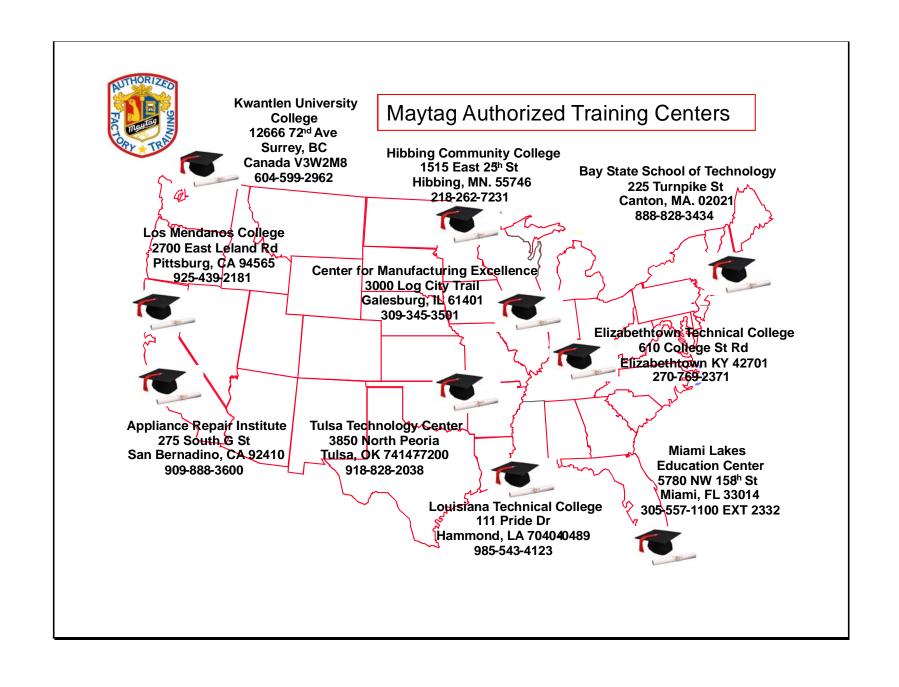
MAYTAG Training SERVICES

Maytag Neptune 27" Front Load Washer







Maytag Neptune 27" Front Load Washers

Premium II – MAH9700 - (Direct Drive Motor – Slope Console)

Premium I – MAH8700 – (Belt Drive Motor – Slope Console)

Entry Level- MAH6700 - (Belt Drive Motor - Flat Front Console- Stackable)

Slide 2

Major Differences

Top Spin Speed;

9700-1200RPM

8700-1100 RPM

6700-1000 RPM

Noise Reduction

9700 Direct drive motor, 2 tuned absorbers

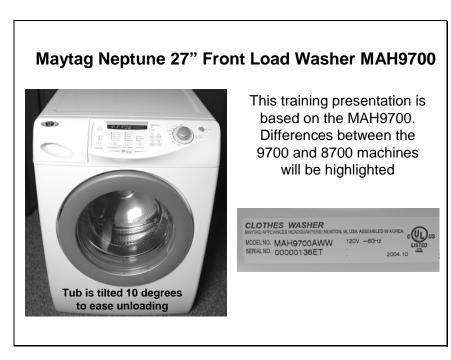
8700 2 tuned absorbers

6700 1 tuned absorber

Weights

9700 uses two weights attached to the front of outer tub

6700 & 8700 use four weights. Two attached to the front of outer tub, one behind the spinner pulley and one mounted to the right rear side of the outer tub

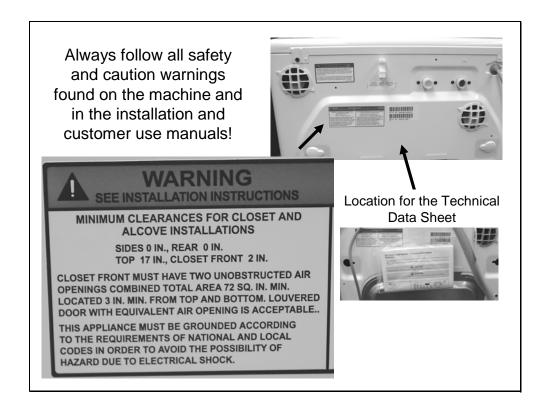


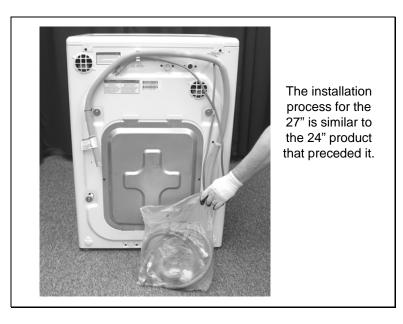
	Maytag Neptu
Dimensions	
Washer Width	27"
Washer Depth	30.75"
Washer Height	38"
Washer Weight	191 LBS
Pedestal/Riser (MAL1800AX*)	13"
Features	
Capacity (cu.ft)	3.81
Controls	LED
Motor Type	Direct Drive
Spin Speeds	6
Water level Control	IntelliFill
Water Temp Combinations	6
ATC Control	
Soil Level Selections	Heavy, Med., Light
Spinner	Stainless
Self Clean Lint System	
Internal Heater	900 Watts
End of Cycle Chime	High, Med., Off
Delay Wash	Up to 19 Hr.
Dispensers	
Detergent Dispenser	Pre and Main
Bleach Dispenser	100ml
Fabric Softener Dispenser	
Child Lock Out	Control Lock
Tumble Pattern	
Normal	35 Times per Minute
Hand Wash	5 Times per Minute
Energy Consumption	266 Kw/H per year
Water Consumption	9.9 to 15.9 Gallons

Base Cycles	
Sanitary	151 Degrees F
Super Wash	<u> </u>
Normal	
Whites	
Wrinkle Control	
Colors	
Delicates	
Hand Wash	
Quick Wash	
Enviro Plus	
Options	
Prewash	
Stain Treat	
Extra Rinse	
Extended Spin	
Rinse & Spin	
Spin Only	
Spin Speeds	Approximate RPM
Max Extract Plus	1200 RPM
High	1000 RPM
Medium	800 RPM
Gentle	600 RPM
Low	400 RPM
Drain only	0 RPM
15" pedestal and Drawer	MAL1800AXW/M
Colors	White, Platinum

Note: The Power Point Presentation and Participant's Guide for this training session were developed using prototype machines. There might be slight cosmetic differences between the product pictured and the current production units. Always refer to the Technical Data Sheet for detailed information for the product you are servicing.

Slide 6

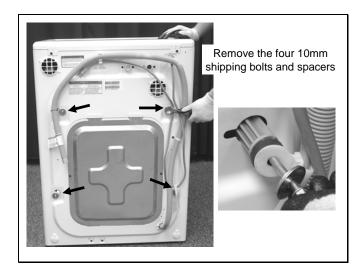


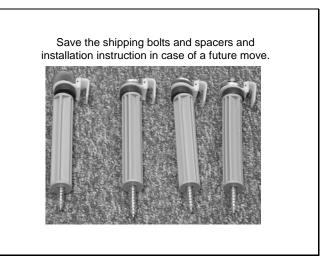




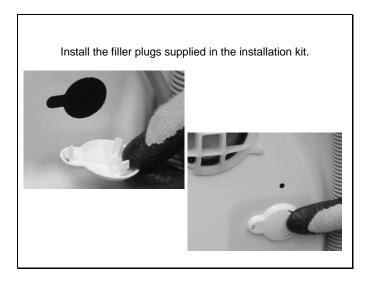
The installation package contains the fill hoses, a combination wrench for removing the shipping bolts and adjusting the leveling legs, filler plugs and a drain hose bracket.

