CAUTION: TO SERVICE MACHINE, THE POWER MUST BE DISCONNECTED

IMPORTANT SAFETY NOTICE

This information is intended for use by individuals possessing adequate background of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

AIR FLOW AND SEALS

Proper air flow through the dryer is essential for normal operation of the temperature control and safety systems. Air is PULLED into the cabinet from rear and drawn up across the heaters located behind the drum. This hot air is PULLED through the drum rear, across the clothes load, through the lint trap and down the trap duct into the blower. From the blower the air is PUSHED out of the exhaust system. Any air leaks between the air inlet and the blower, such as lower drum front felt or trap duct to cabinet front sealing, will result in improper temperatures. The air being pulled down the trap duct to the drum outlet thermostat will be cooler than normal, giving this thermostat a false indication (delayed or no-trip). Leaks ahead of the blower will also reduce the volume of air across the heaters causing hot spots and possible premature failure.

TRAP DUCT SEALING

To inspect the trap duct for proper sealing, remove the lint filter and look down into the duct. With a light examine the trap duct on all sides where it meets the dryer front for voids in sealing. Leaks may be sealed with permagum.

* WHEN FLEXIBLE DUCT IS USED, WE STRONGLY RECOMMEND METALLIC FLEXIBLE DUCT.
* EXHAUST DUCT MUST BE 100mm (4 INCH) DIAMETER.
* FOR SPECIFIC EXHAUST SPECIFICATION, REFER TO INSTALLATION INSTRUCTION SUPPLIED WITH YOUR DRYER.

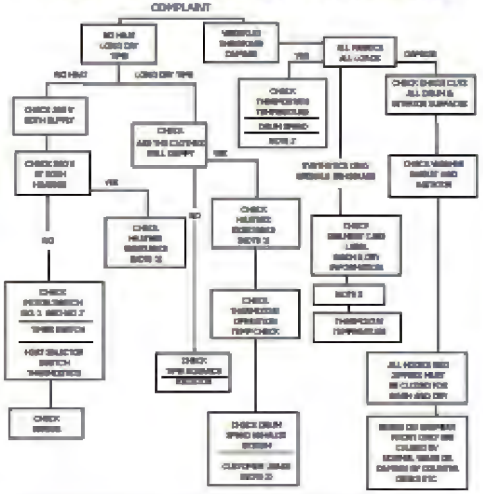
DRIVE BELT

The drum is rotated counterclockwise, as viewed from the front, at a speed of 47-51 RPM. Belt tension is maintained by a spring loaded idler pulley and driven by a pulley attached to the rear motor shaft.

IMPORTANT

The timer and start switch are intentionally not grounded and may present a risk of electric shock during servicing.
Disconnect electric power supply prior completing service.

GENERAL TROUBLESHOOTING GUIDE



IMPORTANT

Reconnect all grounding devices. All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washer used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

NOTES:

1. Heater element is shown on wiring schematic (on reverse side of this sheet). Check for infinite resistance between any heater terminal and dry cabinet. Heater failure could result from low air flow caused by improper sealing, kinked or excessive ducting or excessive line voltage.
2. Other factors contributing to long dry times, or clothes condition: load size, large bulky items, ambient temperature, room size (if not exhausted outdoor), washer spin speed, washer rinse temperature.
3. Small loads: Less then 3 lbs. if not treated with destaticizer could develop a static charge if over dried and cling to drum surface (no tumble) causing wrinkles, shrinkage, or melting. Use a fabric softener (washer or dryer) or add 2 large bath towels to act as a buffer when drying.

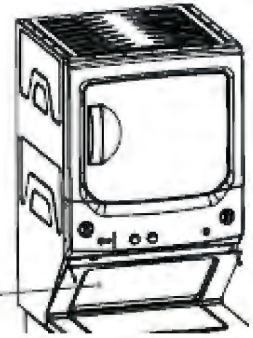
SERVICE PARTS AND LUBRICATION

Motor	120V-60HZ (WE17M44)
Drive Belt	WE12M30
Idler Pulley	WE12M8
Drum Bearing Sleeve	WE1M482
Blower Motor	WE17M45
Grease - Idler Bearing	WE25X48

SERVICE NOTE

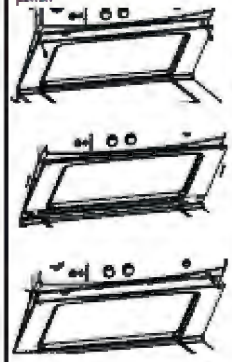
Some replacement parts may have more terminal connections then the original part. Wire the new part to the same numbered terminals as the original part and disregard the unused terminals unless a special instruction is provided.

