



# Section 11:

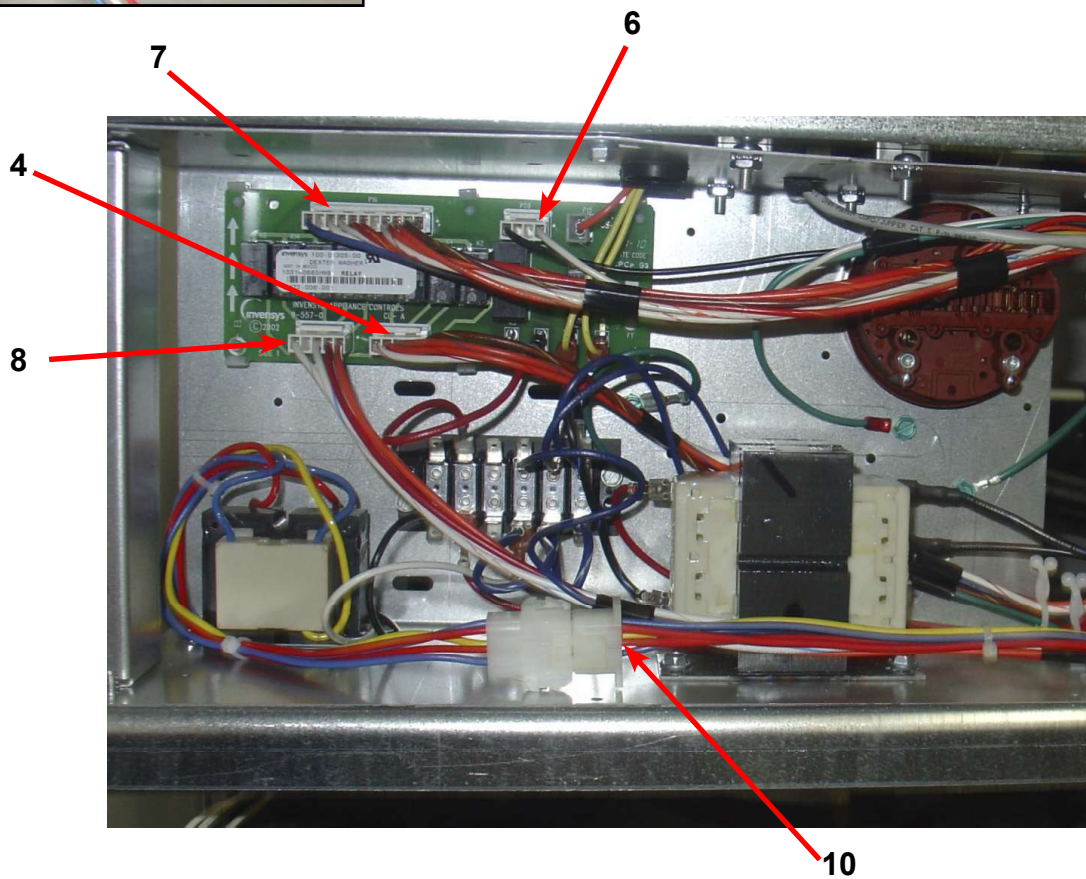
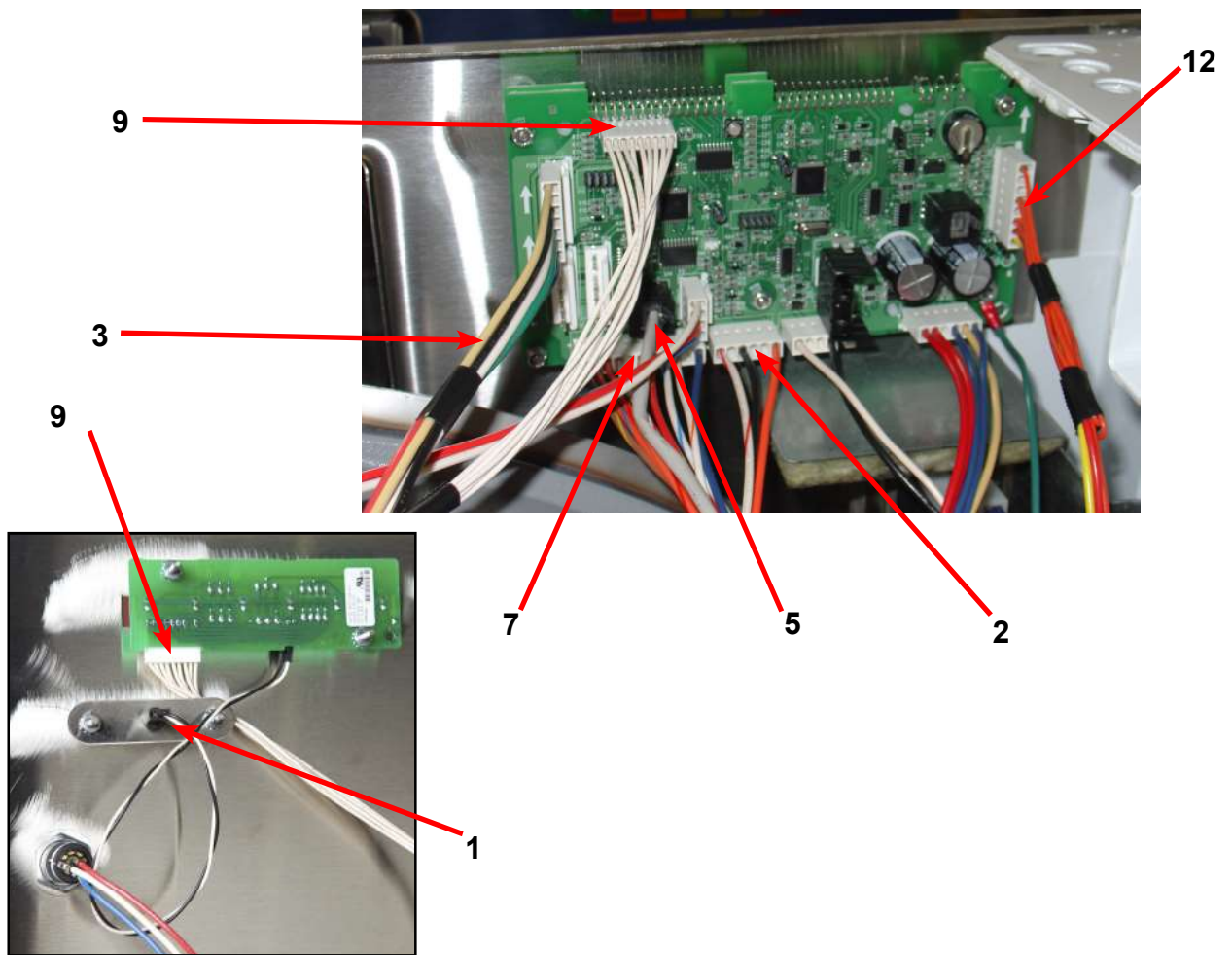
## Washer Parts

## SWD OPL V-Series Accessories

| Key | Description                                                             | Part Number  | Qty |
|-----|-------------------------------------------------------------------------|--------------|-----|
| *   | Mounting Base 4"                                                        | 9945-110-001 | 1   |
| *   | Mounting Base 6"                                                        | 9945-111-001 | 1   |
| *   | Bevel Washer for 5/8" bolt used in installations using angle iron bases | 8641-586-002 | 4   |
| *   | Bevel Washer for 3/4" bolt used in installations using angle iron bases | 8641-586-003 | 4   |
| *   | Kit, Door Gasket Expander (large)                                       | 9732-139-002 | 1   |
| *   | Kit, Door Gasket Expander (small)                                       | 9732-139-001 | 1   |
| *   | Hose, Water Supply 3/8" I.D. x 48"                                      | 9990-027-011 | 2   |
| *   | Washer, Inlet Hose (furnished)                                          | 8641-242-000 | 1   |
| *   | Strainer, Inlet Hose (furnished)                                        | 9565-003-001 | 1   |
| *   | Sealing compound                                                        | 8538-151-001 | 1   |
| *   | Flow Restrictors (in dispenser )                                        | 9475-002-003 | 3   |
| *   | Battery 3V Lithum (used on Control PCB)                                 | 8612-001-001 | 1   |
| *   | Mode Light Support                                                      | 9635-022-001 | 1   |

