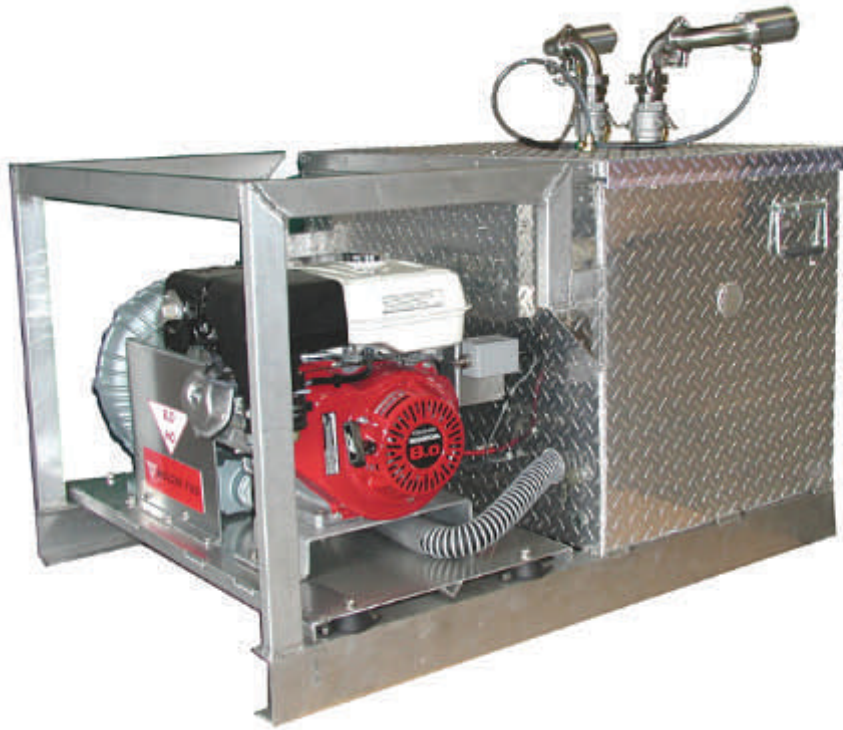


MOZZIE FOG



MODEL 600/610

OWNER'S MANUAL

55-73-0600

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IMPORTANT SAFETY INFORMATION

1. Read and understand all instructions before setting up and operating this equipment.
2. Never run this equipment in an enclosed area without providing proper ventilation. Exhaust fumes from the engine contain carbon monoxide gas; exposure may cause loss of consciousness and may lead to death.
3. Never operate the equipment without guards in place and secured.
4. When operating the equipment for test or maintenance, hearing protection should be worn at all times.
5. Gasoline is extremely flammable and is explosive under certain conditions. Do not allow flames or sparks in the refueling area or where gasoline is stored. Wipe up any spills and allow area to dry before starting the engine or operating the equipment in any way. Do not smoke while refueling or servicing this equipment. Refuel in a well ventilated area with the engine stopped. Wash hands thoroughly after refueling, servicing or filling with chemical.
6. Know how to stop the equipment quickly, and understand the operation of all controls. Never permit anyone to operate the equipment without proper instructions.
7. When performing maintenance, disconnect power at the battery to prevent accidental starting. Keep tools and other maintenance materials clear of the equipment before operating.

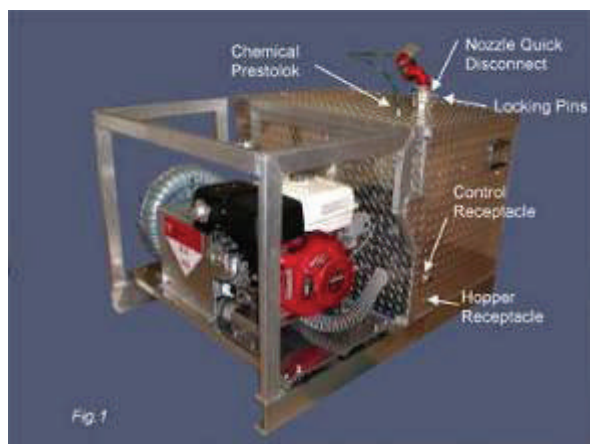
The muffler becomes very hot during operation and remains hot for a while after equipment shutdown. Be careful not to touch the muffler or exhaust pipe while it is hot. To avoid severe burns or fire hazards, allow the equipment to cool down before refueling, transporting, or storing indoors.

SPECIFICATIONS

	US	Metric
Dimensions	36" W x 48" L x 43" H	91.5cm W x 122cm L x 109 cm H
Weight	Net: 318	Net: 144.5 Kg
	Gross: 385	Gross: 175 Kg
Engine	8HP Honda OHV, Electric Start, 5 Amp charger	
Blower	Regenerative Centrifugal High Output, Rated 300 CFM	
Chemical Pump	12 VDC FMI Type QB1SSY/1/4 Piston, Fully Enclosed	
Pump Flow Rate	1 - 19 OPM, 1 - 12 OPM Recommended	
Unit Controls	Remote Engine Ignition, Throttle, Pump On-Off	
	Key Starter Switch, Fully Enclosed	
Safety Controls	Low Pressure Cutoff Switch, Pump & Throttle Shutdown	
Chemical Tank	15 Gallon Max Capacity HDPE , Fully Enclosed	
Solvent Tank	2 Qt HDPE, Fully Enclosed	
Nozzle	Single or Dual, Independent 360° Adjustable, Quick Disconnect	
Battery (Included)	Optima 12V Heavy Duty Gel Cell, Fully Enclosed	
Sound Levels	91 Db @ 10 Ft. Max, < 83 Db @ 20 Ft.	