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



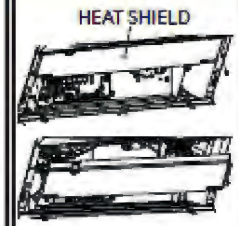
1 TO REMOVE ACCESS PANEL:

1.-Remove two screws at top left and right of access panel.
2.- Rise a little and pull straight out and tilt the panel down. Wiring diagram is mounted to the access panel.



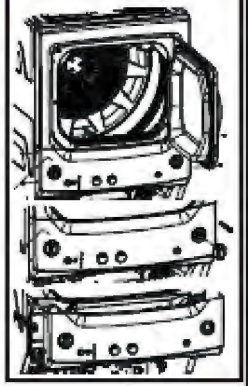
2 TO REMOVE HEAT SHIELD & CONNECTORS:

To unplug the connectors, remove the two screws in the middle of the heat shield, and pull straight out.



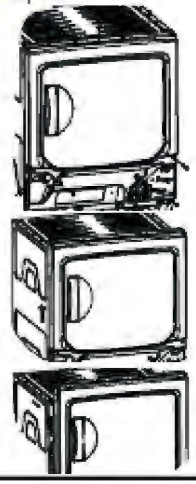
3 TO REMOVE CONTROL PANEL :

Unscrew the screws around the control panel (open the door to see other). Pull straight out a little on the panel control to remove the dryer knob, remove the dryer knob, and remove the panel control.



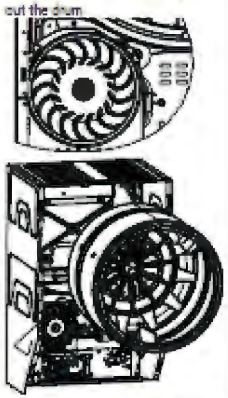
4 TO REMOVE FRONT PANEL:

After releasing the control panel, remove front panel mounting screw, 4 screws near of the bottom and 3 screws on the top.
Lift up on front panel to release the mounting clips, then remove the front panel.



5 TO REMOVE DRUM:

Service procedure: After removing the front panel, move the idler pulley to the bracket motor to lock it, so you can loosen the belt. Once belt is loosened and moved off the motor pulley, slightly lift and pull out the drum.



Reassemble note: Re-route the belt on the motor and idler pulley, then release the idler from the motor bracket. Be sure that the belt is corrected routed on the idler pulley and motor pulley. Slowly turn by hand counter-clockwise the drum to ensure belt is aligned and not twisted. Drum RPM should be between 45-55, after re assembly the front panel . Verify that the slides on the top bearing are in the correct position.

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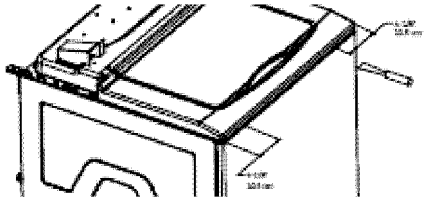
CAUTION: TO SERVICE MACHINE,

1 TO REMOVE FRONT PANEL:

1. Locate two spring clips between cover and front panel, by align putty knife about 4-1/8"" from each side of cabinet (see illustration).
2. Insert putty knife and push forward to release clips.
3. Rotate front panel forward and lift off cabinet base locating tabs.
4. Reverse procedure to reassemble.

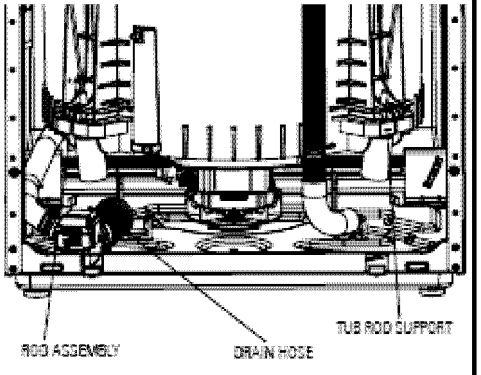


2 TO REMOVE COVER / LID ASSEMBLY:

1. Remove front panel using step 1..
2. Remove two 1/4" hex screws on front of cabinet.
3. Reach under the lid assembly and locate lid switch. Squeeze lid switch latch in to release while gently pushing it upward. Guide lid switch through opening.
4. Remove lid lock by removing two Phillips #2 screws located at left side of cover recess.
5. Remove cover/lid assembly.
6. Reverse procedure to reassemble.

