Index

Applications cleaning, 1-9 Aqueous Alkaline Cleaner, 1-8 **ARC** -- Symbols -and ASE, 4-19 overview, 1-15 50 Hertz Electrical Power **ASE** maintenance and ARC, 4-19 adjust belt tension, 7-34 blower motor, 1-22 general, 7-35 maintenance, 5-20 verify sheave alignment, 7-35 overview, 1-14 option, 7-34 timer, 4-19 problems, 7-36 troubleshooting, 6-17 7-Day Clock, 1-21 Automatic Pressure Equalization (APE) & clean machine, 7-13 one-pump system, 1-23 & filter pump, 7-40 setting timer & oil skimmer, 7-61 cycling test, 2-45 & sludge scraper, 7-80 washer operation, 1-22 & heating system, 1-23 Automatic Rinse System (ARC) & options, 4-18 and ASE, 4-19 initializing, 2-51 controlling, 4-12 operator controls, 1-20, 3-3 overview, 1-15 setting, 4-17 Automatic Steam Exhaust (ASE) and ARC, 4-19 blower motor, 1-22 maintenance, 5-20 -- A -overview, 1-14 setting timer, 4-19 testing cycle, 4-20 Accessories timer, 4-19 unpacking, 2-9 troubleshooting, 6-17 Air Intake Automatic Turntable/Swivel Bearings burner Lubrication maintenance, 5-13 option, 7-3 **Amperage** cycling test, 2-46 Amperage Draw maintenance, 5-9 -- B -monitoring, 4-22 Anchoring power washer, 2-13 Bag Filters APE Timer, 1-22 optional type, 7-38 cycling test in power-up, 2-45 Barometric Damper startup, 1-23 flue pipe configuration, 2-31

Bearings	cleaning results, 1-8
optional remote greasing, 7-74	concentration, 4-5
turntable	and foaming, 4-7
maintenance, 5-17	and supersaturation, 4-8
turntable door	maintenance, 5-21
maintenance, 5-19	conductivity test, 4-6
Belts	corrosion prevention, 4-3
v-belt drive, 7-34	general, 4-3
Blower Motor	granular, charging, 2-48
Ase, 1-22	liquid, charging, 2-50
BTU	maintaining concentration, 4-6
180,000, 2-16	monitoring concentration, 4-6
400,000, 2-17	selecting, 4-4
800,000, 2-17	titration test, 4-6
Burner Blower Motor	Chemical Concentration
maintenance, 5-13	maintenance, 5-21
Burner, Combustion	mix ratio
180,000 BTU, 2-16	rinse option, 4-13
400,000 BTU, 2-17	rinse injector, 4-13
800,000 BTU, 2-17	Chemical Concentration Controller
placement planning, 2-3	maintenance
1 37	peristaltic pump, 7-30
	sludge clean-out, 7-30
	option, 7-25
C	Chemical-Charging Procedure
0	startup, 2-48
	Chemical-Concentration Management,
Cabinet	Chemical-Concentration Management, 4-3
Cabinet construction, 1-5	
	4-3
construction, 1-5	4-3 Clean Machine
construction, 1-5 Carbon Dioxide	4-3 Clean Machine & 7-day clock, 7-13
construction, 1-5 Carbon Dioxide combustion burner, 2-31	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock,
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7 soil types, 1-9
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive sludge scraper	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive sludge scraper tension, 7-81	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7 soil types, 1-9 temperature, 1-8, 4-11
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive sludge scraper tension, 7-81 Chain, Tension of	4-3 Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7 soil types, 1-9 temperature, 1-8, 4-11 theory, 1-6
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive sludge scraper tension, 7-81 Chain, Tension of sludge scraper, 7-81	Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7 soil types, 1-9 temperature, 1-8, 4-11 theory, 1-6 time, 1-10 Clock-Override Switch
