



INSTRUCTIONS

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

ULTRA® *Plus*+ 1500 ULTRA® Max 1595 Mark V Texture Pressure Control Replacement Kit

3000 psi (21.0 MPa, 210 bar) Maximum Working Pressure

Model 239-429

Pressure Control Replacement Kit
for 220 VAC ULTRA® *Plus*+1500 & Mark V Texture Sprayers

Model 239-750

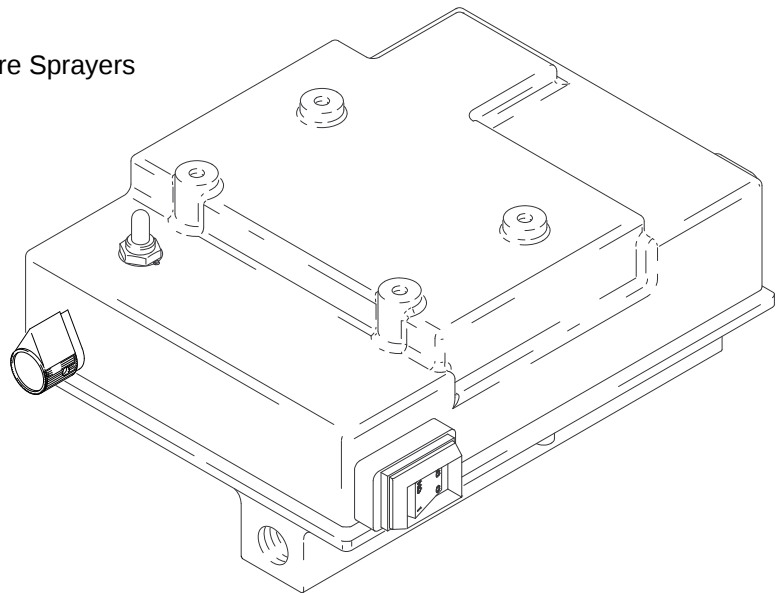
Pressure Control Replacement Kit
for 120 VAC ULTRA® *Plus*+1500 & Mark V Texture Sprayers

Model 240-576

Pressure Control Replacement Kit
for 220 VAC ULTRA® Max 1595 Sprayers

Model 240-575

Pressure Control Replacement Kit
for 120 VAC ULTRA® Max 1595 Sprayers



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Pressure Relief Procedure

⚠ WARNING



PRESSURIZED EQUIPMENT HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. To reduce the risk of an injury from accidental spray from the gun, 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 nozzle.

1. Engage gun safety latch.
2. Turn ON/OFF switch to OFF.
3. Unplug power cord.
4. Disengage gun safety latch. Hold metal part of gun against grounded metal pail and trigger gun into pail to relieve pressure.
5. Engage gun safety latch.
6. Open any fluid drain valves in system. Leave drain valve open until ready to dispense again.

Removing and Installing Pressure Control

⚠ CAUTION

Do not install the pressure control until motor is checked. A defective motor may damage the pressure control. Make sure to test the motor prior to pressure control installation.

Motor Test

⚠ WARNING



ELECTRIC SHOCK HAZARD

To reduce the risk of Electric Shock: wait 5 minutes after turning sprayer off before servicing to allow stored current to discharge.

With motor shield off and four motor leads disconnected:

⚠ CAUTION

A motor that is shorted to ground will damage the pressure control.

1. Check continuity with multimeter from each black motor lead to ground (one at a time). Any reading less than infinite resistance – even very high resistance – means motor is shorted to ground. Replace motor.

2. Remove fan cover from motor.
3. Push retaining spring (35) up and push out pin (20). See Fig. 1.

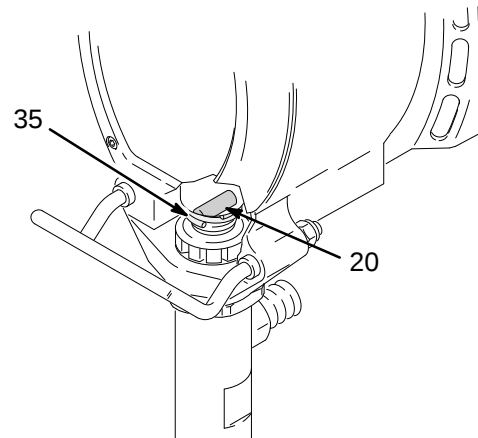


Fig. 1

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4. With black motor leads not connected, use motor fan to spin motor quickly. Motor should spin freely in both directions. If not, replace motor.
5. Connect black motor leads together.
6. Use motor fan to turn motor. It should be much harder to turn than in step 4. If there is uneven or no resistance to turning, check brushes and replace if necessary.
7. If there is still uneven or no resistance to turning, replace motor.

