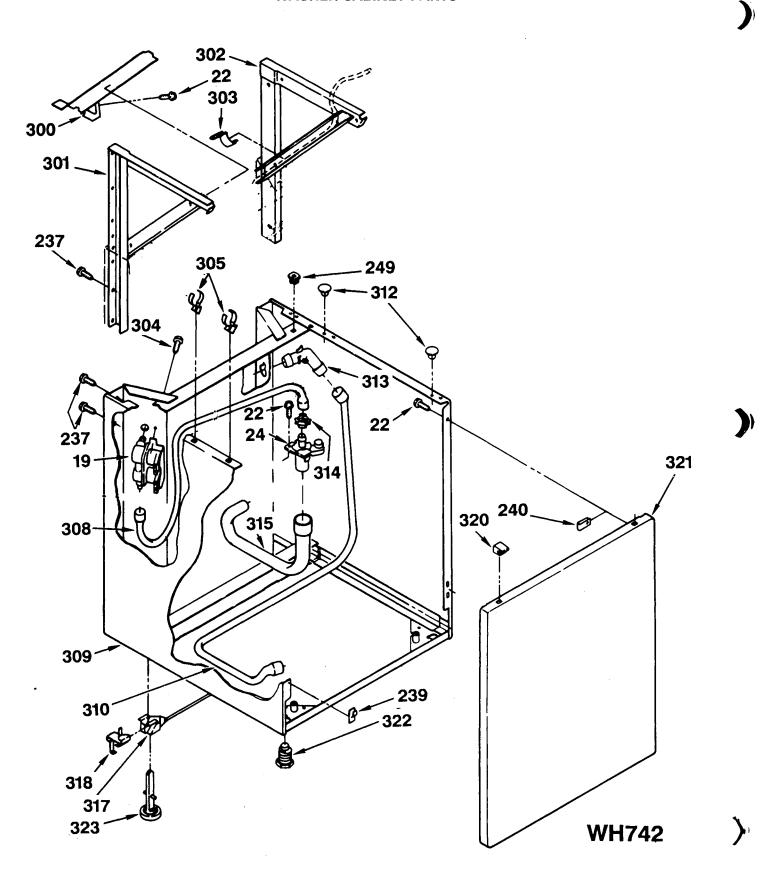


MODELS WSM2420SAZAA, WSM2420SAZWW LID PARTS

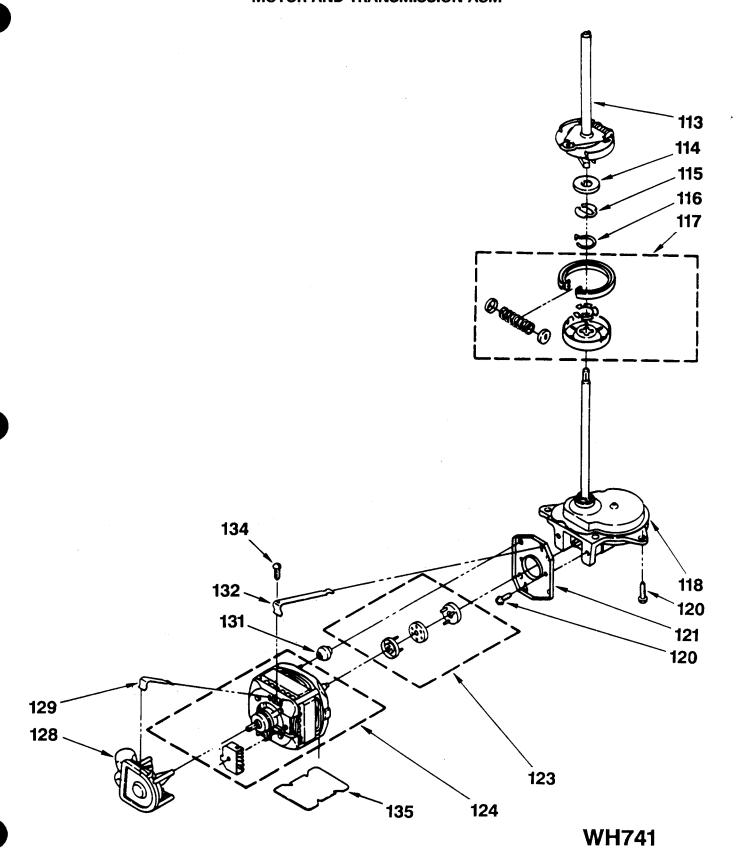




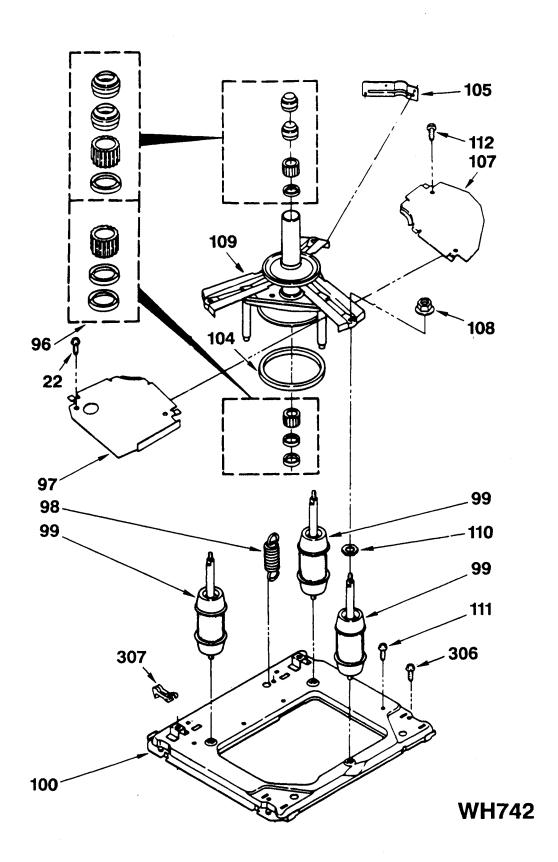
MODELS WSM2420SAZAA, WSM2420SAZWW WASHER CABINET PARTS