construction, 1-5 Carbon Dioxide combustion burner, 2-31 Carbon Monoxide combustion burner, 2-31 Cartridge Filters optional type, 7-38 Center Manifold maintenance Teflon bearing plates, 7-22 option, 7-18 Centering load on turntable, 3-9, 3-12 Chain, Drag sludge scraper, 7-78 tension, 7-81 Chain, Drive sludge scraper tension, 7-81 Chain, Tension of sludge scraper, 7-81 Charging	Clean Machine & 7-day clock, 7-13 setting the 7-day dual-circuit clock, 4-17, 4-18 Clean, To definition, 1-6 Cleaning ineffective, 6-4 Cleaning Cycle actual wash time, 3-11 continuous, 3-14 standard, 3-5 verifying function, 3-12 Cleaning Results chemical, 1-8 grit blasting, 1-7 power, 1-7 soil types, 1-9 temperature, 1-8, 4-11 theory, 1-6 time, 1-10

Closed-Loop System	latch, 3-7, 3-10, 3-13
power, 1-7	limit switch
Closing	problems, 6-15
door, 3-10	locking, 3-10
Combustion Air	opening, 3-7
national gas fuel code, 2-3	after a cycle, 3-13
placement planning, 2-3	position lock, 3-8, 3-10, 3-13
power washer, 2-3	power-assisted, 7-63
Components	securing, 3-8, 3-13
major washer controls, 1-21	Door Limit Switch
of power washer, 1-2	troubleshooting, 6-15
Compressed Air	Door-Limit Safety Switch, 1-23
connection, 2-22	Door-Mounted Turntable
Conductivity, 7-25	overview, 1-13
Conductivity Test	Draft Hood
chemical, 4-6	flue pipe configuration, 2-31
maintenance, 5-22	Draft Inducer
Contaminants	flue pipe configuration, 2-31
removing from solution, 7-60, 7-78	Drag Chain
Continuous Operation	sludge scraper, 7-78
of washer, 3-14	tension, 7-81
Control Panel	Drain
filter pump selector switch, 7-40	connection, 2-33
options, 3-3	Drive Chain
sludge scraper selector switch, 7-80	sludge scraper
Control Voltage	tension, 7-81
power-up procedure, 2-41	Duplex Pump
Corrosion	Duplex Pump startup, 1-23
Corrosion chemical solution, 4-3, 4-4	·
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23	·
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9	startup, 1-23
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13	·
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings	startup, 1-23
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump	startup, 1-23
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12	startup, 1-23 E Earthground
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test	startup, 1-23 E Earthground galvanic corrosion, 2-23
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45	startup, 1-23 E Earthground galvanic corrosion, 2-23 Earthground, Corrosion
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test	startup, 1-23 E Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45	earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45	earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45	earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45	earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices	earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices securing parts, 3-9	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 D Devices securing parts, 3-9 Diaphragm Seal	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices securing parts, 3-9 Diaphragm Seal pump pressure gauge assembly, 7-	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards overview, 1-5
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices securing parts, 3-9 Diaphragm Seal pump pressure gauge assembly, 7-66, 7-68	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards overview, 1-5 Electricity
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices securing parts, 3-9 Diaphragm Seal pump pressure gauge assembly, 7-66, 7-68 Documentation	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards overview, 1-5 Electricity connection, 2-24
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 D Devices securing parts, 3-9 Diaphragm Seal pump pressure gauge assembly, 7-66, 7-68 Documentation unpacking, 2-9	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards overview, 1-5 Electricity