OPERATION

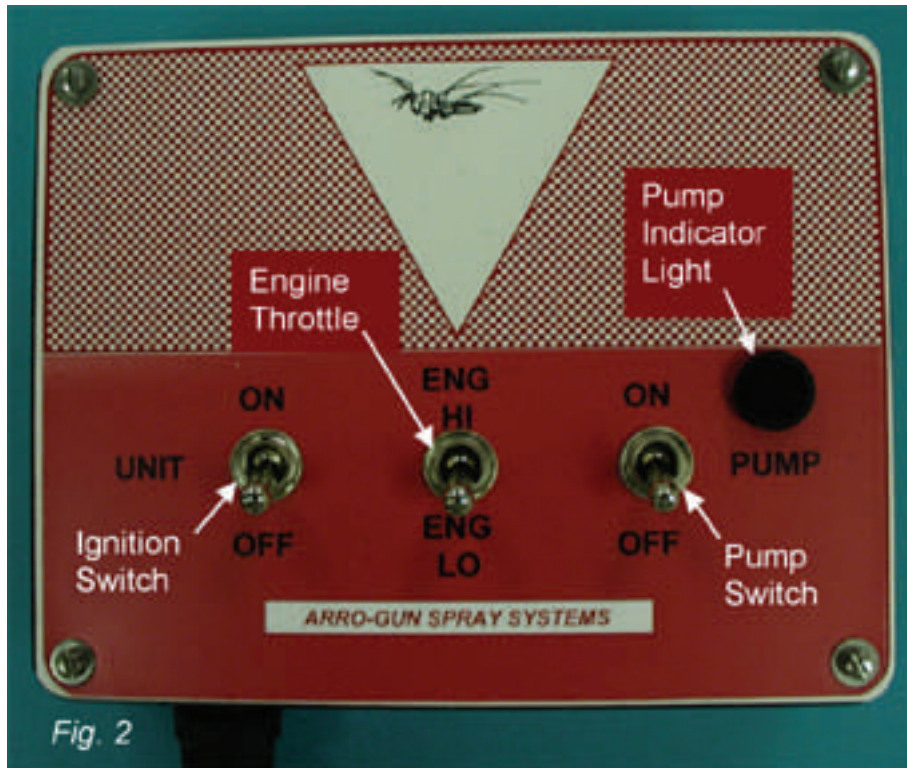
The unit is shipped with the battery disconnected at the ground post. Reconnect the black cable to the negative battery terminal. See *Fig.1*. Plug the keyed connector from the control box into the control receptacle and tighten the connector. (On later models the receptacle is located on the rear of the mainframe box.) If the unit is used for larviciding, the hopper will plug into the hopper receptacle located on the side of the mainframe box.



Install the nozzle to the quick disconnect and reinstall the lockpins. Do not operate the unit without the coupler locked. Plug the chemical tube into the presto-lock fitting at the top of the mainframe box.

The engine has been serviced with oil at the factory, however we recommend checking the oil level before attempting to start the unit. Service the fuel tank with unleaded gasoline. See Fig. 2.

The controls are simple to operate. The unit switch is used to control engine ignition. In order to start, the unit switch must be in the "ON" position. The Engine Throttle switch should be in the "ENG LO" position. The engine can now be started from the keyswitch located within the mainframe box. When the engine is in a cold condition, first start with the choke on and turn the choke off to allow the engine to idle. Let the engine reach operating temperature for a minute or so before turning the throttle switch to the "Eng Hi" position. Once the engine has warmed sufficiently it is usually no longer necessary to use the choke.



The unit is equipped with a pressure switch. The pressure switch controls the chemical pump by switching the pump on *only* if there is sufficient air pressure on the air manifold. The unit is shipped with the wire tab attached to the Normally OPEN connection at the pressure switch. See Fig.3.

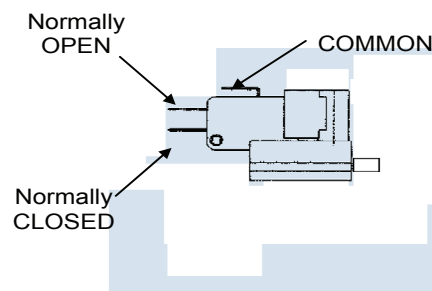


Fig.3

Check the operation of the pressure switch by returning the engine to idle. Turn on the pump switch. The indicator light should be on. Check the chemical pump. It should be off. Now return the engine to high speed and observe that the chemical pump turns on automatically.

Now you are ready to service the chemical tank and fill the flush tank with flushing solution.