MODELS WSM2420SAZAA, WSM2420SAZWW MOTOR AND TRANSMISSION ASM

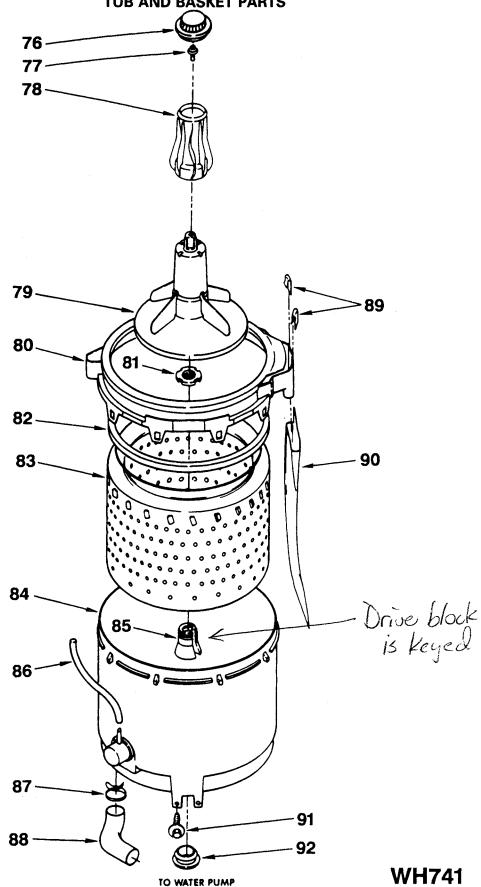


MODELS WSM2420SAZAA, WSM2420SAZWW SUSPENSION ASM



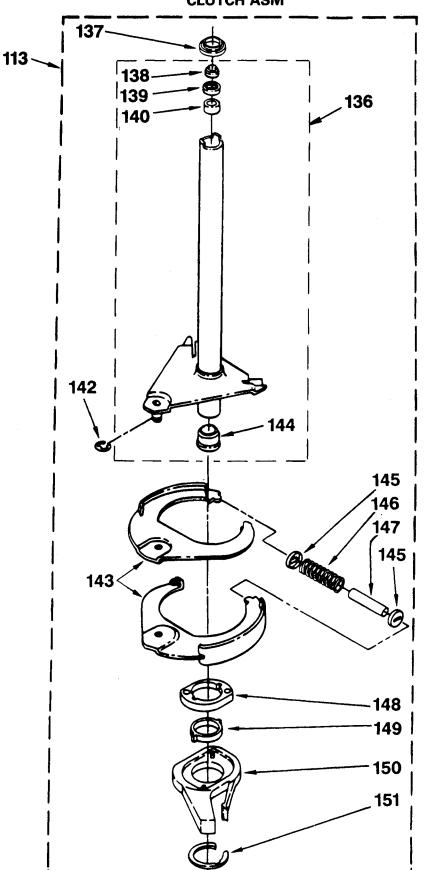
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MODELS WSM2420SAZAA, WSM2420SAZWW TUB AND BASKET PARTS



MODELS WSM2420SAZAA, WSM2420SAZWW TRANSMISSION PARTS 137-168 -**WH741**

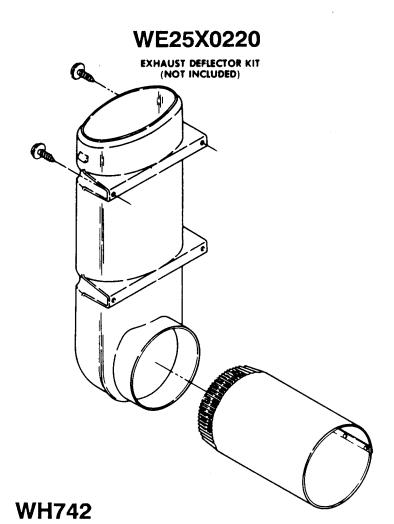
MODELS WSM2420SAZAA, WSM2420SAZWW CLUTCH ASM



WH742



MODELS WSM2420SAZAA, WSM2420SAZWW ACCESSORIES





		PARTS CATALO	G		HOME LAUNDRY CO		
			W S M 2 4 2 0 S A Z A A	W S M 2 4 2 0 S A Z W W			
	PART NO.	PART DESCRIPTION					
1 2 19	49-9799 31-2714 31-2653 NOT STOCKED WH13X0084	GUIDE, USE & CARE MINI-MANUAL INSTALL INSTRUCTIONS SCREW 10-16 X 3/8 VALVE, WATER	1 1 1 2 1	1 1 1 2 1			
22 24 31 32 33	WH01X2662 WH12X0950 WH16X0512	SCREW 10-16 X 1/2 SIPHON BREAK TIMER BRACKET, CONTROL SCREW 6-32 X 3/4	33 1 1 1 4	33 1 1 1 4	•		