Slide 9

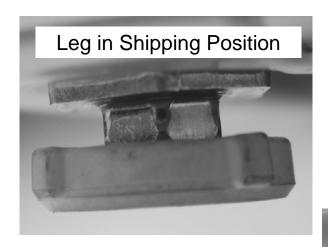




Slide 11

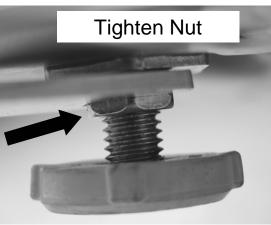


Slide 12



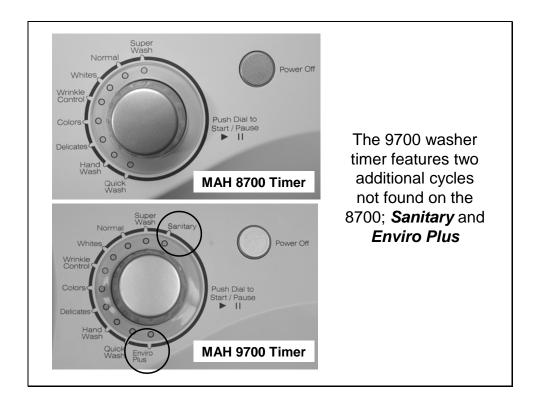
Level the machine side to side and front to back

After leveling, make sure to tighten the locking nut against the base. Failure to do so will cause excessive vibration



The washer must be installed on a sturdy floor and leveled.

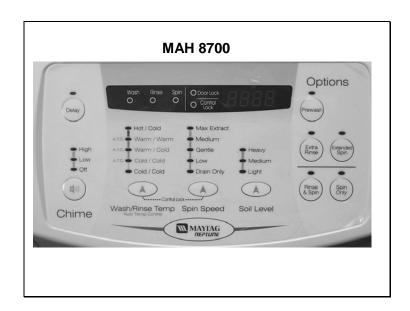
Make sure the locking nuts are tightened against base

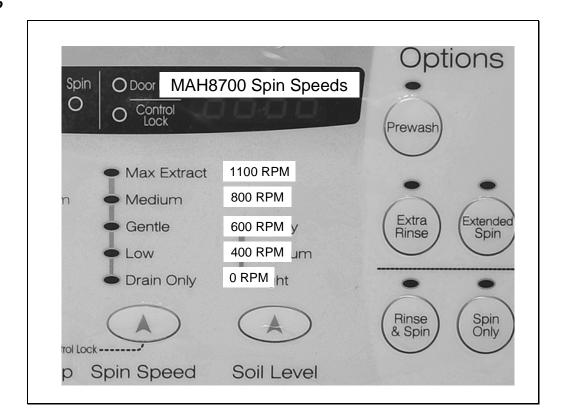


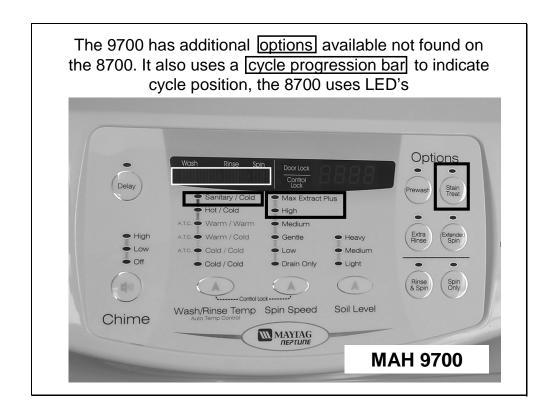
The Sanitary cycle delays during the first wash to heat the wash water. A 900 Watt heating element located in the bottom of the outer tub is used to raise the water temperature to 151 degrees F. As soon as a 151 degree F. temperature is reached the cycle resumes. The machine will delay up to 69 minutes if necessary to achieve SaniTemperature. The purpose of the 151 Degree water temperature is to help eliminate bacteria and improve cleaning performance.

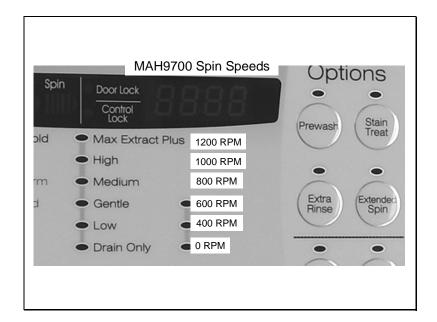
The Enviro Plus cycle uses less energy and less water than the Normal Cycle.

Slide 14









Slide 18

ATC Control

When ATC cold wash is selected,

Heater turns on if the water temperature in the tub is below 60 degrees F. Heater turns off if the water temperature is above 70 degrees F or the time runs out for wash time. The cycle time will **not** be extended to reach the desired temperature.

When ATC warm wash is selected, Heater turns on if the water temperature in the tub is below 95 degrees F. Heater will turn off if the water temperature is above 105 degrees F or the time runs out for wash tumble. The cycle time will **not** be extended to reach the desired temperature.

When hot wash is selected, Heater will turn on if the water temperature in the tub is below 120 degrees F. Heater turns off if the water temperature is above 130 degrees F. or the time runs out for wash tumble. The cycle time will **not** be extended to reach the desired temperature.

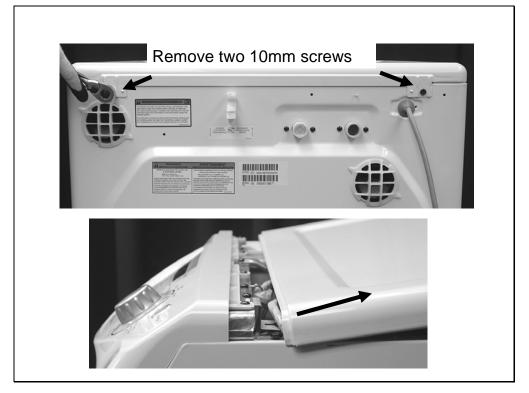
When the Sanitary Cycle is selected, Heater turns on if the water temperature in the tub is below 141 degrees F. Heater turns off if the water temperature is above 151 degrees F. The wash cycle will be extended to achieve the temperature of 151 degrees F.

Note: The heater will not turn on more than once in a wash cycle (no reheating).

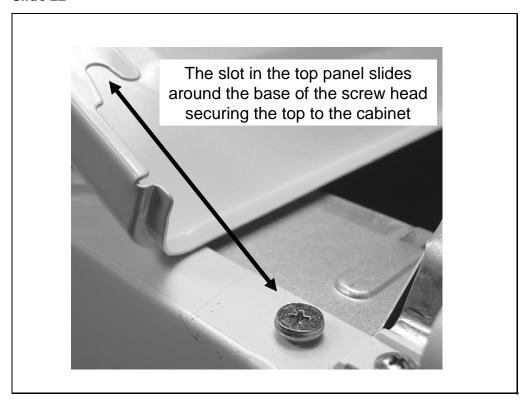
Slide 19- Maytag Neptune MAH9700 Time Chart