Removing and Installing Pressure Control

WARNING



MOVING PARTS HAZARD

Be sure retaining spring (35) is firmly in groove of connecting rod, all the way around, to prevent it from working loose due to vibration.

If pin works loose, it or other parts could break off due to force of pumping action. These parts could be projected through the air and result in serious bodily injury or property damage, including damage to the pump, connecting rod or bearing housing.

8. Install pump pin and fan cover.

Models 239–429 and 239–750

Removal and Installation

WARNING



INJECTION HAZARD

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, follow the **Pressure Relief Procedure** on page 2.

1. Relieve pressure.
2. Remove ten screws (64) and motor shield (14). See Fig. 5, except as noted.
3. Loosen outlet cover on pressure control wiring box. Disconnect motor leads. See Fig 4.

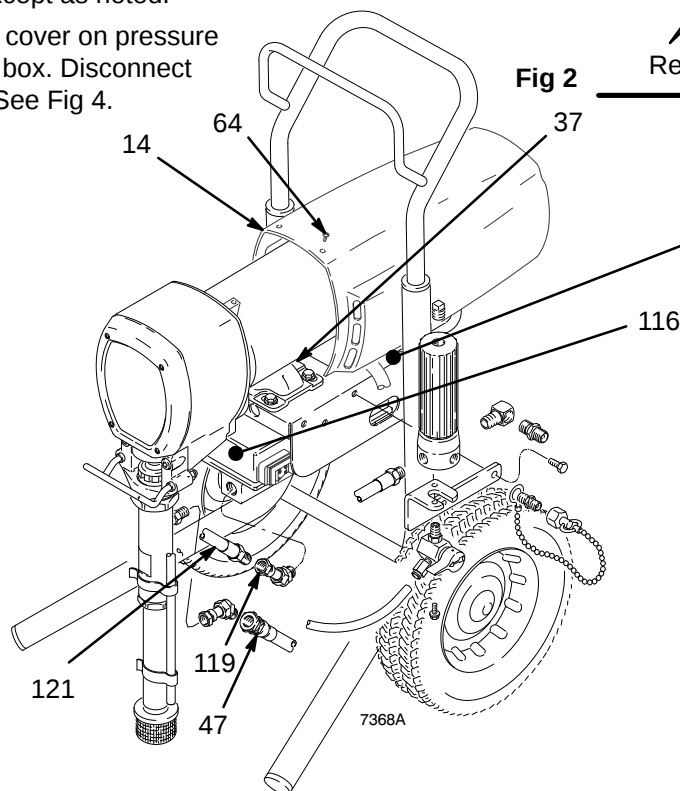
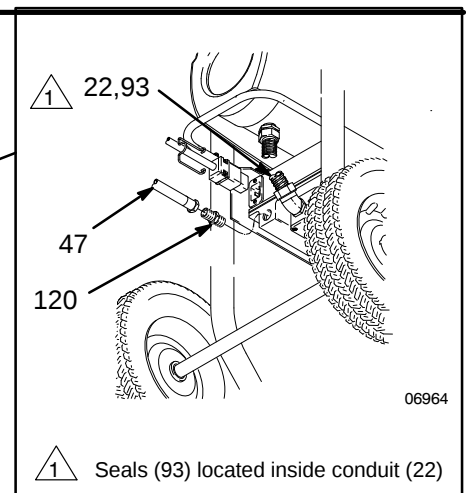
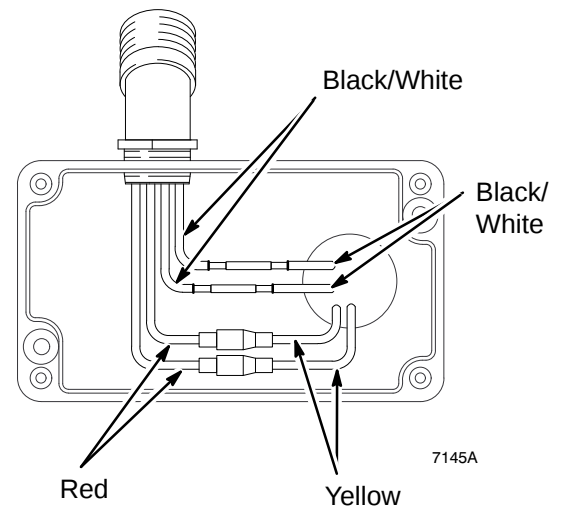


Fig 3

4. Loosen black conduit (22) from pressure control fitting and pull out wires
5. Remove hose (47) from rear of pressure control (116).
6. Remove hose (121) and 45° swivel union (119) from front of pressure control (116).
7. Support pressure control (116) and carefully remove motor mount screws (37). Remove pressure control.
8. Install new pressure control (116) with screws (37).
9. Continue to assemble sprayer.