34 35 36 37 38	WH02X1158 WH12X0952 WH42X2313 WH12X0949 WH12X0951	CLAMP, CAPACITOR SWITCH, WATER TEMP END CAP CAPACITOR, MOTOR SWITCH, WATER LEVEL	1 1 2 1	1 1 2 1			
39 40 41 42 43	WH02X1178 WH01X2693 WE02X0381 WH02X1159 WH42X2315	SCREW, MOUNTING LOCK, CONSOLE SCREW, CONS. STRUT SCREW, TIMER MNTG PANEL, CONTROL AD	12 2 5 2	12 2 5 2			
43 44 45 46	WH42X2314 WH01X2685 WH01X2683 WH01X2690 WH01X2689	PANEL, CONTROL WH BUMPER, CONSOLE SLEEVE, SCREW DIAL, TIMER AD DIAL, TIMER WH	5 2 1	1 5 2 - 1			
47 48 49 50	WH01X2692 WH01X2691 WH01X2684 WH02X1179 WH01X2679	KNOB, TIMER AD KNOB, TIMER WH SPRING, LOCK SCREW, CONS LOCK KNOB, WATER LVL	1 - 2 2	1 2 2 2			
50 51 53	WH01X2678 WH01X2666 WH01X2665 WH44X1157 WH44X1156	KNOB, WATER LVL HANDLE, LID AD HANDLE, LID LID AD LID	2 1 - 1	- - 1 -			
54 55 56 57 59	WH01X2667 WH16X0506 WH01X2668 WH02X1160 WH01X2694	BUMPER, LID HINGE, LID PAD, LID HINGE SCR, LID HINGE CLIP, SPRING	2 1 2 4 2	2 1 2 4 2			