Corrosion chemical solution, 4-3, 4-4 galvanic, 2-23 Corrosion Inhibitor, 1-9 rinse injector, 4-13 Couplings wash pump maintenance, 5-12 Cycling Test APE timer, 2-45 power-up procedure, 2-45 Devices securing parts, 3-9 Diaphragm Seal pump pressure gauge assembly, 7-66, 7-68 Documentation	Earthground galvanic corrosion, 2-23 Earthground, Corrosion placement planning, 2-3 Electric heat source, 2-20 heating system overview, 1-16 Electrical Connections inspection, 2-36 Electrical Control System troubleshooting, 6-18 Electrical Schematics, 1-23 Electrical Standards overview, 1-5 Electricity connection, 2-24

Electrolytes, 7-25	Frequency Drive
Expert Help	option, 7-42
installation, 2-1	results, 7-43
	FSP
	field startup procedure form, 2-10
F	
	_
Falsa Flaga	G
False Floor	
option, 7-32	Calvania Carragian 2 22
Field Startup Procedure (FSP) Form	Galvanic Corrosion, 2-23
unpacking, 2-9	Gas
using, 2-10 Fifty (50) Hertz Electrical Power	heat source, 2-15
option	heating system overview, 1-16 Glycerin
See "50 Hertz Electrical Power",	pump pressure gauge option, 7-66,
7-34	7-68
Filter Housings	Granular Chemical
for optional filters, 7-38	charging, 2-48
Filter Pump	Grit Blasting
& 7-day clock, 7-40	power, 1-7
selector switch, 7-40	Grounding
timer, 7-40	for electricity (input), 2-23
Filters	power washer
maintenance	for electricity (input), 2-23
filter elements, 7-41	Grounding, Electrical
option, 7-38	placement planning, 2-3
system configurations, 7-39	
Fixtures	
securing parts, 3-9	
Float Assembly	H
adjusting, 5-15	
maintenance, 5-14	l la at
Float System	Heat
See "Water-Level Control System",	hot-air blow-off option, 7-46
1-17, 5-14	Heat (Electric)
Floor	power-up procedure, 2-45 Heat (Gas)
placement planning, 2-3 Flue Pipe	power-up procedure, 2-42
carbon dioxide, 2-31	Heat (Oil)
carbon monoxide, 2-31	power-up procedure, 2-45
configurations, 2-31	Heat (Steam)
connection, 2-31	power-up procedure, 2-45
construction of, 2-31	Heat Exchanger
oxygen, 2-31	& water level, 1-17
placement planning, 2-2	Heat Exchanger/Suction Tube
roof clearance, 2-2	maintenance, 5-25
termination location, 2-32	Heat Source
Foaming	electric, 2-20
chemical, 4-7	gas and oil, 2-15
problems, 6-12	steam, 2-20
troubleshooting, 6-12	

Heating	
of washer	
setting the 7-day dual-circuit	
clock, 4-17	L
Heating Elements	
maintenance, 5-26	Latah
Heating System	Latch
& water level, 1-17	door, 3-7, 3-10, 3-13
and 7-day clock, 1-23	Leveling power washer, 2-11
and water system, 1-23	Lifting
maintenance, 5-13 overview, 1-16	power washer, 2-6
problems, 6-8	Limit Switches
troubleshooting, 6-8	position, changing, 5-16
High	Liquid Chemical
water level, 1-17	charging, 2-50
Hot-Air Blow-Off (HABO)	Load
maintenance	centering on turntable, 3-9, 3-12
blower motor, 7-52	Loading
electric heating coils, 7-52	parts, 3-9
option, 7-45	with jib crane, 7-57
steam-exhaust fan, 7-45	with rack & fixture set, 7-72
Hour Meter	with small-parts basket, 7-72
operator controls, 1-20, 3-3	Locking
Housings, Filter	door, 3-10
for optional filters, 7-38	Low
	water level, 1-17
	•
	Lower Limit Switch
	Lower Limit Switch water-level control, 1-19
	Lower Limit Switch water-level control, 1-19 Low-Low
1	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17
•	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication
Impact Pressure	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36
Impact Pressure power, 1-7	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication
