

GS950 Airless Sprayers

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For professional use only.

Not approved for use in European explosive atmosphere locations. For the application of architectural paints and coatings.

3300 psi (22.7 MPa, 227 bar) Maximum Working Pressure



Important Safety Instructions

Read all warnings and instructions in this manual and in related manuals. Be familiar with the controls and the proper usage of the equipment. Save these instructions.

Related Manuals:	
3A0479	Gun
3A4347	Pump



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Warninc

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

WARNING

FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in **work area** can ignite or explode. Paint or solvent flowing through the equipment can cause static sparking. To help prevent fire and explosion:

- Use equipment only in well ventilated area.
- Do not fill fuel tank while engine is running or hot; shut off engine and let it cool. Fuel is flammable and can ignite or explode if spilled on hot surface.
- Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc).
- Ground all equipment in the work area. See Grounding instructions.
- Never spray or flush solvent at high pressure.
- Keep work area free of debris, including solvent, rags and gasoline.
- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- Use only grounded hoses.
- Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they are antistatic or conductive.
- **Stop operation immediately** if static sparking occurs or you feel a shock. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.

SKIN INJECTION HAZARD		
High-pressure spray is able to inject toxins into the body and cause serious bodily injury. In the event that injection occurs, get immediate surgical treatment.		
 Do not aim the gun at, or spray any person or animal. 		
• Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.		
• Always use the nozzle tip guard. Do not spray without nozzle tip guard in place.		
Use Airlessco nozzle tips.		
• Use caution when cleaning and changing nozzle tips. In the case where the nozzle tip clogs while spraying, follow the Pressure Relief Procedure for turning off the unit and relieving the pressure before removing the nozzle tip to clean.		
• Equipment maintains pressure after power is shut off. Do not leave the equipment energized or under pressure while unattended. Follow the Pressure Relief Procedure when the equipment is unattended or not in use, and before servicing, cleaning, or removing parts.		
 Check hoses and parts for signs of damage. Replace any damaged hoses or parts. 		
• This system is capable of producing 3300 psi. Use Airlessco replacement parts or accessories that are rated a minimum of 3300 psi.		
• Always engage the trigger lock when not spraying. Verify the trigger lock is functioning properly.		
 Verify that all connections are secure before operating the unit. 		
• Know how to stop the unit and bleed pressure quickly. Be thoroughly familiar with the controls.		
CARBON MONOXIDE HAZARD		
Exhaust contains poisonous carbon monoxide, which is colorless and odorless. Breathing carbon monoxide can cause death.		
Do not operate in an enclosed area.		



	TOXIC FLUID OR FUMES HAZARD	
	Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.	
	 Read Safety Dara Sheet (SDS) to know the specific hazards of the fluids you are using. 	
	 Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines. 	
	BURN HAZARD	
	Equipment surfaces and fluid that's heated can become very hot during operation. To avoid severe burns:	
	Do not touch hot fluid or equipment.	
	RECOIL HAZARD	
	Gun may recoil when triggered. If you are not standing securely, you could fall and be seriously injured.	
A	PERSONAL PROTECTIVE EQUIPMENT	
	Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. Protective equipment includes but is not limited to:	
	 Protective eyewear, and hearing protection. 	
	 Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer. 	
	CALIFORNIA PROPOSITION 65	
	The engine exhaust from this product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.	
	This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.	

Component Identification

Component Identification

Standard Models (GS950)



А	Engine ON/OFF Switch
В	Grounding Clamp
С	Pump On/Off Switch
D	Pressure Control
Е	Prime Valve
F	Gun Trigger Lock
G	Strainer
Н	Pump
J	Engine Controls
Κ	Drain Hose
L	Easy Out Pump Filter
М	Hose

Pressure Relief Procedure

Pressure Relief Procedure



Follow the **Pressure Relief Procedure** whenever you see this symbol.



This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the **Pressure Relief Procedure** when you stop spraying and before cleaning, checking, or servicing the equipment.

- 1. Engage trigger lock.
- 2. Turn engine ON/OFF switch to OFF.
- 3. Move pump switch to OFF and turn pressure control knob fully counterclockwise.
- Disengage trigger lock. Hold metal part of gun firmly to side of grounded metal pail, and trigger gun to relieve pressure.
- 5. Engage gun trigger lock.
- Turn prime valve down to DRAIN position. Leave prime valve down until ready to spray again.
- If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:
 - a. VERY SLOWLY loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
 - b. Loosen the nut or coupling completely.
 - c. Clear the obstruction in the hose or tip.

