

| Model | No. | 41080 | -90001 | & UP | |
|-------|-----|-------|--------|------|--|
| Model | No. | 41021 | -90001 | & UP | |
| Model | No. | 41031 | -90001 | & UP | |
| Model | No. | 41220 | -90001 | & UP | |
| Model | No. | 41223 | -90001 | & UP | |
| Model | No. | 41230 | -90001 | & UP | |

SET-UP AND PARTS LIST

PRO CONTROL SPRAY SYSTEM for the WORKMAN® Vehicle

Refer to the illustrated Parts List for details of parts used in assembling the Pro-Control ™ System.

NOTE: "Right", "Left", "Front" and "Rear" are referenced while seated in the operator's position.

1. Install the TORO APU Electric Clutch Kit as per the instructions provided with that kit.

SPEED SENSOR INSTALLATION:

Remove four bolts and discard the Aluminum Cover located on top of Transaxle. Apply a thin bead of RTV sealer around the outer bottom edge (side opposite tapped hole) of the the new Sensor Cover. Position the Sensor Cover on the Transaxle as shown in FIG. 1 and secure with bolts earlier removed. Apply a few drops of oil to the Speed Sensor and insert into Sensor Cover. Secure with the M6-12 screw and M6 lockwasher provided.

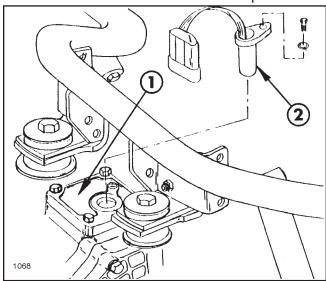


FIG. 1

1. Sensor Cover Assy. 2. Speed Sensor

PUMP INSTALLATION:

- 1. Slide Pulley Spacer onto the pump shaft and install Square Key into pump shaft keyway. Place the Pump Pulley on the pump shaft and secure with a 5/16" x 3/4" hex hd. cap screw, 5/16" I.D. 10 GA. flat washer, and lockwasher. See FIG. 2.
- 2. Attach the Idler Pivot Bracket to the Pump by removing the two pump housing bolts and replace with the (2) 3/8"x 1" hex hd. cap screws (FIG. 2).

3. Install one flange bushing into each end of the Idler Pivot assembly tube and attach to the Idler Bracket using the 3/8" x 3" hex hd. cap screw and locknut (FIG. 2).

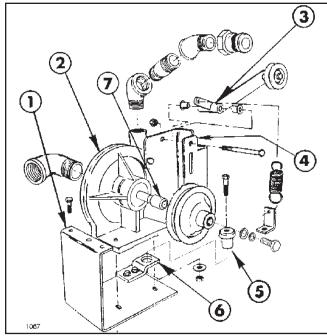


FIG. 2

- 1. Pump Mounting Brkt. 5.
 - 5. Rubber Mount
- 2. Centrifugal Pump
- 6. Tab Mount
- 3. Idler Pivot Assy
- 7. Pulley Spacer
- 4. Idler Pivot Brkt.
- 4. Mount the small Inside Idler Pulley on the long arm of the Idler Pivot Assy. using the 3/8" x 2-3/4" hex hd. cap screw, 7/8" spacer, and locknut. **Shim as required between Idler Pivot Assy and Inside Idler Pulley with the (3) 3/8" flat washers to align with Pump Pulley.** Attach the Tension Spring to the short arm of the Idler Pivot Assy. See FIG. 2.

NOTE: In the following instructions, sealer refers to Teflon Tape when used for pipe fittings.

5. Apply sealer and install the 90° x 1-1/4" street elbow into the suction port of the Pump. Apply sealer and install 1"x 3" nipple, (2) 45° x 1" elbows, and Quick Adapter into the discharge port of the Pump (FIG. 2).

6. Install the Rubber Mount into the Tab Mount and loosely attach the Tab Mount to the Pump Mounting Bracket using the (2) 3/8" x 1" hex hd. cap screws, flatwashers, and locknuts (FIG. 2).

NOTE: For the installation of the Pump Mounting Plate, it is necessary to first remove the rear mounting bolt in the Hydraulic Valve. If equipped with the Auxiliary Hydraulics package, it is necessary to remove the last two mounting bolts for that valve. This will allow for the usage of the bolt holes to properly install the Pump Mounting Plate. Reuse the fasteners earlier removed.

- 7. Attach the Pump Mount Bracket assembly to the left side of the vehicle frame using the (3) 5/16" x 1" hex hd. cap screws, lockwashers, and hex nuts (Fig. 4). Insert the 3/8" x 1-1/2" hex hd. cap screw through the Rubber Mount and attach to the vehicle frame member using the 3/8" I.D. 10 GA. flat washer, and locknut (FIG. 2). Tighten all fasteners securely.
- 8. At the Hydraulic Control Valve, loosen and disconnect the fittings for two R.H. Dump Cylinder Hoses. Reroute these hoses to the underside of the Pump Suction Hose. Reconnect and tighten fittings. Secure all hoses and cables with tie straps to ensure they do not rub against pump pulleys and belts. See FIG. 3.

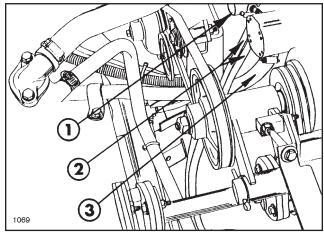


FIG. 3

- 1. Hydraulic Control Valve 3. Pump Suction Hose
- 2. R.H. Dump Cylinder Hoses
- 9. Mount the Pump and the Spring Tab to the Mounting Plate using the (2) 3/8" x 1-1/2" hex hd. cap screws, flat washers, and locknuts. Attach the Tension Spring to hole in Spring Tab (FIG. 2).
- 10. Apply thread sealer and install 1-1/4" close nipple, Suction Strainer, 90° st. elbow, reducing nipple and Quick Adapter into the suction side of the Pump (FIG. 4).

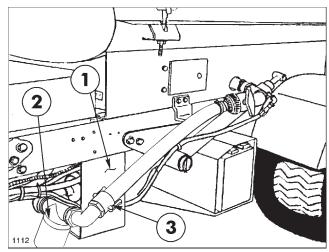


FIG. 4

- 1. Pump Mounting Brkt. 3. Quick Adapter
- 2. Strainer

11. Install the Pump Drive Belt on the pulleys as shown in FIG. 5. After installation of the Belt, loosely mount the Backside Idler Pulley in the long slot on the Idler Pivot Bracket using 3/8" x 2" carriage bolt, 3/4" spacer, hex nut, lockwasher, and (2) flat washers. With the Belt on the topside of the Idler Pulley, slide pulley up until all the slack is removed from the Belt, then tighten nut on the carriage bolt. To apply tension to the Belt, place the Inside Idler Pulley under the Belt. See FIG. 5.

NOTE: On models equipped with the diesel engine, the enclosed hose protector and nylon tie must be installed on the Lower Radiator Hose next to the Street Elbow in the suction port of the Pump. On models equipped with the liquid cooled gas engine, install the hose protector and nylon tie on the Upper Radiator Hose above the Pump Belt. This is to prevent the hose from wearing through prematurely.

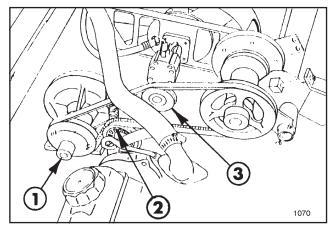


FIG. 5

- 1. Pump Pulley
- 3. Inside Idler Pulley
- 2. Backside Idler Pulley

CONTROL CONSOLE & HARNESS INST:

- 1. Unplug the wire harness connectors from both Headlights.
- 2. Remove (15) screws and washers securing Front Hood to vehicle frame and remove hood.
- Temporarily mount the Console Mounting Bracket to the upper dash support using two of the earlier removed machine screws and washers (FIG. 6).

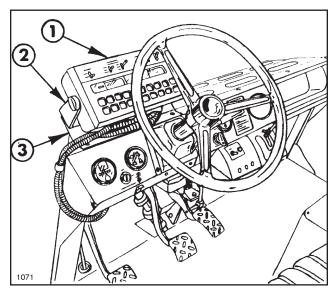


FIG. 6

- 1. Control Console
- 3. Console Mounting Bracket
- 2. "U" Console Brkt.
- 4. Using (2) 1/4" x 1" hex head cap screws, lock washers, and hex nuts, secure the "U" shaped Console Bracket to the metal Console Mounting Bracket and mount the Control Console within the "U" shaped bracket using the (2) mounting knobs (FIG. 6).
- 5. Connect the Console Control Cable plug to the back of the Console. Route the Control Cable under the dash and through the opening in the floorboard (FIG. 7). Loosen the bolts on the channel under the floorboard and feed the cable through the channel. Connect the Extension Cable to the Console Cable and route along the left side of the vehicle to the rear of vehicle frame.
- 6. Connect the Speed Sensor Cable plug to the back of the Console. Route the Speed Control Cable under the dash, through the opening in the floorboard and through the channel under the floor (FIG. 7). Route the remaining cable along the left side of the vehicle and connect to the Speed Sensor located on top of the transaxle.
- 7. Locate and mount the Frequency Divider using the #8 x 1-1/4" machine screw and #8 nut in the existing hole found on the underside of the top dash support frame. See FIG. 7.