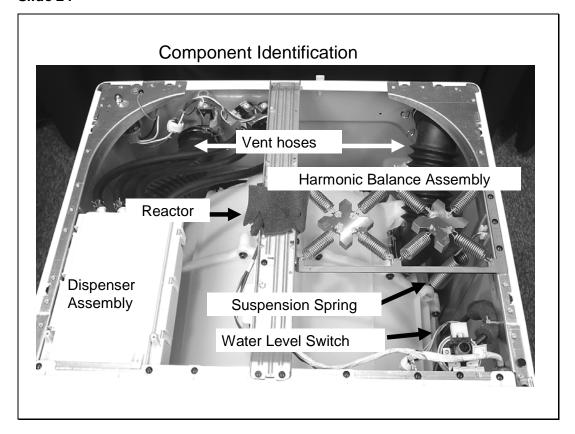
				Ma	ytag Nept	une MAH97	700 Time	e Chart					1
							Time	(m in u te)					
Course	Water Temp (L Setting	Jnit : Deg.C) heater	Water Filling	Hea	ıtin g	Cooling	Drain		SPIN		Water	RINSE	Total
Course	Wash/Rinse	on/off	with Tumbling	Soaking	Washing	, Untangling	Dium	Intermittent 1	Intermittent 2	Final	Filling	N 111 O E	1 0 1 4 1
Sanitary	EH/C(N)	141/151	2	3	69	(1)	(1)	(6)	(6)	(7)	2	4	110
	C /C (N)		2	3	24	1	(1)	(6)	(6)	(7)	2	4	
Super	C/C	61/70	2	3	24	1	(1)	(6)	(6)	(7)	2	4	
Wash	W /C	95/106	2	3	24	1	(1)	(6)	(6)	(7)	2	4	90
	W /W	95/106	2	3	24	1 (1)	(1)	(6)	(6)	(7)	2	4	-
	H/C (N) C/C (N)	120/130	2	(3)	(13)	(1)	(1)	(6) (6)	(6) (6)	(7)	2	4	
	C/C	61/70	2	3	13	1	(1)	(6)	(6)	(7)	2	4	-
Normal	W /C W /W	95/106	2	3	13	1	(1)	(6)	(6)	(7)	2	4	5 4
	W /W	95/106	2	3	13	1	(1)	(6)	(6)	(7)	2	4	
	H/C(N)	120/130	2	3	13	(1)	(1)	(6)	(6)	(7)	2	4	1
	C/C(N)	_	2	(3)	(6)	1	(1)	(6)	(6)	(7)	2	4	
	C/C	61/70	2	3	6	1	(1)	(6)	(6)	(7)	2	4	
Whites	W /C												
	W /W	The	Micon	1100	~ "file"	71 logi	o" to	dota	rmina	th	o lor	ath a	f
	H/C(N)	1116	Micon	1 USE	s iuz,	zy logi	C LO	uele	111111116	; UH	e lei	igiri o	<u> </u>
	C /C (N)					•						_	l l
Wrinkle	C /C	SOI	me of th	ne nh:	292	etc lle	se th	is cha	art ac	2	auide	Alno e	ļ
W rinkle Control	C /C W /C	SOI	me of th	ne pha	ases	etc. Us	se th	is cha	art as	a	guide	e only	
	C /C W /C W /W							is cha	art as			e only	
	H/C(N)	120/130	2	3	16	(1)	(1)			(7)	2	4	
	H/C (N) C/C (N)						(1) (1)	(6)	(6)	(7)	2 2	e only	
	H/C(N)	120/130	2 2	3 (3)	16 (15)	(1) 1	(1)			(7)	2	4 4	56
Control	H/C (N) C/C (N)	120/130	2 2 2	3 (3) 3	16 (15) 15	(1) 1	(1) (1) (1)	(6) (6)	_ (6) (6)	(7) (7) (7)	2 2 2	4 4 4	
Control	H/C (N) C/C (N) C/C W/C W/C W/W H/C (N)	120/130 61/70 95/106	2 2 2 2 2 2	3 (3) 3 3	16 (15) 15 15 15 15	(1) 1 1	(1) (1) (1) (1) (1) (1)	(6) (6) (6) (6) (6)	(6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7)	2 2 2 2 2 2	4 4 4 4 4	
Control	H/C (N) C/C (N) C/C W/C W/W H/C (N) C/C (N)	120/130 	2 2 2 2 2 2 2 (2)	3 (3) 3 3	16 (15) 15 15 15 15 (6)	(1) 1 1 1	(1) (1) (1) (1) (1) (1) (1)	(6) (6) (6) (6) (6) (6)	(6) (6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7) (7)	2 2 2 2 2 2 (2)	4 4 4 4 4 (5)	
Control	H/C (N) C/C (N) C/C W/C W/W H/C (N) C/C (N)	120/130 	2 2 2 2 2 2 2 (2) (2)	3 (3) 3 3	16 (15) 15 15 15 15 15 (6)	(1) 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1)	(6) (6) (6) (6) (6) (6) (6)	(6) (6) (6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 2 2 2 (2) (2)	4 4 4 4 4 (5)	56
Control	H/C (N) C/C (N) C/C W/C W/C W/W H/C (N) C/C (N) C/C W/C	120/130 61/70 95/106 95/106 120/130 	2 2 2 2 2 2 (2) (2) (2)	3 (3) 3 3	16 (15) 15 15 15 15 (6) 6	(1) 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1)	- (6) (6) (6) (6) (6) (6) (6)	- (6) (6) (6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 2 2 (2) (2) (2)	4 4 4 4 4 (5) (5) (5)	
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Colors Delicate Hand Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C (N) C/C W /W H/C (N) C/C (N) W /W	120/130 61/70 95/106 95/106 120/130 61/70 95/106 120/130 61/70 95/106 120/130 61/70 95/106 120/130	2 2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2)	3 (3) 3 3 3 3 3 	16 (15) 15 15 15 15 (6) 6 6 6 6 (8) 8 8 8 8 (4) 4	(1) 1 1 1 1 (1) 1 1 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	- (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	- (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2	4 4 4 4 4 (5) (5) (5) (5) (5) (6) (6) (4) (4) (4) (4) (4) (2) 2 2 2	56 45 45
Control Colors Delicate Hand Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C W /W H/C (N) C/C (N)	120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 120/130 61/70 95/106 95/106	2 2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2)	3 (3) 3 3 3 3 3 	16 (15) 15 15 15 15 (6) 6 6 6 6 (8) 8 8 8 8 (4) 4	(1) 1 1 1 1 (1) 1 1 1 (1) (1) (1)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2)	4 4 4 4 4 (5) (5) (5) (5) (5) (4) (4) (4) (4) (4) 2 2 2 2 2	56 45 45
Control Colors Delicate Hand Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C W /C W /W H/C (N) C/C W /C W /W H/C (N) C/C W /C W /W H/C (N) C/C W /C W /C	120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 95/106 95/106 120/130 61/70 95/106 120/130	2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2	(3) (3) (3) (3) (3) (3) (3)	16 (15) 15 15 15 15 (6) 6 6 6 (8) 8 8 8 8 (4) 4 4	(1) 1 1 1 1 1 (1) 1 1 1 (1) 1 (1) 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2)	4 4 4 4 4 (5) (5) (5) (5) (5) (4) (4) (4) (4) (4) (2) 2 2 2 2 2	56 45 45
Control Colors Delicate Hand Wash Quick Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N)	120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 95/106 95/106 120/130 61/70 95/105.8 120.2/129.2	2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2	3 (3) 3 3 3 3 3 	16 (15) 15 15 15 15 15 (6) 6 6 6 6 (8) 8 8 8 8 8 4 4 4 4 4 4	(1) 1 1 1 1 1 (1) 1 1 1 (1) 1 (1) 1 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2)	4 4 4 4 4 (5) (5) (5) (5) (5) (4) (4) (4) (4) (4) (2) 2 2 2 2 2 4 4	56 45 45
Control Colors Delicate Hand Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N)	120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 120/130 61/70 95/106 95/106 95/106 95/106 95/106 95/106 95/106 95/106	2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2	(3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	16 (15) 15 15 15 15 (6) 6 6 6 6 (8) 8 8 8 (4) 4 4 4 4 (10)	(1) 1 1 1 1 (1) 1 (1) 1 1 1 1 (1) 1 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	- (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	- (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2)	4 4 4 4 4 4 (5) (5) (5) (5) (5) (4) (4) (4) (4) (4) (2) 2 2 2 2 2 4 4	56 45 45
Control Colors Delicate Hand Wash Quick Wash	H/C (N) C/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C W /C W /W H/C (N) C/C (N) C/C W /C W /W H/C (N) C/C W /C W /W H/C (N) C/C W /C W /W H/C (N) C/C W /C W /C	120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 120/130 61/70 95/106 95/106 95/106 95/106 120/130 61/70 95/105.8 120.2/129.2	2 2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2	3 (3) 3 3 3 3 3 	16 (15) 15 15 15 15 15 (6) 6 6 6 6 (8) 8 8 8 8 8 4 4 4 4 4 4	(1) 1 1 1 1 1 (1) 1 1 1 (1) 1 (1) 1 1 1 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)	2 2 2 2 (2) (2) (2) (2) (2) (2) (2) (2)	4 4 4 4 4 (5) (5) (5) (5) (5) (4) (4) (4) (4) (4) (2) 2 2 2 2 2 4 4	56 45 45