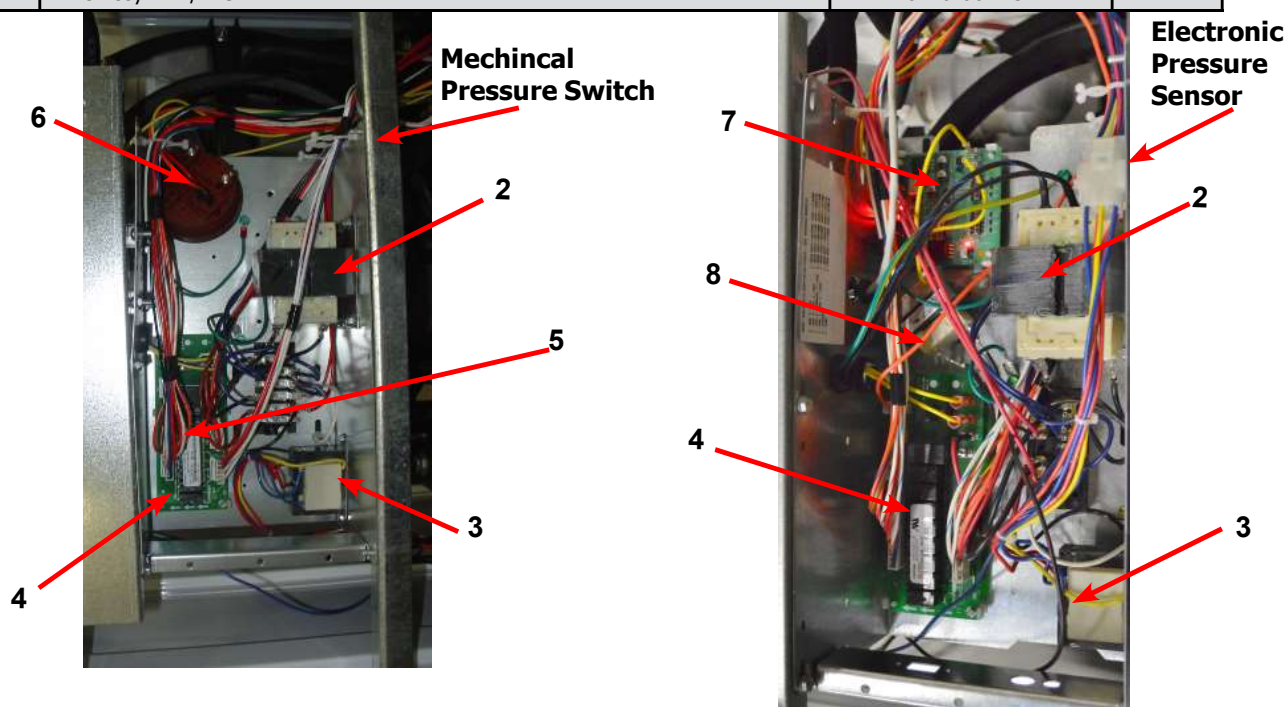
## WSVD Wiring Harnesses Parts

| Key | Description                                                           | Part Number  | Qty |
|-----|-----------------------------------------------------------------------|--------------|-----|
| 1   | Add Bleach Light, (Wiring Harness included)                           | 9794-001-001 | 1   |
| 2   | Wiring Harness, Door Lock P15/P4                                      | 9627-816-002 | 1   |
| 3   | Wiring Harness, Optional Relay Board (Soap Injection)                 | 9627-835-002 | 1   |
| *   | Wiring Harness, Optional Relay Board to Soap Injection terminal block | 9627-799-002 | 1   |
| 4   | Wiring Harness, Drain,Thermo,DoorSol P17                              | 9627-820-001 | 1   |
| 5   | Data Cable                                                            | 9806-015-002 | 1   |
| 6   | Wiring Harness P20/P21                                                | 9627-818-001 | 1   |
| 7   | Wiring Harness P8/P16                                                 | 9627-819-001 | 1   |
| 8   | Wiring Harness WaterValve/P19                                         | 9627-795-004 | 1   |
| 9   | Wiring Harness LED PCB                                                | 9627-821-001 | 1   |
| *   | Wire Yellow Jumper (water valve)                                      | 8220-123-001 | 1   |
| *   | Harness Power Terminal Block                                          | 9627-747-003 | 1   |
| 10  | Harness-Extention, Transformer                                        | 9627-826-001 | 1   |
| 12  | Harness-P5/Pressure Switch                                            | 9627-823-001 | 1   |
| *   | Fuse-1.5a                                                             | 8636-018-001 | 1   |
| *   | Fuseholder-Assembly                                                   | 9200-001-002 | 1   |
| *   | Circuit Breaker (optional) 1.5 AMP                                    | 5198-211-004 | 1   |
| *   | Wiringlabel-diagram & Schematic                                       | 9506-745-001 | 1   |



# WSVD Electrical Components

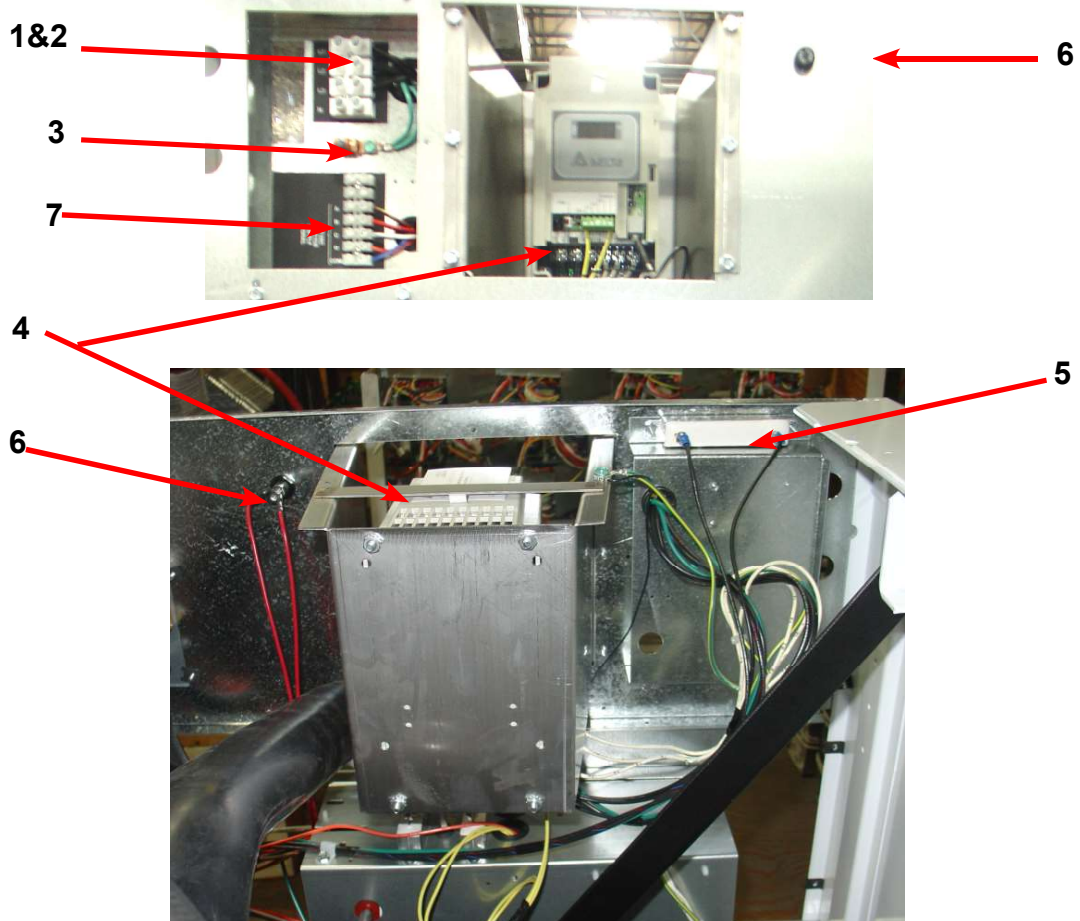
| Key | Description                                                    | Part Number  | Qty |
|-----|----------------------------------------------------------------|--------------|-----|
| 1   | Trough Assy,Controls 208-240 volt                              | 9857-219-001 | 1   |
|     | Trough only                                                    | 9839-018-001 | 1   |
| 2   | Transformer, Control (208/230/60 Hz In 115,150VA Out Volts)    | 8711-004-001 | 1   |
| *   | Wire Assembly, Red 28"                                         | 8220-062-025 | 2   |
| *   | Screw, #10B x 1/2                                              | 9545-008-026 | 4   |
| *   | Lockwasher Exttooth #10                                        | 8641-582-006 | 4   |
| *   | Wire Assembly, BLK/BLU                                         | 8220-001-231 | 1   |
| *   | Wire Assembly, BLK/RED                                         | 8220-001-230 | 1   |
| *   | Terminal Block Assy, POWER                                     | 9897-026-004 | 1   |
| *   | Screw, Mtg 8Bx3/4"                                             | 9545-045-007 | 2   |
| 3   | Transformer, Step Down (120VAC In, Sec-1, 24.3, Sec-2, 2.3VAC) | 8711-010-004 | 1   |
| *   | Harness-extention, Transformer                                 | 9627-826-001 | 1   |
| *   | Screw, 8B x 1/4                                                | 9545-045-001 | 2   |
| *   | Lockwasher-External Tooth, #10                                 | 8641-582-005 | 2   |
| *   | Wire Assembly, P12, Red 7"                                     | 9631-381-018 | 1   |
| 4   | PCB assembly Relay Main                                        | 9473-006-001 | 1   |
| *   | Wiring Harness, Door Lock P15/P4                               | 9627-816-002 | 1   |
| *   | Wiring Assembly Yel. 32" P14 & P13                             | 8220-064-023 | 2   |
| 5   | Wiring Harness, Drain,Thermo,DoorSol P17                       | 9627-820-001 | 1   |
| *   | Wiring Harness WaterValve/P19                                  | 9627-795-004 | 1   |
| *   | Wiring Harness P8/P16                                          | 9627-819-001 | 1   |
| *   | Wiring Harness P20/P21                                         | 9627-818-001 | 1   |
| 6   | Pressure Switch                                                | 9539-457-004 | 1   |
| *   | Harness Assembly, Pressure Switch                              | 9627-822-001 | 1   |
| *   | Kit-Pressure Sensor, Electronic                                | 9732-314-001 | 1   |
| 7   | Kit-Repaacement, Pressure Sensor (only)                        | 9732-315-001 | 1   |
| *   | Support-PCB, 3/8", Edge Holding                                | 9458-285-001 | 1   |
| 8   | Transformer-120/18VAC, 5 VA                                    | 8711-015-001 | 1   |
| *   | Screw, 8B x 1/4                                                | 9545-045-001 | 1   |
| *   | Wire Assy BLK/BLU                                              | 8220-001-233 | 1   |
| *   | Wire Assy RED/BLU                                              | 8220-001-232 | 1   |