CALIBRATION

To check the flow rate of the pump, locate the

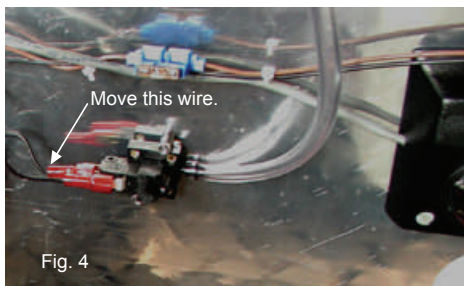


Fig. 4

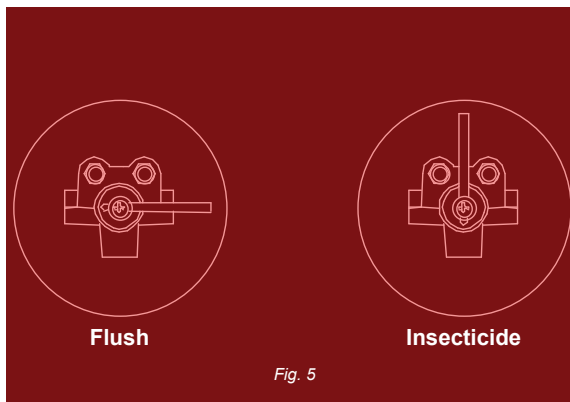


Fig. 5

pressure

switch installed to the rear wall of the mainframe box. Move the indicated wire to the "Normally Closed" tab. This will allow the chemical pump to operate without running the engine. Disconnect the chemical line from the presto-lock fitting on the nozzle and feed it into a separate container. See Fig.5. Set the 3-way valve to the insecticide position.

Move the



Fig. 6

Turn the pump switch ON at the control box and allow the system to fill with fluid. Run the pump until all air is purged from the pump and valve. When all air has been removed, transfer the fluid line into a graduated cylinder and measure the fluid flow for two minutes. To adjust the pump, loosen the two knurled knobs on the side of the pump. Turn the black knob counter-clockwise to increase flow, clockwise to decrease flow.

When the flow rate is satisfactory, tighten the knurled knobs. Reconnect the chemical line to the nozzle.

IMPORTANT: Reconnect wire on pressure switch to the Normally OPEN position.

The unit can be run at this point and if desired, droplet Median Diameter tests can be performed. Refer to the manufacturer's recommended flow rates and (if applicable) recommended droplet diameter instructions.

Droplet Median Diameter Measurement of the Mozzie Fog

Determination of median droplet size on the Mozzie Fog can be affected by both the method of collection and the conditions under which the test is performed. These instructions are provided as a general guide to aid the user in obtaining the most accurate results. As a rule this test recommendation is applicable to both the Mozzie Electric and the Mozzie Gas Fogger and, in addition, is based upon familiarity with the KLD Labs DC-III™ and the label instructions of Aqua-Reslin®.

Begin by positioning the equipment where any existing wind is downstream from the nozzle. If at all possible, locate the unit in a closed structure with one side open where the insecticide cloud will exhaust outdoors. Mix the Aqua-Reslin in the ratio planned for treatment, and place in insecticide tank.

Operate the unit and, with an anemometer, find the point at which the nozzle velocity reads 3-3.5 meters/second (on the Mozzie Electric this is approximately 36"-42" from the nozzle). Although KLD Labs instructions state that velocity should be read at 5-7 meters/second for most testing, the point at which that reading occurs is within an area where the particles are still being sheared by the Mozzie nozzle due to the characteristics of the nozzle design. In consultation with KLD Labs it was recommended not to test lower than 3 meters/second. We have determined that the 3-3.5 range would satisfy the limits of the analyzer and return an accurate representation of the particle size spectrum.

Once all preparation has been made, run a 30 second or 60 second test with the DCIII set to analyze oil.

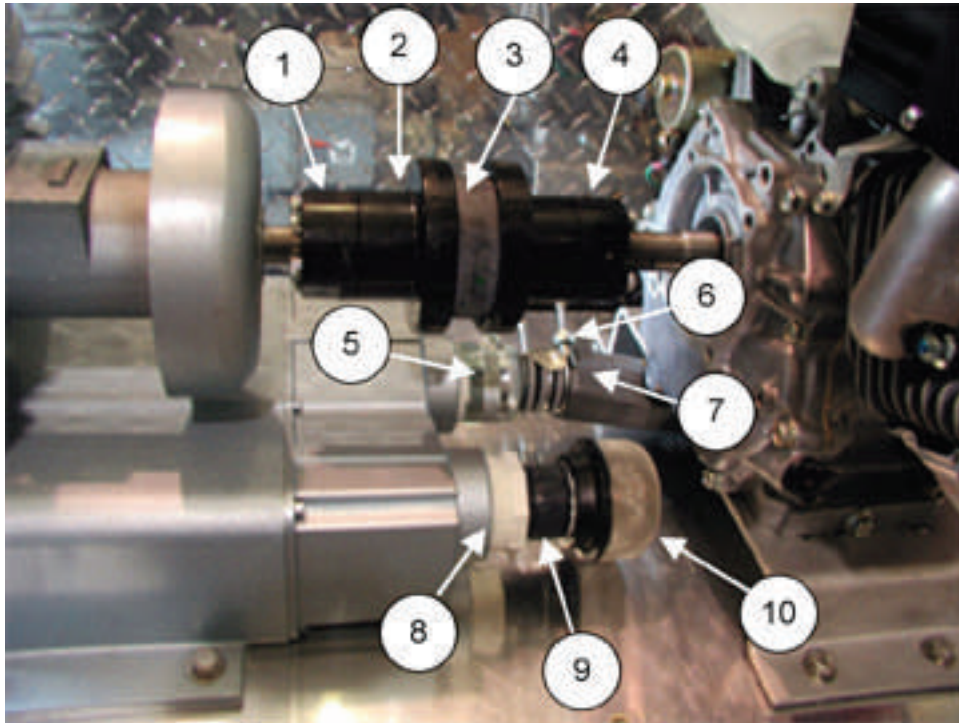
Maintenance

Maintenance on the Mozzie Fog is routinely simple. Once a month check the cable terminations at the battery and clean if needed. Check all chemical tubing for wear and tear and replace or trim worn tips back. Check and clean the chemical filter monthly. At least once per season, disassemble the nozzle face plate from the housing and flush the metal parts with spray carburetor cleaner such as Chem B-12.