Slide 20 - Removing the Top



Slide 22



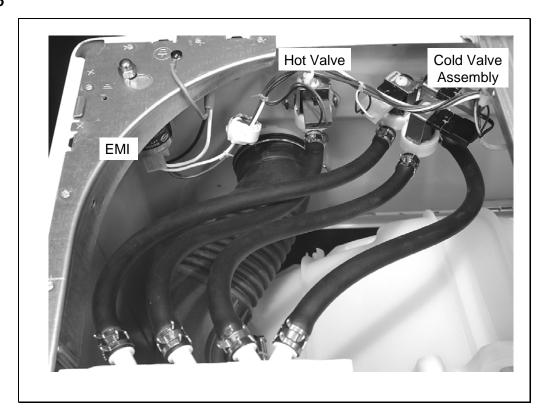


Slide 25

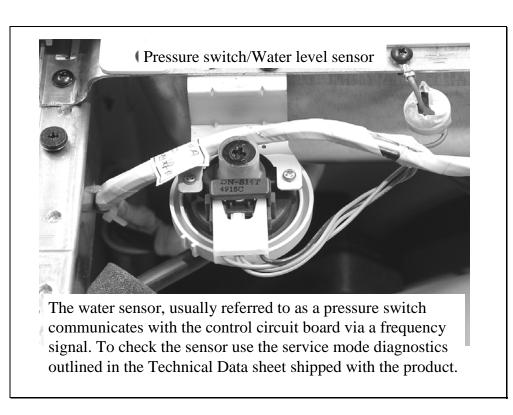
Two hoses attached to the tub vent out the back. The vents are at different heights to promote air circulation through the tub and spinner. Dampers in the vent outlets close in event of oversudsing



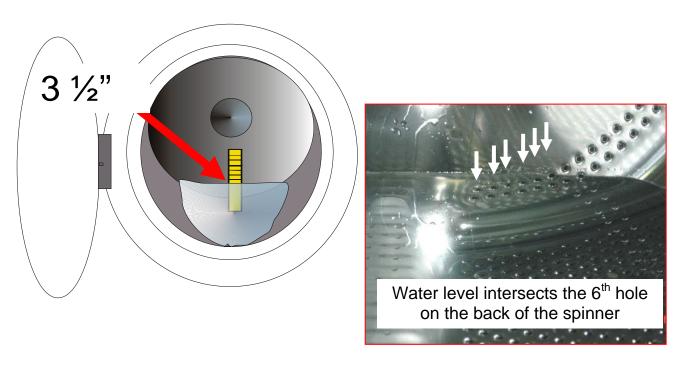
To remove vent flange release the two locking tabs and twist off the vent



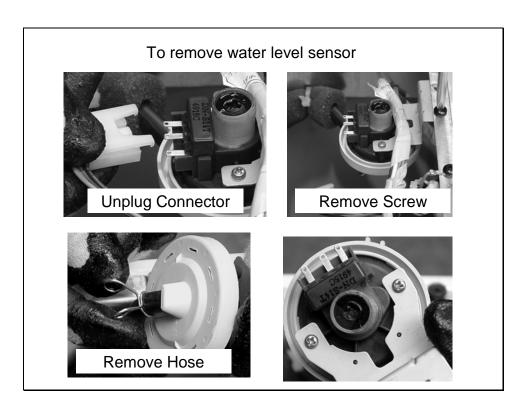
Slide 27 - Water Level Sensor- Pressure Switch



With an empty spinner, select *Normal Wash* and let the unit fill. Measure the depth of the water at the very back of the spinner at the six o'clock position. The water level should be approximately 3 $\frac{1}{2}$ "

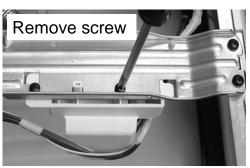


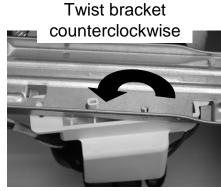
Slide 29



Slide 30 - Reactor

Slide 31







Remove screw and slide reactor out of bracket

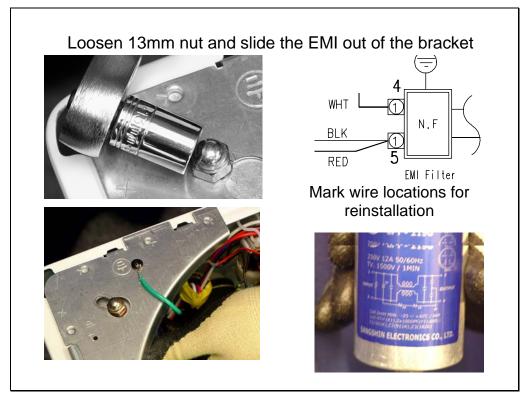


Slide 32

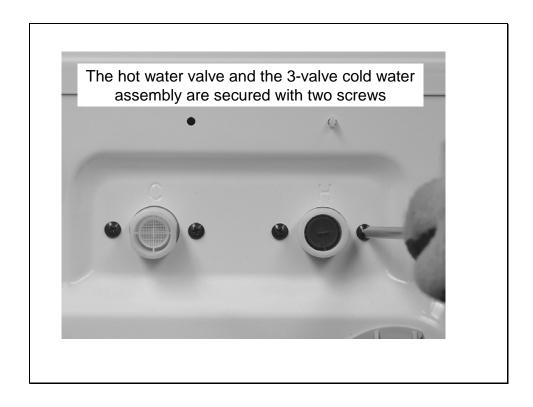
The reactor coil is wired in series with line internally in the control board. An open coil would result in a "dead" board complaint. A resistance check across the coil leads should indicate less than 1 OHM

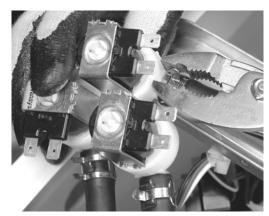


Select normal wash and let the washer fill. Measure the water level at the 6 o'clock position the rear of the spinner. The water level should be approximately 3 ½"

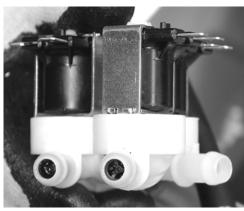


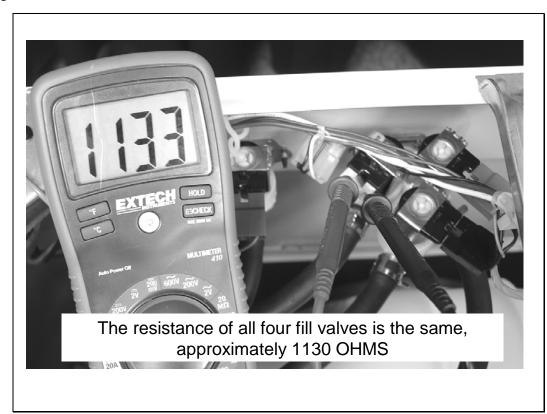
Slide 35 - Water Valves



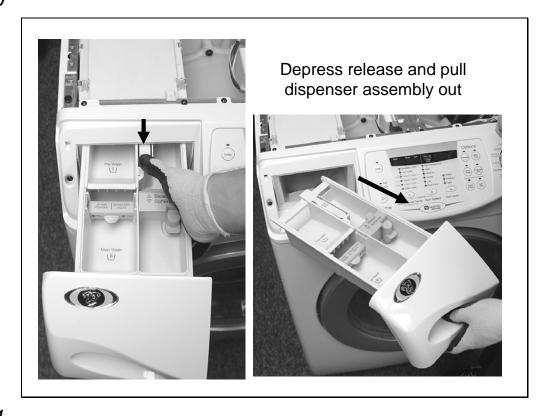


The three valve cold water assembly supplies water for main fill, bleach and fabric softener dispense. The fabric softener and bleach dispense outlets have flow washers, the main fill does not