Grounding



This equipment must be grounded to reduce the risk of static sparking. Static sparking can cause fumes to ignite or explode. Grounding provides an escape wire for the electric current.

To ground sprayer: Attach sprayer grounding clamp to earth ground.



Air and fluid hoses: Use only electrically conductive hoses with a maximum of 500 ft. (150 m) combined hose length to ensure grounding continuity. Check electrical resistance of hoses. If total resistance to ground exceeds 29 megohms, replace hose immediately.

Spray gun: Ground through connection to a properly grounded fluid hose and pump.

Solvent pails used when flushing: Follow local code. Use only conductive metal pails, placed on a grounded surface. Do not place the pail on a non-conductive surface, such as paper or cardboard, which interrupts grounding continuity.

To maintain grounding continuity when flushing or relieving pressure: Hold metal part of the spray gun firmly to the side of a grounded metal pail, then trigger the gun.



Setup



- 1. Connect appropriate high-pressure hose to sprayer.
- 2. Connect hose to fluid inlet of spray gun and tighten securely.



3. Engage gun trigger lock.



4. When spraying texture, remove inlet strainer and filter bowl screen when spraying materials.



5. Fill throat packing nut with TSO to prevent premature packing wear. Do this each time you spray.



6. Check engine oil level. Add 5W-30 synthetic, if necessary.



7. Fill fuel tank.



8. Attach sprayer grounding clamp to earth ground.



Startup

Startup



1. Place suction tube and drain tube in grounded metal pail partially filled with flushing fluid. Attach ground wire to pail and to earth ground.



 Turn prime valve down to DRAIN position. Turn pressure control counterclockwise to lowest pressure.



3. Set pump switch OFF.



- 4. Start Engine
 - a. Move fuel valve to open.



b. Move choke to closed.



c. Set throttle to fast.



5. Pull rope to start engine.



6. After engine starts, move choke to open.



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Startup

7. Set throttle to 50% setting to prime sprayer.



8. Turn pump switch to ON position.



 Increase pressure enough to start pump stroking and allow fluid to circulate for 15 seconds; turn pressure down and turn prime valve forward to SPRAY position.



10. Set throttle to desired setting.



11. Disengage spray gun trigger lock.



12. Hold gun against grounded metal flushing pail. Trigger gun and increase fluid pressure slowly until pump runs smoothly.



Inspect fittings for leaks. Do not stop leaks with your hand or a rag! If leaks occur, turn sprayer OFF immediately. Perform **Pressure Relief Procedure** steps 1-3, page 8. Tighten leaky fittings. Repeat **Startup** procedure steps 1-5. If no leaks, continue to trigger gun until system is thoroughly flushed. Proceed to step 6.

13. Place siphon tube in material pail.



14. Trigger gun again into flushing fluid pail until material appears.



Tip Guard Assembly

Tip Guard Assembly



- 1. Perform **Pressure Relief Procedure**, page 8.
- 2. Engage gun trigger lock. Insert seat and seal using end of finger hold.



3. Insert tip.



4. Screw assembly onto gun. Tighten.





Spray

 Spray test pattern. Increase pressure to eliminate heavy edges. Use smaller tip size if pressure adjustment can not eliminate heavy edges.



 Hold gun perpendicular, 10-12 in. (25-30 cm) from surface. Spray back and forth. Overlap by 50%. Trigger gun after moving and release before stopping.



Clearing Tip Clogs





- 1. Release trigger, engage trigger lock. Rotate tip. Disengage trigger lock. Trigger gun to clear clog.
- 2. Engage trigger lock. Return tip to original position. Disengage trigger lock and continue spraying.





Cleanup



1. Perform **Pressure Relief Procedure**, steps 1 - 4. Remove siphon tube set from paint and place in flushing fluid. Remove tip guard from gun.



NOTE: Use water for water-base paint, mineral spirits for oil-base paint, or other solvents recommended by manufacturer.

- 2. Start Engine
 - a. Move fuel valve to open.



b. Move choke to closed.



c. Set throttle to fast.



d. Set engine switch to ON.