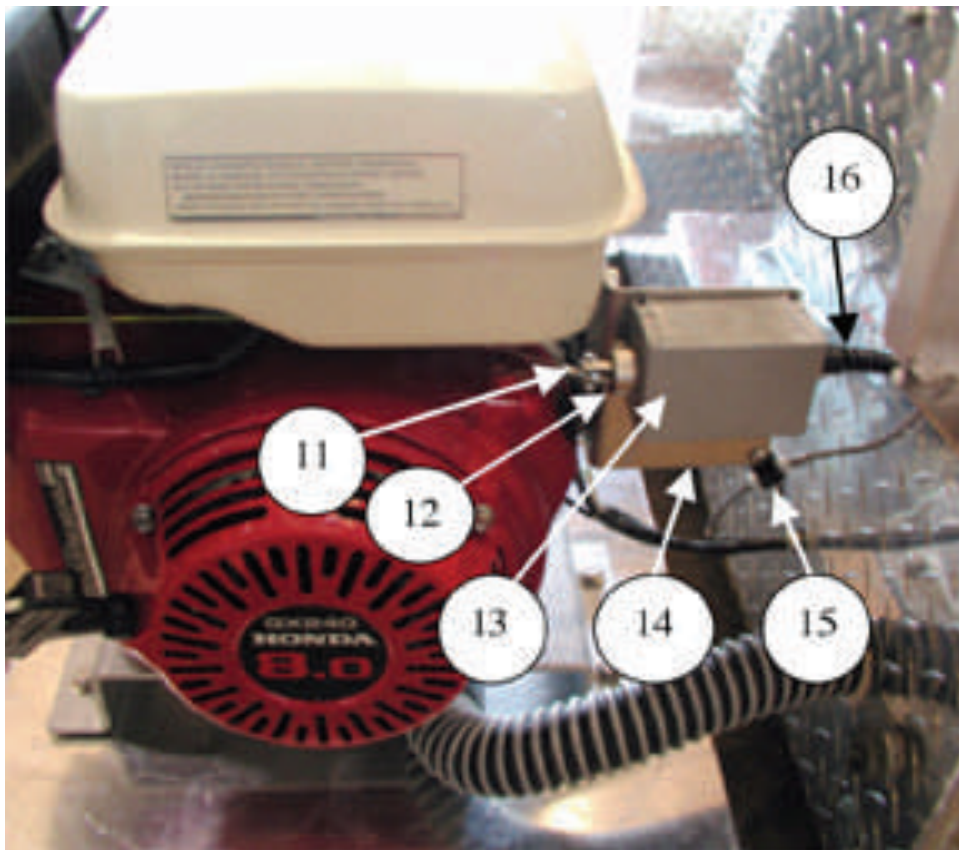
If the unit is to be stored for long periods, remove the battery and charge every thirty days or maintain battery level with a trickle charger. Remove the nozzle and install the outlet plug. All loose items may be stored in the cabinet where it can be kept under lock and key. Refer to the engine manual for oil and filter replacement intervals. The blower is permanently lubricated and requires no servicing, however, periodically check the condition of the intake screen and outlet hose. Replace the hose if it has signs of deterioration.