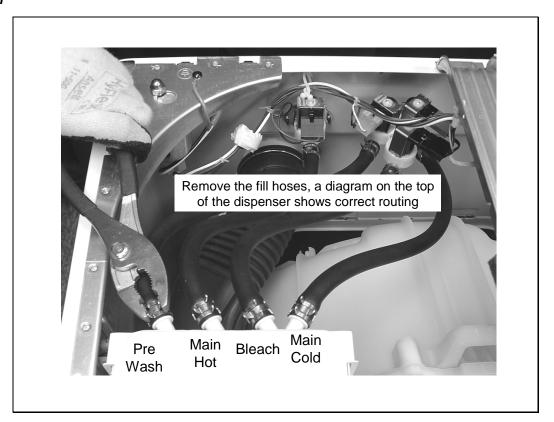




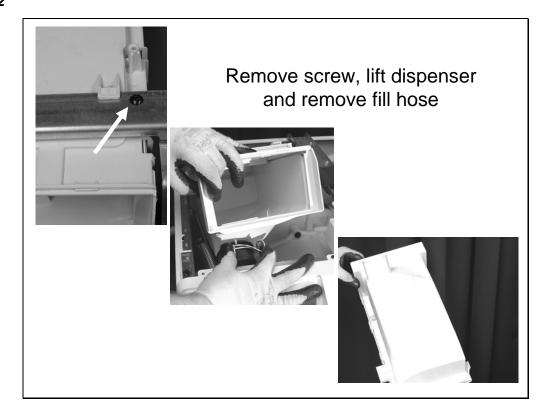
Slide 39 - Dispenser



Slide 41



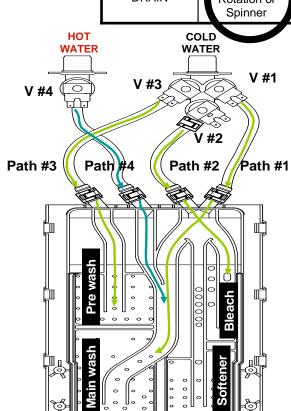
Slide 42



Notes

Water flow through dispenser during Wash fill





First minute of fill with no water in tub (*Reset Level – 25.6 kHz*) Valve #3 opens and cold water flows through path #3 to detergent compartment (Pre wash)

To specified Water Level (Final Water Level) for each cycle 1. If ATC (warm or cold) is selected,

Valves #1 and #4 open as needed to achieve specified water temperature. Cold water flows through path #1 and hot water through path #4 to the detergent compartment

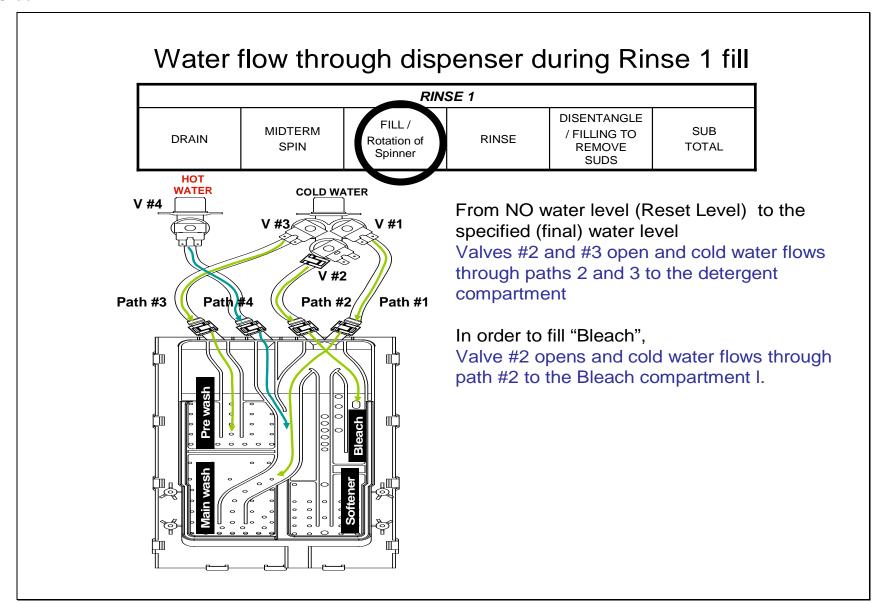
2. If NON-ATC is applied,

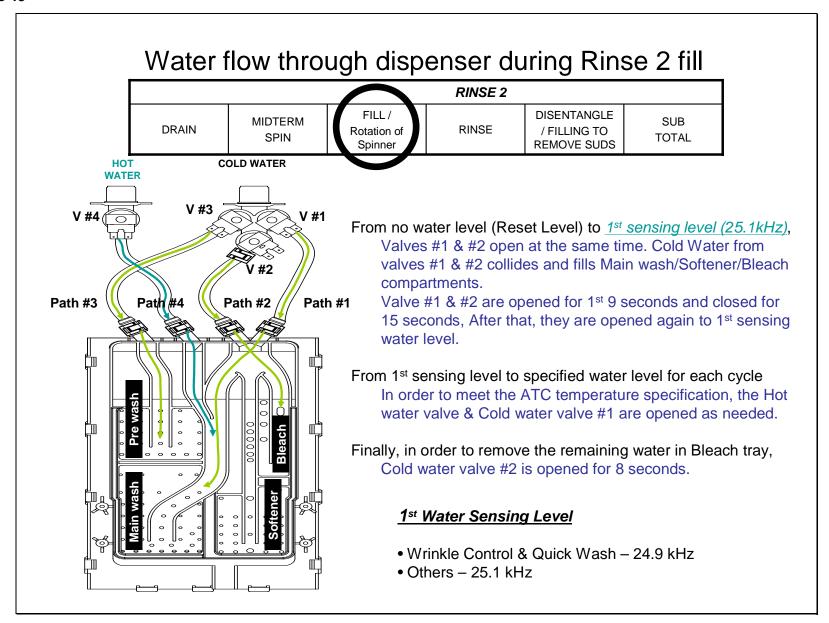
If "HOT wash" is selected, valve #4 opens and water flows through path #4.

If "COLD wash" selected, Valve #1 opens and cold water flows through path #1

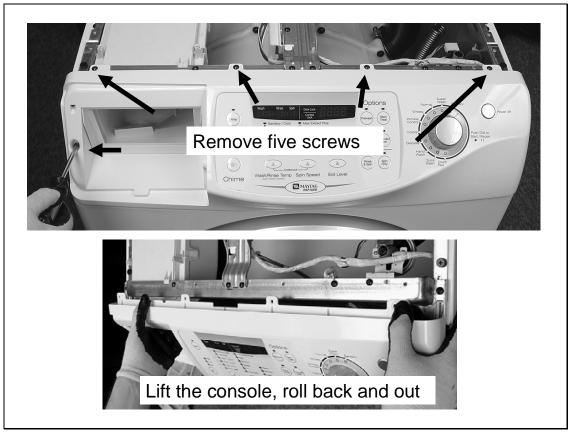
Cold wash and rinse, Non ATC: water temperature shall be tap cold Cold wash, ATC: water temperature of 65°F±10°F Warm wash, ATC: water temperature of 105°F±10°F Warm Rinse, ATC: water temperature of 80°F±10°F for final rinse only, all other rinses will be "tap cold" Hot Wash, Non ATC: water temperature shall be tap hot