3 TO REMOVE SPIN BASKET:

1. Drain all water from tub by turning on washer to Drain & Spin cycle.
2. Repeat steps 1 and 2.
3. Disconnect drive harness and pressure switch hose (release all wire ties).
4. Disconnect drain hose inlet (black hose) from tub's end at bottom of tub.
5. Remove front rod and spring assembly (one at time) by lifting tub assembly to take weight off suspension spring at lower portion of rod. Pull the spring assembly out of the tub leg and repeat for rear rod and spring assemblies. Allow them to hang freely. The front and spring assemblies have a ink mark color code according to spring color and should not be switched.



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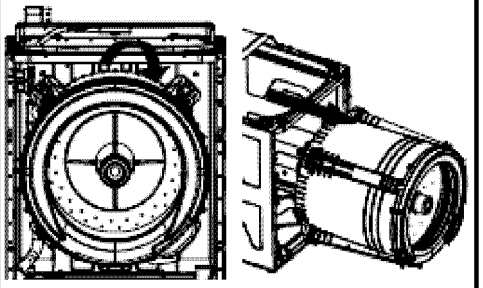
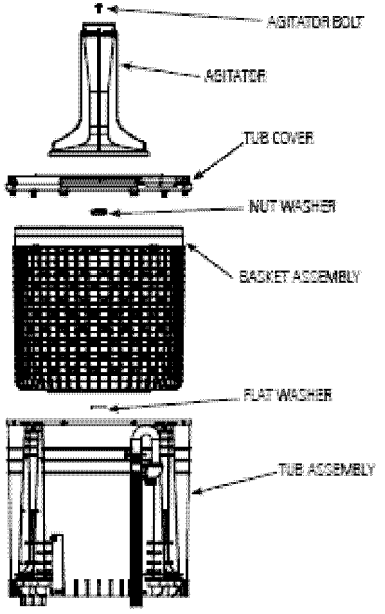
6. The tub assembly will now lean forward after both front rod and spring assemblies are unhooked at tub supports.
7. Lift and push the tub/drive assembly bottom towards the rear of the cabinet, and roll tub out under top lip of cabinet.
8. Pull tub out of cabinet by lifting it over on its top as shown below and place on floor with drive at bottom.
9. Remove tub cover by lifting tabs on tub cover and pull off. Locate alignment tabs on tub for reassemble.
10. Remove 3/8" hex bolt attaching agitator to spline shaft.
11. Remove agitator by lifting it straight up and off the shaft.



12. Remove left handed 1-11/16" hub nut, this nut is aluminum; take care not to round the edges when removing or replacing.
13. Reverse procedure for reassemble.



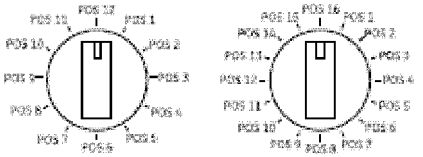
CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

WASHER FIELD SERVICE MODE

VERIFY IF WASHER IS IN CRITICAL ERROR (SEE CRITICAL FAIL MODE TABLE).
TO ENTER TO SERVICE MODE, ROTATE CYCLE SELECTOR TO ANY POSITION EXCEPT POSITION 6.
PRESS START BUTTON AND PS BUTTON AT SAME TIME, WAIT 3 SECONDS, THEN ROTATE CYCLE SELECTOR TO POSITION 6, WAIT 3 SECONDS AND RELEASE BOTH BUTTONS AND ALL LEDS WILL BLINK.
ROTATE KNOB CLOCKWISE TO VARIOUS POSITIONS PER SERVICE FUNCTION TABLE TO PERFORM FUNTIONAL CHECKS.

FOR TESTS MARKED WITH Ⓒ IN SERVICE FUNCTION TABLE IT IS NECESSARY TO PRESS START BUTTON.