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		PARTS CATALOG				HOME LAUNDRY CO
			W S M 2 4 2 0 S A Z A	W S M 2 4 2 0 S A Z W W		
	PART	DART DESCRIPTION				
61 62 63 64 65 66 67 71 72 73 76 77 78	NO. WH01X2670 WH44X1161 WH44X1160 WH01X2671 WH04X0105 WH02X1180 WH01X2672 WH16X0507 WH01X2673 WH12X0955 NOT STOCKED WH43X0133 WH02X1162 WH45X0144	CAP, AGITATOR SCREW & WASHER FILTER, AGITATOR	1 2 2 2 2 1 1 1 1	1 2 2 2 2 1 1 1 1 1		
79 80 81 82 83 84	WH43X0134 WH45X0145 WH02X1163 WH08X0372 WH45X0146 WH45X0147	AGITATOR TUB RING & GASKET NUT, SPANNER GASKET, TUB RING BASKET TUB	1 1 1 1 1	1 1 1 1 1		
85 86 87 88 89	WH40X0180 WH41X0357 NOT STOCKED WH41X0350 WH01X2704	BLOCK, DRIVE HOSE, PRESS SWITCH SCREW 10-16X1/2 HOSE, TUB TO PUMP CUP	1 1 1 1 2	1 1 1 1 2		
90 91 92 96 97	WH41X0351 WH02X1164 WH08X0373 WH04X0106 WH16X0508	TUBE, DRAIN-OFF SCR.& WASHER GASKET, CENTERPOST BEARINGS, CENTERPOST SHIELD, TUB	1 4 1 1	1 4 1 1		
98 99 100 104 105	WH01X2675 WH17X0094 WH46X0329 WH08X0374 WH16X0509	SPRING, COUNTERWEIGH SUSPENSION ASM BASE RING, SOUND DEADNG BRACKET, SPRING	HT 1 3 1 1 1 1 1 1 1	1 3 1 1		
107 108 109 111 112	WH16X0510 NOT STOCKED WH17X0091 NOT STOCKED WE02X0388	SUPPORT, TUB/DRUM	1 3 1 1	1 3 1 1		



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•					W S M 2 4 2 0 S A Z A A	W S M 2 4 2 0 S A Z W W		,
		PART NO.	PART DESCRIPTION					
	112 113 114 115 116 117 118	WH38X0054	SCREW 10-16 X 1/2 BRAKE & DRIVE TUBE WASHER RING, SPIN RING, RETAINER CLUTCH ASM GEARCASE ASM		4 1 1 1 1	4 1 1 1 1 1 1 1 1		
	120 121 123	WH02X1168 WH17X0092 WH17X0093	SCREW PLATE, MOTOR MNT COUPLING		2 1 1	2 1 1		
	124 128 129 131 132	WH20X0861 WH23X0080 WH01X2676 WH02X1169 WH01X2677	MOTOR & SWITCH PUMP RETAINER, PUMP GROMMET, MOTOR RETAINER, MOTOR		1 1 1 4 2	1 1 1 4 2		
	134 135 136 137 138	WH16X0511 WH40X0182	SCREW 10-16 X 5/8 SHIELD, MOTOR TUBE, DRIVE RING, THRUST SEAL, OIL		2 1 1 1	2 1 1 1		
	139 140 141 142 143	WH08X0376 WH02X1172 WE60X0030 WH02X1173 WH07X0121	SEAL SPACER, DRIVE TUBE LUBRICANT RING, RETAINING SHOES, BRAKE		2 1 1 1	2 1 1 1		
	146	WH04X0107 WH01X2680 WH01X2681 WH01X2682 WH05X0246	BEARING, SPIN TUBE CAP, BRAKE SPRING SPRING, BRAKE SLEEVE, BRAKE SPR. CAM, BRK RELEASE		1 2 1 1	1 2 1 1		
	1 <i>5</i> 0 1 <i>5</i> 1	WH05X0247 WH05X0248 WH02X1174 WH37X0047 WH08X0377	SLEEVE, CAM CAM, BRK DRIVER RING, RETAINING HOUSING, UPR GEARCA SEAL, GEARCASE HSG	SE	1 1 1 1	1 1 1 1		
0	154 155 157 167 168	WH60X0028 WH05X0249 WH40X0181 WH04X0108 WH04X0109	SEALER, GASKET PINION, SPIN SHAFT ASM, AGITATOR BEARING, THRUST BEARING, BALL		1 1 1 1	1 1 1 1	7	