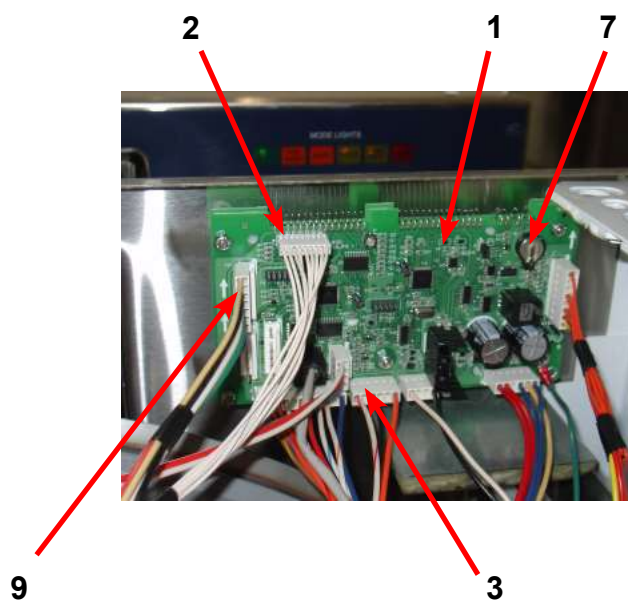
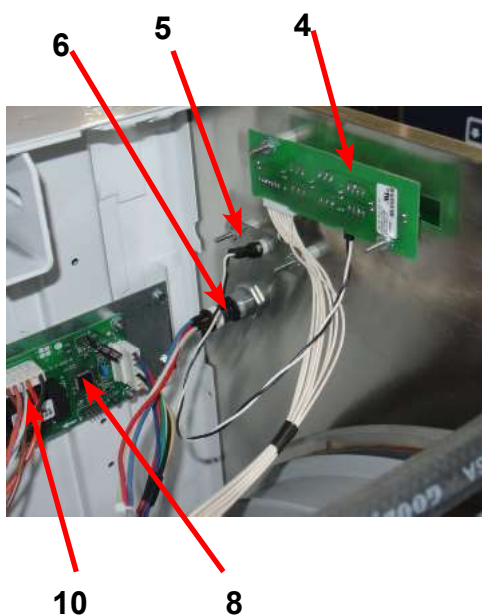
# WSVD Electrical Components

| Key | Description                                                                | Part Number  | Qty |
|-----|----------------------------------------------------------------------------|--------------|-----|
| 1   | Terminal Block Assy, POWER                                                 | 9897-033-002 | 1   |
| *   | Screw, Mtg 6ABx3/4"                                                        | 9495-031-010 | 2   |
| 2   | Strip, Terminal Marker                                                     | 9558-025-001 | 1   |
| 3   | Terminal, Lug-Solderless (Ground)                                          | 8652-134-001 | 1   |
| *   | Screw, 10-32TTx1/2 Green (Control Trough)                                  | 9545-008-027 | 1   |
| *   | Wiring Harness Power Terminal To VFD & Control Transformer and ground wire | 9627-747-003 | 1   |
| 4   | VFD Delta drive 208-240 volt                                               | 9375-030-009 | 1   |
| *   | Cable, Data Communication                                                  | 9806-015-002 | 1   |
| *   | Wiring Assembly Yel. 32"                                                   | 8220-064-023 | 2   |
| 5   | Braking resistors (200 ohm)                                                | 9483-004-002 | 2   |
| *   | Wire Assembly, BLK (Breaking Resistors)                                    | 8220-118-002 | 2   |
| *   | Wire Assembly-Jumper, BLK (Breaking Resistors)                             | 8220-117-002 | 2   |
| *   | Label Fuse 1.5 amp Rear                                                    | 8502-716-001 | 1   |
| *   | Fuse-1.5a                                                                  | 8636-018-001 | 1   |
| 6   | Fuseholder-Assembly                                                        | 9200-001-002 | 1   |
| *   | Circuit Breaker (optional) 1.5 AMP                                         | 5198-211-004 | 1   |
| 7   | Terminal Block Assy, Injector                                              | 9897-032-002 | 1   |
| *   | Screw, Mtg 8Bx3/4"                                                         | 9545-053-002 | 2   |
| *   | Strip, Terminal Marker (Injector)                                          | 9558-028-001 | 1   |
| *   | PCB assembly Relay Optional (Soap Injection)                               | 9473-007-001 | 1   |
| *   | Harness-P23/15                                                             | 9627-835-002 | 1   |



## WSVD Front Panel Control Group

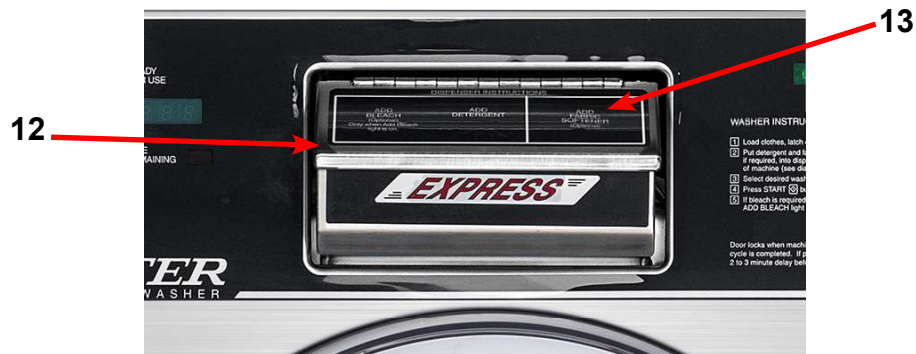
| Key | Description                                                           | Part Number  | Qty |
|-----|-----------------------------------------------------------------------|--------------|-----|
| *   | Nameplate,Control Panel (one piece)                                   | 9412-232-001 | 1   |
| 1   | PCB assembly Control /Display (OPL)                                   | 9473-004-009 | 1   |
| *   | Spacer Pushbutton (Micro)                                             | 9538-158-001 | 5   |
| *   | Retainer Pushbutton (Micro)                                           | 9486-150-001 | 1   |
| *   | Nut Hexelasticstop #4-40                                              | 8640-424-002 | 2   |
| *   | Pushbutton Control (OPL)                                              | 9035-060-002 | 1   |
| *   | Spacer Plastic #6x9/16                                                | 9538-157-018 | 5   |
| *   | Nut Elasticstop #6-32                                                 | 8640-411-002 | 4   |
| *   | Nut-Hexkeys, #6-32                                                    | 8640-411-003 | 1   |
| 2   | Harness LEDPCB                                                        | 9627-821-001 | 1   |
| 3   | Harness Doorlock, Switches                                            | 9627-816-002 | 1   |
| 4   | PCB assembly Mode lights                                              | 9473-005-001 | 1   |
| *   | Spacer Plastic #6x9/16                                                | 9537-157-018 | 2   |
| *   | Nut Hexkeys #6-32                                                     | 8640-411-003 | 2   |
| 5   | Light, LED,ADD BLEACH Assembly                                        | 9794-001-001 | 1   |
| *   | Spacer Plastic #6x9/16                                                | 9538-157-018 | 2   |
| *   | Nut Hexeps #6-32                                                      | 8640-411-003 | 2   |
| 6   | Lock, Run/Program, w/Harness                                          | 8650-027-001 | 1   |
| 7   | Battery                                                               | 8612-001-001 | 1   |
| 8   | PCB assembly Relay Optional (Soap Injection)                          | 9473-007-001 | 1   |
| 9   | Harness-P23/15                                                        | 9627-835-002 | 1   |
| 10  | Wiring Harness, Optional Relay Board to Soap Injection terminal block | 9627-799-002 | 1   |



# WSVD Labels and Diagrams

| Key | Description                                      | Part Number  | Qty |
|-----|--------------------------------------------------|--------------|-----|
| *   | Wiring Diagram & SchematicOPL                    | 9506-745-001 | 1   |
| *   | Transient Voltage Surge Suppressor Informational | 8507-330-001 | 1   |
| 1   | Label High Voltage Warning                       | 8502-614-005 | 1   |
| 2   | Label Fusing & Installation                      | 8502-619-004 | 1   |
| *   | Label Warning Risk of Injury                     | 8502-759-001 | 1   |
| *   | Label Warning Door Opening                       | 8502-757-001 | 1   |
| *   | Booklet Owners                                   | 8514-249-001 | 1   |
| 3   | Label "EXPRESS", Soap Dispenser (Black)          |              |     |
| 4   | Label-Control Name Plate (Black)                 | 9412-204-001 | 1   |
| 5   | Label Top Dispenser (Black)                      | 8502-745-001 | 1   |
| 6   | Label-Connection Electrical                      | 8502-649-001 | 1   |
| *   | Label-Connections Injector                       | 8502-647-002 | 1   |