WHEN A LOAD IS TESTED, IS NECESSARRY TURN THE PROGRAM KNOB TO OTHER POSITION TO TURN OFF THE LOAD.
TERMINATION OF SERVICE MODE CAN BE ACCOMPLISHED BY REMOVING POWER TO THE WASHER, OR REPEATING THE SAME PROCEDURE TO ENTER TO SERVICE MODE, OR WAITING 15 MINUTES.



CYCLE SELECTION POSITIONS

CRITICAL FAIL MODE TABLE

	LID SWITCH FAILURE	LID LOCK BROKEN	
LED STATUS	1	1	FS ON
	*	*	WASH
	0	0	RINSE
	0	*	SPIN
	*	0	LID LOCKED

NO CRITICAL FAIL MODE TABLE

	FILL TIME OUT	LID LOCK FAILURE	
LED STATUS	1	1	FS ON
	*	0	WASH
	0	*	RINSE
	0	0	SPIN
	0	0	LID LOCKED

NOTE:
WHEN ONE OR BOTH CRITICAL FAILURES OCCUR, THE WASHER IS DISABLED.
IT IS NECESSARY TO ENTER SERVICE MODE TO REESTABLISH THE WASHER.

* FLASHING
1 LED ON
0 LED OFF

SERVICE FUNCTION TABLE

KNOB POS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	LED
	NOT USED	FABRIC SOFTENER BUTTON	ERROR CODES Ⓒ	CLEAR ERROR	MODEL CODE 27"	MODEL CODE 27" HE/HE	MODEL CODE 27" RENWORLD	MODEL CODE 24"	ENTER/EXIT SERVICE MODE	SPIN AND SHIFTER SYSTEM Ⓒ	DRAIN PUMP Ⓒ	AGITATE Ⓒ	HOT WATER VALVE Ⓒ	COLD WATER VALVE Ⓒ	START / PAUSE BUTTON Ⓒ	NOT USED	NOT USED	NOT USED	NOT USED	
LED STATUS	0	0	0	0	0	0	0	0	*	0	0	A	0	0	0	0	0	0	0	FS ON
	0	0	0	0	0	0	0	0	*	0	0	A	0	0	0	0	0	0	0	WASH
	0	0	0	0	0	0	0	0	*	1	1	1	0	0	0	0	0	0	0	RINSE
	0	0	0	0	0	0	0	0	*	1	1	1	0	0	0	0	0	0	0	SPIN
	0	0	1	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	LID LOCKED

* FLASHING
1 LED ON
0 LED OFF
A LED ON IF THE SHIFTER IS IN AGITATE POSITION
LED OFF IF THE SHIFTER IS IN SPIN POSITION
B LEDS WILL BLINK AFTER START BUTTON IS PRESSED INDICATING ERRORS ARE CLEARING. AFTER ERRORS HAVE CLEARED, MOVE THE CYCLE SELECTOR TO POSITION 3 TO VERIFY THAT NO ERRORS EXIST.

WATER LEVEL SENSOR

BEFORE DISCONNECTING HOSE FROM WATER LEVEL SENSOR.
BE SURE WATER LEVEL IN MACHINE IS BELOW BOTTOM OF BASKET.
AFTER RECONNECTING HOSE, PUT MACHINE IN SPIN FOR AT LEAST 1 MINUTE BEFORE CHECKING OPERATION OF SENSOR.

ERROR CODES TABLE

KNOB POS	3													LED
	NO ERRORS EXIST	DOOR BELT	BLOCKED MOTOR	FILLING TIME OUT	OVERFLOW	PUMP TIME OUT	THERMISTOR	NO SPEED	LID LOCK NOT OPEN / CLOSE	LID SWITCH	LID LOCK BROKEN	REPLACE CONTROL BOARD	REPLACE CONTROL BOARD	REPLACE CONTROL BOARD	
LED STATUS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	FS ON
	0	0	0	0	1	0	0	0	0	1	1	1	1	1	WASH
	0	0	0	0	1	1	1	1	1	0	0	0	1	1	RINSE
	0	0	1	1	0	0	0	1	1	0	1	1	0	1	SPIN
	0	1	0	1	1	0	1	0	1	0	0	1	0	1	LID LOCKED

* PRESS START BUTTON TO KNOW IF SEVERAL ERRORS EXIST
1 LED ON
0 LED OFF

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WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:
THE POWER MUST BE DISCONNECTED BEFORE SERVICING BY UNPLUGGING THE MACHINE OR DISCONNECTING THE CIRCUIT BREAKER.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