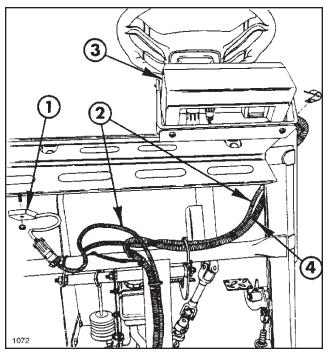


FIG. 7

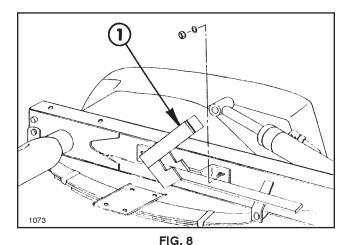
- 1. Frequency Divider
- Control Console
- 2. Speed Sensor Cable
- 4. Console Control Cable
- 8. Plug the connector from the Speed Sensor Cable into the Frequency Divider (FIG. 7).
- 9. Re-tighten the bolts on the channel under the floorboard.
- 10. Turn the "POWER ON/OFF" Switch to "OFF".
- 11. Route red and white battery wires of Console Control Cable to auxiliary Fuse Block. Connect the red wire to a wire from Fuse Block and ground the white wire to the ground terminal bolt.
- 12. Insert 20 amp Fuse into the corresponding slot of the Fuse Block and affix Decal marking fuse for the spray system.
- 13. Secure all wiring along vehicle frame and under dash panel with plastic cable ties furnished.

NOTE: It may be necessary to leave the hood off to mount other accessories. If so, do not complete steps 14-16 until all other accessories are installed.

- 14. Remove the (2) screws that hold the Console and Console Mounting Bracket to the vehicle.
- 15. Reinstall the hood and remount the Console Mounting Bracket using the (15) screws and washers earlier removed. Install the "R" clamp on the Console Control Cable and secure (FIG. 7).
- Reconnect the wire harness connectors to both Headlights.

TANK INSTALLATION:

1. Remove (2) 3/8" nuts and attaching bolts that hold the left rear fender to the vehicle frame. Place a 10 GA. flat washer on each bolt. Install bolts through fender and vehicle frame and mount the Tank Support Bracket with these bolts. Reinstall the nuts and tighten securely. See FIG. 8.



Tank Support Brkt.

- 2. Cut the shipping straps and remove the Spray Tank and Skid Assembly from the shipping pallet.
- 3. Install the two trim pieces on the middle and right cutouts at the front of the Tank Skid.
- 4. Place the Tank Saddle assembly onto the vehicle frame. Secure it to the vehicle frame by sliding the (2) 3/4" dia. clevis pins through the rear mounting lugs and the vehicle frame. Install (4) lynch pins into the clevis pins. See FIG. 12.
- 5. Install the Anti-Siphon device as shown in the the Anti-Siphon Kit instructions provided.
- 6. Mount the right Hold-In Brace assembly to the (2) 5/16" carriage bolts in the front Tank Band using (2) 5/16" flatwashers and hex nuts. Tighten securely See FIG. 9.
- 7. Attach the right Boom Hold-In assembly to the Hold-In Brace assembly using (2) 1/4" U-bolts and (4) 1/4" lock nuts. Attach Rubber Hold-Down to Boom Hold-In assembly. See FIG. 9.
- 8. Repeat steps 6 and 7 for the left side of vehicle.
- 9. Mount Wash Tank Bracket (open end forward) to right-hand Hold-In Brace assembly using (2) 5/16" x 1" hex hd. cap screws, flat washers and hex nuts. Place Clean Water Wash Tank into Wash Tank Bracket and secure with Rubber Hold-Down as shown in FIG. 9.

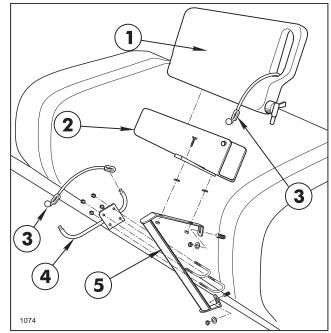


FIG. 9

- 1. Clean Water Wash Tank
- 4. Boom Hold-In Assy.
- 2. Wash Tank Bracket
- 5. Hold-In Brace Assy.
- 3. Rubber Hold-Down
- 10. Raise and support the front of the Tank Saddle assembly approximately 30 40 degrees to gain access to the engine compartment area.
- 11. Assemble (2) 3/8" long Spacers, a clevis pin, and a cotter pin to one end of the Strut Support Rod (FIG. 10).
- 12. Insert end of the Rod Assembly with installed spacers through Support Bracket located on the left side of the vehicle. Attach the other end to the inside of the Tank Skid at the rear bulkhead using a clevis pin and cotter pin. See FIG. 10.

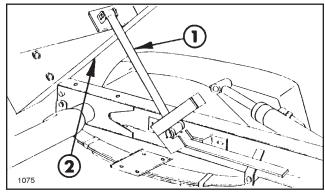


FIG. 10

- 1. Strut Support Rod 2. Tank Saddle Assy.
- 13. Locate and remove the (2) 1/2" bolts on each side of the vehicle frame and install the Attachment Mounting Bracket using the bolts earlier removed. Re-tighten the nuts and bolts securely (FIG. 11).

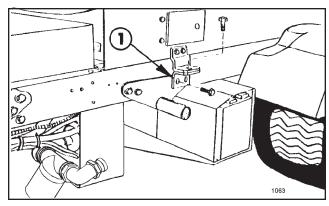


FIG. 11

- 1. Attachment Mounting Brkt.
- 14. Release the Strut Support Rod and lower the Tank Saddle assembly.

BOOM INSTALLATION:

NOTE: If installing the "Enclosed Boom" option replace the following sections with the instructions in the Enclosed Boom Set-up Manual.

- **BOOM INSTALLATION**
- **BOOM EXTENSIONS AND NOZZLES**
- **VALVES AND HOSES INSTALLATION steps** 8-10
- 1. Attach the two Boom Mount Upright angles onto the rear of the Tank Saddle extensions using (4) 1/2" x 1-1/4" hex hd. cap screws and locknuts (FIG. 12).

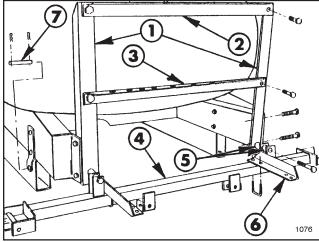


FIG. 12

- - Boom Mount Uprights 5. Spacer Tubes
- Upper Cross Support
- Center Boom Angle
- Lower Cross Support
- 3/4" Clevis Pin 7.
- Boom Main Frame
- NOTE: Steps 2-4 apply to the assembly of the standard boom only. If the optional "Boom Pivot Kit" is to be installed, see the instructions furnished with that kit. The lower cross support to be used with that kit is different than the support used on the standard boom.
- 2. Position the Lower Cross Support angle and attach it to the Boom Mount Upright angles with (2) 1/2" x 1-1/4" hex hd. cap screws and locknuts See FIG. 12.

- 3. Position the Upper Cross Support angle and attach it to the Boom Mount Upright angles with (2) 1/2" x 1-1/4" hex hd. cap screws and locknuts.
- 4. Position the Spacer Tubes between the Boom Mount Upright angles and the lugs on the Boom Main Frame tube. Secure Boom Main Frame tube to the Boom Mount Uprights with (2) 1/2" x 4" hex hd. cap screws and locknuts (FIG. 13).
- 5. Position the two Center Boom Angles on the Main Frame Tube and secure them to the Main Frame Tube with (2) square U-bolts, (4) flat washers, and (4) hex nuts (FIG. 12).
- 6. Center and attach the Center Boom Pipe to the Center Boom Angles with two clamps, 3/8" x 1" hex hd. cap screw, flat washers and lock nuts. See FIG. 13.

BOOM EXTENSIONS AND NOZZLES:

1. Loosely attach the Double Barb Turret assembly in the approximate center of the Center Boom Pipe. For most uniform spray coverage, position all turret assemblies as shown in FIG. 13.

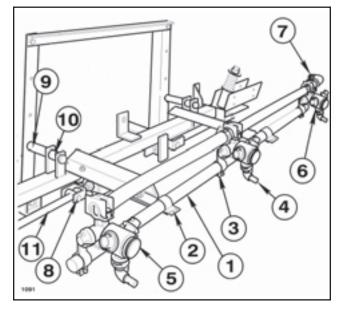


FIG. 13

- Center Boom Pipe
- 7. 90° Hose Barb
- Boom Clamp
- Adjustable Clevis Assy.
- Nozzle Body Clamp
- 1-1/4" Spacer Tube
- Double Barb Turret
- 10. 1" Spacer Tube
- 5. Single Barb Turret
- 11. Strut Assembly
- Threaded Barb Turret
- 2. Loosely attach a Single Barb Turret assembly to LH end of the Center Boom Pipe. Loosely attach Threaded Barb Turret assembly to RH end of the Center Boom Pipe. Place a hose clamp onto each end of two 3/4" x 19" jumper hoses and connect the two "end" turret assemblies to the Double Barb Turret assembly. Level space Nozzles 20" apart and tighten all fasteners securely. Apply thread sealer and install the 3/4" 90° Hose Barb on Threaded Barb Turret assembly. See FIG. 13.