Impact Pressure power, 1-7 Ineffective Cleaning	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 J Jib Crane	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 Jib Crane maintenance	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9 Micron-Rating
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 Jib Crane maintenance bronze washer, 7-59	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9 Micron-Rating of filters, 7-38
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 Jib Crane maintenance bronze washer, 7-59 yearly inspection list, 7-59	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9 Micron-Rating of filters, 7-38 Microns
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 J Jib Crane maintenance bronze washer, 7-59 yearly inspection list, 7-59 option, 7-54	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9 Micron-Rating of filters, 7-38 Microns comparisions, 7-39
Impact Pressure power, 1-7 Ineffective Cleaning troubleshooting, 6-4 Inspection connections, 2-34 electrical connections, 2-36 power washer, 1-24 Jib Crane maintenance bronze washer, 7-59 yearly inspection list, 7-59	Lower Limit Switch water-level control, 1-19 Low-Low water level, 1-17 Lubrication installation, 2-36 monitoring, 4-21 M Maintenance placement planning, 2-2 service schedule, 5-3 Makeup Water and rinse system, 1-23 Manuals unpacking, 2-9 Micron-Rating of filters, 7-38 Microns

rinse option, 4-13	Options
Monitoring	50 hertz electrical power, 7-34
amperage draw, 4-22	7-day dual-circuit clock, 4-18
nozzles, 4-22	and 7-day clock, 4-18
pump intake filter, 4-22	automatic turntable/swivel bearings
sludge build-up, 4-22, 5-24	lubrication, 7-3
Monitoring Schedule	center manifold, 7-18
establishing, 4-21	chemical concentration controller, 7-
Moving	25
power washer, 2-6	clean machine, 7-1
	control panel, 3-3
	false floor, 7-32
	filters, 7-38
N	frequency drive, 7-42
	hot-air blow-off (habo), 7-45
	installation of, 2-33
National Gas Fuel Code	jib crane, 7-54
combustion air, 2-3	maintenance, 5-28
Nozzles	oil skimmer, 7-60
eductor, 7-39	others you have purchased, 7-1
monitoring, 4-22	placement planning, 2-3
overview, 1-12	power-assisted door, 7-63
pbm	pump pressure control valve &
maintenance, 5-6	gauge, 7-66
placement, 1-13 problems, 6-11	pump pressure gauge, 7-68
rinse system, 4-13	rack and fixture set, 7-70
troubleshooting, 6-11	remote grease fittings, 7-74 rinse wand, 7-75
troublesmooting, 0-11	short high impact manifold (SHIM)
	system 7-84
	sludge scraper, 7-78
O	small-parts basket, 7-70
0	Oscillation
	power blast manifold (pbm), 1-13
Oil	Overhead (Piping)
heat source, 2-15	placement planning, 2-2
Oil Skimmer	Oxygen
& 7-day clock, 7-61	combustion burner, 2-31
maintenance	
motor, 7-62	
wheel & frame, 7-62	
option, 7-60	P
setting the 7-day dual-circuit clock,	•
4-17, 4-18	
Opening	Parts
door	loading, 3-9
after a cycle, 3-13	securing, 3-9
Operation	unloading, 3-13
theory of, 1-6	PBM
Operations Access	nozzles
placement planning, 2-2	maintenance, 5-6
Operator Controls power washer, 1-20	overview, 1-12
DOWER WASHER 1-70	problems, 6-13

swivel jam nut	filter/regulator/lubricator unit, 7-
maintenance, 5-8	65
PBM Swivel Joint	option, 7-63
maintenance, 5-5, 5-9	Power-Up Procedure
PBM Upper Bearing	startup, 2-37
maintenance, 5-5, 5-9	Preliminary Checks
pH	power-up procedure, 2-37
chemical solution, 4-3, 4-4	Pressure
Placement	adjusting, 7-66
power washer, 2-8	Pressure, Impact
Placement Planning, 2-2	power, 1-7
Plenum	Problems
hot-air blow-off	during startup, 2-52
inside, 7-49	sludge scraper, 7-83
outside, 7-49	Pulley