WIRING DIAGRAM ELECTRIC MODEL

COLOR CODE			
LETTERS	COLOR	LETTERS	COLOR
AX	LT. BLUE	RX	RED
BX	BLACK	SX	GRAY
CX	BROWN	TX	TAN
GX	GREEN	VX	PURPLE
NX	DK. BLUE	WX	WHITE
OX	ORANGE	YX	YELLOW
PX	PINK		

THE "X" INDICATES ONE SOLID COLOR - NO TRACER.
WIRES WITH TRACER SHOW BOTH COLORS.
EXAMPLE - WR IS WHITE WITH RED TRACER.

DRYER

WASHER

L-1

L-2

REAR PANEL

DOOR SWITCH SHOWN DOOR CLOSED

CONTROL TIMER

START SWITCH

THERMO HI-LIMIT RIGHT

IDLER SPRING SWITCH

MAIN MOTOR

CHASSIS MOTOR

MOTOR SWITCH

TIMER MOTOR

SAFETY THERMOSTAT

RESISTOR 4.568 Ω

INNER COIL

HEATER

OUTER COIL

DRUM OUTLET

CONTROL INLET

WASHER CONTROL BOARD

BUTTONS AND LEDS HARNESS PLUG

SELECTOR HARNESS PLUG

WATER TEMP SENSOR

LID SWITCH

EACH VALVE COIL 1.1 KOHMS

PUMP 12 OHMS

LID LOCK

SOLENOID

UNLOCK

LOCK

CAM

PTC SOLENOID

THERMAL ACTUATOR 906 OHMS

MOTOR

EACH WINDING 4 OHMS

CAPACITOR

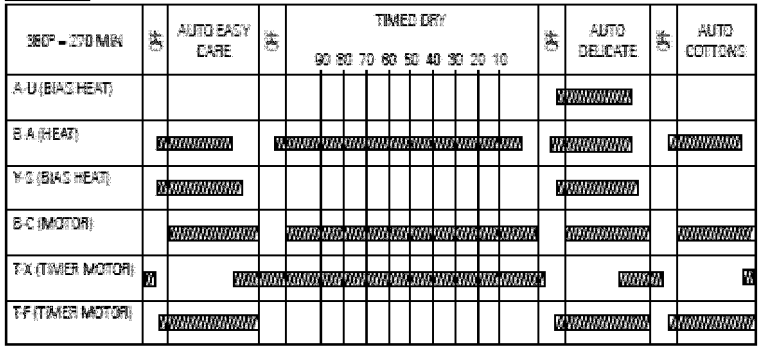
SPEED SENSOR

PRESSURE SENSOR

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:

•THE POWER MUST BE DISCONNECTED BEFORE SERVICING BY UNPLUGGING THE MACHINE OR DISCONNECTING THE CIRCUIT BREAKER.
•THE MACHINE MUST BE ELECTRICALLY GROUNDED THROUGH THE LEAD IN THE 3 4 PRONG POWER CORD.
•THE CORD MUST BE PLUGGED INTO A GROUNDED APPLIANCE OUTLET THAT HAS BEEN PROPERLY INSTALLED. IF LOCAL CODES REQUIRE AN ADDITIONAL GROUND CONNECTION, USE # 10 AWG MINIMUM WIRE TO CONNECT THE APPLIANCE CABINET TO AN ESTABLISHED GROUND. IN ALL CASES, THE GROUNDING METHOD MUST COMPLY WITH ALL LOCAL ELECTRICAL CODES AND ORDINANCES.