Slide 44

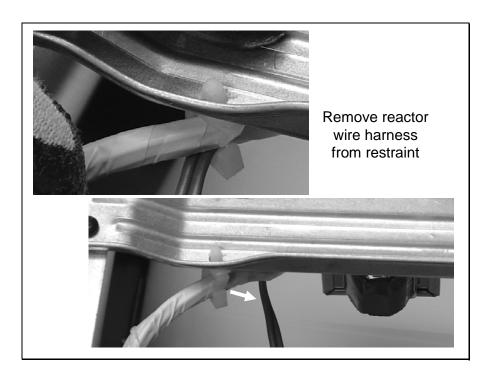




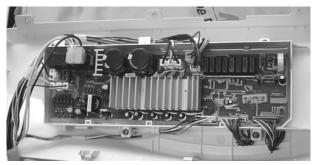
Slide 46 - Removing Console



Slide 48

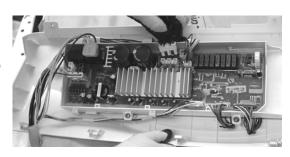




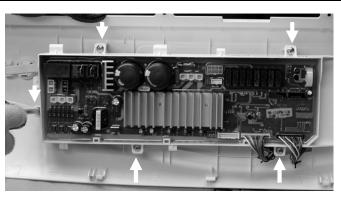


Remove the red two wire reactor harness from the board. This will allow you to position the console to ease disassembly.

Remove the remaining connectors



Slide 50



Remove the 5 screws securing the circuit board to the console and lift off the board assembly.



The "power on" actuating lever and push button are replaceable items. To remove the lever, slide the shaft in either direction and lift out the opposite side. Release the locking tabs on the push button and remove





Slide 52 - Removing Front Panel

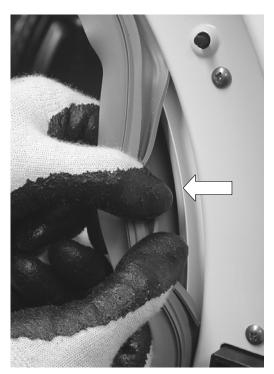
Slide 53





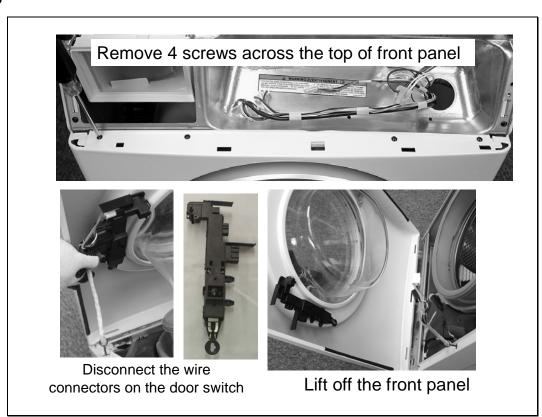
Locate the boot retainer spring (six o'clock position).

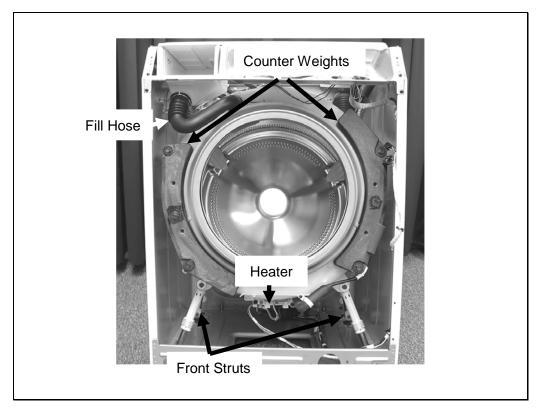
Expand the spring as you work the wire off the gasket



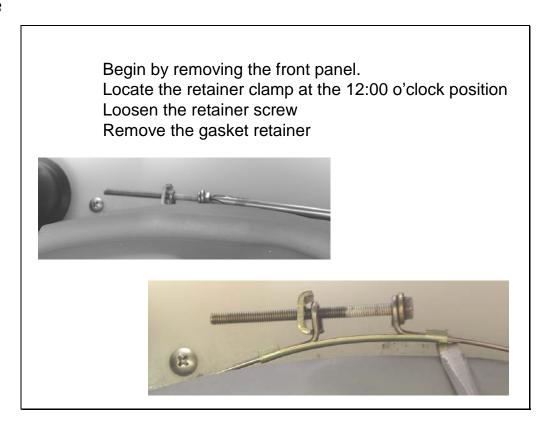
Start at the two o'clock position and pull the gasket off the front panel lip. Push the gasket into the tub