3. Attach the Strut Assemblies to the Adjustable Clevis Assemblies found on each side of the Boom Main Frame tube with (2) 1/2" x 2" clevis pins and (2) 1/8" x 1" cotter pins (FIG. 13).

IMPORTANT: Do not over tighten nuts in steps 4 & 6. The clamping action could crush the Boom Pipe.

4. Insert the plugged end of an Extension Boom Pipe into the Pivot Assembly and secure with (4) 1/4" x 1-1/4" hex hd. cap screws and locknuts. Repeat on the opposite side to assemble the other extension boom. See FIG. 14.

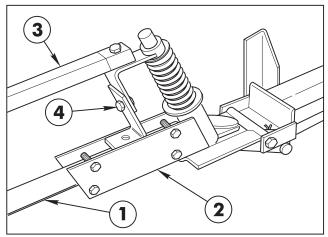


FIG. 14

- 1. Extension Boom Pipe
- 3. Boom Support Assy.
- 2. Pivot Assembly
- 4. Height Adjustment
- 5. Attach the LH Boom Support Assembly to the Pivot Assembly at LH end of Boom Main Frame, using a 5/16"x 1-1/2" screw and locknut (FIG. 14 & FIG. 15).

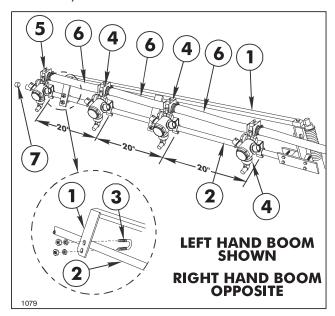


FIG. 15

- 1. Boom Support Assy.
- Single Barb Turret
- Extension Boom Pipe
 U-bolt
- 7. Boom Cap
- 4. Double Barb Turret
- 8. Jumper Hose, 3/4 x 21"

Jumper Hose, 3/4 x 19"

- 6. Secure the two plates of Boom Support Assembly to the Extension Boom Pipe, using (2) 1/4" U-bolts, (4) flat washers, and (4) locknuts (FIG. 15).
- 7. Assemble the RH Boom Support Assembly to the other Extension Boom Pipe.
- 8. At the Adjustable Clevis Assemblies (See FIG. 13), adjust the booms to the level position by adjusting the jam nuts to the desired position, then tighten the end nuts against the Boom Main Frame support member.
- 9. Attach three Double Barb Turret assemblies and one Single Barb Turret assembly with Nozzle Body Clamps on each extension boom pipe as shown in FIG. 15.
- 10. Level Nozzles and space 20" apart. Connect the Turret Body assemblies with the 3/4" x 19" jumper hoses. Secure with hose clamps. See FIG. 15.

NOTE: Two Jumper Hoses provided with this kit are 21" long. They may be cut to 19" long for this set-up.

11. Install the plastic Boom Cap over the ends of the Boom Pipes.

VALVES AND HOSES INSTALLATION:

1. Apply thread sealer and install the 1" x 3/4" Reducing Nipple in the outlet port of the Motorized Control Valve and the 1" Hose Barb in the inlet port. Connect the Motorized Control Valve and the Solenoid Assembly by screwing the two together. See FIG. 16.

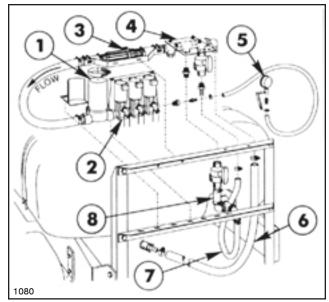


FIG. 16

- Motorized Control Valve
- 5. Pressure Gauge6. Supply Hose
- Solenoid Assembly
 Flow Meter
- 7. Agitator Hose
- 4 x 21" 4. Tee Assembly
- 8. Connector Hose

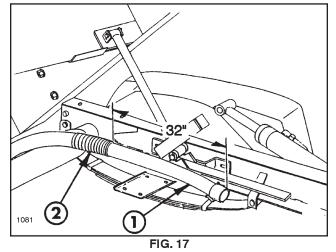
- 2. Apply thread sealer and install a 3/4" 90° Hose Barb into the outlet port of the each Solenoid Valve. Install 3/4" x 1/4" Reducer Bushing and 1/4" x 3/8" Hose Barb in the end of Solenoid Assembly. See FIG. 16.
- 3. Loosely attach the Motorized Control Valve Bracket to the Lower Cross Support with (2) 5/16" x 3/4" hex flange hd. screws and flange lock nuts.
- 4. Install two (2) Grommets in 1" holes in Solenoid Mounting Bracket.
- 5. Slide head of M6 x 16mm hex hd. screw to the top of the mounting groove of each Solenoid Valve. Assemble Motorized Control Valve and Solenoid assembly to the Solenoid Mounting Bracket using three (3) M6 x 16mm screws just installed. Secure with three (3) M6 nuts and lockwashers.
- 6. Install Valve and Bracket assembly to the Lower Cross Support as shown in FIG. 16. Secure with two (2) 5/16 x 3/4 hex flange hd. screws and flange lock nuts.
- 7. Secure the Motorized Control Valve to the Motorized Control Valve Bracket with the large hose clamp. Tighten all fasteners securely.
- 8. Connect the three (3) 3/4" x 50" Boom Feeder Hoses to the 90° barbs in the Solenoid Valves and secure with hose clamps.
- 9. Place a hose clamp on the center boom Feeder Hose and attach it to the 90° hose barb at the RH end of the Center Boom Pipe.
- 10. Place a hose clamp on the right and left boom Feeder Hoses and attach them to the Double Barb Turret Bodies on the right and left Extension Boom Pipes.
- 11. Assemble the Pressure Gauge and the 1/4" x 3/8" 90° Hose Barb to the Gauge Bracket. Remove the protective cap and mount the bracket to the carriage bolt in the rear Tank Band, using a 5/16" flange lock nut (FIG. 16).
- 12. Connect the Pressure Gauge to the Solenoid assembly with the 3/8" x 36" hose. Secure the hose with hose clamps (FIG. 16).

TEE ASSEMBLY & FLOW METER:

NOTE: Direction of flow is labeled on Flow Meter.

- 1. Apply sealer and install the 1" x 1-1/4" Hose Barb into the LH end of the Tee Assembly and a 1" x 3/4" Hose Barb into the existing Ball Valve at the Tee Assembly (FIG. 16).
- 2. Remove the pipe plug in the bottom of the middle tee. Apply sealer and install a 1" Close Nipple, 1" Ball Valve, and a 1" x 1" Hose Barb (FIG. 16).

- 3. Mount the Tee Assembly and bracket to the Upper Cross Support with (2) 5/16" x 1" hex hd. caps screws, flatwashers, lockwashers, and nuts (FIG. 16).
- 4. Install a 1-1/4" x 3" Connector Hose on each end of the Flowmeter and secure with hose clamps. Install the 1-1/4" x 1" Hose Barb adapter into the Connector Hose that is on the outlet port of the Flowmeter.
- 5. Mount the Flowmeter Bracket to the Upper Crossmember using (2) 5/16" x 3/4" hex flange hd. screws and flange lock nuts. See FIG. 16.
- 6. Slide the inlet end of the Flowmeter Assembly on the 1-1/4" hose barb in the Tee Assembly. Secure with (2) hose clamps. See FIG. 16.
- Secure the Flowmeter Assembly to the mounting bracket with the two large hose clamps.
- 7. Connect one end of the 1" x 30" hose to the Motorized Control Valve and connect the opposite end to the adapter in the Flowmeter Connector Hose. Secure with hose clamps. See FIG. 16.
- 8. Apply sealer and install the 1" 90° Hose Barb in the Rear Tank Tee (FIG. 16).
- 9. Install 1" Quick Coupler on the end of the 1" x 100" Supply Hose and secure with hose clamp. Connect the Supply Hose to discharge port on the Pump with Quick Coupler. Route the hose along left side of the vehicle under Tank, connect the other end of hose to the 90° Hose Barb at the RH end of the Tee Assembly and secure with a hose clamp. See FIG. 16. Secure hose at cable mounting bracket and rear cross member with tie straps.
- 10. Install the Protective Hose Loom on the 100" Pressure Hose as shown in FIG. 17. Secure loom to hose by tightening a tie strap around each end of loom so that loom does not shift front to rear.



I. 100" Supply Hose 2. Protective Loom

- 11. Connect the 3/4" x 28" Agitator Hose to the RH Ball Valve and connect the other end to the Hose Barb in the Rear tank Tee. Secure the hose with hose clamps. See FIG. 16.
- 12. Connect the 1" x 5" Connector Hose between the Ball Valve in the center tee and the 90° Hose Barb in the left side of the Rear Tank Tee. See FIG. 16. Secure with hose clamps.

FLOW CONTROL CABLE:

- 1. Locate the Extension Cable and connect it to the Fowmeter Cable. Route the cable up, along the Boom Frame Upright Angle, to make connections to the Motorized Control Valve and the Solenoid Valves. See FIG. 18.
- 2. Connect the rubber plug to Motorized Control Valve. Feed the other wires through the two Grommets in the Solenoid Mounting Bracket. Connect the black wire on left solenoid, brown on middle solenoid, blue on right solenoid, and a white jumper on all three solenoids (FIG. 18).

