

Instructions



Motor Kit for Magnum dx, AX, X5, X7, LTS 15, LTS 17, Project Painter™, Project Painter™ Plus, M3+, M5+, L10+, Pro Plus™ A20, Pro Plus™ A30, Pro Plus™ A45, and RPX 150 Roller and Spray System

309328H
EN

This manual contains kit installation instructions only

Motor Kit: 245080, 245646, 289915, 16E838, 16G228



Important Safety Instructions

For detailed sprayer information and warnings, see Operation manuals.

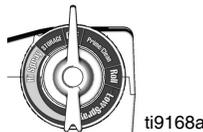
Pressure Relief Procedure

To help prevent injection injuries, follow this procedure when you stop spraying and before you service or clean the sprayer, remove parts, or repair leaks.							

Project Painter 5 and Project Painter 7 Units:

1. Turn AllControl to OFF. Unplug sprayer.
2. Trigger Gun.
3. Put trigger safety in safety ON position.

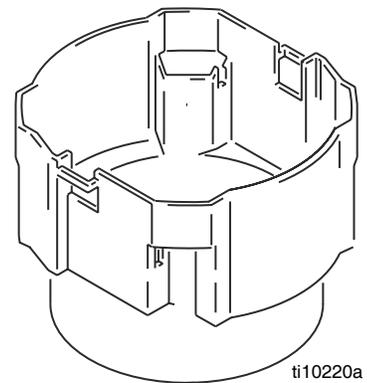
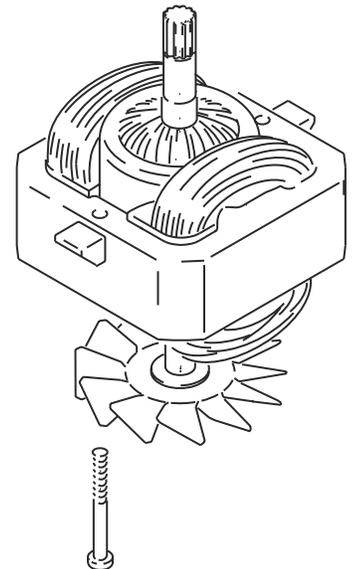
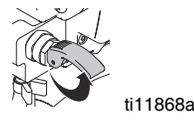
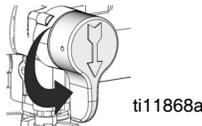
NOTE: Leave AllControl in OFF position until you are ready to spray again.



Magnum dx, AX, RPX 150, X5, X7, LTS 15, LTS 17, Project Painter Plus, M3+, M5+, L10+, Pro Plus A20, Pro Plus A30, and Pro Plus A45 Units:

1. Turn Power switch OFF. Unplug sprayer.
2. Turn Spray/Prime valve to PRIME to relieve pressure. Turn pressure control knob left (counterclockwise) to minimize pressure.
3. Trigger gun.
4. Put trigger safety in safety ON position.

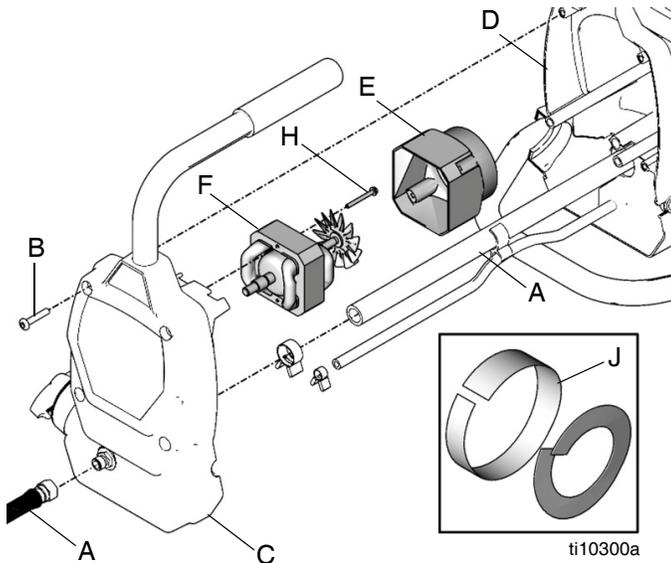
NOTE: Leave Spray/Prime valve in PRIME position until you are ready to spray again.