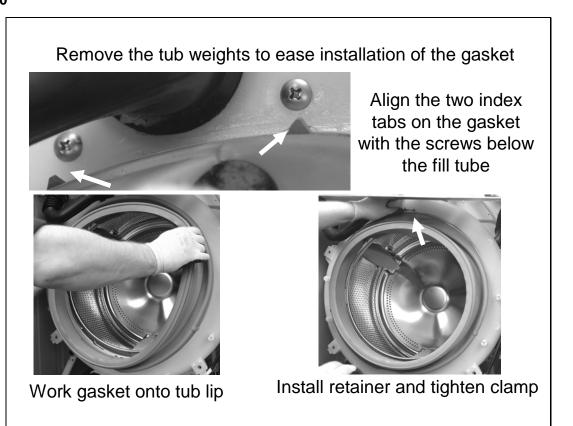




Slide 57 - Removing the Boot Gasket

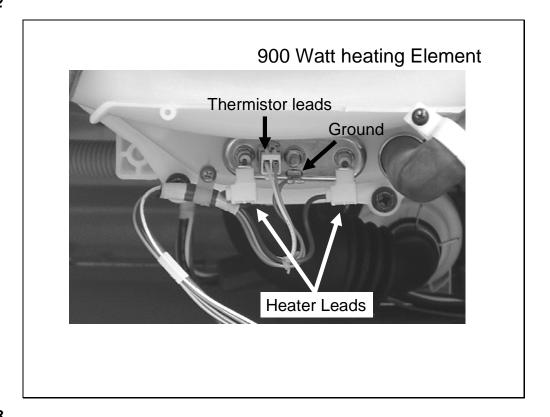


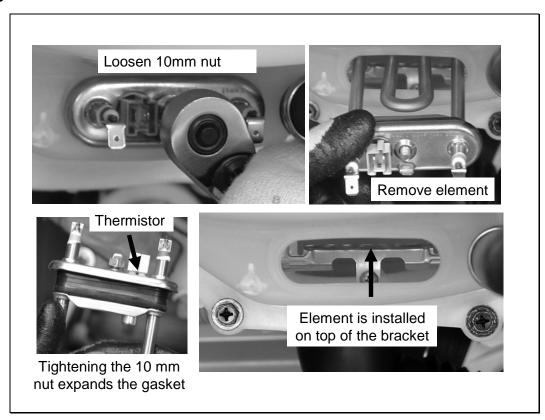




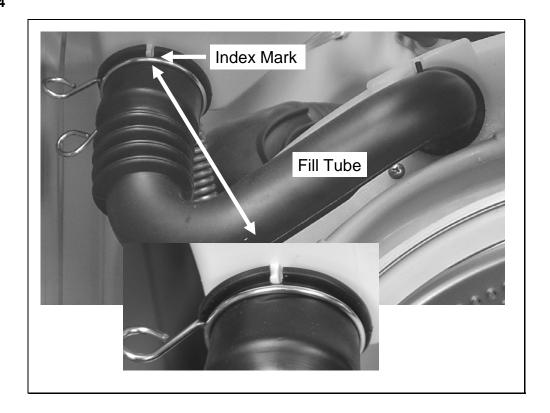
Slide 61 - Heating Element

Slide 62

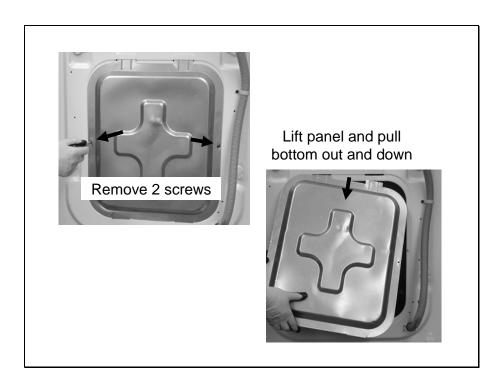


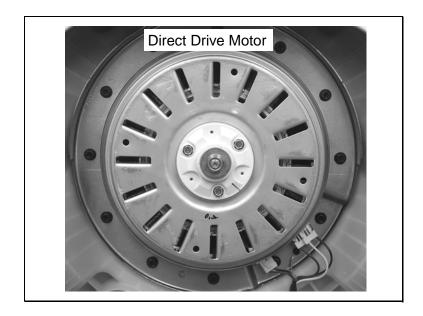


Slide 64



Slide 65 - Motor Removal





Slide 68

Loosen screw on vent hose clamp and



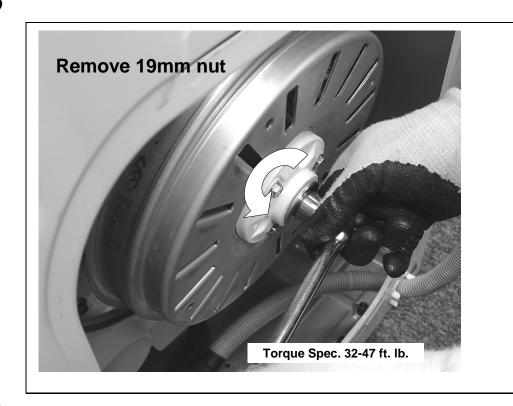
Remove the vent tube and rotate the spinner. Locate one of the three slots in the spinner. Insert a suitable tool to use as a stop. Rotate the spinner in the direction you will be turning the rotor nut until it locks in place

Insert stop

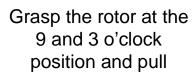


Use a tool with a rubber coated handle to prevent damage

Rotate spinner until spinner is locked in position



Slide 70





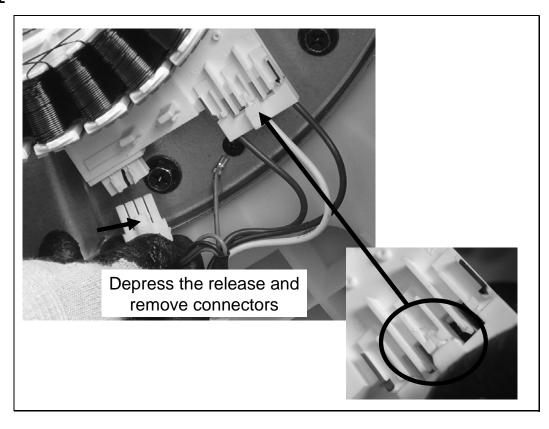
The magnets make the removal of the rotor difficult



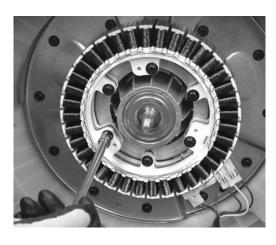
Slide 71



Warning: Do not place fingers between rotor and tub when removing or installing rotor



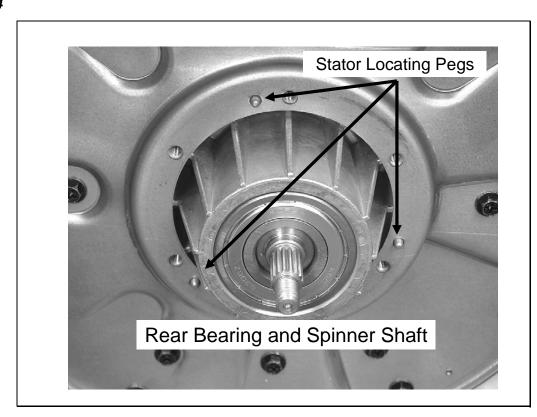
Slide 73



Remove the six 10mm bolts securing stator coil to the tub



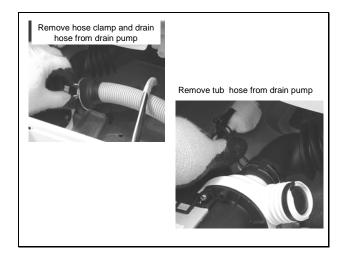
Slide 74



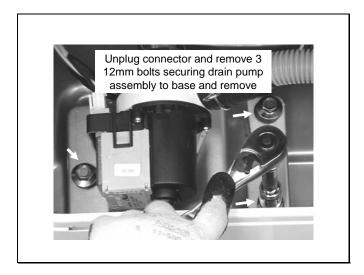
Slide 75 - Drain pump

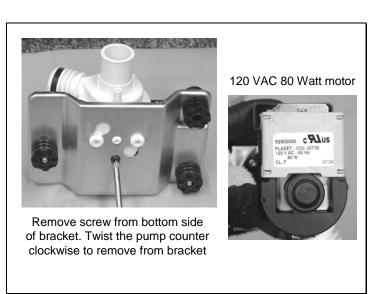
Slide 75 - Drain Pump Removal

Slide 76

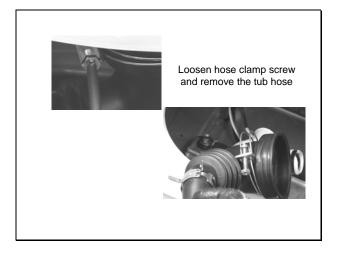


Slide 77

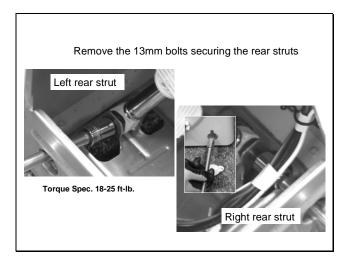


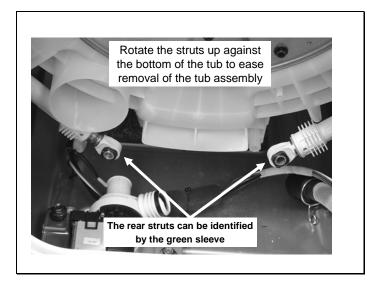


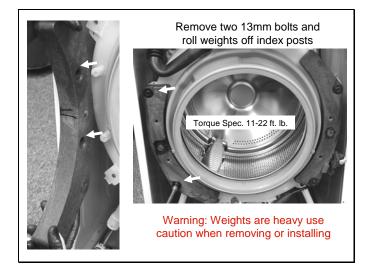
Slide 79 - Removing the tub Slide 80



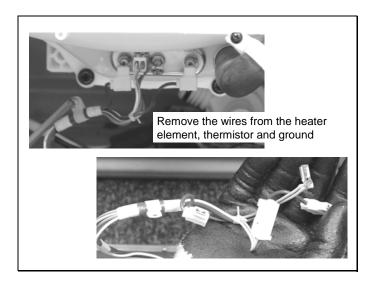
Slide 81

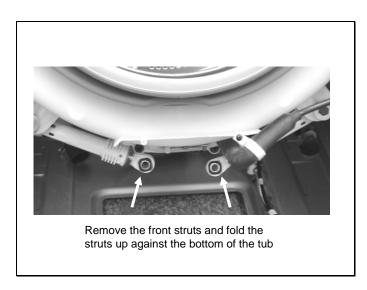


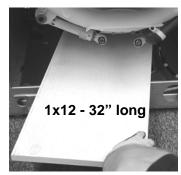




Slide 84





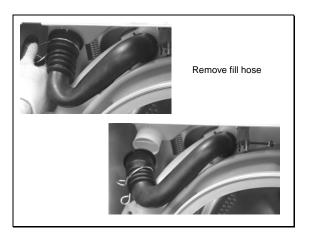


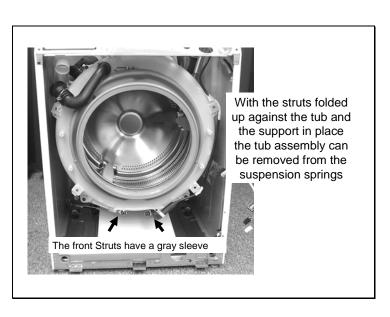
Insert a board or boards across the bottom of the washer frame to use as a support when removing the tub assembly