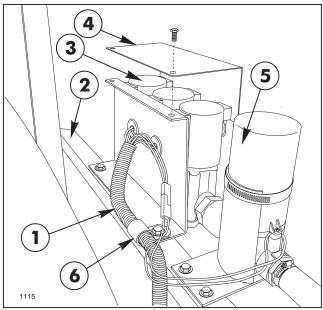


FIG. 18

- 1. Flow Control Cable
- 4. Solenoid Valve Shield
- Cross Support Angle 5.
- 5. Motorized Control Valve
- 3. Solenoid Assembly
- 6. R-clamp

- 3. Secure cable to the Boom Frame and the vehicle frame with R-clamp and tie straps provided (FIG. 18).
- 4. Install Solenoid Valve Shield to top of Solenoid Mounting Bracket and secure with (2) 1/4" x 3/8" hex flange hd. screws (FIG. 18).

RADIATOR COVER AND FINAL CHECKS:

- 1. Raise and support the Tank/Skid Assembly with the Strut Rod Support.
- 2. Mount Radiator Cover to vehicle frame using four (4) 3/8" x 1" hex hd. cap screws and flat washers. On some models, it may be necessary to use (2) nuts provided to mount cover at the rear mounting holes.
- 3. Release Strut Rod and lower Tank Assembly.
- 4. Secure the Tank Skid to the vehicle frame by installing (2) 1/2" bolts, (4) washers, and (2) locknuts through the Attachment Mounting Brackets (FIG. 11). Tighten fasteners securely.
- 5. Attach suction hose to suction strainer using the quick couplers.
- 6. Recheck and tighten all fasteners and hose clamps securely.
- 7. Fill the Tank with clean water and check for any leaks.
- 8. Refer to the Pro-Control Operator's Manual for the proper calibration and operation of the Pro-Control Spray System.

| NOTES: | |
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SAFETY INSTRUCTIONS

The following safety and instruction decals are installed on the XXXX. If any become damaged or illegible, replace them. Decals and part numbers are listed below and in the parts catalog. Order replacements from your Authorized Toro Distributor.



Part No. 75-5190: Located on Radiator Cover top, front & rear (2).



Part No. 92-2663: Located at Fuse Block (1).



Part No. 80-8040: Located on Radiator Cover top, front & rear (2).



Part No. 87-0570: Located on rear Tank Band (2).



Part No. 36-3400: Located on Radiator Cover top sides (2).



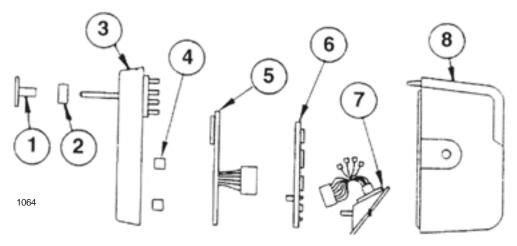
Part No. 92-2669: Located on Tank Skid - left side @ strut (1).



Part No. 93-0688: Located on Tank Lid (1).

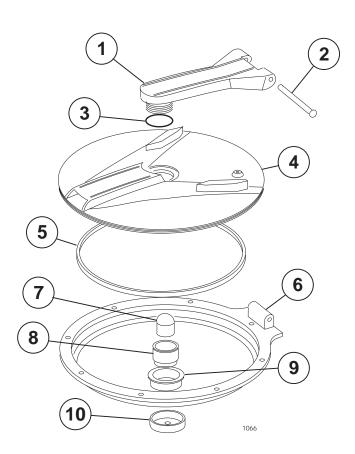


Part No. 62-5550: Located on Tank sides (2).



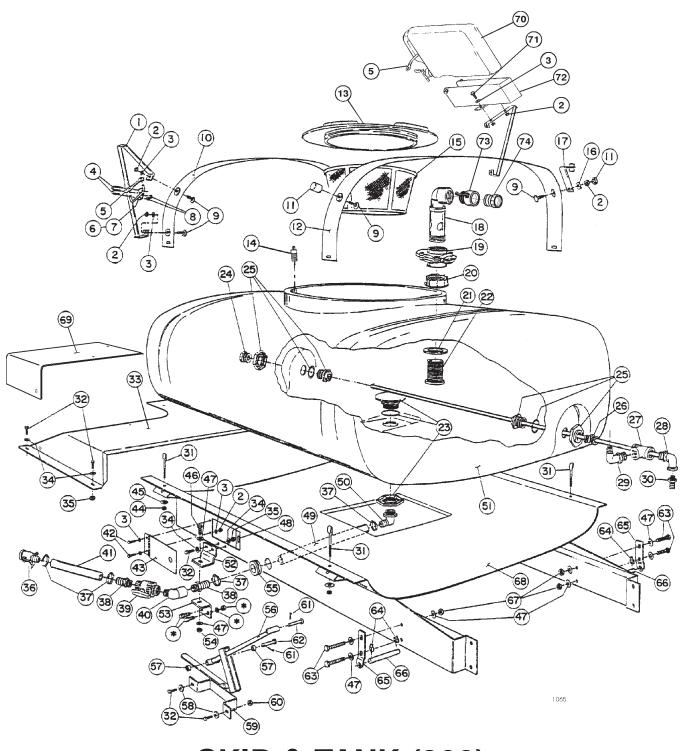
Pro Control™ Console (3000)

| | | • | |
|------|----------|----------------------|------|
| Ref. | Part No. | Description | Qty. |
| 1 | 93-0907 | Switch Cover | 1 |
| 2 | 93-0908 | 1-Set Filler Spacers | 1 |
| 3 | 93-0909 | Face Plate Assy | 1 |
| 4 | 93-0910 | Display Board Spacer | 1 |
| 5 | 93-0911 | LCD Display Board | 1 |
| 6 | 93-0912 | Processor Board | 1 |
| 7 | 93-0913 | Connector Plate Assy | 1 |
| 8 | 93-0914 | Back Assy | 1 |
| | | | |



TANK LID ASSY (94-7088)

| Ref. | Part No. | Description | Qty. |
|------|----------|--------------------|------|
| 1 | 94-7205 | Swivel Arm | 1 |
| 2 | 94-7213 | Pivot Pin | 1 |
| 3 | 94-7206 | O-Ring, EPDM | 1 |
| 4 | 94-7207 | Spray Tank lid | 1 |
| 5 | 94-7208 | Gasket, EPDM | 1 |
| 6 | 94-7211 | Tank Lid Ring | 1 |
| | 93-0833 | Aluminum Pop-Rivet | 8 |
| 7 | 94-7209 | Breather Plunger | 1 |
| 8 | 94-7210 | Breather Body | 1 |
| 9 | 94-7212 | Breather Nut | 1 |
| 10 | 94-7214 | Breather Cap | 1 |



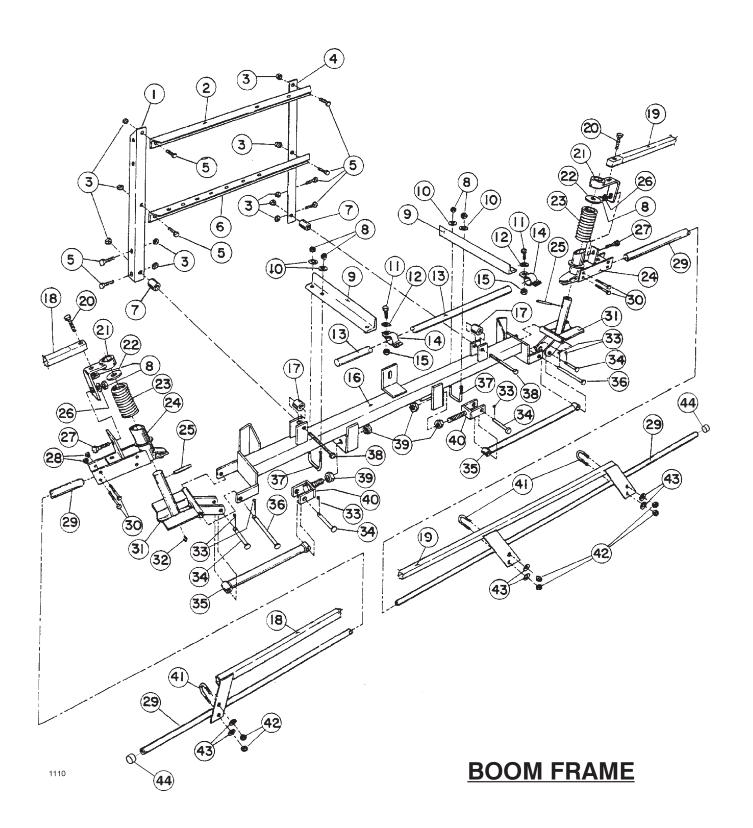
SKID & TANK (200)