3. Pull rope to start engine.



4. Turn pump switch ON. Turn prime valve forward to SPRAY position.





 Increase pressure to 1/2. Hold gun against paint pail. Disengage trigger lock. Trigger gun until flushing fluid appears.



 Move gun to waste pail, hold gun against pail, trigger gun to thoroughly flush system. Release trigger and engage trigger lock.



- 7. Turn prime valve down to DRAIN position and allow flushing fluid to circulate until flushing fluid appears clear.
- Turn prime valve forward to SPRAY position. Trigger gun into flushing pail to purge fluid from hose.



 Raise siphon tube above flushing fluid and run sprayer for 15 to 30 seconds to drain fluid. Turn pump switch and engine OFF.



10. Turn prime valve down DRAIN position.



11. Remove filters from gun and sprayer, if installed. Clean and inspect. Install filters.



- If flushing with water, flush again with mineral spirits, or Pump Life to leave a protective coating to prevent freezing or corrosion.
- 13. Wipe sprayer, hose and gun with a rag soaked in water or mineral spirits.



Maintenance

Maintenance



NOTE: For detailed engine maintenance and specifications, refer to separate Briggs & Stratton Owner's Manual, supplied.

DAILY: Check engine oil level and fill as necessary.

DAILY: Check hose for wear and damage.

DAILY: Check that all hose fittings are secure.

DAILY: Check gun safety for proper operation.

DAILY: Check pressure drain valve for proper operation.

DAILY: Check and fill the gas tank.

DAILY: Check level of TSO in displacement pump packing nut. Fill nut, if necessary. Keep TSO in nut to help prevent fluid buildup on piston rod and premature wear of packings and pump corrosion.

AFTER THE FIRST 5 HOURS OF OPERATION:

Drain engine oil and refill with clean oil. Reference Briggs & Stratton Engines Owner's Manual for correct oil viscosity. **WEEKLY:** Remove engine air filter cover and clean element. Replace element, if necessary. If operating in an unusually dusty environment: check filter daily and replace, if necessary.

Replacement elements can be purchased from your local Briggs & Stratton dealer.

AFTER EACH 50 HOURS OF OPERATION:

Change engine oil. Reference Briggs & Stratton Engines Owner's Manual for correct oil viscosity.

SPARK PLUG: See Briggs & Stratton supplied Engines Owner's Manual for recommended spark plug replacement.

Use the supplied engine oil funnel when draining oil.





PROBLEM	CAUSE	SOLUTION
Engine will not start	Engine switch is OFF.	Turn engine switch ON.
	Engine is out of gasoline.	Refill gas tank.
	Engine oil level is low.	Try to start engine. Replenish oil, if necessary.
	Spark plug disconnected or damaged.	Connect spark plug cable or replace spark plug.
	Engine is cold.	Use choke.
	Oil is seeping into combustion chamber.	Remove spark plug. Pull starter 3 to 4 times. Clean or replace spark plug. Start engine. Keep sprayer upright to avoid oil seepage.

PROBLEM	CAUSE	SOLUTION
Engine operates, but displacement pump does not operate.	Pump switch is OFF.	Turn pump switch ON.
	Pressure setting too low.	Turn pressure adjusting knob clockwise to increase pressure.
	Fluid filter is dirty.	Clean filter.
	Tip or tip filter is clogged.	Clean tip or tip filter (see gun manual).
	Displacement pump piston rod is stuck due to dried paint.	Repair pump (see pump manual).
	Connecting rod is worn or damaged.	See Parts.
	Drive housing is worn or damaged.	See Parts.
	Electrical power is not energizing clutch field.	See Parts. With pump switch ON and pressure turned to MAXIMUM, use a test light to check for power between clutch test points on control board. Remove clutch wires from control board and measure resistance across clutch coil. At 70° F, the resistance must be between 1.2 + 0.2 W; if not, replace pinion housing. Have pressure control checked by authorized dealer.
	Clutch is worn, damaged, or incorrectly positioned.	Adjust or replace clutch. See page 25.
	Pinion assembly is worn or damaged.	Repair or replace pinion assembly. Page 25.