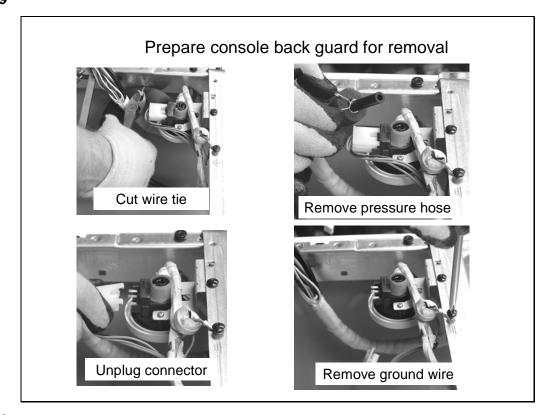


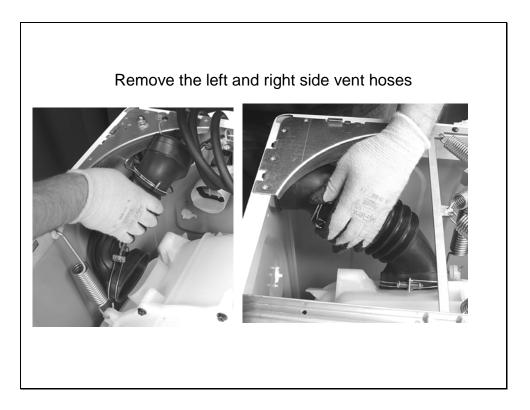
Note: any dimension lumber can be used if it's long and wide enough to support the tub

Slide 87



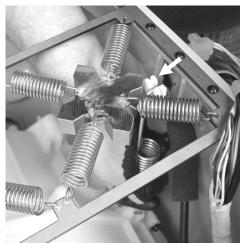






Begin with the suspension spring under the Dynamic Balance. Grasp the tub with one hand and the spring with the other. Lift and remove the spring from the slot in the frame





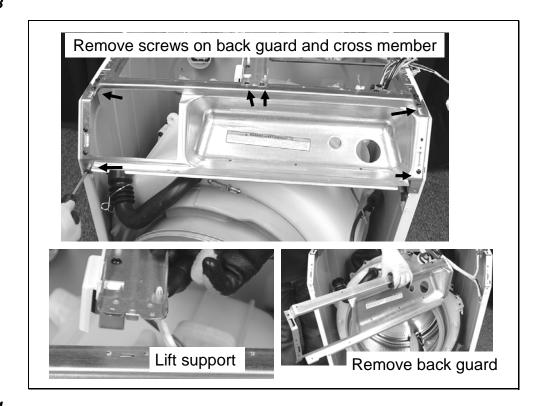
Slide 92



Long end of spring hooks on rail short end hooks to tub

Remove the spring on the opposite side and let tub rest on board support





Slide 94

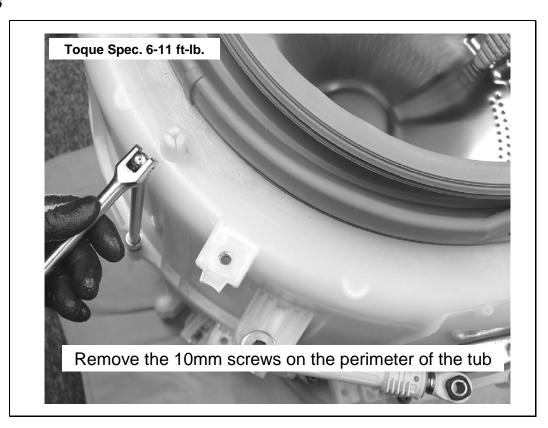


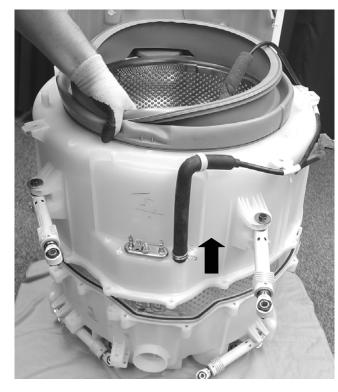
Grasp the front and rear of the tub and slide out.
Use a blanket or rug to protect the floor



Set the tub on the floor.
Position 4" wood blocks or equivalent around the spinner shaft. Roll the tub to the upright position and rest it on the blocks







Separate the front and rear halves of the outer tub

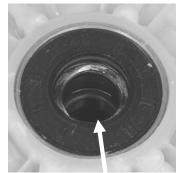
Slide98

There is a gasket between the tub halves

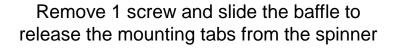




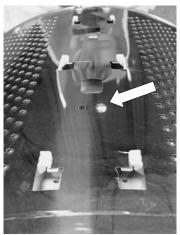




A wave washer is installed between the spinner and seal









Slide 102

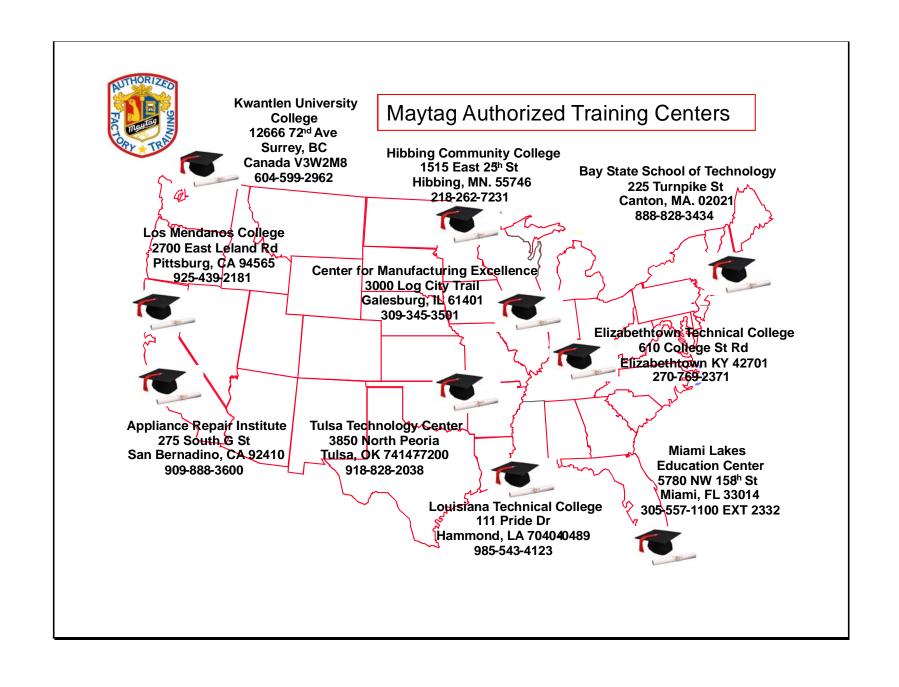
Differences between the 8700 and 9700

Belt drive motor

Weight added to right rear of outer tub

Weight added to back of the outer tub behind pulley

2 less cycles, 1 less option, water temperature setting and spin speed





Be Aware, Be Alert
Always work safely.
On the Job, On the Road, In the Home
Every Time, All the Time