* INDICATES FASTENERS INCLUDED WITH THE VEHICLE

SKID & TANK (200)

| Ref. | Part No. | Description | Qty. | Ref. | Part No. | Description | Qty. |
|------|----------|---------------------------|------|------|----------|----------------------------|----------|
| 1 | 42983 | Hold-In Brace Assy | 2 | 36 | 40480 | Female Quick Coupler, 1" | 1 |
| 2 | 3217-6 | Hex Nut, 5/16 | 12 | 37 | 21146 | Hose Clamp | 4 |
| 3 | 3256-23 | Flatwasher, 5/16 S.A.E. | 14 | 38 | 92-0012 | Hose Barb, 1" NPT x 1" | 2 |
| 4 | 92-0010 | U-Bolt, 1/4 | 4 | 39 | 40020 | Ball Valve, 1" NPT | 1 |
| 5 | 42198 | Rubber Hold-Down Strap | 3 | 40 | 41307 | 90 St. Elbow, 1" NPT | 1 |
| 6 | 42259 | Boom Hold-In -L.H. | | 41 | 94-8506 | Suction Hose, 1" x 21" | 1 |
| | | (shown) | 1 | 42 | 322-3 | HHCS, 5/16 x 3/4 | 4 |
| 7 | 42316 | Boom Hold-In - R.H. | | 43 | 92-0135 | Door Assy | 1 |
| | | (opposite) | 1 | 44 | 3217-8 | Hex Nut, 7/16 | 4 |
| 8 | 3217-5 | Hex Nut, 1/4 | 8 | 45 | 3256-5 | Flatwasher, 7/16 | 4 |
| 9 | 3230-9 | Carriage Bolt, 5/16 x 3/4 | 6 | 46 | 325-6 | HHCS, 1/2 x 1 1/2" | 2 |
| 10 | 92-3666 | Tank Band - Front | 1 | 47 | 3256-26 | Flatwasher, 1/2 S.A.E. | 12 |
| 11 | 42452 | Protective Cap | 2 | 48 | 92-3700 | Door Magnet | 2 |
| 12 | 3253-4 | Lock Washer, 5/16 | 1 | 49 | 92-3677 | Suction Hose, 1" x 30" | 1 |
| 13 | 94-7088 | Tank Lid, Hinged | | 50 | 42057 | 90 Elbow, 1 1/4" MPT x 1" | 1 |
| | | (f/w Tank Assy.) | 1 | 51 | 92-8172 | Tank Assembly - 200 gal. | 4 |
| 14 | 93-1092 | Drain Plug | 1 | 52 | 92-0159 | Front Mtg. Bracket | 1 |
| 15 | 42323 | Filler Basket - 16" | | 53 | 92-2667 | Attachment Mtg. Bracket | 1 |
| | | (f/w Tank Assy) | 1 | 54 | 32153-5 | Lock Nut, 1/2 | 2 |
| 16 | 92-3667 | Tank Band - Rear | 1 | 55 | 40764 | Grommet | 1 |
| 17 | 42277 | Pressure Gauge Bracket | 1 | 56 | 92-3750 | Strut Assy | 1 |
| 18 | 43069 | Stand-Up Assy | 1 | 57 | 92-0909 | Pivot Spacer | 2 |
| 19 | 43067 | Knife Valve | 1 | 58 | 356308 | Washer, #10 ga. | 2 |
| 20 | 43068 | Fly Nut, 2" NPT | 1 | 59 | 92-3690 | Strut Support Bracket Assy | 1 |
| 21 | 43067 | Sealing Washer | 1 | 60 | 321397 | Flange Nut, 3/8 | 2 |
| 22 | 43066 | Bulk Head, 2" NPT | 1 | 61 | 3272-11 | Cotter Pin, 1/8 x 1" | 2 |
| 23 | 41798 | Anti-Vortex Fitting, | | 62 | 42195 | Clevis Pin, 1/2" x 2" | 2 |
| | | 1-1/4 NPT (f/w Tank Assy) | 1 | 63 | 325-11 | HHCS, 1/2 NC x 2 2/4" | 4 |
| 24 | 41315 | Hex Plug, 1" NPT | 1 | 64 | 92-1298 | Lynch Pin | 4 |
| 25 | 41800 | Tank Fitting, 1" NPT | | 65 | 92-0158 | Pivot Lug | 1 |
| | | (f/w Tank Assy) | 1 | 66 | 92-1233 | Clevis Pin, 3/4 x 4 7/16" | 2 |
| 26 | 41304 | Close Nipple, 1" NPT | 1 | 67 | 3217-9 | Hex Nut, 1/2 NC | 4 |
| 27 | 41305 | Tee, 1" NPT | 1 | 68 | 92-8173 | Skid Assy | 1 |
| 28 | 92-3630 | Agitator Tube Assy | 1 | | 92-3752 | Cutout Trim | 1 |
| 29 | 41140 | 90 Elbow, 1" NPT x 1" | 1 | | 92-3753 | Cutout Trim | 1 |
| 30 | 41257 | Hose Barb, 3/4 NPT x 3/4 | 1 | 69 | 93-6427 | Radiator Cover - Panel | 1 |
| 31 | 92-3668 | "J"-Bolt | 4 | | 32144-10 | Hex WS Screw, 1/4 x 5/8 | 3 |
| 32 | 323-6 | HHCS, 3/8 x 1" | 10 | 70 | 92-3976 | Clean Water Wash Tank | 1 |
| 33 | 93-6199 | Radiator Cover | 1 | 71 | 322-5 | HHCS, 5/16 x 1" | 2 |
| | 92-3627 | Trim - 5 5/8" | 1 | 72 | 92-3969 | Wash Tank Bracket | 1 |
| | 42657 | Trim - 26" | 1 | 73 | 92-0238 | Quick Coupler | 1 |
| 34 | 3256-24 | Flatwasher, 3/8" | 12 | 74 | 041316 | Quick Adapter | 1 |
| 35 | 3217-7 | Hex Nut, 3/8 | 6 | | | | <u> </u> |

^{*} Not illustrated



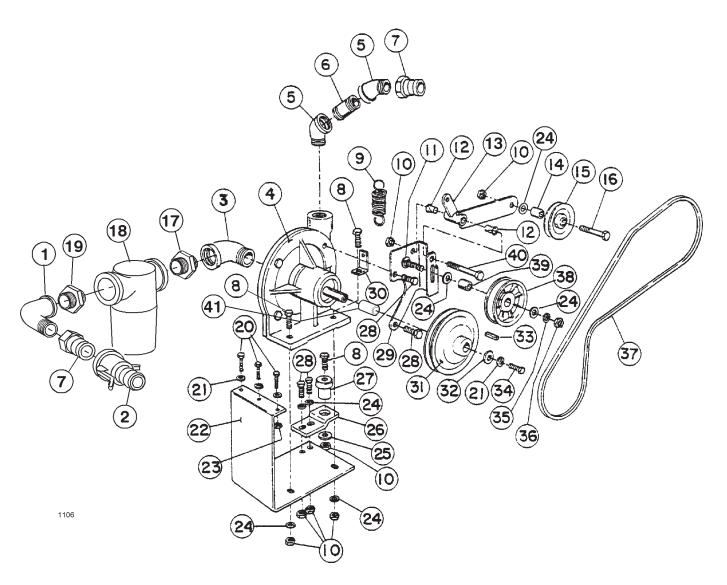
BOOM FRAME

| | | _ | |
|------|----------|------------------------|------|
| Ref. | Part No. | Description | Qty. |
| 1 | 92-3671 | Boom Mtg Angle - L.H. | 1 |
| 2 | 92-3672 | Cross Angle - Upper | 1 |
| 3 | 32153-5 | Lock Nut, 1/2 | 10 |
| 4 | 92-3670 | Boom Mtg Angle - R.H. | 1 |
| 5 | 325-5 | HHCS, 1/2 x 1-1/4 | 8 |
| 6 | 42225 | Cross Support Angle | 1 |
| 7 | 42258 | SpacerTube, 1-1/4" Lg. | 2 |
| 8* | 3217-6 | Hex Nut, 5/16 | 8 |
| 9 | 42234 | Center Boom Angle | 2 |
| 10 | 3256-3 | Flatwasher, 5/16 | 4 |
| 11 | 323-6 | HHCS, 3/8 x 1" | 2 |
| 12 | 3256-4 | Flatwasher, 3/8 | 2 |
| 13 | 40493 | Center Boom Pipe | 1 |
| 14 | 40494 | Clamp Assy. | 2 |
| 15 | 32153-2 | Lock Nut, 3/8 | 2 |
| 16 | 42227 | Main Frame Tube-W. A. | 1 |
| 17 | 42257 | SpacerTube, 1" Lg. | 2 |
| 18 | 42711 | Boom Support AssyL.H. | 1 |
| 19 | 42710 | Boom Support AssyR.H. | 1 |
| 20 | 322-7 | HHCS, 5/16 x 1-1/2" | 2 |
| 21* | 42707 | Support Bracket Assy. | 2 |
| 22* | 3256-62 | Flatwasher, 1" S.A.E. | 2 |