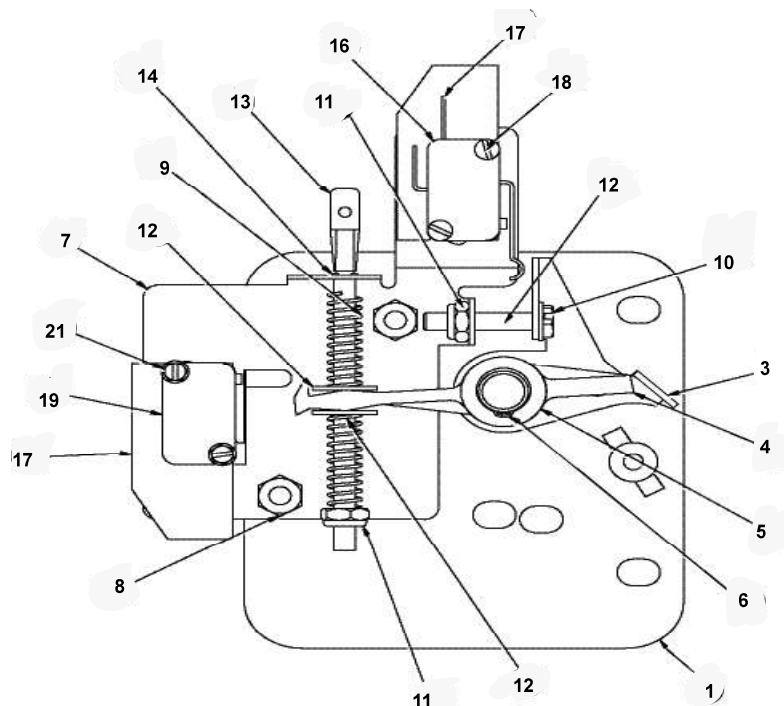




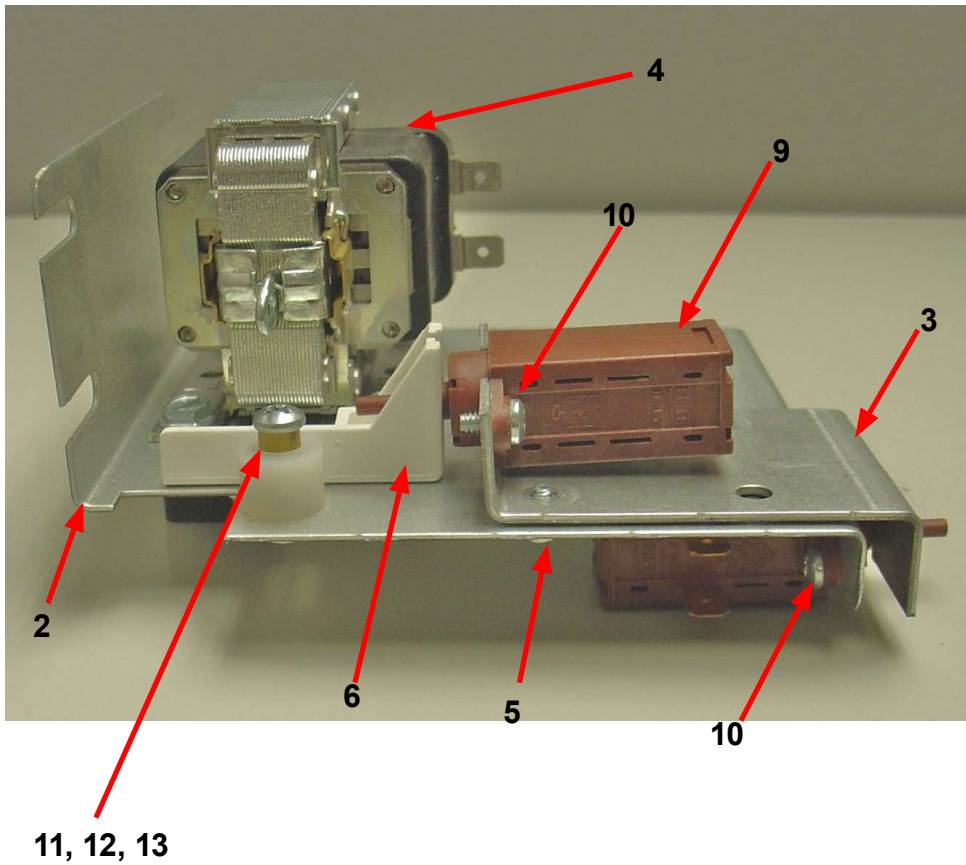
| Key | Description                                              | Part Number  | Qty |
|-----|----------------------------------------------------------|--------------|-----|
| *   | Panel, Right Side-Painted                                | 9989-493-002 | 1   |
| *   | Panel, Left Side - Painted                               | 9989-494-002 | 1   |
| *   | Screw, (Side Panel to Base)                              | 9545-018-023 | 8   |
| *   | Plate-Assy, Fastner Side Panel                           | 9982-318-001 | 8   |
| 1   | Panel Assy, Front                                        | 9989-556-001 | 1   |
| 2   | Lock, Run/Program, w/Harness                             | 8650-027-001 | 1   |
| 3   | Bumper Loading Door                                      | 9051-055-001 | 1   |
| 4   | Screw, 10AB x 3/4 Torx Chrome                            | 9545-008-020 | 4   |
| 5   | Screw, 10AB x 3/4 Torx Black                             | 9545-008-010 | 2   |
| *   | Nut, Spring-To Front Panel                               | 8640-399-001 | 4   |
| *   | Label, Door Opening (Black)                              | 8502-757-001 | 1   |
| *   | Label, Risk of Injury (Black)                            | 8502-759-001 | 1   |
| 7   | Retainer Pushbutton (Micro)                              | 9486-150-001 | 1   |
| 7   | Nut Hexelasticstop #4-40                                 | 8640-424-002 | 2   |
| 7   | Pushbutton Control (OPL) (Black)                         | 9035-060-004 | 1   |
| 8   | Nameplate Decal, Control Panel (Black)                   | 9412-232-001 | 1   |
| 9   | Panel Top, Front, Painted                                | 9989-470-002 | 1   |
| *   | Screw, Hex, #10B x 1/2                                   | 9545-008-026 | 6   |
| *   | Panel Top Rear                                           | 9454-717-001 | 1   |
| *   | Screw, Hex, #10B x 1/2                                   | 9545-008-026 | 6   |
| *   | Optional Top Panel for Stand alone washer                | 9454-729-001 | 1   |
| *   | Screw, Panhead- 10AB x 2, ss                             |              | 6   |
| 12  | Soap Dispenser Assembly, Complete (Does not include lid) | 9807-087-001 | 1   |
| *   | Soap Box mounting Gasket                                 | 9206-422-001 | 1   |
| 13  | Lid Assembly soap box                                    | 9987-104-001 | 1   |
| 13  | Label, Dispenser Instructions, Black                     | 8502-745-001 | 1   |
| *   | Lid screws #10-32x1/2 SS                                 | 9545-012-017 | 2   |
| *   | Nut Hex Elasticstop #10-32 SS                            | 8640-413-006 | 6   |
| *   | Bracket Soap box mounting                                | 9029-122-002 | 1   |
| *   | Softner siphon tube (plastic)                            | 9574-252-002 | 1   |
| *   | Flow restrictors                                         | 9475-002-003 | 3   |
| 14  | Door, Lower Service Assembly (w/handle)                  | 9960-286-006 | 1   |
| 15  | Handle, Lower Service Door                               | 9244-086-005 | 1   |
| 16  | Screw, Torx Head- 10AB x 3/4,                            | 9545-008-020 | 4   |

# Door Lock Assembly

| Key | Description                                       | Part Number  | Qty |
|-----|---------------------------------------------------|--------------|-----|
| *   | Lock Assy, Complete (#1-22)(includes #1 thru #22) | 9885-024-001 | 1   |
| 1   | Plate Assy, Door Lock                             | 9982-346-001 | 1   |
| 2   | Washer, Flat                                      | 8641-581-030 | 1   |
| 3   | Actuator, Latching Switch                         | 9008-005-001 | 1   |
| 4   | Pawl, Locking                                     | 9450-002-004 | 1   |
| 5   | Washer, Spring                                    | 8641-569-003 | 1   |
| 6   | Ring, Retaining                                   | 9487-200-004 | 1   |
| 7   | Bracket Switch                                    | 9029-163-001 | 1   |
| 8   | Nut, Hex 10-32 UNF                                | 8640-413-002 | 2   |
| 9   | Spring, Actuating                                 | 9534-364-002 | 1   |
| 10  | Screw, Hx. 10-32 x 1"                             | 9545-012-020 | 1   |
| 11  | Nut, Elastic Stop 10-32                           | 8640-413-004 | 2   |
| 12  | Spring, Return                                    | 9534-364-001 | 2   |
| 13  | Pin, Guide                                        | 9451-193-001 | 1   |
| 14  | Ring, Retaining                                   | 9487-200-005 | 1   |
| 15  | Washer                                            | 8641-581-031 | 2   |
| 16  | Switch, Latching Sensing                          | 9539-461-008 | 1   |
| 17  | Shield, Switch                                    | 9550-169-003 | 4   |
| 18  | Screw 4-40 x 5/8"                                 | 9545-020-001 | 2   |
| *   | Nut, Twin                                         | 8640-401-001 | 1   |
| 19  | Switch, Locking Sensing                           | 9539-461-007 | 2   |
| 20  | Actuator, Switch Locking                          | 9008-006-003 | 1   |
| 21  | Screw 4-40 x 1 1/8"                               | 9545-020-003 | 2   |
| 21  | Nut, Twin 4-40                                    | 8640-401-001 | 1   |
| 22  | 9451-181-004                                      | 9451-181-004 | 1   |
| *   | Shim, Door Lock, Thin                             | 9552-037-001 | AR  |
| *   | Screw, Lock mtg 1/4"-20 x 3/4"                    | 9545-018-004 | 3   |
| *   | Lockwasher 1/4" Ext tooth                         | 8641-582-007 | 3   |



## WSVD Door Lock Solenoid Assembly



| Key | Description                                        | Part Number  | Qty |
|-----|----------------------------------------------------|--------------|-----|
| 1   | Solenoid Ass'y, Door Locking (includes 23 thru 32) | 9922-011-009 | 1   |
| 2   | Bracket, (Door Locking Solenoid)                   | 9985-169-001 | 1   |
| 3   | Bracket Ass'y, Solenoid Slide                      | 9029-074-001 | 1   |
| 4   | Solenoid 120V 60 hz                                | 9536-082-002 | 1   |
| 5   | Screw, Solenoid Mtg                                | 9545-008-001 | 4   |
| 6   | Stop, Door Lock Solenoid                           | 9540-036-001 | 1   |
| 7   | Screw, Shoulder                                    | 9545-061-001 | 1   |
| *   | Nut, Keps #6                                       | 8640-411-002 | 1   |
| 9   | Thermoactuator 120 V                               | 9586-001-001 | 2   |
| 10  | Screw #6 x 5/16"                                   | 9545-031-011 | 4   |
| 11  | Spacer, Plastic                                    | 9538-157-004 | 1   |
| 12  | Spacer, Metal                                      | 9538-166-004 | 1   |
| 13  | Screw, Cross Recessed                              | 9545-010-001 | 1   |
| 14  | Nut, Keps #8                                       | 8640-412-005 | 1   |
| *   | Rod, Pull                                          | 9497-225-008 | 1   |
| *   | Nut, Sol. Brkt. to Control Panel                   | 8640-412-005 | 3   |