PARTS

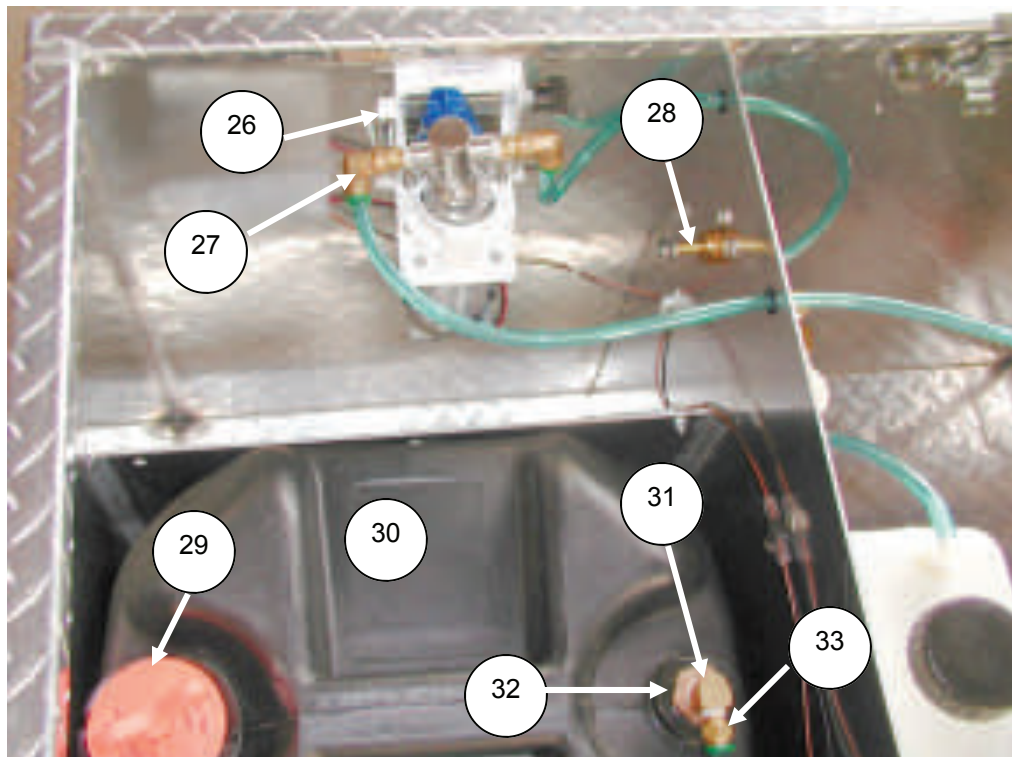
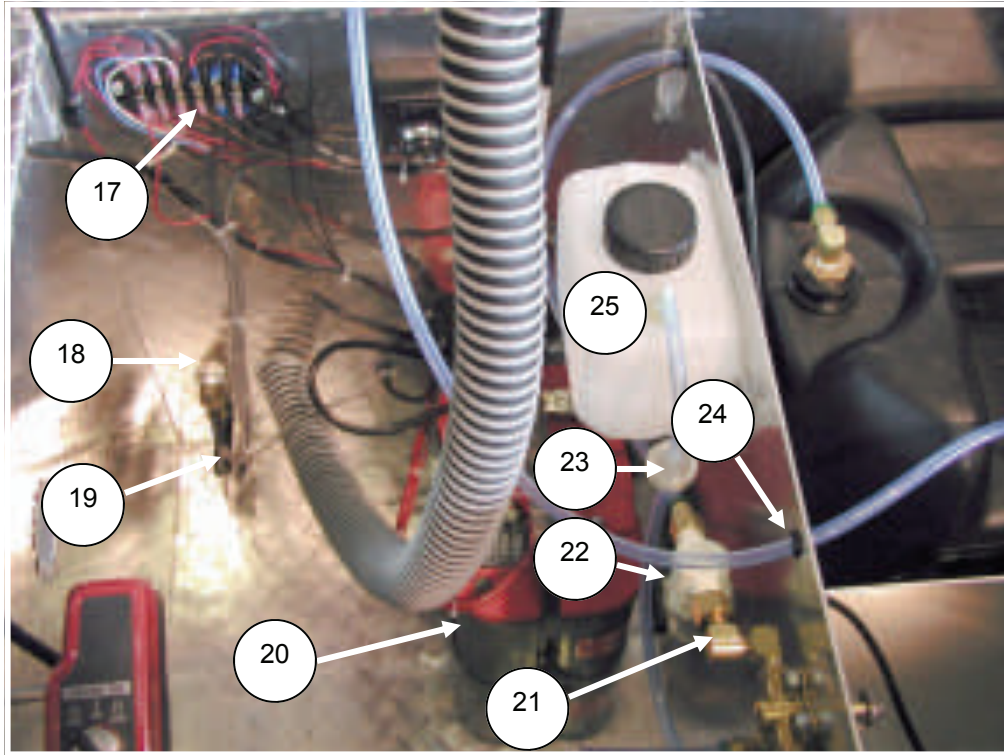
Drive Assembly