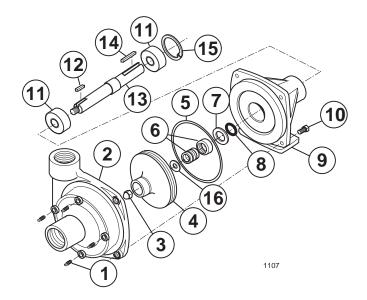
| Ref. | Part No. | Description | Qty. |
|------|----------|---------------------------|------|
| 23* | 42196 | Compression Spring | 2 |
| 24* | 42706 | Breakaway Pivot Assy. | 2 |
| 25* | 32121-78 | Spring Pin, 1/4 x 2" | 2 |
| 26* | 3256-23 | Flatwasher, 5/16 S.A.E. | 2 |
| 27* | 3230-1 | Carriage Bolt, 5/16 x 3/4 | 2 |
| 28 | 32146-17 | Lock Nut, 1/4 NC | 8 |
| 29 | 42282 | Ext. Boom Pipe Assy. | 2 |
| 30 | 321-10 | HHCS, 1/4 x 1-3/4 | 8 |
| 31* | 42243 | Hinge Assy. | 2 |
| 32* | 361011 | Grease Fitting | 2 |
| 33 | 3272-11 | Cotter Pin, 1/8 x 1" | 6 |
| 34 | 42195 | Clevis Pin, 1/2 x 2" | 4 |
| 35 | 42240 | Strut Assy. | 2 |
| 36 | 42194 | Clevis Pin, 1/2 x 4-1/2" | 2 |
| 37 | 301950 | U-Bolt, 5/16 | 2 |
| 38 | 325-17 | HHCS, 1/2 x 4" | 2 |
| 39 | 3217-11 | Hex Nut, 5/8 | 4 |
| 40 | 42237 | Adjustable ClevisAssy. | 2 |
| 41 | 92-0010 | U-Bolt, 1/4 | 4 |
| 42 | 32146-17 | Lock Nut, 1/4 | 8 |
| 43 | 3256-2 | Flatwasher, 1/4 | 8 |
| 44 | 92-8420 | Boom Cap | 4 |

^{*}Denotes parts that are available in an assembled unit.

Order #42840 Breakaway Assembly.



SPRAYER PUMP ASSEMBLY (3000)



CENTRIFUGAL PUMP (93-6505)

SPRAYER PUMP ASSEMBLY (3000)

| | | SPRATER PU | IVII |
|------|----------|-----------------------------|------|
| Ref. | Part No. | Description | Qty. |
| 1 | 41307 | 1" 90° Street Elbow | 1 |
| 2 | 40480 | Quick Coupler x 1" | 1 |
| 3 | 93-0887 | 90° St. Elbow, 1-1/4" | 1 |
| 4 | 93-6505 | Centrifugal Pump | 1 |
| 5 | 5706 | 45° St. Elbow, 1" | 2 |
| 6 | 92-3731 | Nipple, 1" x 3" | 1 |
| 7 | 41316 | Quick Adaptor, 1" | 2 |
| | 41318 | Dust Cap | 2 |
| 8 | 323-8 | HHCS, 3/8 x 1-1/2" | 3 |
| 9 | 67-1440 | Tension Spring | 1 |
| 10 | 32153-2 | Lock Nut, 3/8 | 7 |
| 11 | 3231-7 | Carriage Bolt, 3/8 x 2" | 1 |
| 12 | 52-2890 | Nyliner Bushing | 2 |
| 13 | 92-3742 | Idler Pivot Assy. | 1 |
| 14 | 92-3701 | Idler Spacer (Inside) | 1 |
| 15 | 68-0030 | Idler Pulley (Inside) | 1 |
| 16 | 323-13 | HHCS, 3/8 x 2-3/4" | 1 |
| 17 | 92-0050 | Close Nipple, 1-1/4" | 1 |
| 18 | 42701 | Suction Strainer | 1 |
| | 93-0687 | Bowl | 1 |
| | 94-7065 | Strainer Screen 20 mesh std | |
| | | (f/w 42701) | 1 |
| | 42702 | Strainer Screen 40 mesh | |
| | | (optional) | AR |

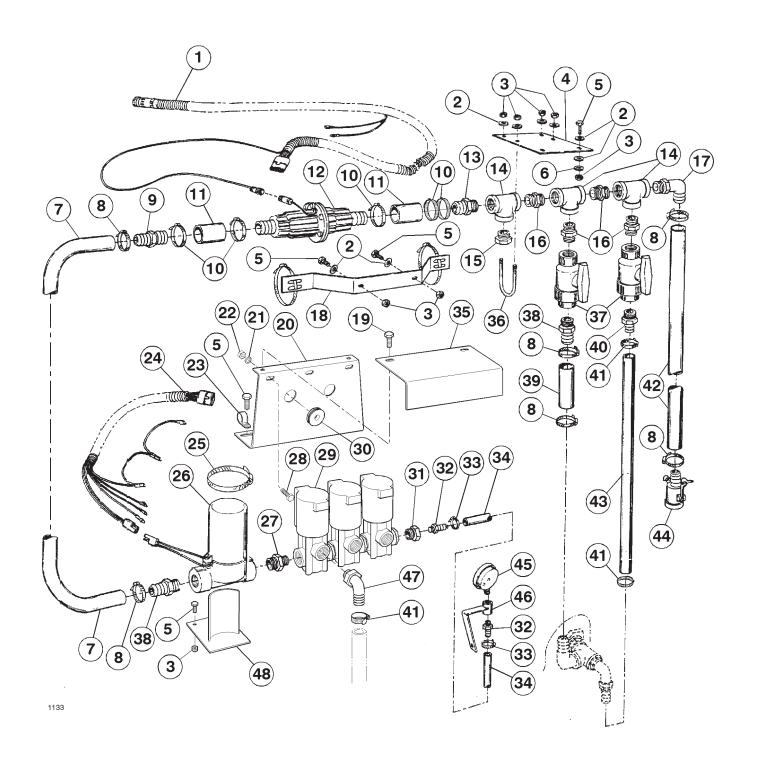
| Ref. | Part No. | Description | Qty. |
|------|----------|------------------------------|------|
| | 42703 | Strainer Gasket (f/w 42701) | AR |
| 19 | 42992 | Reducing Nipple, 1-1/4" x 1" | 1 |
| 20 | 322-5 | HHCS, 5/16 x 1" | 3 |
| 21 | 3253-4 | Lock Washer | 4 |
| 22 | 92-3725 | Pump Mounting Bracket | 1 |
| 23 | 3217-6 | Hex Nut, 5/16 | 3 |
| 24 | 3256-4 | Flatwasher, 3/8 | 7 |
| 25 | 356308 | Special Washer | 1 |
| 26 | 92-3726 | Tab Mount | 1 |
| 27 | 63-9750 | Rubber Mount | 1 |
| 28 | 323-6 | HHCS, 3/8 x 1" | 4 |
| 29 | 92-3740 | Pump Bracket | 1 |
| 30 | 92-3741 | Spring Tab | 1 |
| 31 | 92-2629 | Pump Pulley | 1 |
| 32 | 356303 | Special Washer | 1 |
| 33 | 92-0049 | Sq. Key, 3/16 x 1-1/4" | 1 |
| 34 | 322-3 | HHCS, 5/16 x 3/4 | 1 |
| 35 | 3253-11 | Lock Washer, 3/8 | 1 |
| 36 | 3217-7 | Hex Nut, 3/8 NC | 1 |
| 37 | 54-1360 | Drive Belt | 1 |
| 38 | 41353 | Idler Pulley (Backside) | 1 |
| 39 | 92-3746 | Idler Spacer (Backside) | 1 |
| 40 | 323-14 | HHCS, 3/8 NC x 3" | 1 |
| 41 | 94-8502 | Pulley Spacer | 1 |

CENTRIFUGAL PUMP (93-6505)

| Ref. | Part No. | Description | Qty. |
|------|----------|-------------------------|------|
| 1 | 42084 | Drain Plug | 4 |
| 2 | 94-8503 | Pump Casing | 1 |
| 3 | 42086 | Impeller Nut | 1 |
| 4 | 94-8504 | Impeller | 1 |
| 5* | 42089 | Oring | 1 |
| 6* | 42088 | Mechanical Seal (Viton) | 1 |
| 7 | 93-0924 | Seal Retainer | 1 |
| 8 | 42092 | Slinger Ring | 1 |
| | | | |
| | | | |
| | | | |
| | | | |

| Ref. | Part No. | Description | Qty. |
|------|----------|------------------|------|
| 9 | 93-0925 | Mounting Flange | 1 |
| 10 | 323-6 | Bolt | 4 |
| 11 | 93-0927 | Ball Bearing | 2 |
| 12 | 93-0928 | Key | 1 |
| 13 | 94-8505 | Pump Shaft | 1 |
| 14 | 93-0930 | Key | 1 |
| 15 | 42093 | Bearing Retainer | 1 |
| 16* | 93-0931 | Gasket | 1 |
| | | | |
| | | | |
| | | | |
| | | | |

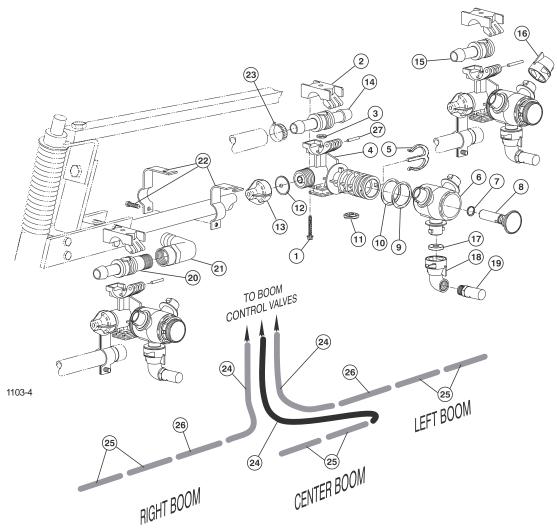
^{*}Denotes parts included in Seal/O-Ring Repair Kit.
Order Part No. 94-8520