PROBLEM	CAUSE	SOLUTION
Pump output is low	Strainer is clogged.	Clean strainer.
	Piston ball is not seating.	Service piston ball (see pump manual).
	Piston packings are worn or damaged.	Replace packings (see pump manual).
	O-ring in pump is worn or damaged.	Replace o-ring (see pump manual).
	Intake valve ball is not seating properly.	Clean intake valve (see pump manual).
	Intake valve ball is packed with material.	Clean intake valve (see pump manual).
	Engine speed is too low.	Increase throttle setting (see operation).
	Clutch is worn or damaged.	Adjust or replace clutch. Page 25.
	Pressure setting is too low.	Increase pressure (see operation).
	Fluid filter, tip filter or tip is clogged or dirty.	Clean filter (see gun manual).
	Large pressure drop in hose with heavy materials.	Use larger diameter hose and/or reduce overall length of hose. Use of more than 100 ft of 1/4 in. hose significantly reduces performance of sprayer. Use 3/8 in. hose for optimum performance (50 ft minimum).
Excessive paint leakage into throat packing nut	Throat packing nut is loose.	Remove throat packing nut spacer. Tighten throat packing nut just enough to stop leakage.
	Throat packings are worn or damaged.	Replace packings (see pump manual).
	Displacement rod is worn or damaged.	Replace rod (see pump manual).
Fluid is spitting from gun	Air in pump or hose.	Check and tighten all fluid connections. Reprime pump (see operation).
	Tip is partially clogged.	Clear tip (see gun manual).
	Fluid supply is low or empty.	Refill fluid supply. Prime pump (see operation). Check fluid supply often to prevent running pump dry.

PROBLEM	CAUSE	SOLUTION
Pump is difficult to prime	Air in pump or hose.	Check and tighten all fluid connections.
		Reduce engine speed and cycle pump as slowly as possible during priming.
	Intake valve is leaking.	Clean intake valve. Be sure ball seat is not nicked or worn and that ball seats well. Reassemble valve.
	Pump packings are worn.	Replace pump packings (see pump manual).
	Paint is too thick.	Thin the paint according to the supplier's recommendations.
	Engine speed is too high.	Decrease throttle setting before priming pump (see operation).
Clutch squeaks each time clutch engages	Clutch surfaces are not matched to each other when new and may cause noise.	Clutch surfaces need to wear into each other. Noise will dissipate after a day of run time.
High engine speed at no load	Worn engine governor.	Replace or service engine governor.

Fluid Pump Runs Constantly

Fluid Pump Runs Constantly



- 1. Perform **Pressure Relief Procedure**, page 8, turn prime valve forward to SPRAY position, and turn power switch OFF.
- 2. Remove control box cover.

With a pressure gauge plumbed into Pump problem. See the proper fluid the paint hose, start the engine. Turn NO pump manual for the sprayer for pump switch ON. Does sprayer further troubleshooting procedures. exceed maximum pressure? YES Disconnect clutch wires from control Mechanical problem in the clutch board (see diagram, page 24). Does pinion assembly (clutch may be NO close to the rotor). the pump stop running? YES Make sure clutch wires are plugged in Check for a short from the two clutch wires to the frame. If shorted, (see diagram, page 24). Do the clutch NO test points read 10-18 DC volts? repair or replace faulty wire. YES Unplug transducer from control board. NO Replace the control board. YES Bad transducer. Replace and test with a new one.

Troubleshooting Procedure:

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Control Board Malfunction

Control Board Malfunction

Troubleshooting Procedure (see following page for actual steps):



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Error Code Section

Error Code Section



Error codes appear on control board as a blinking red LED.

- 1. Remove two screws (71) and swing down cover (70a).
- 2. Start engine.
- 3. Count number of Red LED blinks.