Pores	v-belt drive, 7-34
filters, 7-38	Pump
Position Lock	filter, 7-39
door, 3-8, 3-10, 3-13	peristaltic, 7-26
Power	wash, 1-22
cleaning results, 1-7	and optional filters, 7-39
closed-loop system, 1-7	and startup, 1-23
Power Blast Manifold (PBM)	maintenance, 5-10
maintenance, 5-5, 5-6, 5-8, 5-9	problems, 6-5
overview, 1-12	Pump Intake Filter
problems, 6-13	monitoring, 4-22
troubleshooting, 6-13	Pump Pressure Control Valve & Gauge
Power Washer	option, 7-66
anchoring, 2-13	Pump Pressure Gauge
charging with chemical, 4-9	option, 7-68
closed-loop, 1-7	Pump Suction Filter Screen
combustion air, 2-3	& water level, 1-17
components, 1-2	Pumping System
grounding	overview, 1-12
for electricity (input), 2-23	
how it works, 1-6	
inspection, 1-24	_
interdependent system features, 1-	R
23	
leveling, 2-11	Rack and Fixture Set
lifting and moving, 2-6	
major control components, 1-21	option, 7-70 Regulator, Water
operator controls, 1-20	•
placement, 2-8	rinse system
power-up (installation), 2-37	adjusting, 4-16
sequence of operation, 1-22	Relay wash/rinse, 1-22
starting, 3-12	Remote Grease Fittings
startup procedure, 2-35	option, 7-74
unpacking, 2-9 verifying correct function, 3-12	Rinse Cycle
Power-Assisted Door	and temperature, 4-12
maintenance	time of, adjusting, 4-12
manitoriano	o., adjuding, 1-12

Rinse Cycle Timer	Sequestrant, 1-9
setting, 3-11	Service Access
Rinse Injector	placement planning, 2-2
adjusting chemical concentration, 4-	Service Schedule, 5-3
13	and monitoring, 4-21
corrosion inhibitor, 4-13	Services By Others (SBO)
priming during startup, 2-51	installation, 2-2
Rinse Off/Auto	Set-Point
operator controls, 1-20, 3-3	water level, 1-17
Rinse System	Seven-Day Clock, 1-21
control, 4-12	& clean machine, 7-13
makeup water, 1-23	& filter pump, 7-40
optional, 1-22	& oil skimmer, 7-61
regulator	& sludge scraper, 7-80
	·
adjusting, 4-16	and heating system, 1-23
startup, 2-51	and options, 4-18
troubleshooting, 6-16	setting, 4-17
water-flow adjustment, 4-16	Seven-Day Dual-Circuit Clock
Rinse Timer	operator controls, 1-20, 3-3
setting, 4-12	Sheave
Rinse Wand	v-belt drive, 7-34
option, 7-75	verifying alignment, 7-35
Rinse Water	Siemen
accumulation of, 1-18	measuring conductivity, 7-25
auto steam exhaust (ase), 1-14	Single Pump
rinse-bank, 1-18	startup, 1-23
Rinse-Bank	Skimmer, Oil
water level, 1-17, 1-18	option (see "Oil Skimmer"), 7-60
Roof (Piping)	Slip Clutch
placement planning, 2-2	turntable drive system, 1-14
Route	Slip Clutch/Torque Limiter
placement planning, 2-2	maintenance, 5-17
1 0	Sludge
	clean-out, 5-25
	monitoring, 4-22, 5-24
S	Sludge Scraper
3	& 7-day clock, 7-80
	maintenance
SBO	chain tension, 7-81
services by others letter, 2-2	option, 7-78
Schematics	problems, 7-83
electrical, 1-23	selector switch, 7-80
Scraper, Sludge	•
option (see "Sludge Scraper"), 7-78	timer, 7-80 Small-Parts Basket
• • • • • • • • • • • • • • • • • • • •	
Securing	option, 7-70
devices, 3-9	Soils
door, 3-8, 3-13	and foaming, 4-8
parts, 3-9	removal of types, 1-9
parts with fixtures, 3-9	selecting chemical, 4-4
Sequence of Operation	Solution
power washer, 1-22	foaming of, 4-7
	pH, 4-3, 4-4
	supersaturation of, 4-8

Solution-Level Control System	guidelines, 4-11
troubleshooting, 6-14 Start	power-up procedure, 2-45
button, 3-12	verifying wash t., 3-10 Time
Start/Cycle Light	actual wash time, 3-11
operator controls, 1-20, 3-3	cleaning results, 1-10
Starting	Timer
•	
power washer, 3-12 Startup	ape (single pump), 1-22, 1-23 automatic steam exhaust (ase), 4-19
and wash pump, 1-23	filter pump, 7-40
chemical-charging procedure, 2-48	setting APE t.