PRO CONTROL SPRAY SYSTEM (3000)

| | | FRO CONTROL | _ 3 |
|------|----------|------------------------------|------|
| Ref. | Part No. | Description | Qty. |
| 1 | 92-3688 | Console Ctrl. Cable (18 ft.) | 1 |
| 2 | 3256-23 | Flatwasher, 5/16 | 8 |
| 3 | 32128-20 | Hex Nut, 5/16 | 10 |
| 4 | 92-3675 | Manifold Mtg. Plate | 1 |
| 5 | 3234-5 | HHCS, 5/16 x 3/4" | 8 |
| 6 | 3253-4 | Lock Washer, 5/16 | 2 |
| 7 | 92-3677 | Connector Hose, 1" x 30" | 1 |
| 8 | 21146 | Hose Clamp | 6 |
| 9 | 92-3638 | Adaptor, 1" HB x 1-1/4" HB | 1 |
| 10 | 41327 | Hose Clamp | 5 |
| 11 | 41320 | Adaptor Hose, 1-1/4" x 3" | 2 |
| 12 | 41482 | Flow Meter | 1 |
| 13 | 41308 | Hose Barb, 1" x 1-1/4" HB | 1 |
| 14 | 41305 | Tee, 1" | 3 |
| 15 | 41315 | Hex Plug, 1" | 1 |
| 16 | 41304 | Close Nipple, 1" | 4 |
| 17 | 41140 | 90° Elbow, 1" MPT x 1" HB | 1 |
| 18 | 41483 | Flow Meter Mtg. Brkt. | 1 |
| 19 | 3234-26 | HWHCS, 1/4 x 3/8" | 2 |
| 20 | 95-9238 | Solenoid Mounting Bracket | 1 |
| 21 | 48-8020 | Lockwasher, M6 | 3 |
| 22 | 43-2830 | Hex Nut, M6 | 3 |
| 23 | 41230 | R-Clamp | 1 |
| 24 | 92-3689 | Flow Control Cable (3 ft.) | 1 |
| 25 | 92-0054 | Hose Clamp | 1 |
| 25 | 92-0054 | Hose Clamp | |

| 27 41309 Reducing Nipple, 1" x 3/4" 28 48-7620 HHCS, M6 x 16mm 29 95-9236 Solenoid Valve Assy. (Trpl) 95-9237 Single Solenoid 30 42811 Grommet 31 41310 Reducer Bushing, 3/4 x 1/4 32 21121 Hose Barb, 1/4 x 3/8 HB 33 96609 Hose Clamp 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 35 95-9240 Solenoid Valve Shield 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | Ref. | Part No. | Description | Qty. |
|--|------|----------|-----------------------------|------|
| 28 48-7620 HHCS, M6 x 16mm 3 29 95-9236 Solenoid Valve Assy. (Trpl) 1 30 42811 Grommet 2 31 41310 Reducer Bushing, 3/4 x 1/4 1 32 21121 Hose Barb, 1/4 x 3/8 HB 2 33 96609 Hose Clamp 2 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 1 35 95-9240 Solenoid Valve Shield 1 36 92-3723 U-Bolt, 5/16 2 37 40020 Ball Valve, 1" 2 38 92-0012 Hose Barb, 1" x 1" HB 2 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 | 26 | 41480 | Motorized Control Valve | 1 |
| 29 95-9236 Solenoid Valve Assy. (Trpl) 1 30 42811 Grommet 2 31 41310 Reducer Bushing, 3/4 x 1/4 1 32 21121 Hose Barb, 1/4 x 3/8 HB 2 33 96609 Hose Clamp 2 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 1 35 95-9240 Solenoid Valve Shield 1 36 92-3723 U-Bolt, 5/16 2 37 40020 Ball Valve, 1" 2 38 92-0012 Hose Barb, 1" x 1" HB 2 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 < | 27 | 41309 | Reducing Nipple, 1" x 3/4" | 1 |
| 95-9237 Single Solenoid AR 30 42811 Grommet 2 31 41310 Reducer Bushing, 3/4 x 1/4 1 32 21121 Hose Barb, 1/4 x 3/8 HB 2 33 96609 Hose Clamp 2 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 2 35 95-9240 Solenoid Valve Shield 1 36 92-3723 U-Bolt, 5/16 2 37 40020 Ball Valve, 1" 2 38 92-0012 Hose Barb, 1" x 1" HB 2 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 28 | 48-7620 | HHCS, M6 x 16mm | 3 |
| 30 42811 Grommet 31 41310 Reducer Bushing, 3/4 x 1/4 32 21121 Hose Barb, 1/4 x 3/8 HB 33 96609 Hose Clamp 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 35 95-9240 Solenoid Valve Shield 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | 29 | 95-9236 | Solenoid Valve Assy. (Trpl) | 1 |
| 31 41310 Reducer Bushing, 3/4 x 1/4 1 32 21121 Hose Barb, 1/4 x 3/8 HB 2 33 96609 Hose Clamp 2 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 1 35 95-9240 Solenoid Valve Shield 1 36 92-3723 U-Bolt, 5/16 2 37 40020 Ball Valve, 1" 2 38 92-0012 Hose Barb, 1" x 1" HB 2 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | | 95-9237 | Single Solenoid | AR |
| 32 21121 Hose Barb, 1/4 x 3/8 HB 33 96609 Hose Clamp 34 42276 Pressure Gauge Hose, 3/8 ID x 36" 35 95-9240 Solenoid Valve Shield 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | 30 | 42811 | Grommet | 2 |
| 33 96609 Hose Clamp 34 42276 Pressure Gauge Hose, | 31 | 41310 | Reducer Bushing, 3/4 x 1/4 | 1 |
| 34 42276 Pressure Gauge Hose, | 32 | 21121 | Hose Barb, 1/4 x 3/8 HB | 2 |
| 3/8 ID x 36" 35 95-9240 Solenoid Valve Shield 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | 33 | 96609 | Hose Clamp | 2 |
| 35 95-9240 Solenoid Valve Shield 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | 34 | 42276 | Pressure Gauge Hose, | 1 |
| 36 92-3723 U-Bolt, 5/16 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB | | | 3/8 ID x 36" | |
| 37 40020 Ball Valve, 1" 38 92-0012 Hose Barb, 1" x 1" HB 39 92-3702 Overflow Hose, 1" x 5" 40 92-0236 Hose Barb, 1" x 3/4 HB 41 92-0045 Hose Clamp 42 92-3707 Supply Hose, 1" x 100" 43 92-3721 Agitator Hose, 3/4 x 28" 44 40480 Quick Coupler x 1" HB 45 40485 Pressure Gauge 46 42277 Gauge Brkt Assy 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 32 22 23 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26 | 35 | 95-9240 | Solenoid Valve Shield | 1 |
| 38 92-0012 Hose Barb, 1" x 1" HB 2 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 36 | 92-3723 | U-Bolt, 5/16 | 2 |
| 39 92-3702 Overflow Hose, 1" x 5" 1 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 37 | 40020 | Ball Valve, 1" | 2 |
| 40 92-0236 Hose Barb, 1" x 3/4 HB 1 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 38 | 92-0012 | Hose Barb, 1" x 1" HB | 2 |
| 41 92-0045 Hose Clamp 5 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 39 | 92-3702 | Overflow Hose, 1" x 5" | 1 |
| 42 92-3707 Supply Hose, 1" x 100" 1 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 40 | 92-0236 | Hose Barb, 1" x 3/4 HB | 1 |
| 43 92-3721 Agitator Hose, 3/4 x 28" 1 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 41 | 92-0045 | Hose Clamp | 5 |
| 44 40480 Quick Coupler x 1" HB 1 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 42 | 92-3707 | Supply Hose, 1" x 100" | 1 |
| 45 40485 Pressure Gauge 1 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 43 | 92-3721 | Agitator Hose, 3/4 x 28" | 1 |
| 46 42277 Gauge Brkt Assy 1 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 44 | 40480 | Quick Coupler x 1" HB | 1 |
| 47 92-8557 Hose Barb, 90° 1/2 x 3/4 HB 3 | 45 | 40485 | Pressure Gauge | 1 |
| | 46 | 42277 | Gauge Brkt Assy | 1 |
| 48 41732 Control Valve Bracket Assy 1 | 47 | 92-8557 | Hose Barb, 90° 1/2 x 3/4 HB | 3 |
| | 48 | 41732 | Control Valve Bracket Assy | 1 |
| | | | | |