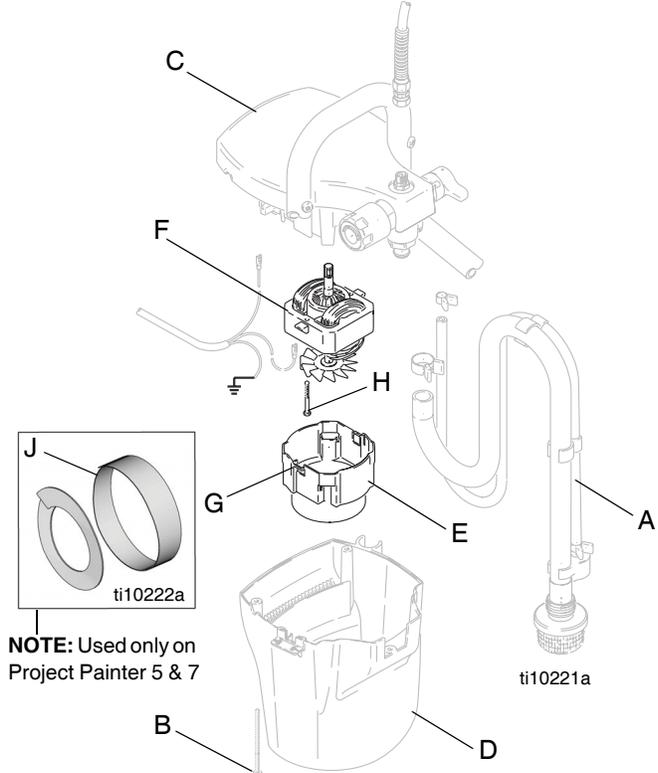
If you suspect that the spray tip or hose is completely clogged or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen the tip guard retaining nut or hose end coupling to relieve pressure gradually. Then loosen it completely. Clear the tip or hose obstruction.

Motor Kit 245080, 245646, 16E838, 16G228

Project Painter 5



Project Painter 7



ELECTRIC SHOCK HAZARD MOVING PARTS HAZARD To reduce risk of serious injury, including electric shock, do not touch moving or electrical parts with fingers or tools while testing repair. Unplug sprayer when power is not required for testing. Install all covers, gaskets, screws, and washers before you operate sprayer.						

Disassembly

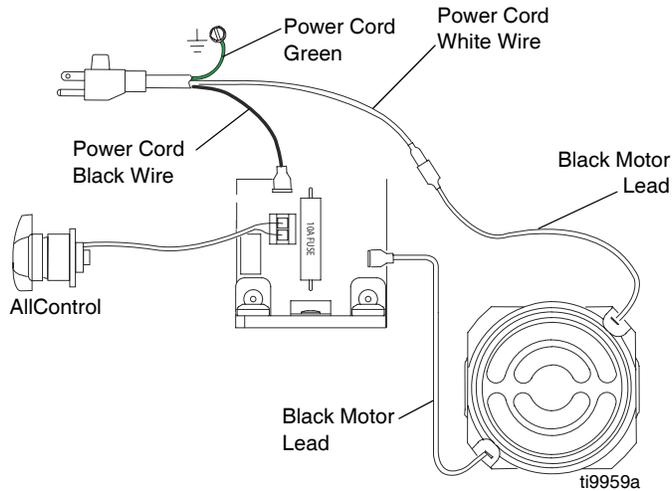
1. Unplug electrical cord.
2. Relieve Pressure by following the procedure described on page 1, or see the Operation manual.
3. Remove all hoses (A).
4. Carefully cut two AllControl labels.
5. Tip the unit on its back.
6. Remove enclosure screws (B) from enclosure using a T-20 torx screwdriver. Separate enclosure (D) from cover (C).
7. Disconnect 2 motor leads from control board and power cord.
8. Remove the fan cover (E) by gently using a straight blade screwdriver.
9. Remove the 2 motor screws (H) using a T-20 torx or straight blade screwdriver and discard old motor (F).