LED BLINKS	SPRAYER OPERATION	INDICATION	ACTION
RED BLINKS 2 TIMES	Sprayer stops. Engine is running.	Exceeded pressure limit.	 Check fluid path for clogs, such as clogged filter. Use Airlessco paint hose, 1/4 in. x 50 ft minimum Smaller hose or metal braid hose may result in pressure spikes. Replace transducer if fluid path is not clogged and proper hose is used.
RED BLINKS 3 TIMES	Sprayer stops. Engine is running.	Pressure transducer faulty, bad connection or broken wire.	 Check transducer connection. Disconnect and reconnect transducer plug to ensure good connection with control board socket. Open prime valve. Replace sprayer transducer with known good transducer and run sprayer. Replace transducer if sprayer runs or control board if sprayer does not run.
RED BLINKS 5 TIMES ****	Sprayer stops. Engine is running.	High clutch current.	 Check wiring connections. Measure: 1.2 + 0.2 Ω across clutch field at 70°F. Replace clutch field assembly.
Constant green LED	Sprayer stops. Engine is running.	Loss of paint to pump or severe pressure loss.	 Check for empty paint condition, clogged inlet strainer, failed pump or severe leak. Reduce pressure and turn pump switch OFF and ON to restart pump.

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After a fault, follow these steps to restart sprayer:

- 1. Correct fault correction
- 2. Turn sprayer OFF
- 3. Turn sprayer ON

Control Board Malfunction (Steps)

Control Board Malfunction (Steps)



Pinion Assembly/Clutch Armature/Clamp

Pinion Assembly/Clutch Armature/Clamp

Pinion Assembly/Clutch Armature Removal

Pinion Assembly

If pinion assembly (29) is not removed from clutch housing (19), do 1. through 3. Otherwise, start at 4.



- 1. Remove drive housing.
- 2. Disconnect clutch cable connectors from inside of pressure control.
 - a. Remove two screws (71) and swing down cover (70a).
 - b. Disconnect engine leads from board to engine.
 - c. Remove strain reliefs 70r and 130.
- 3. Remove four screws (36) and pinion assembly (29).



4. Place pinion assembly (29) on bench with rotor side up.

 Remove four screws (28) and lock washers (24). Install two screws in threaded holes (E) in rotor. Alternately tighten screws until rotor comes off.



- 6. Remove retaining ring (29b).
- 7. Turn pinion assembly over and tap pinion shaft (29a) out with plastic mallet.



Pinion Assembly/Clutch Armature/Clamp

Clutch Armature

- Use an impact wrench or wedge something between clutch armature (25) and clutch housing to hold engine shaft during removal.
- 9. Remove four screws (23) and lock washers (24).
- 10. Remove armature.



Installation

Clutch Armature

- 1. Lay two stacks of two dimes on smooth bench surface.
- 2. Lay armature (25) on two stacks of dimes.
- 3. Press center of hub (26) down to bench surface.



- 4. Install armature (25) on engine drive shaft.
- 5. Install four screws (23) and lock washers (24) with torque of 125 in-lb.

Pinion Assembly

- 1. Check o-ring (29d) and replace if missing or damaged.
- 2. Tap pinion shaft (29a) in with plastic mallet.
- 3. Install retaining ring (29b) with beveled side facing up.
- 4. Place pinion assembly on bench with rotor side up.
- Apply thread sealant to screws. Install four screws (28) and lock washers (24). Alternately torque screws to 125 in-lb until rotor is secure. Use threaded holes to hold rotor.
- 6. Install pinion assembly (29) with four screws (36) and washers (37).
- 7. Connect clutch cable connectors to inside of pressure control.

Pinion Assembly/Clutch Armature/Clamp

Clamp Removal



1. Remove engine.

- 2. Drain gasoline from tank according to Briggs & Stratton manual.
- 3. Tip engine on side so gas tank is down and air cleaner is up.
- 4. Loosen two screws (24) on clamp (22).
- 5. Push screwdriver into slot in clamp (22) and remove clamp.



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Clamp Installation

- 1. Install engine shaft key (18).
- Tap clamp (22) onto engine shaft (A). Maintain dimension shown note 2. Chamfer must face engine.
- Check dimension: Place rigid, straight steel bar (B) across face of clutch housing (19). Use accurate measuring device to measure distance between bar and face of clamp. Adjust clamp as necessary. Torque two screws (24) to 125 ±10 in-lb (14 ±1.1 N•m).