Removing and Installing Pressure Control

Models 240–575 and 240–576

Removal and Installation

⚠ WARNING



INJECTION HAZARD

To reduce risk of serious injury, when instructed to relieve pressure, follow **Pressure Relief Procedure** on page 2.

1. Relieve pressure.
2. Remove two screws (19) holding filter assembly (A). See Fig. 5 and parts list, except as noted.
3. Remove filter assembly by unthreading swivel union (15) from hex nipple (103). Unthread nipple from pressure control (5)
4. Remove eight screws (64) and motor shield (14).
5. Remove outlet cover (221) on pressure control wiring box. Disconnect motor leads. See Fig 4.
6. Loosen electrical tubing (22) from pressure control fitting and pull out wires

7. Remove hose (28) from rear of pressure control swivel union (15).
8. Support pressure control (5) and carefully remove motor mount screws (37). Remove pressure control.
9. Install new pressure control (5) with screws (37).
10. Continue to assemble sprayer.

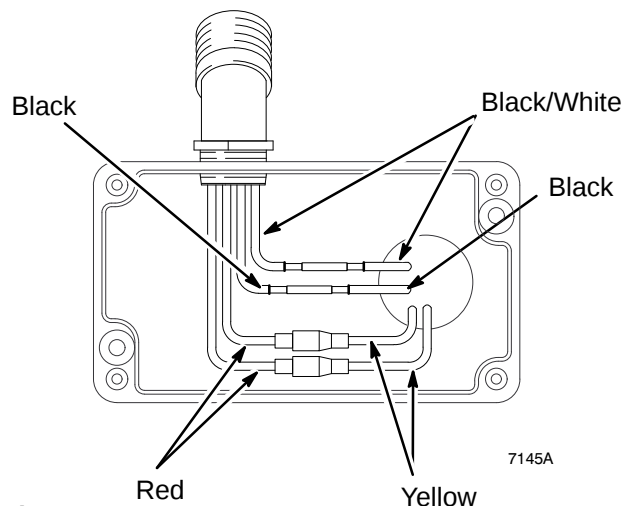


Fig 4

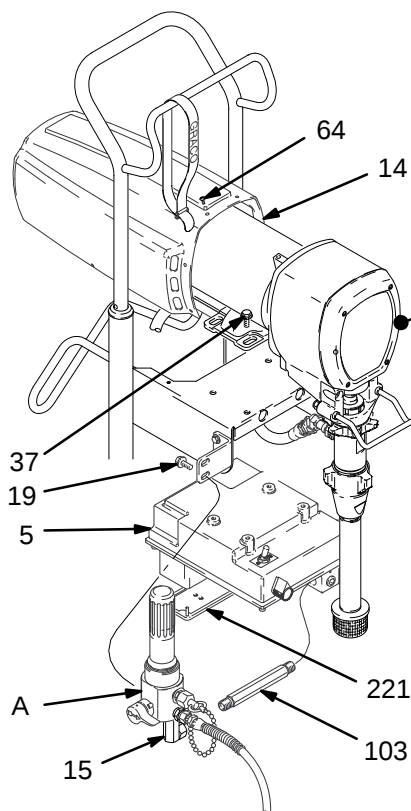
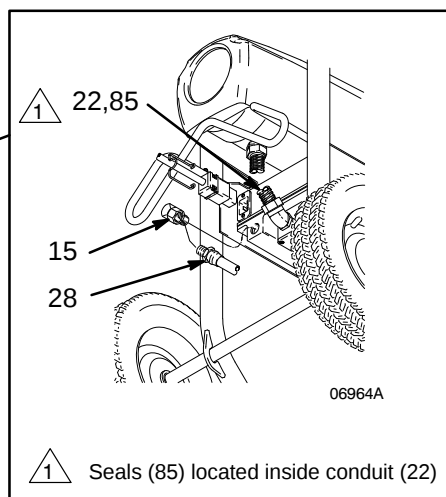


Fig 5



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