Assembly

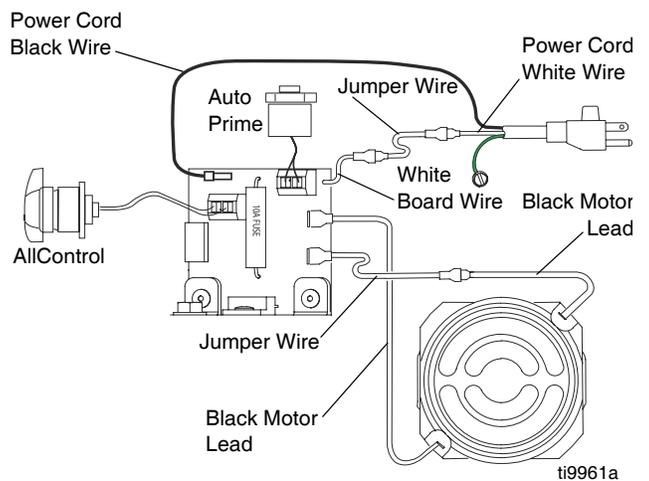
1. Place new motor (F) in pump housing. Rotate fan slightly to engage teeth.
2. Replace 2 screws (H). Torque to 20 to 25 in-lb (2.3 to 2.8 N•m).
3. Replace fan cover (E), making sure clips (G) line up with notches on motor (F) and snap into place securely.
4. Reconnect motor harness leads as shown in the illustrations below.
5. Replace cover (D) with screws (B) and torque to 25 to 35 in-lb (2.8 to 4.0 N•m).
6. **Project Painter 5 and Project Painter 7** - Apply AllControl labels (J).
7. Replace all hoses (A).

NOTE: Carefully feed one lead wire through the corner opening on the cover. The other lead wire should be at the opposite corner.