		DADTO	CATALO	G.	HOME LAUNDRY CO		
· Parameter in the second		TARK	W S M 2 4 2 0 S A Z A	W S M 2 4 2 0 S A Z W W	TIONE DAONDRI CO		
	PART NO.	PART DESCRIPTION					
169 171 172 173 174 175	WH37X0048 WH08X0378 WH02X1175 WH02X1176 WH02X1177 WH05X0250	HOUSING, LWR GEARCASE SEAL, THRUST PLUG SCREW, GEARCASE HSG RING, RETAINING WASHER, THRUST GEAR, SPIN	1 1 8 1 1	1 1 8 1 1			
176 177 178 199	WH07X0122 WH05X0251 WH05X0252 WH01X2686	NEUTRAL ASM RACK, CONNECTING ACTUATOR, SHIFT CUP, CONSOLE	1 1 1	1 1 1			
200 201 202	WE02X0380 WE01X1209 WE01X1199 WH01X2688 WH01X2687	SCREW, 8-32X5/16 KNOB, DRYER TIMER KNOB, DRYER TIMER KNOB, START AD KNOB, START WH	2 1 - 1	2 - 1 - 1			
203 204 205 206 207	WE04X0822 WH12X0953 WH12X0954 WE04X0814 WE04X0815	TIMER, DRYER SWITCH, START BUZZER SWITCH, DOOR LEVER, DOOR SWITCH	1 1 1 1	1 1 1 1			
208 209 210 211	WE20X0777 WE20X0776 WE09X0111 WE10X0327 WE10X0329	PANEL, FRONT AD PANEL, FRONT WH SEAL, DOOR DOOR, REAR DOOR, FRONT AD.	1 - 1 1	1 1 1			
211 212 213 214 215	WE10X0328 WE03X0078 WE01X1193 WE01X1194 WE02X0379	DOOR, FRONT WH. BEARING & SEAL CUP, FELT PAD STRIKE, DOOR SCREW, DOOR SW.	1 2 1 2	1 1 2 1 2			
216 217 221 226	WE01X1195 WE01X1196 WE01X1191 WE01X1198 WE02X0383	CATCH, DOOR HANDLE, DOOR WH HANDLE, DOOR AD HINGE & PIN CLAMP, MOTOR MNTG	1 1 2 2	1 1 - 2 2			
227 229 230 231 233	WE17X0049 WE04X0823 WE13X0201 WE20X0778 WE13X0202	MOTOR & SWITCH RESISTOR & SHIELD BRACKET, MOTOR PANEL, REAR COVER, TERM BLOCK	1 1 1 1	1 1 1 1			