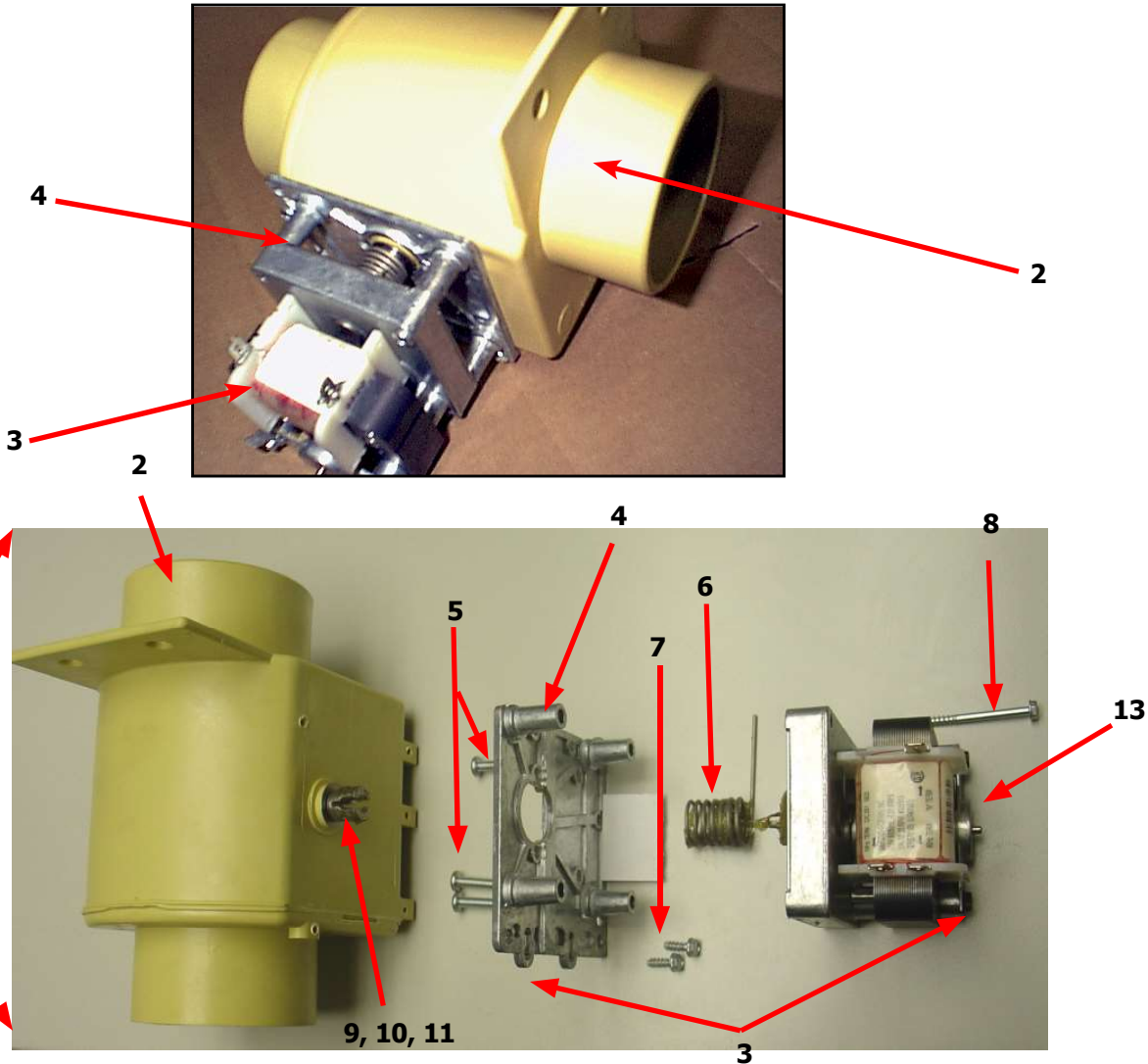


## WSVD Loading Door Group Part #

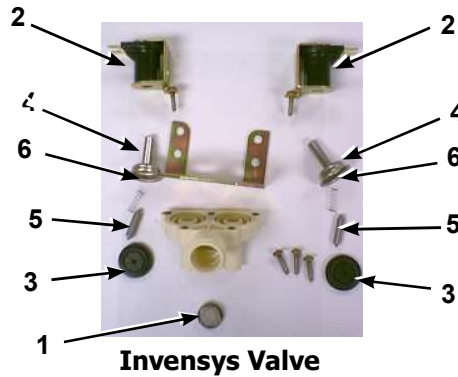
| Key | Description                                    | Part Number  | Qty |
|-----|------------------------------------------------|--------------|-----|
|     | Loading Door, Complete #1-10                   | 9960-309-001 | 1   |
| 1   | Loading Door, Ring (180 Degreese)              | 9487-265-002 | 1   |
| 2   | Gasket, Loading Door                           | 9206-419-001 | 1   |
| 3   | Window, Loading Door                           | 9635-016-001 | 1   |
| *   | Shaft Assy, Locking (includes 4 thru 7)        | 9913-134-003 | 1   |
| 4   | Shaft, Door Locking                            | 9537-195-002 | 1   |
| 5   | Cam, Locking                                   | 9095-040-002 | 1   |
| 6   | Pin, Groove (1 1/4)                            | 9451-181-005 | 1   |
| 7   | Pin, Groove (3/4)                              | 9451-181-004 | 1   |
| 8   | Spring, Lock Cam                               | 9534-360-002 | 1   |
| 9   | Handle, Door                                   | 9244-091-001 | 1   |
| 10  | Pin, Door Handle (groove)                      | 9451-181-005 | 1   |
| 11  | Screw, Loading Door Mtg (5/16" TF)             | 9545-056-002 | 3   |
| *   | Shim, Loading Door Hinge, Thin                 | 9552-037-001 | 1   |
| 12  | Door Hinge Assembly Mounts to Tub Front        | 9555-030-001 | 1   |
| *   | Screw, Hinge Mtg 5/16" -18x 3/4"               | 9545-014-009 | 3   |
| *   | Lockwasher 5/16" Ext tooth                     | 8641-582-009 | 3   |
| *   | Rubber Edge (mounts to Front Panel)            | 9059-063-002 | 1   |
| *   | Nut, Keps                                      | 8640-411-003 | 2   |
| *   | Wiring Harness doorlock safety Switch Assembly | 9627-816-002 | 1   |
| *   | Wire Assembly Door Close Switch, Red 17"       | 8220-063-025 | 1   |
| *   | Wire Assembly Door Close Switch, BLK 17"       | 8220-063-026 | 1   |
| 13  | Leaf assembly, Hinge Top (Push Button Style)   | 9545-008-001 | 1   |
| 14  | Leaf assembly, Hinge Bottom                    | 9545-005-002 | 1   |
| 15  | Switch, Door closed Switch (Push Button style) | 9539-492-001 | 1   |
| *   | Wire Assembly, BLK 17"                         | 8220-062-028 | 1   |
| *   | Wire Assembly, RED 17"                         | 8220-062-027 | 1   |

# Drain Valve Group Part # by Model

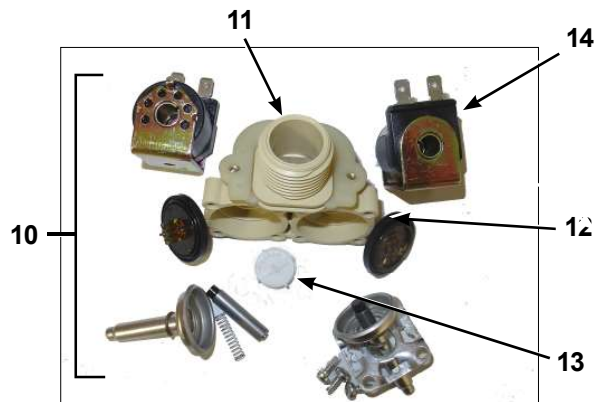
| Key | Description                                             | Part Number  | Qty |
|-----|---------------------------------------------------------|--------------|-----|
| 1   | Valve, Drain (includes #2 thru #11)                     | 9379-200-001 | 1   |
| 2   | Body, Valve (w/ball)                                    | 9064-070-001 | 1   |
| 3   | Motor & Gear Train (complete)                           | 9914-137-011 | 1   |
| 4   | Plate, Motor Mtg                                        | 9452-538-001 | 1   |
| 5   | Screw                                                   | 8639-994-001 | 1   |
| 6   | Spring, Drive                                           | 9534-339-001 | 1   |
| 7   | Screw                                                   | 9545-054-001 | 1   |
| 8   | Screw                                                   | 9545-054-002 | 1   |
| 9   | Seal, V Packer                                          | 9532-134-001 | 1   |
| 10  | Washer                                                  | 8641-584-001 | 1   |
| 11  | Pin, Main Drive                                         | 9451-196-001 | 1   |
| *   | Plate (spacers needed for replacement motor mtg. plate) | 9538-149-001 | 1   |
| 13  | Stator and Coil Assembly                                | 9089-036-004 | 1   |
| *   | Valve Drain before Serial # 482181                      | 9379-187-001 | 1   |
|     |                                                         |              |     |



## Water Inlet Valve Breakdown



| Key | Description                                              | Part Number  | QTY |
|-----|----------------------------------------------------------|--------------|-----|
| *   | Valve, Water Inlet (includes 1 thru 6) - <b>Invensys</b> | 9379-183-012 | 2   |
| 1   | Screen, Inlet end of valve                               | 9555-056-001 | 2   |
| 2   | Coil Assy., 120 V Invensys                               | 9089-017-001 | 2   |
| 3   | Diaphragm Invensys (EPDM)                                | 9118-049-001 | 2   |
| *   | Optional Diaphran (Viaton)                               | 9118-049-002 | 2   |
| *   | Diaphragm Invensys (EPDM NSF)                            | 9118-049-003 | 2   |
| 4   | Guide, Solenoid Invensys                                 | 9211-021-002 | 2   |
| 5   | Armature Invensys                                        | 9015-008-001 | 2   |
| 6   | Spring, Armature Invensys                                | 9534-298-001 | 2   |
| *   | Optional Diaphran (Viaton)                               | 9118-049-002 | 2   |
| *   | Wiring Harness                                           | 9794-001-001 | 1   |

