

INSTRUCTIONS



308-659

Rev. A



This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

GM 3000® AIRLESS PAINT SPRAYERS

Pressure Control Replacement Kit 238-661 and Triac Replacement Kit 238-660

GENERAL REPAIR INFORMATION

WARNING



INJECTION HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. Fluid under high pressure can be injected through the skin and cause serious injury. To reduce the risk of an injury from injection, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you:

- are instructed to relieve the pressure,
- stop spraying,
- check or service any of the system equipment,
- or install or clean the spray tip.

Pressure Relief Procedure

1. Engage the gun safety latch.
2. Turn the engine switch to OFF.
3. Move the pressure control ON/OFF switch to OFF.
4. Disengage the gun safety latch. Hold a metal part of the gun firmly to a grounded metal pail. Trigger the gun to relieve pressure.
5. Engage the gun safety latch.
6. Open the pressure drain valve. Leave the pressure drain valve open until you are ready to spray again.
7. Disconnect the spark plug cable.

If you suspect that the spray tip or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, **VERY SLOWLY** loosen the tip guard retaining nut or hose end coupling to Relieve the pressure gradually, then loosen completely. Now clear the tip or hose.

Test your repair before regular operation of the sprayer to be sure the problem is corrected.

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Control Module

⚠ WARNING



INJECTION HAZARD

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, follow the **Pressure Relief Procedure** on page 1.

NOTE: See Fig. 1 for this procedure.

1. Relieve pressure.
2. Remove the junction box screws (65) and lock washers (37) and lower the junction box (301).
3. Remove screw (71) and disconnect harness connector (A) from the control module in the junction box.
4. Remove screws (303) and lock washers (304), disconnect all wires.
5. Install new control module. Reconnect all wires.
6. Work backwards from step 3 to reassemble.

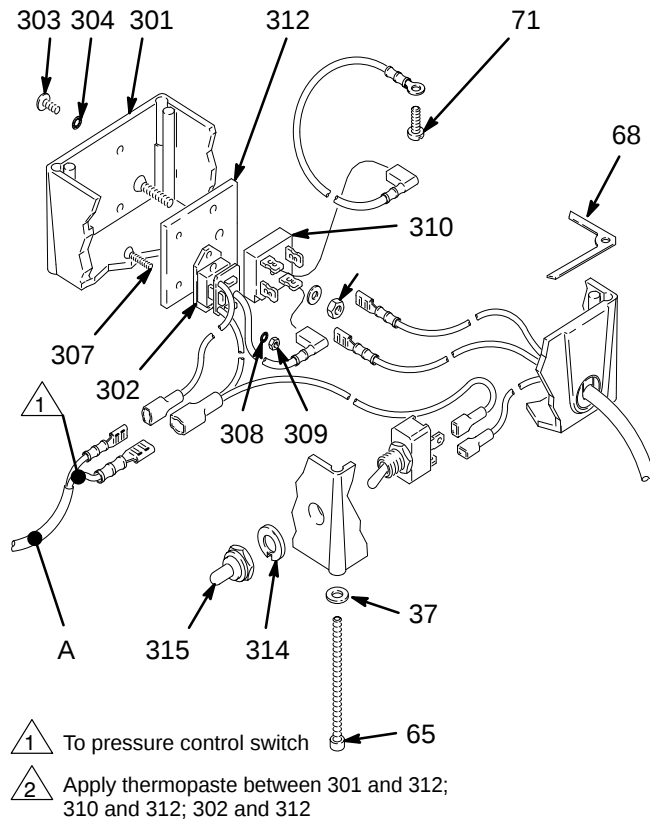


Fig. 1

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Triac

⚠ WARNING



INJECTION HAZARD

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, follow the **Pressure Relief Procedure** on page 1.