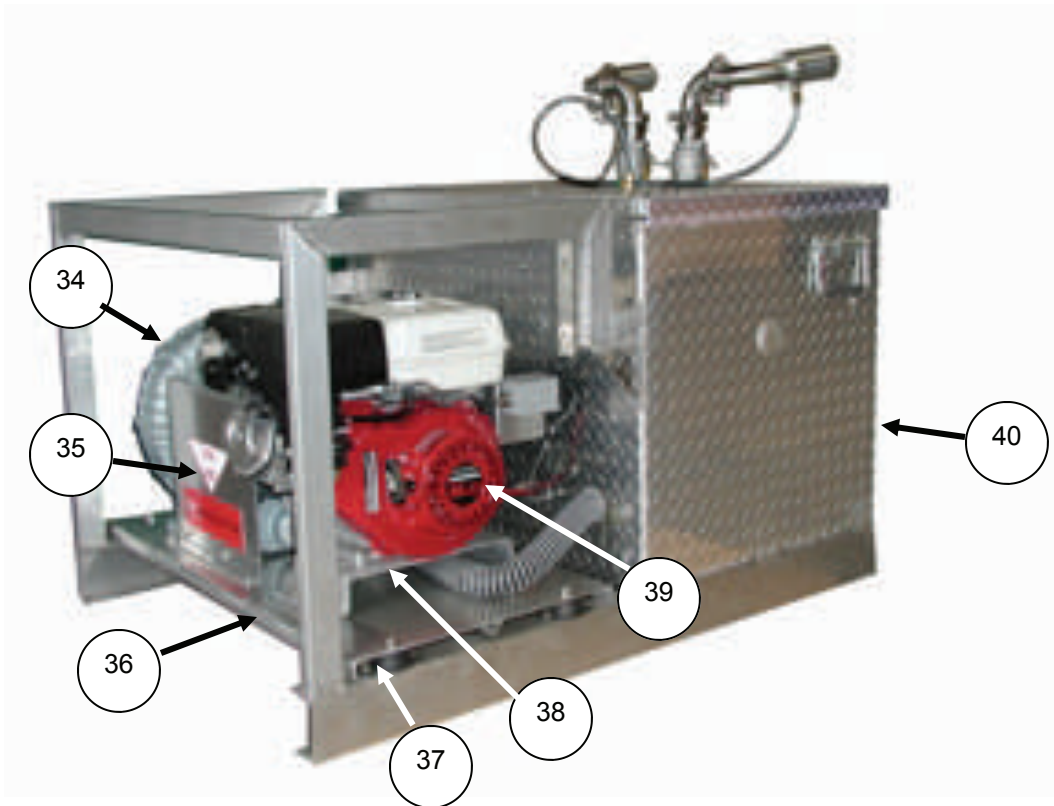
Throttle Solenoid Assembly



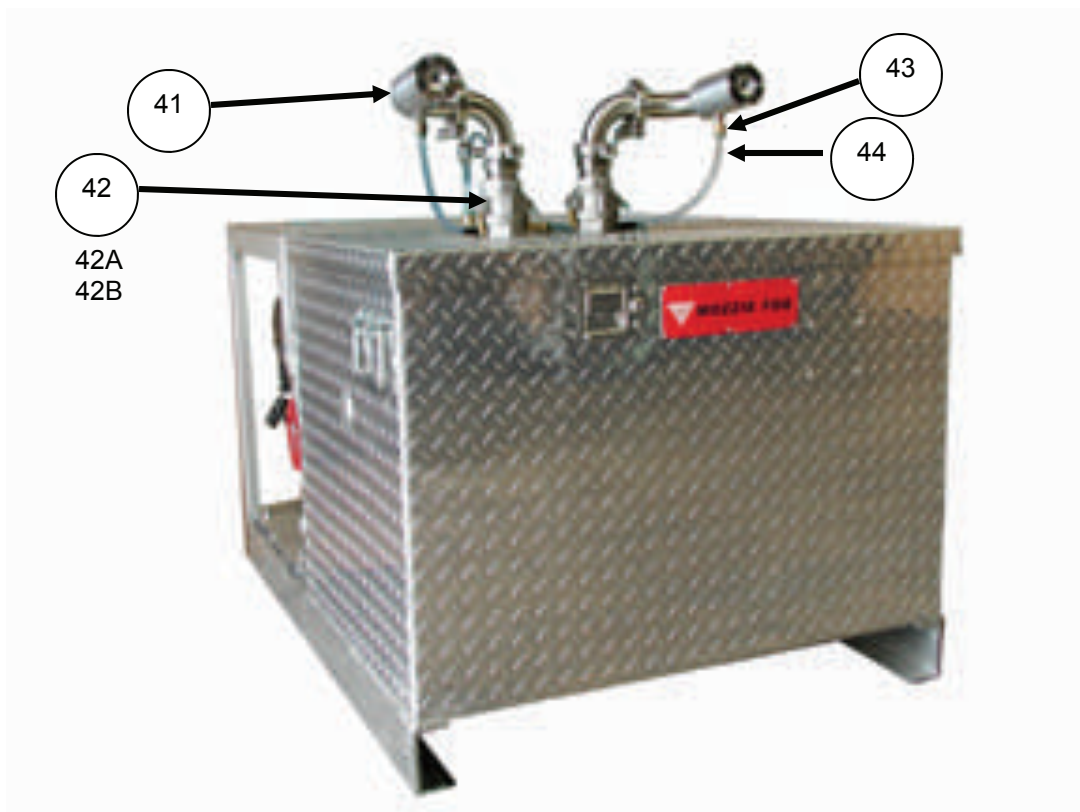
Interior Assembly



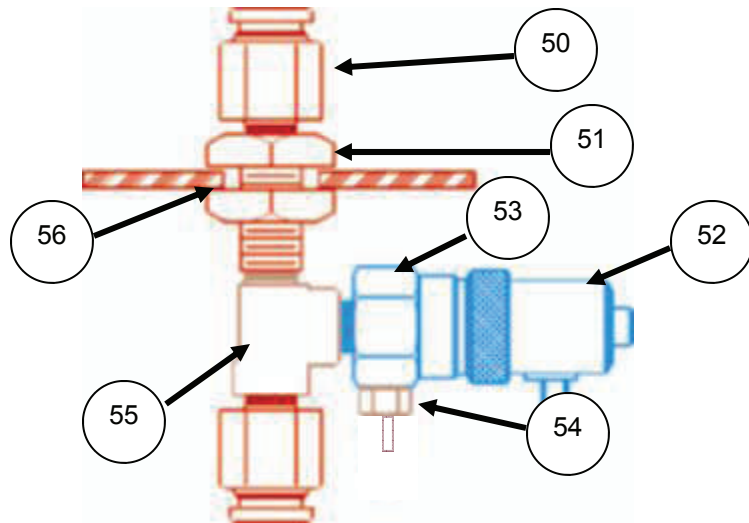
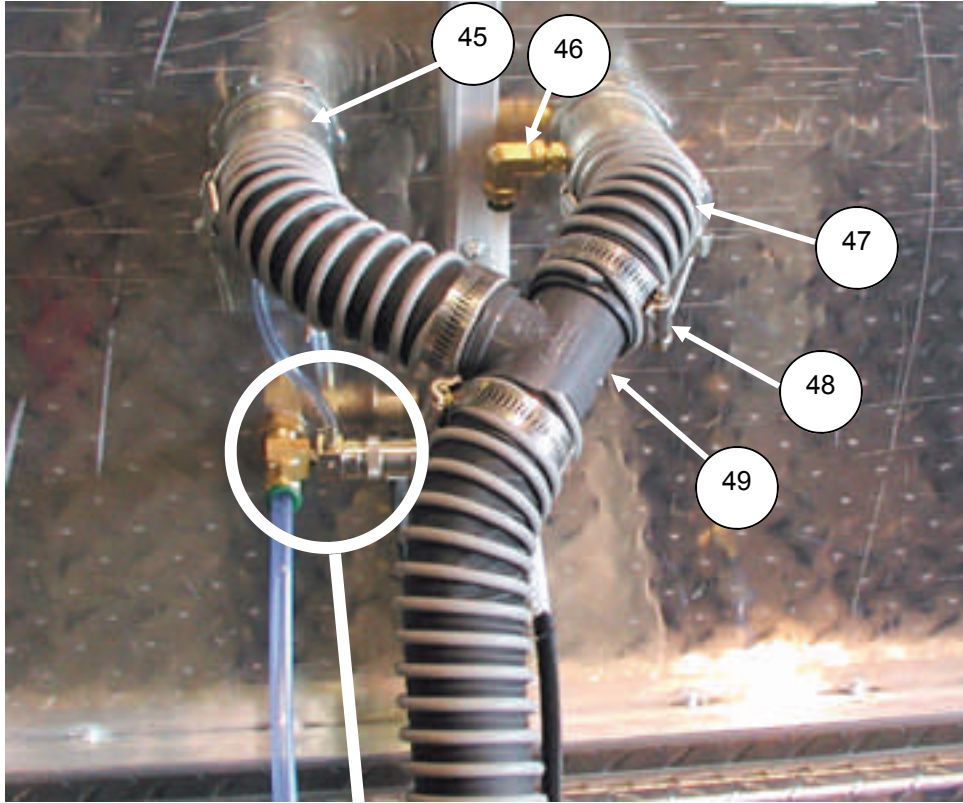
Mainframe Components



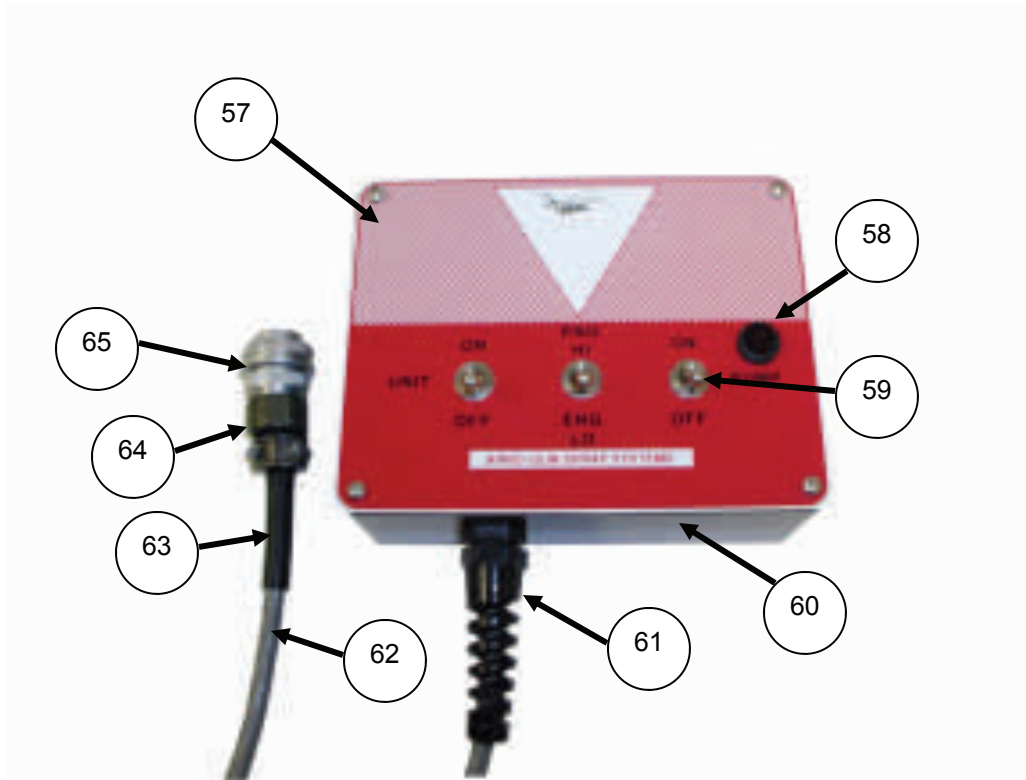
Nozzle Assembly



Purge Valve Assembly



Control Box



How to Order Parts

To order parts or get technical assistance dial Toll Free 1-888-277-6486.
For direct calls: 1-210-256-1700.

Please have available the serial number of the unit needing replacement parts.