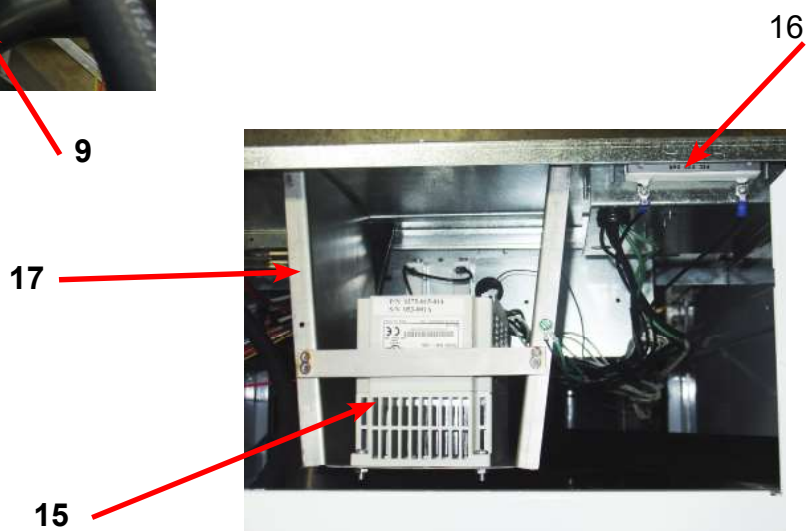
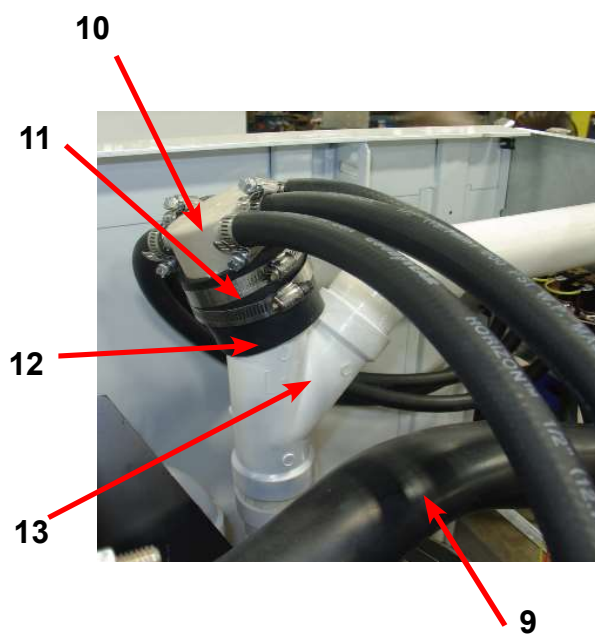
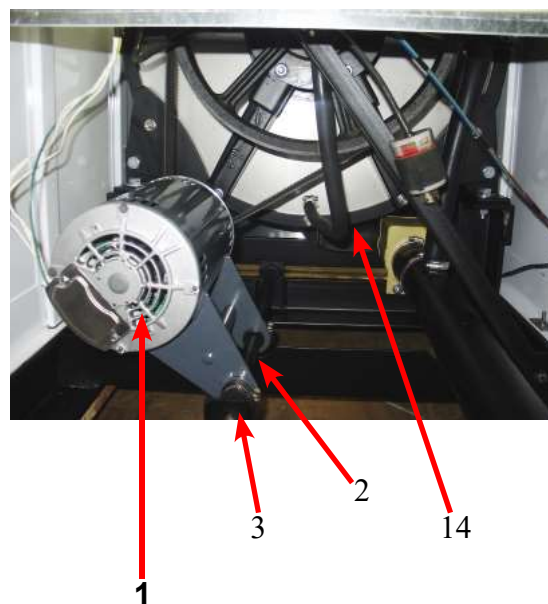
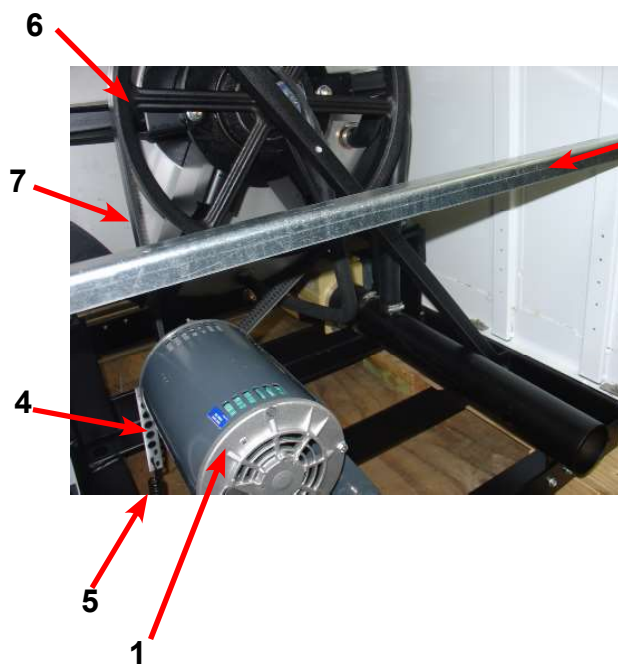


| Key | Description                         | Part Number  | QTY |
|-----|-------------------------------------|--------------|-----|
| 10  | Dual Coil Water Valve Mueller       | 9379-192-001 | 2   |
| 11  | Valve Water Body Complete (no coil) | 9379-192-002 | 1   |
| 12  | Diaphragm Mueller                   | 9118-054-001 | 2   |
| 13  | Filter Mueller                      | 9183-046-001 | 1   |
| 14  | Coil Mueller                        | 9089-051-001 | 2   |
| 16  | Diaphragm Assembly Mueller          | 9785-001-001 | 1   |

# WSVD Rear View Access Parts Group Part #

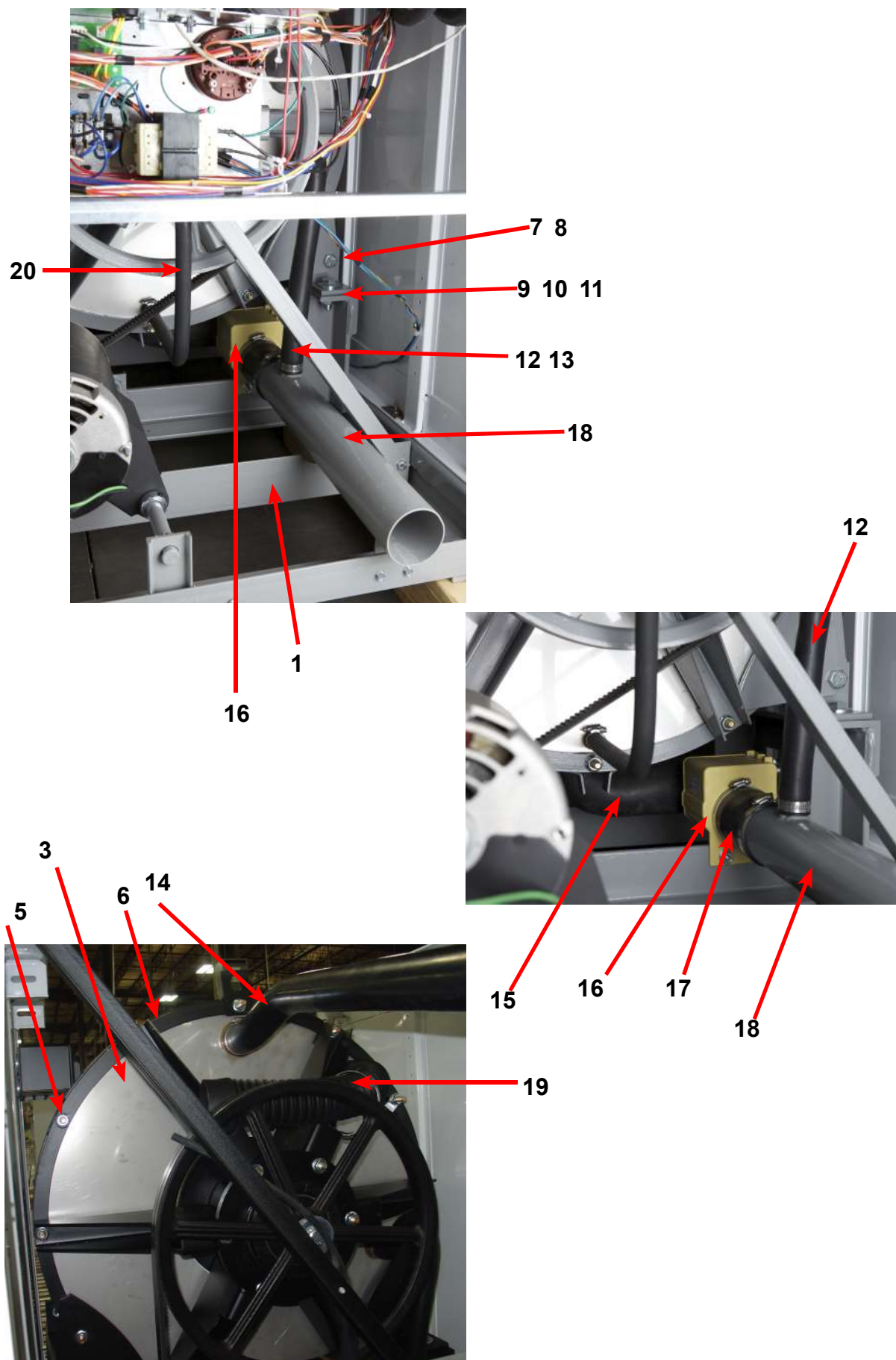
| Key | Description                                           | Part Number  | Qty |
|-----|-------------------------------------------------------|--------------|-----|
| 1   | Drive Motor, 3 Phase (Inverter duty)                  | 9732-127-012 | 1   |
| 2   | Rod, Motor Mtg                                        | 9497-222-006 | 1   |
| *   | Collar, Shaft (w/set screws) Before Serial # 530726   | 9076-052-002 | 2   |
| *   | Motor Bushing (plastic) Before Serial # 530726        | 9053-074-002 | 2   |
| 3   | Motor Bushing (Rubber) after Serial # 530726          | 9053-082-001 | 2   |
| *   | Clamp-Worm, 316SS, 1.5" (for Rubber bushing)          | 8654-117-019 | 2   |
| 4   | Strap Bracket, Motor Tension (After Serial # 525645)  | 9029-206-002 | 1   |
| *   | Nut, Strap to Motor (After Serial # 525645)           | 8640-413-002 | 1   |
| *   | Strap Bracket, Motor Tension (Before Serial # 525645) | 9029-027-005 | 1   |
| *   | Nut, Strap to Motor (Before Serial # 525645)          | 8640-414-003 | 1   |
| *   | Washer (Before Serial # 525645)                       | 8641-581-006 | 1   |
| 5   | Spring, Belt Tension                                  | 9534-319-002 | 1   |
| *   | Bolt, Eye (1/4"-20x1/2")                              | 9545-055-002 | 1   |
| *   | Nut, 1/4 Elastic Stop                                 | 8640-414-003 | 1   |
| *   | Pulley, Motor                                         | 9453-170-003 | 1   |
| *   | Set Screw,Sq.Hd(motor pulley)                         | 9545-028-015 | 2   |
| *   | Tolerance Ring                                        | 9487-234-003 | 1   |
| 6   | Pulley, Driven                                        | 9453-168-003 | 1   |
| *   | Screw 5/8-11x1/2"                                     | 9545-060-001 | 3   |
| *   | Lockwasher 5/8"                                       | 8641-582-018 | 3   |
| *   | Washer, Flat 5/8x2 1/4"                               | 8641-581-032 | 3   |
| 7   | Drive Belt                                            | 9040-077-003 | 2   |
| 8   | Channel, Rear                                         | 9081-131-001 | 1   |
| *   | Screw                                                 | 9545-008-026 | 4   |
| *   | Nut, Spring                                           | 8640-399-001 | 4   |
| *   | Hose, Overflow to drain                               | 9242-449-004 | 1   |
| *   | Clamp, Hose overflow to drain                         | 8654-117-019 | 2   |
| 9   | Hose, Overflow Vent Top                               | 9242-463-005 | 1   |
| 10  | Vaccum Breaker                                        | 9610-001-002 | 1   |
| 11  | Clamp, Hose Vent, Injection Assembly                  | 8654-117-014 | 3   |
| 12  | Hose, Vacuum Breaker to tub                           | 9242-461-001 | 1   |
| *   | Hose, Injector to Tub                                 | 9242-462-001 | 1   |
| 13  | Injection Assy-Soap                                   | 9883-008-001 | 1   |
| *   | Cap Injector Assy                                     | 0935-127-001 | 1   |
| 14  | Hose, Pressure Switch                                 | 9242-175-005 | 1   |
| *   | Clamp, Pressure Switch Hose                           | 8654-117-015 | 1   |
| 15  | VFD Delta "S" drive 208-240 volt                      | 9375-015-015 | 1   |
| 16  | Braking resistors (200 ohm)                           | 9483-004-002 | 3   |
| 17  | Bracket assembly (drive mounting)                     | 9985-176-001 | 1   |
| *   | Plastic Plug 7/8" Electrical Connection               | 8654-117-014 | 2   |
| *   | Panel Assy., Back                                     | 9454-714-001 | 1   |
| *   | Screw Panel Mtg.#10Bx1/2"                             | 9545-008-026 | 10  |
| *   | Screw Panel Mtg.#10Bx1/2"                             | 9545-030-002 | 3   |
| *   | Nut, Spring                                           | 8640-399-004 | 8   |
|     |                                                       |              |     |
|     |                                                       |              |     |