duplex pump, 1-23	cycling test, 2-45
electrical connections inspection, 2-	setting ASE t., 4-19
36	setting AGE t., 4-13
initializing 7-day clock, 2-51	setting rinse t., 4-12
installation procedure, 2-35	setting wash-cycle t., 3-11
lubrication procedure, 2-36	sludge scraper, 7-80
power-up procedure, 2-37	wash cycle
problems, 2-52	operator controls, 1-20, 3-3
single pump, 1-23	wash-delay (duplex pump), 1-22, 1-
troubleshooting, 6-3	23
Steam	Titration Test
auto rinse cycle (arc), 1-15	chemical, 4-6
auto steam exhaust (ase), 1-14	maintenance, 5-21
heat source, 2-20	Troubleshooting
heating system overview, 1-16	automatic steam exhaust (ase), 6-17
Steam Exhaust	door limit switch, 6-15
connection, 2-25	electrical control system, 6-18
Steam-Exhaust Fan	foaming, 6-12
connection, 2-28	heating system, 6-8
hot-air blow-off (habo), 7-45	ineffective cleaning, 6-4
Steam-Exhaust Pipe	nozzles, 6-11
connection, 2-26	power blast manifold (pbm), 6-13
Stop	rinse system, 6-16
operator controls, 1-20, 3-3	solution-level control system, 6-14
Supersaturation	startup problems, 6-3
chemical, 4-8	turntable drive, 6-10
Supply Voltage	wash pump system, 6-5
power-up procedure, 2-37	TTBL (Turntable) Jog
Surfactant, 1-9	operator controls, 1-20, 3-3
	Turntable
	bearings
	maintenance, 5-17
T	centering load, 3-9, 3-12
•	door bearings
	maintenance, 5-19
Temperature	slip clutch/torque limiter
adjusting, 4-10	maintenance, 5-17
and foaming, 4-8	Turntable (TTBL) Jog
and rinse cycle, 4-12	operator controls, 1-20, 3-3
checking for operations, 3-5	Turntable Drive
cleaning results, 1-8	problems, 6-10
controller, 4-10, 4-12	troubleshooting, 6-10

Turntable Drive System	maintenance, 5-10
overview, 1-14	problems, 6-5
Turntable, Door-Mounted	troubleshooting, 6-5
overview, 1-13	Wash Pump Intake Filter
overview, 1 10	maintenance, 5-4
	•
	Wash Pump Motor
	maintenance, 5-10
U	Wash/Rinse Relay, 1-22
	Wash-Cycle Timer
	setting, 3-11
Unloading	Wash-Delay Timer, 1-22
parts, 3-13	startup, 1-23
with jib crane, 7-58	Water
Unpacking	connection, 2-21
power washer, 2-9	solution-level control system
Usage	problems, 6-14
water-based cleaner, 1-10	Water Flow
Utilities	
	adjusting, 7-66
connecting, 2-14	Water Hammer
input, 2-15	cycling test, 2-46
output, 2-25	wash pump startup, 1-23
placement planning, 2-3	Water Level
verifying connections, 2-34	control system, 1-19
	high, 1-17
	low, 1-17
	low-low, 1-17
V	positions 1-19
V	positions, 1-19
V	rinse-bank, 1-17, 1-18
-	rinse-bank, 1-17, 1-18 set-point, 1-17
V-Belt Drive	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator
V-Belt Drive 50 hertz electrical power option, 7-	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system
V-Belt Drive 50 hertz electrical power option, 7- 34	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump & water level, 1-17	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System maintenance, 5-14
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump & water level, 1-17 amperage draw, 5-9	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System maintenance, 5-14 overview, 1-17
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump & water level, 1-17 amperage draw, 5-9 and startup, 1-23	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System maintenance, 5-14
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump & water level, 1-17 amperage draw, 5-9 and startup, 1-23 couplings	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System maintenance, 5-14 overview, 1-17
V-Belt Drive 50 hertz electrical power option, 7- 34 Vendor Cut Sheets unpacking, 2-9 Verification connections, 2-34 Voltage maintenance, 5-23 W Wash Cycle Timer operator controls, 1-20, 3-3 Wash Pump & water level, 1-17 amperage draw, 5-9 and startup, 1-23	rinse-bank, 1-17, 1-18 set-point, 1-17 Water Regulator rinse system adjusting, 4-16 Water Solenoid Valves maintenance, 5-16 Water System and heating system, 1-23 Water-Based Cleaner, 1-8 Water-Fill of washer setting the 7-day dual-circuit clock, 4-17 power-up procedure, 2-38 Water-Fill System rinse-bank, 1-18 Water-Flow Adjustment rinse option, 4-16 Water-Level Control System maintenance, 5-14 overview, 1-17 WCI