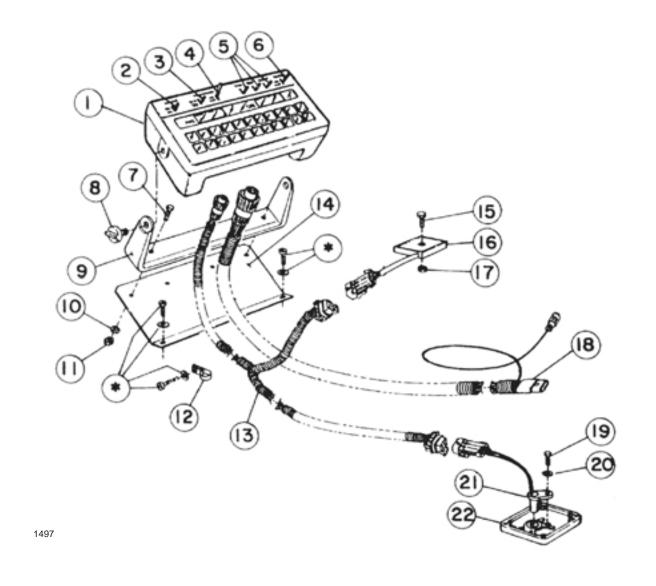
TURRET BODIES & BOOM HOSES

| Ref. | Part No. | Description | Qty. |
|------|----------|------------------------------|------|
| * | 95-9183 | Turret Body - Double Barb | 7 |
| | | (Incl. Ref. #'s 1-14) | |
| * | 95-9181 | Turret Body - Single Barb | 3 |
| | | (Incl. Ref. #'s 1-13 & 15) | |
| * | 95-9184 | Turret Body - Barb x 1/2 NPT | 1 |
| | | (Incl. Ref. #'s 1-13 & 20) | |
| 1 | 99-0811 | Screw | 1 |
| 2 | 99-0812 | Upper Clamp | 1 |
| †3 | 95-9191 | O-Ring | 1 |
| 4 | 95-9192 | Split-Eyelet Body | 1 |
| 5 | 95-9197 | E-Clip | 1 |
| 6 | 95-9196 | Turret | 1 |
| †7 | 95-9198 | O-Ring | 1 |
| 8 | 95-9200 | Plug | 1 |
| †9 | 95-9199 | O-Ring | 1 |
| †10 | 99-0815 | O-Ring Dust Seal | 1 |
| †11 | 99-0813 | Seal | 1 |
| †12 | 41003 | Diaphragm | 1 |
| 13 | 95-9193 | End Cap Assembly | 1 |
| 14 | 95-9202 | Double Hose Barb | 1 |

| * | Not | Illustrate | ha |
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[†] Denotes parts in Seal Kit #99-0816

| | <u> </u> | | |
|------|----------|---------------------------------|------|
| Ref. | Part No. | Description | Qty. |
| 15 | 95-9201 | Single Hose Barb | 1 |
| 16 | 95-9187 | Nozzle Dust Cap | 22 |
| | | (Incl. Ref. # 16) | |
| 17 | 40998 | Seat Gasket | 33 |
| 18 | 95-9186 | Nozzle Cap, 90° | 11 |
| | | (Incl. Ref. # 16) | |
| 19 | 95-9188 | TTJ10 Turbo TurfJet (Std.) | 11 |
| | 95-9221 | TTJ2 Turbo TurfJet (Optional) | 11 |
| | 95-9222 | TTJ4 Turbo TurfJet (Optional) | 11 |
| | 95-9223 | TTJ5 Turbo TurfJet (Optional) | 11 |
| | 95-9224 | TTJ6 Turbo TurfJet (Optional) | 11 |
| | 95-9225 | TTJ8 Turbo TurfJet (Optional) | 11 |
| | 95-9226 | TTJ15 Turbo TurfJet (Optional) | 11 |
| 20 | 95-9203 | Hose Barb x 1/2" NPT | 1 |
| 21 | 95-9314 | 90° Elbow, 1/2" FPT x 3/4" H.B. | 1 |
| 22 | 95-9185 | Turret Body Clamp | 11 |
| 23 | 92-0045 | Hose Clamp, 3/4" Hose | 22 |
| 24 | 41340 | Boom Hose, 3/4" x 50" | 3 |
| 25 | 40506 | Jumper Hose, 3/4 x 19" | 6 |
| 26 | 95-2229 | Jumper Hose, 3/4 x 21" | 2 |
| 27 | 99-0814 | Pivot Pin, 303 S.S. | 1 |

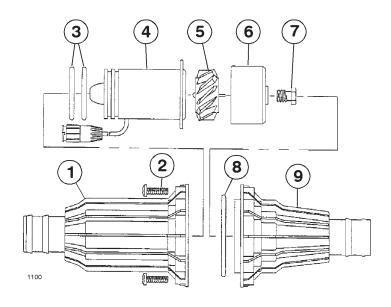


CONTROL CONSOLE (3000)

| Ref. | Part No. | Description | Qty. |
|------|----------|-----------------------------|------|
| 1 | 41472 | Control Console | 1 |
| | 41344 | Console Protective Cover | 1 |
| 2 | 42722 | POWER Switch | 1 |
| 3 | 42723 | Rate 1/Rate 2 Manual Switch | 1 |
| 4 | 42724 | MAN AJD Switch | 1 |
| 5 | 42558 | BOOM Switch | 3 |
| 6 | 42725 | MASTER Switch | 1 |
| | 42715 | Fuse Holder | 1 |
| 7 | 321-6 | HHCS, 1/4 NC x 1" | 2 |
| 8 | 41473 | Mounting Knob | 2 |
| 9 | 41474 | Mounting Bracket | 1 |
| 10 | 3253-3 | Lock Washer, 1/4 | 2 |
| 11 | 3217-5 | Hex Nut, 1/4 NC | 2 |

| Ref. | Part No. | Description | Qty. |
|------|----------|---------------------------------|------|
| 12 | 41230 | Cable Clamp | 2 |
| 13 | 92-2661 | Wiring Harness - Speed Sensor | 1 |
| 14 | 92-3679 | Control Console Bracket | 1 |
| 15 | 32105-26 | Pan Hd. Mach. Screw, #8 x 1-1/2 | 1 |
| 16 | 92-2612 | Frequency Divider | 1 |
| 17 | 3217-25 | Hex Nut, #8 NC | 1 |
| 18 | 92-3688 | Control Console Cable | 1 |
| 19 | 48-7610 | Screw, M6 - 1.0 x 12 | 1 |
| 20 | 48-8020 | Lock Washer | 1 |
| 21 | 85-4350 | Speed Sensor | 1 |
| 22 | 92-3736 | Sensor Cover Assy | 1 |
| | 92-0810 | Cover | 1 |
| | 92-3735 | Oil Seal | AR |

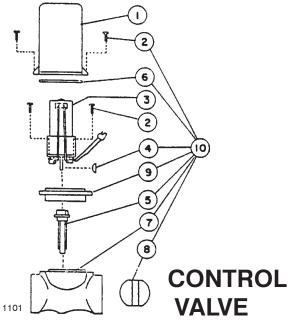
^{*} Indicates fasteners included with the Vehicle.



FLOW METER

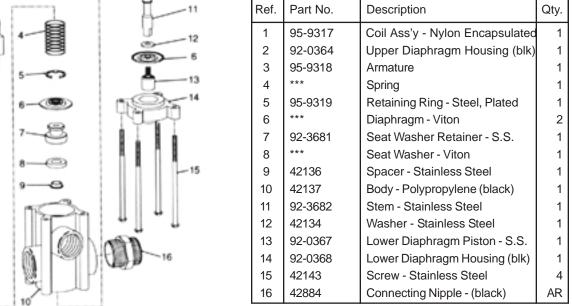
| Ref. | Part No. | Description | Qty. |
|------|----------|------------------------------|------|
| 1 | 42475 | Sensor Housing | 1 |
| 2 | 42476 | S.S. Screw, #10 x 3/4" | 12 |
| 3 | 93-1098* | O-Ring (Viton) | 2 |
| 4 | 42477 | Dual O-Ring Transducer Assy | 1 |
| 5 | 42478 | Turbine | 1 |
| 6 | 42479 | Turbine Hub/Bearing Ass'y | 1 |
| 7 | 42480 | Turbine Stud Assembly | 1 |
| 8 | 42469 | O-Ring (Viton) | 1 |
| 9 | 42481 | Hub Housing w/Inserts | 1 |
| 10 | 41483 | Mounting Bracket (not shown) | 1 |

^{*} Included with Transducer, Part No. 42477

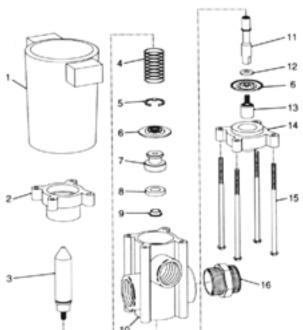


| Ref. | Part No. | Description | Qty. |
|------|----------|-----------------------|------|
| 1 | 42318 | Valve Cover | 1 |
| 2 | 42482 | Screw, #6 x 3/4" | 6 |
| 3 | 42483 | Motor Assy | 1 |
| 4 | 42484 | Woodruff Key | 1 |
| 5 | 42485 | Coupler Shaft | 1 |
| 6 | 42470 | Seal (Tetraseal) | 1 |
| 7 | | Valve Body | NS |
| 8 | 42486 | Butterfly | 1 |
| 9 | 42487 | Isolation Flange Assy | 1 |
| 10 | 42488 | Valve - Iso-Body Kit | 1 |

SOLENOID VALVE



Indicates parts included in Viton Seal Kit. Order Part No. 95-9316.



| NOTES: |
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