KEY	PART NO.	DESCRIPTION	QTY
1	55-70-0611	HUB 7/8" BORE	1
2	55-70-0609	COUPLING FLANGE	2
3	55-70-0612	SLEEVE	1
4	55-70-0640	HUB 1" BORE	1
5	55-70-0425	2" NPT X 1 1/2" HOSE BARB	1
6	55-70-0626	TIGER CLAMP	3
7		2" LAYFLAT (FT)	2
8	55-70-0625	2"MPT X 1 1/2" PVC REDUCER	1
9	55-70-0241	1 1/2" PVC CLOSE NIPPLE	1
10	55-70-0129	COMPRESSOR INTAKE FILTER	1
11	55-70-0637	THROTTLE SOLENOID	1
11A	55-70-0641	SOLENOID BRACKET	1
12	55-70-0638	THROTTLE SHAFT COLLAR	1
14	55-70-0433	SWITCH BOX	1
15	55-70-0154	ELECTRICAL RETAINER CLAMP	5
16	55-70-0435	STRAIN RELIEF (SMALL)	1
16A	55-70-0434	2 WIRE CABLE	6
17	55-70-0205	6-WAY TERMINAL BLOCK	1
18	55-70-0613	RECEPTACLE	1
18A	55-70-0613-1	DUST CAP	1
18B	55-70-0616	SOCKET	5
19	55-70-0310	2 PIN CONNECTOR SET, FLANGED	1
20	55-70-0133	BATTERY TERMINAL	6
20	55-70-0134	RED BATTERY CABLE (FT.)	2.3
20	55-70-0135	BLACK BATTERY CABLE	2
20	55-70-0634	BATTERY,OPTIMA RED TOP	1
20	55-70-0237	MARINE TERMINAL	2
21	55-70-0240	1/4 STREET EL	3
21A	55-70-0239	3/8FPTX1/4MPT ADAPTER	1
22	55-70-0217	FILTER, 80 MESH	1
22A	55-70-0238	FILTER CONNECTOR	1
23	55-70-0139	CHEMICAL FILTER	1
24	55-70-0628	CORD BUSHING	6
25	55-70-0234	SOLVENT TANK, 2 QT	1
25A	55-70-0234-2	90 DEG EL BARBX1/8 NPT NYLON	1
25B	55-70-0234-1	CAP-2 1/4" VENTED, BLACK	1
26	55-70-0137	FUSE HOLDER	2
26	55-70-0138	FUSE, 5 AMP	1
26	55-70-0619	CHEMICAL PUMP HO	1
27	55-70-0132	1/4 NPT 90 DEG SWIVEL	4
28	55-70-0211	3 WAY VALVE	1
29	55-70-0622	CHEMICAL TANK CAP	1
30	55-70-0621	CHEMICAL TANK, 15 GAL.	1
32	55-70-0163	REDUCER BUSHING	1
33	55-70-0624	1/4 MPT X 3/8 TUBE PRESTOLOK	1
34	55-70-0608	BLOWER	1
35	55-70-0105	COUPLING GUARD	1
37	55-70-0642	VIBRATION MOUNT	4
38	55-70-0604	ENGINE RISER-8HP	1
38	55-70-0603	SUB PLATE	1

KEY	PART NO.	DESCRIPTION	QTY
39	55-70-0639	HONDA-8 HP ENGINE	1
40	55-70-0600	BASE ASSEMBLY	1
41	55-74-0170	HO NOZZLE ASSY	2
42	55-70-0126	PT-150 ALUM COUPLER	2
42A	55-70-0125	PT-150A ALUM ADAPTER	2
42B	55-70-0124	PT-150 1 1/2" ALUM PLUG	2
43	55-70-0264	PRESTOLOK 3/8 TUBE X 1/8 NPT	2
44	55-70-0116	CHEMICAL TUBING-BLUE	9
44A	55-70-0265	3/8 PRESTOLOK UNION TEE	1
45	55-70-0421	1 1/2" HOSE BARB ADAPTER	2
45A	55-70-0278	CONDUIT LOCKNUT 1-1/2"	2
46	55-70-0630	1/8 MPT X 5/16 PRESTOLOK EL	1
47	55-70-0405	HOSE 1 1/2" REINFORCED (FT)	9
48	55-70-0422	1 1/2" CLAMP	3
49	55-70-0263	PVC TEE	1
50	55-70-0264	PRESTOLOK 3/8 TUBE X 1/8 NPT	2
51	55-70-0280	SHORT 1/8 BULKHEAD	2
52	55-70-0273	PURGE VALVE	1
53	55-70-0274	VALVE MANIFOLD	1
54	55-70-0176	1/8 BARB X 10-32 FITTING	2
55	55-70-0275	1/8 FXFXM STREET TEE	1
56	55-70-0277	5/8 SEALING WASHER	1
57	55-70-0150	COVER OVERLAY	1
58	55-70-0142	RED INDICATOR LAMP,PUMP	1
59	55-70-0143	ENGINE/PUMP SWITCH	3
60	55-70-0140	CONTROL CHASSIS	1
61	55-70-0153	STRAIN RELIEF, LARGE	1
62	55-70-0144	CABLE, 18 GA 7-WIRE (FT)	21.5
63	55-70-0618	BOOT	2
64	55-70-0615	CABLE CLAMP	2
65	55-70-0614	MALE PLUG	1
65A	55-70-0617	PIN	5
NI	55-70-0204	INTERIOR LIGHT	1
NI	55-70-0413	FUSE, 10 AMP	1
NI	55-70-0627	POLY GROMMET	0.5
NI	55-70-0629	PRESSURE SWITCH	1