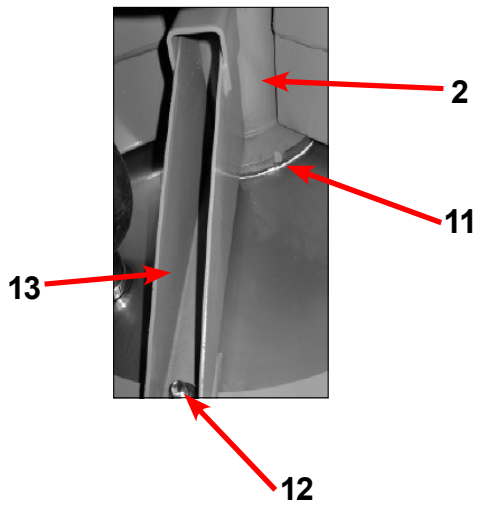
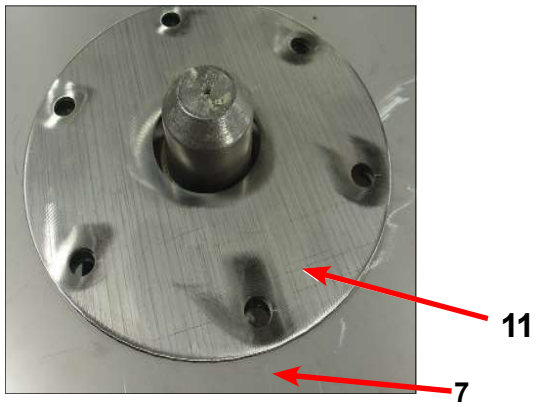
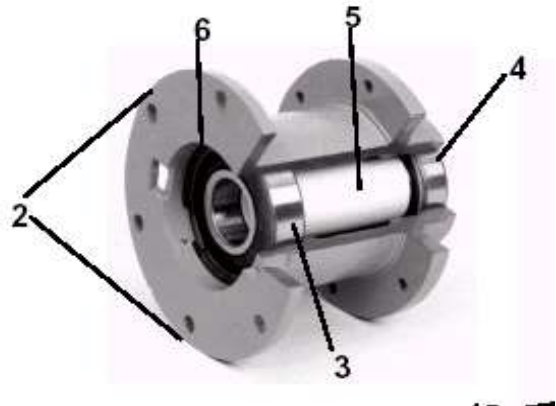
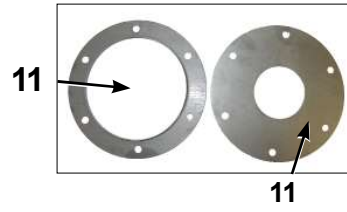
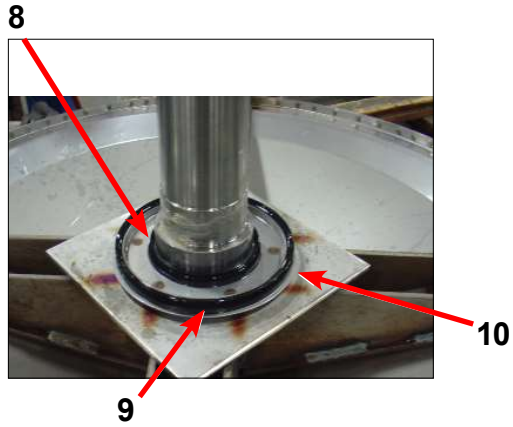
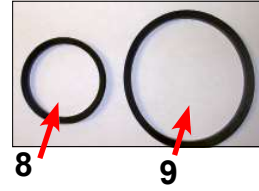
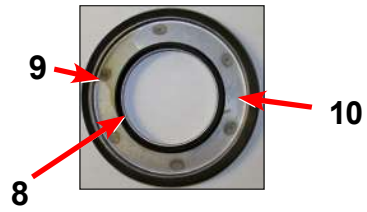
## WSVD Chassis and Drain by Part #

| Key | Description                                             | Part Number  | Qty |
|-----|---------------------------------------------------------|--------------|-----|
| 1   | Base Assy,Frame                                         | 9945-109-002 | 1   |
|     | Tub and Cylinder Complete                               | 9869-011-001 | 1   |
| *   | Outer Tub Assy                                          | 9930-140-001 | 1   |
| *   | Cylinder Assembly, (Includes Spider)                    | 9848-120-001 | 1   |
| 3   | Back Ass'y, Tub                                         | 9962-013-003 | 1   |
| 4   | Bolt, 7/16" x 2" Tub Back to Tub                        | 9545-059-002 | 12  |
| 5   | Nut, Flange Lock                                        | 8640-416-005 | 12  |
| *   | Bolt, 5/8-11 x 1 1/2 Tub to Base, Front                 | 9545-060-001 | 2   |
| *   | Nut, 5/8-11 Wizlok                                      | 8640-425-001 | 2   |
| *   | Ring Assy, Tub Mtg-Front                                | 9950-051-004 | 1   |
| *   | Bolt, Top Front Ring 5/8" x 3"                          | 9545-017-016 | 1   |
| *   | Nut WCAD 5/8"                                           | 8640-417-005 | 1   |
| 6   | Ring Assy.Clamp Tub Mtg.- Rear                          | 9950-056-002 | 1   |
| 7   | Bolt, 5/8-11 x 1 1/2 Tub to Base, Rear                  | 9545-060-001 | 2   |
| 8   | Nut, 5/8-11 Wizlok                                      | 8640-425-001 | 2   |
| 9   | Bolt, 5/8-11 x 2 Tub & Rings to Base, Front & Rear      | 9545-060-004 | 4   |
| 10  | Washer                                                  | 8641-581-038 | 4   |
| 11  | Nut, 5/8-11 Wizlok                                      | 8640-425-001 | 4   |
| 12  | Hose, Overflow                                          | 9242-449-004 | 1   |
| 13  | Clamp                                                   | 8654-117-018 | 2   |
| 14  | Tube, Over Suds                                         | 9242-463-005 | 1   |
| *   | Clamp                                                   | 8654-117-014 | 1   |
| 15  | Hose, Tub to Drain Valve                                | 9242-464-001 | 1   |
| 16  | Valve, Drain                                            | 9379-187-004 | 1   |
| *   | Screw, Valve to Bracket 5/16-18x1 1/4                   | 9545-014-012 | 1   |
| *   | Nut, 5/16-18                                            | 8640-400-003 | 2   |
| 17  | Hose, Drain Valve to Tube                               | 9242-457-001 | 2   |
| *   | Clamp, Hose (Drain Valve to Tube)&(Srain Hose to Valve) | 8654-117-009 | 1   |
| *   | Screw Tube (Bracket to Base 1/4B x 3/4)                 | 9545-030-002 | 2   |
| 18  | Tube Assy, Drain                                        | 9915-122-002 | 2   |
| 19  | Hose, Vacuum Brkr. to Tub                               | 9242-458-001 | 1   |
| *   | Clamp                                                   | 8654-117-014 | 1   |
| 20  | Hose, Pressure Switch                                   | 9242-175-005 | 2   |
| *   | Clamp                                                   | 8654-117-014 | 1   |