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Parts Drawing - GS950

Parts Drawing - GS950

Part Specifications:

Ref.	Instruction	
10	Torque to 115-135 in-lb (12.9-15.2 N•m)	
12	Torque to 70-80 ft-lb (94.9-108.4 N•m)	
14	Torque to 130-150 in-lb (14.6-16.9 N•m)	
16	Torque to 17-23 ft-lb (23.0-31.1 N•m)	

Ref.	Instruction		
\widehat{A}	Inflate tires to 28-32 psi (1.93-2.21		
<u> </u>	Dai/0.193-0.221 MFa)		
18	Torque to 25-35 in-lb (2.8-3.9 N•m)		
19	Torque to 30-35 in-lb (3.3-3.9 N•m)		
37	Torque to 170-190 in-lb (19.2-21.4 N•m)		



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Parts List - GS950

Parts List - GS950

Ref.	Part	Description	Qty	Ref.	Part	Description	Qty
1	17M303	ENGINE, gasoline, 5.5 HP	1	57	107434	BEARING, thrust	1
2	110837	SCREW, flange, hex	2	59	100214	WASHER, lock	4
3	110838	NUT. lock	2	60	108842	SCREW, cap, hex hd	4
4	17M988	PUMP, displacement (AP)	1	61	119420	WHEEL, pneumatic	2
	17M989	PUMP, displacement (NA)	1	62	277019	COVER, front	1
5	119789	FITTING, elbow, street, 45°.	1	64	112395	SCREW, cap, flng hd	1
		1/4 npt		67	15C871	CAP, leg	2
6	287053	ROD, connecting	1	68	100020	WASHER, lock	4
6a	196750	SPRING, retaining	1	72	237686	WIRE, ground assembly	1
7	195150	NUT, jam, pump	1			w/clamp	
8	196762	PIN, straight	1	73	112798	SCREW, thread forming, hex	1
9	15C146	HOOK, pail	1		171/010	hd DOX soutral	
10	117501	SCREW, mach, hex washer	4	77	1/10/000		1
		hd		79	116038	WASHER, wave spring	2
11	115099	WASHER, garden hose	1	80	156306	WASHER, flat	2
12	15E813	NUT, jam	1	81	113161	SCREW, flange, hex hd	3
13	15B652	WASHER, suction	1	89	119579	CONDUCTOR, ground	1
14	103413	O-RING	2	90▲	194126	LABEL, warning	1
15	15E805	TUBE, intake	1	93	15C709	HOSE, coupled	1
16	246385	STRAINER, 7/8-14 unf	1	94	17M533	LABEL, brand	1
17	276888	CLIP, drain line	1	95	15E891	CLIP, retaining	2
18	119426	SCREW, mach, hex washer	8	99▲	15F638	LABEL, warning	1
		hd		100	114678	BUSHING, strain relief	1
19	287411	FRAME, cart	1	101	119569	BUSHING, strain relief	1
23	17M541	LABEL	1	1114	290228	LABEL, caution	1
34	105510*	WASHER, lock, spring	10	121	114687	CLIP, retainer	1
25	100000	(hi-collar)		123	17N201	GUN, Prolight 500	1
36	100000	KEV parallal	6	124	HSE1450) HOSE, coupled, 1/4 in. x 50 ft	: 1
30 97	103401		1	135	15F354	FUNNEL, oil (not shown)	1
31 20	*	ADMATURE olutob 4 in	1		16Y631	LABEL, warning	1
30 20	*	ARMATORE, Clutch, 4 In.	1		16Y632	LABEL, warning	1
39	*	HOB, annature	1		16Y633	LABEL, warning	1
40	101000*		1		194931	LABEL, warning	1
41	101002	SCREW, cap, sch	4		194935	LABEL, warning	1
40	20/409	HANDLE, Carl	1		194932	LABEL, warning	1
48	109032	SCREW, mach, phn	4		16N948	LABEL, ISO warning	1
49	25111518	HOUSING, drive	1		17A134	LABEL, safety	1
50	1/R/85	HOUSING, pinion	1		179960	LABEL, safety	1
51	1/M314	HOUSING, clutch, mach	1		24X434	LABEL, warning	1
52	116074	WASHER, thrust	1		17R218	LABEL, prime	1
53	287484	CHANK	1				-
		Includes 52, 56, 57		▲ R	eplaceme	nt Danger and Warning I abels	5.
54	244240	HOSE, coupled, <i>includes 55</i>	1	Tag	s and Card	ds are available at no cost.	.,
55	241920	DEFLECTOR, threaded	1	* Inc	luded in C	Clutch Replacement Kit 241109	Э.
56	180131	BEARING, thrust	1			-	