				PARTS CATALOG	3	HOME LAUNDI		
				W S M 2 4 2 0 S A Z A	W S M 2 4 2 0 S A Z W		,	
		PART NO.	PART DESCRIPTION					
		WE20X0780 WE20X0779 WE01X1211 WE01X1210	PANEL, SIDE AD PANEL, SIDE WH PLUG AD PLUG WH	1 - 2 -	1 2			
	237 238 239 240 241 242	NOT STOCKED WE14X0222	SCREW 10-24 X 1/2 ELBOW, UPPER CLIP, FRT PANEL CLIP, GROUND ELBOW, LOWER SUPPORT, PROTECTOR	16 1 2 2 1 1	16 1 2 2 1			
	243 244 245 246 247	WE01X1215 WE12X0093 WE12X0094 WE12X0095 WE02X0384	RESTRAINER, BELT BELT, DRIVE PULLEY, MOTOR IDLER & BRACKET NUT, IDLER	1 1 1 1	1 1 1 1			
	248 249 250 251	WE20X0781 WE02X0385 WE20X0782 WE20X0784 WE20X0783	BASE, DRYER NUT, PUSH-IN COVE, TRANS PANEL BL PANEL, TRANSITION AD PANEL, TRANSITION WH	1 3 1 1	1 3 1 -			
	253	WE20X0785 WE20X0787 WE20X0786 WE01X1216 WE20X0789	TOP, DRYER PANEL, RH SIDE AD PANEL, RH SIDE WH LATCH, LID CLOSURE AD	1 1 - 1 1	1 1 1 1 -			
	256 257	WE20X0788 WE02X0386 WE02X0387 WE01X1217 WE14X0224	CLOSURE WH SCREW & WASHER SCREW & WASHER CUP AIR DUCT & BRKT	3 2 1 1	1 3 2 1			
		WE04X0824 WE02X0389 WE04X0825 WE02X0390 WE01X1218	THERMOSTAT, OPERATIN SCREW BLOCK, TERMINAL WASHER CLIP	G 1 2 1 1 1 1	1 2 1 1			
)	268 269 270 271 272	WE11X0097 WE11X0098 WE09X0112 WE16X0029 WE09X0113	HEATER BOX HEATER ELEMENT SEAL WHEEL, BLOWER SEAL, FAN SCROLL	1 1 1 1	1 1 1 1			

			PARTS CATALOG	3	HOME LAUNDRY CO
			W S M 2 4 2 0 S A Z A	W S M 2 4 2 0 S A Z W W	
	PART NO.	PART DESCRIPTION			
273 274 275 276 277 278 279 280 281 282	WE14X0225 WE04X0826 WE03X0079 WE21X0072 WE03X0080 WE21X0073 WE02X0391 WE09X0114 WE20X0790 WE18X0055	FAN SCROLL THERMOSTAT, HEATER SHAFT, ROLLER R.H. DRUM, DRYER RING, BEARING BAFFLE, DRUM SCREW 11-16 X 7/8 SEAL BULKHEAD LINT SCREEN	1 1 1 1 3 6 1	1 1 1 1 3 6 1 1	
283 284 285 286 287	WE18X0056 WE02X0392 WE03X0081 WE03X0082 WE02X0393	COVER, LINT SCRN TRI-RING SHAFT, ROLLER L.H. ROLLER, SUPPORT WASHER	1 4 1 2 4	1 4 1 2 4	
288 291 292 293 294			2 3 1 2	2 3 1 2 1	
296	WE01X1219 WE01X1220 WE13X0203 WE13X0204 WE13X0205	CAP, SCREW CUP COVER, CHANNEL SUPPORT, DRYER L.H. SUPPORT, DRYER R.H.	1 1 1 1	1 1 1 1	
	NOT STOCKED WH02X1181 WH02X1184 WH01X2703 WH41X0353	SCREW 10-16 X 3/8 CLIP, CONDENSER SCREW & WASHER BLOCK RESTRAINT HOSE, WATER INLET	2 2 1 2 1	2 2 1 2	
312	NOT STOCKED WH41X0354 WH01X1182 WH41X0355 WH01X2695	CABINET AD HOSE, DRAIN PLUG HOSE, CONNECTOR CAP, SIPHON BREAK	1 1 1 1	1 1 1 1	
315 317 318 320 321	WH41X0356 WH01X2697 WH01X2698 WH01X2700 WH46X0333	HOSE, WATER INLET LINK, LEVELING CLIP LOCK, TOP PANEL, FRONT AD	1 1 2 2 1	1 1 2 2	

			PARTS CATALOG	G	HOME LAUNDRY CO
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RFF	PART				
	NO.	PART DESCRIPTION			
321	WH46X0332	PANEL, FRONT WH	•	1	
322	WH01X2701	FOOT, FRONT	2	2	
323	WH01X2702	FOOT, REAR	2	2	
	WE25X0220	KIT, EXH. DEFLECT	ī	1	