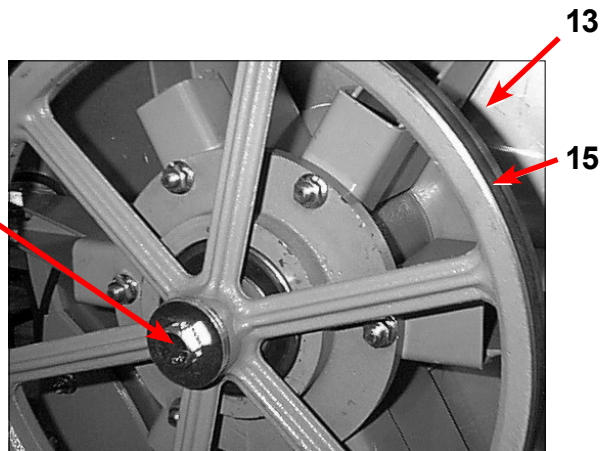


## WSVD Cylinder, Seals & Bearings

|    | Description                                    | Part Number  | Qty |
|----|------------------------------------------------|--------------|-----|
| *  | Housing, Bearing- Assembly (items #2-#6)       | 9803-186-001 | 1   |
| 2  | Housing, Bearing                               | 9241-180-002 | 1   |
| 3  | Bearing, Front (LARGE)                         | 9036-159-005 | 1   |
| 4  | Bearing, Rear (SMALL)                          | 9036-159-004 | 1   |
| 5  | Spacer, Bearing                                | 9538-167-001 | 1   |
| 6  | Ring, Bearing Retainer                         | 9487-238-003 | 1   |
| 7  | Back Assy, Tub 2 piece                         | 9732-137-003 | 1   |
| 8  | Seal, Primary                                  | 9532-140-002 | 1   |
| 9  | Seal, Secondary                                | 9532-140-009 | 1   |
| 10 | Ring, Seal Mounting                            | 9950-048-001 | 1   |
| 11 | Tub Back Mating Ring                           | 9487-261-003 | 1   |
| 12 | Bolt 5/8-11x1 1/2" Tub end of bearing Housing  | 9545-060-001 | 6   |
| 12 | Nut 5/8"-11                                    | 8640-425-001 | 6   |
| 12 | Lockwasher 5/8"                                | 8641-582-018 | 6   |
| 13 | Support Arm Assy, Bearing Housing              | 9991-056-002 | 6   |
| 14 | Bolt Pulley end of bearing housing, 7/16-14x2" | 9545-059-003 | 6   |
| *  | Nut, Flange Locking 7/16"                      | 8640-416-005 | 6   |
| 15 | Pulley, Driven                                 | 9453-168-003 | 1   |
| 16 | Ring, Tolerance                                | 9487-234-003 | 1   |
| 17 | Washer 5/8"x 2 1/4"                            | 8641-581-032 | 1   |
| 18 | Bolt 5/8-11x1 1/2"                             | 9545-060-001 | 1   |
| 19 | Lockwasher 5/8 Ext. tooth                      | 8641-582-018 | 1   |
| *  | Cylinder Assy                                  | 9848-120-001 | 1   |
| *  | Tub and Cylinder Assy.                         | 9869-034-001 | 1   |
| *  | Plastic Plug 1 1/2"-(inside cylinder)          | 9456-041-007 | 1   |



14,  
16,  
18  
19





Notes

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# **Section 12:**

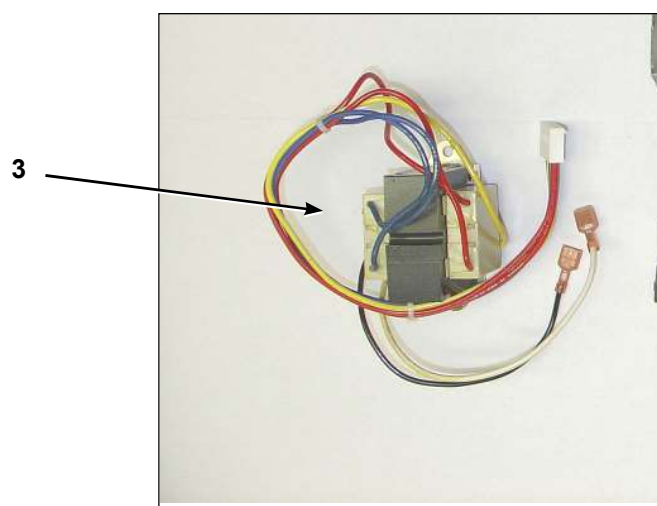
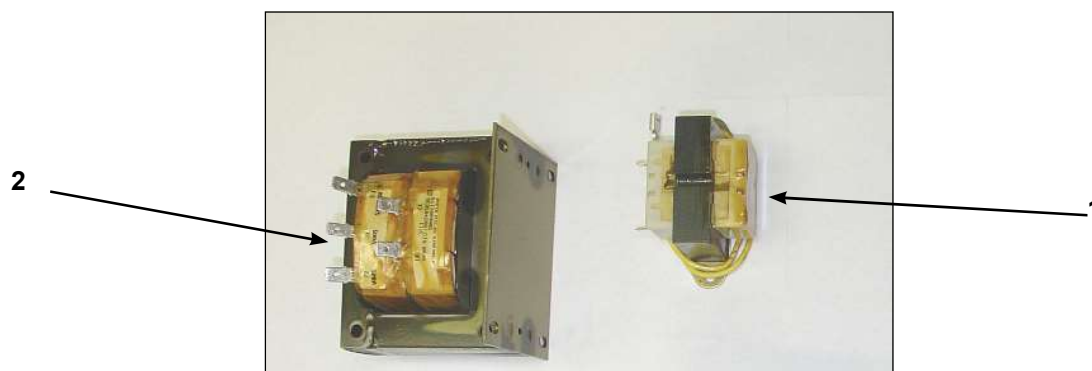
## **50 Hz Washer**

### **Models**

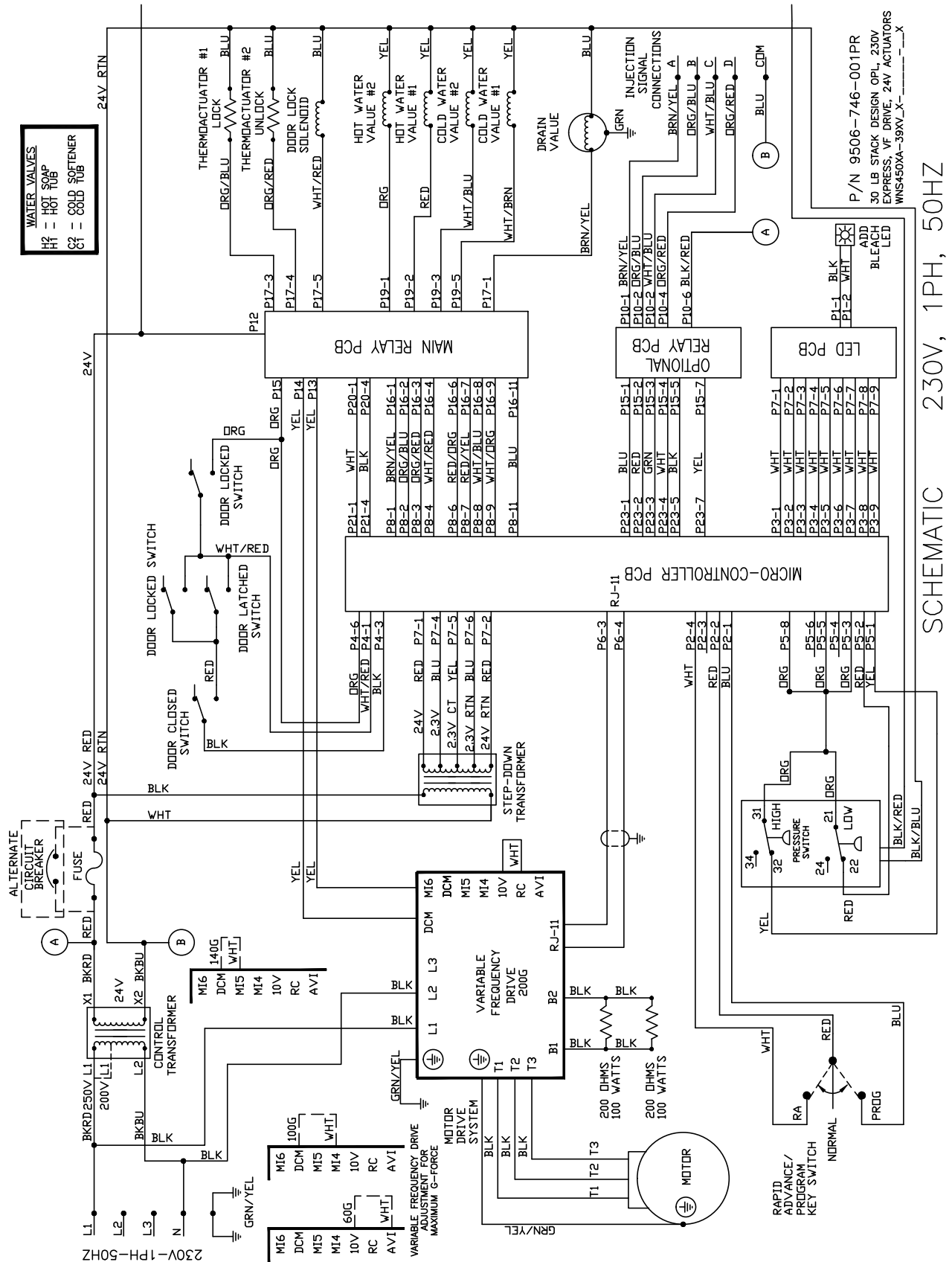
Parts in this section used only in these models. All other parts are same as standard 60 Hz pages.

## Transformers -21 Models

| KEY | Part Description            | WSAD30KCS-21CR | QTY |
|-----|-----------------------------|----------------|-----|
| *   | Wire Assembly -Orange/White | 8220-001-235   | 1   |
| *   | Wire Assembly -Blue         | 8220-001-338   | 1   |
| 1   | Transformer-120/18zVAC,5VA  | 8711-015-001   | 1   |
| 2   | Transformer, Control        | 8711-004-002   | 1   |
| 3   | Transformer, Secondary      | 8711-009-002   | 1   |
| *   | Wiringlabel-Schematic       | 9506-174-001   | 1   |
| *   | Wiringlabel-Diagram         | 9506-175-001   | 1   |
| *   | Controlsassembly -Trough    | 9857-156-005   | 1   |



# Wiring Schematic for 50hz Washer -21CR



SCHEMATIC 230V, 1PH, 50HZ

# Wiring Diagram for 50hz Washer - 21CR