TIME CHART



TERMINAL LEGEND

NOMENCLATURE
T- = TIMER CONTROL
M- = DRIVE MOTOR

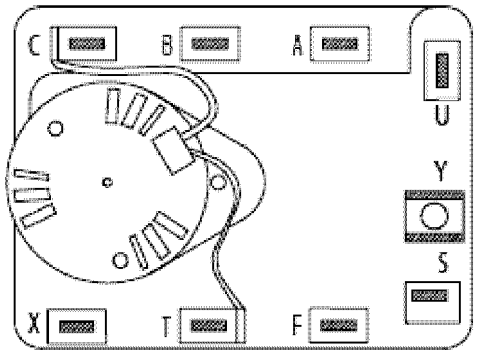
START SWITCH

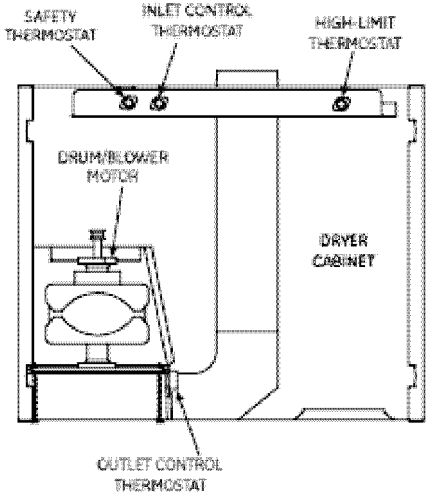
	CONT.
	4 - 2
START	M

			SET POINT	
TYPE	ITEM	SERVICE #	OPEN	CLOSE
THERMOSTAT	HIGH LIMIT	WE4M137	315 ±8	250 ±15
THERMOSTAT	SAFETY	WE4M528	235 ±5	205 ±6
THERMOSTAT	INLET BIASED	WE4M181	210 ±5	180 ±6
THERMOSTAT	OUTLET	WE4M317	130 ±5	120 ±6

JUNCTION LEGEND
>> JUNCTION BY CONNECTOR
▬ JUNCTION BY TERMINAL

CONTROL TIMER





THE POWER MUST BE DISCONNECTED

4 TO SERVICE MOTOR:

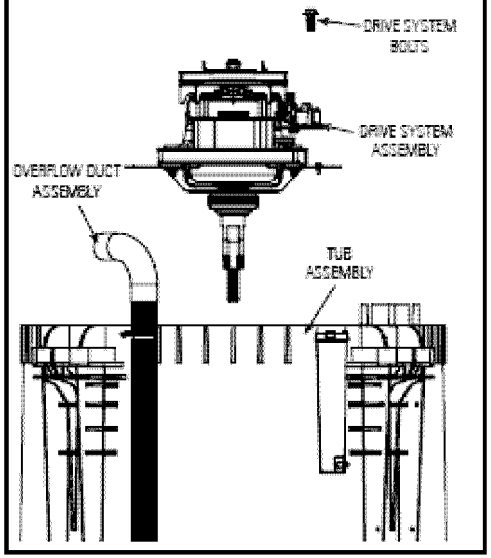
1. Repeat step 1.
2. Remove belt by pushing down on belt near motor pulley while turning large pulley.
3. Disconnect wire harness to motor and speed sensor.
4. Remove two 1/2" hex motor bolts and pull out (the motor shield will be loose at this time).

To Reinstall Motor:

1. Set top shield, motor, motor grommets, motor brackets and hand start the two motor bolts.
2. Attach belt to motor pulley and rotate large pulley until the belt slack is taken up.
3. Pull motor until belt tension (8-11 lbf) is properly set and tighten motor bolts.
4. Reconnect motor power and speed sensor connectors up until tabs are fully seated and place wire tie.
5. Reverse procedure to reassemble.
6. Put the machine on "Drain and Spin" cycle, close lid then the control will pulse the lid lock and lock lid.
7. The machine will start to drain and the spin will start after seconds let the spin run and pause unit.
8. After the basket stops the lid lock will be release.

5 TO SERVICE TUB:

1. Repeat step 1, 2 and 3.
2. Remove 3/8" hex bolts attaching drive assembly to tub (10 bolts for 27" wide stack unit and 14 bolts for 24" wide stack unit).
3. Disconnect over flow hose (black hose) at well tub.
4. Place a new main seal on drive system before reassembling tub, clean tub surface, set the seal in a way to avoid damages with basket shaft.
5. Reverse procedure to reassembly.



6 TO REMOVE TRANSMISSION:

1. Repeat steps 1, 2 and 3.
2. Remove belt by pushing up on belt near motor pulley while turning large pulley.
3. Remove two 1/2" hex motor bolt and pull out (the motor shield will be loose at this time).
4. Remove large pulley by holding pulley with one hand and removing 5/8" hex nut.
5. After pulley is removed, remove two 3/8" hex bolts on shifter assembly.
6. Shifter and shifter spring will be loose at this time.
7. Remove two 1/2" hex bolts from package bracket.
8. Place a new main seal on drive system before reassembly on tub.
9. Reverse procedure to reassembly.