Control Box 17M316

Control Box 17M316



Ref.	Part	Description	Qty
70	17M316	CONTROL BOX	
70a	17M317	BOX	1
70b	287486	KIT, repair, control board	1
70c	117317	SCREW, plastite, pan head	4
70d	256219	POTENTIOMETER	1
70e	198650	SPACER, shaft	1
70f	116752	SWITCH, rocker	1
70h	116167	KNOB, potentiometer	1
70n	17M492	LABEL, brand	1
70r	119545	BUSHING, strain, relief	1

Ref.	Part	Description	Qty
71	116585	SCREW, pan, X recess, sst	2
73	113160	SCREW, mach, slot, hex	4
		wash hd	
74	15C973	GASKET	1
120	16Y415	GASKET, transducer	1
130	119545	BUSHING, strain, relief	1

Part Specifications:

Ref.	Instruction	
20	Torque to 8-12 in-lb (0.9-1.3 N•m)	



Filter (GS950)



Ref.	Part	Description	Qty
20	243222	TRANSDUCER, pressure	1
		control, includes 63	
21	224807	BASE, valve	1
22	235014	VALVE, drain, includes 22a,	1
		22b	
25	15C780	HANDLE,	1
26	15C972	PIN, grooved	1
27	196177	NIPPLE, adapter	2
28	15C766	TUBE, diffusion	1
29	244067	FILTER, fluid	1
30	15E284	HOUSING, filter	1
31	287285	CAP, filter, includes 28, 58	1
58	117285	O-RING	1
63	111457	O-RING	1
81	113161	SCREW, flange, hex hd	3
85	15G331	PLUG, pipe	1
ЗA	4108B		

Part Specifications:

Ref.	Instruction		
14	Torque to 130-150 in-lb (14.6-16.9 N•m)		
21	Torque to 35-45 ft-lb (47.4-61.0 N•m)		
26	Torque to 90-110 in-lb (10.1-12.4 N•m)		

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Pressure Control Wiring Diagrams

Pressure Control Wiring Diagrams

GS950



Technical Data

GS950

	US	Metric	
Engine		•	
Vanguard 5.5 Hp (205 cc)			
Power Rating @ 3400 RPM	5.5 Hp	4.1 KW	
Sprayer			
Maximum Working Pressure	3300 psi	227 bar, 22.7 MPa	
Maximum Delivery Rating	0.75 gpm	2.84 lpm	
Inlet Paint Strainer	12 mesh (1523 micron) stainless steel screen, reusable	12 mesh (1523 micron) stainless steel screen, reusable	
Outlet Paint Filter	60 mesh (250 micron) stainless steel screen, reusable	60 mesh (250 micron) stainless steel screen, reusable	
Pump Inlet Size	1 1/4-12 UNF-2A	1 1/4-12 UNF-2A	
Fluid Outlet Size	1/4 npsm from fluid filter	1/4 npsm from fluid filter	
Maximum Tip Size:	1 Gun with 0.027 in. tip	1 Gun with 0.027 in. tip	
Dimensions			
Weight:	100 lb	45.4 kg	
Height (handle extended):	40.8 in.	103.6 cm	
Length (handle extended):	35.0 in.	88.9 cm	
Width:	22.3 in.	56.6 cm	
Wetted parts	ed parts zinc- and nickel-plated carbon steel, PTFE, nylon, polyurethan UHMW, fluoroelastomer, acetal, leather, aluminum, tungsten carbide, stainless steel, chrome plating		
Noise Level:			
Sound Power	102 dBa per ISO 3744	102 dBa per ISO 3744	
Sound Pressure	87 dBa measured at 3.1 ft	87 dBa measured at 1 m	



Notes

Airlessco Standard Warranty

Airlessco Standard Warranty

Airlessco warrants all equipment referenced in this document which is manufactured by Airlessco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Airlessco, Airlessco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Airlessco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Airlessco's written recommendations.

This warranty does not cover, and Airlessco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Airlessco component parts. Nor shall Airlessco be liable for malfunction, damage or wear caused by the incompatibility of Airlessco equipment with structures, accessories, equipment or materials not supplied by Airlessco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Airlessco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Airlessco distributor for verification of the claimed defect. If the claimed defect is verified, Airlessco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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