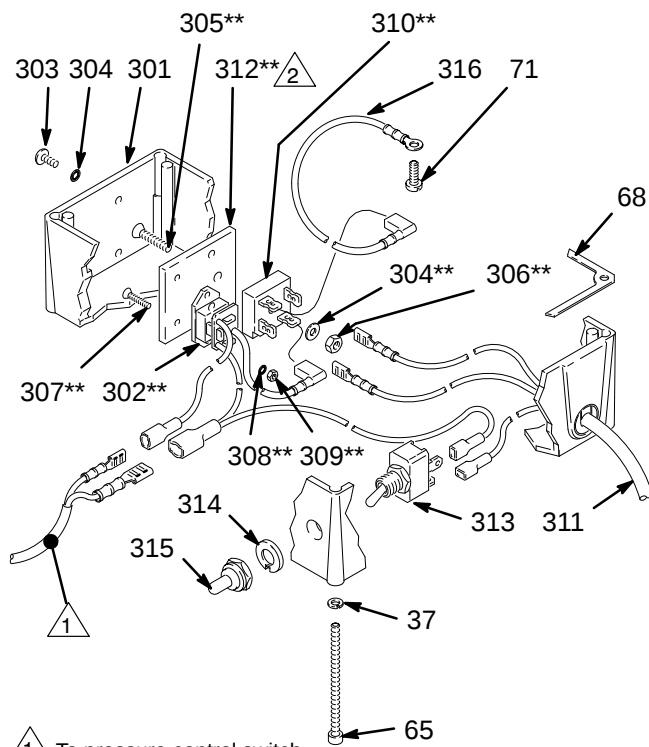
1. Relieve pressure.
2. Remove the junction box screws (65) and lock washers (37) and remove the junction box (301).
3. Disconnect all leads to the triac (302).
4. Remove two screws (307) from module plate (312). Remove the triac.
5. Install new triac (302) to module plate with two screws (307), lockwashers (308) and nuts (309).
6. Connect all leads to the triac (302).
7. Install the junction box. Be sure no leads are pinched against the mounting face. Also be sure the gasket (68) is installed.

Pressure Control Parts List

238–672 Pressure Control for the GM 3000 Sprayers

Ref No.	Part No.	Description	Qty	Ref No.	Part No.	Description	Qty
301	280–340	HOUSING, box, junction	1	311	238–676	CONDUCTOR, electrical	1
302	238–660**	TRIAC	1	312**	191–242	PLATE, module	1
303	100–035	SCREW, panhead, 10–24 x 2 inch	2	313	105–679	SWITCH, toggle	1
304	157–021**	LOCKWASHER, No. 10	3	314	105–658	RING, locking	1
305	108–783**	SCREW, filhd,	1	315	105–659	BOOT, toggle	1
306	100–284**	NUT, hex	1	316	238–791	CONDUCTOR, electrical	1
307	107–070**	SCREW, flat hd	2	**Included in Repair Kit No. 238–661.			
308	103–181**	LOCKWASHER	2	▲ Replacement Danger and Warning labels, tags, and cards are available free.			
309	100–072**	NUT, hex	2				
310	108–219**	RECTIFIER, bridge	1				

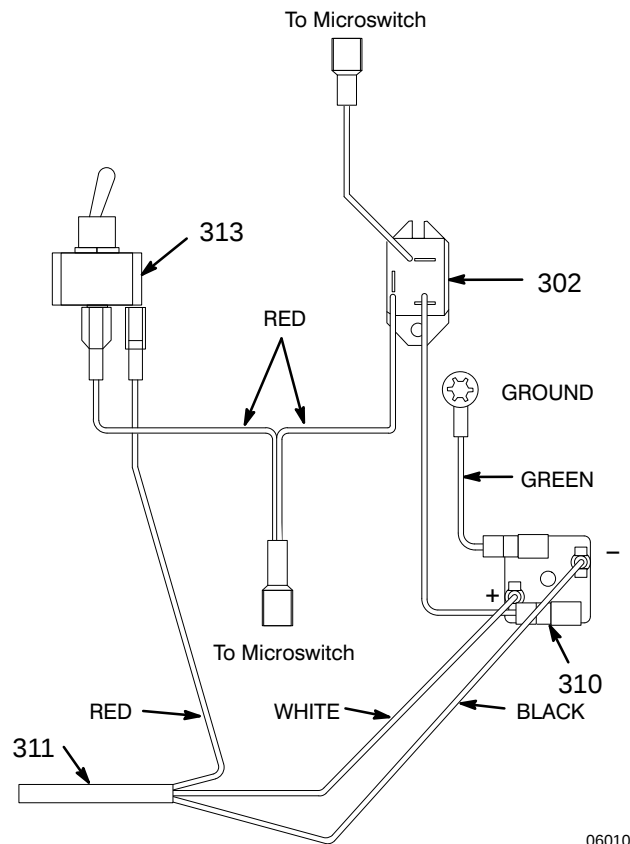
Parts Drawing – Pressure Control



- 1 To pressure control switch
- 2 Apply thermopaste between 301 and 312;
310 and 312; 302 and 312

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Wiring Schematic – Pressure Control



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