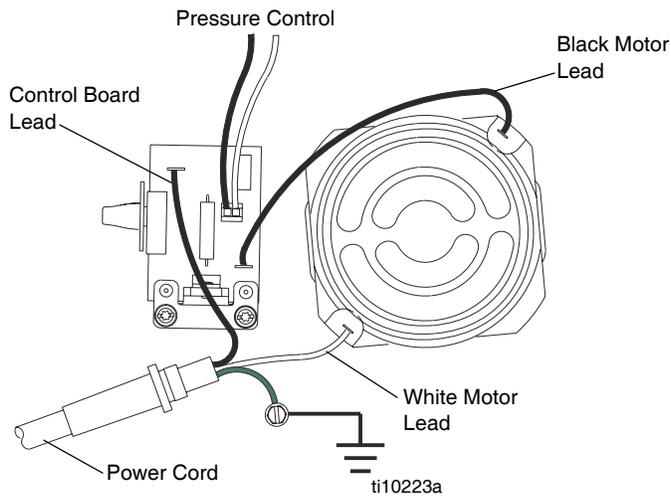
Project Painter 5



Project Painter 7



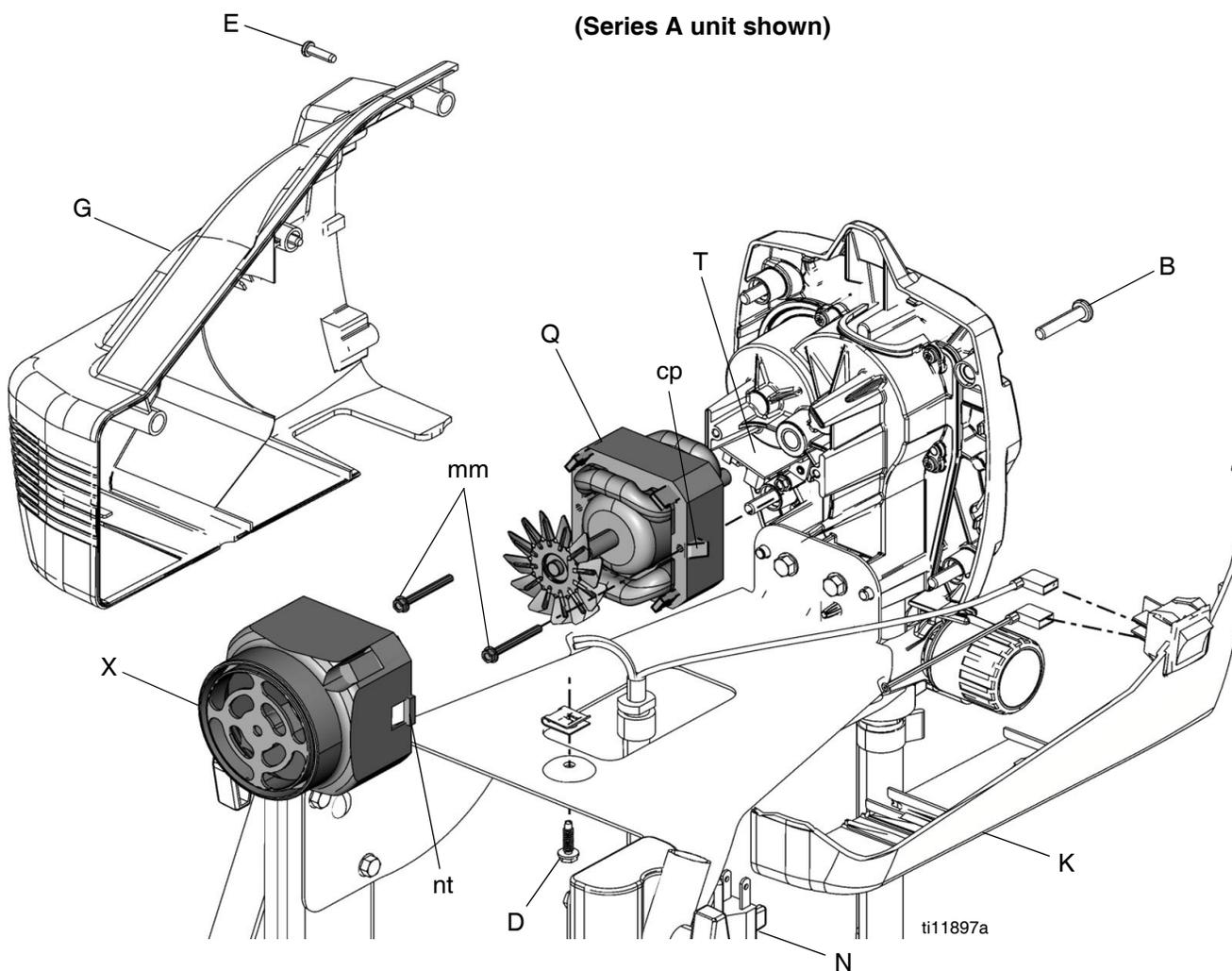
Magnum dx, AX & RPX 150



X5, X7, LTS 15, LTS 17, Project Painter Plus, M3+, M5+, L10+, Pro Plus A20, Pro Plus A30 and Pro Plus A45

Disassembly

1. Unplug power cord (N) and **Relieve Pressure** (see page 1 or Operation manual).
2. Remove side shroud screws (E) (T-20 Torx).
3. Remove 4 front cover screws (B) (T-30 Torx).
4. Remove underside shroud mounting screw (D) if needed.
5. Remove right shroud (G).
6. Remove left shroud (K).
7. Disconnect motor leads from control board (T).
8. Remove fan cover (X) by gently using a straight blade screwdriver.
9. Remove 2 motor screws (mm) (T-20 Torx).
10. Remove motor (Q).

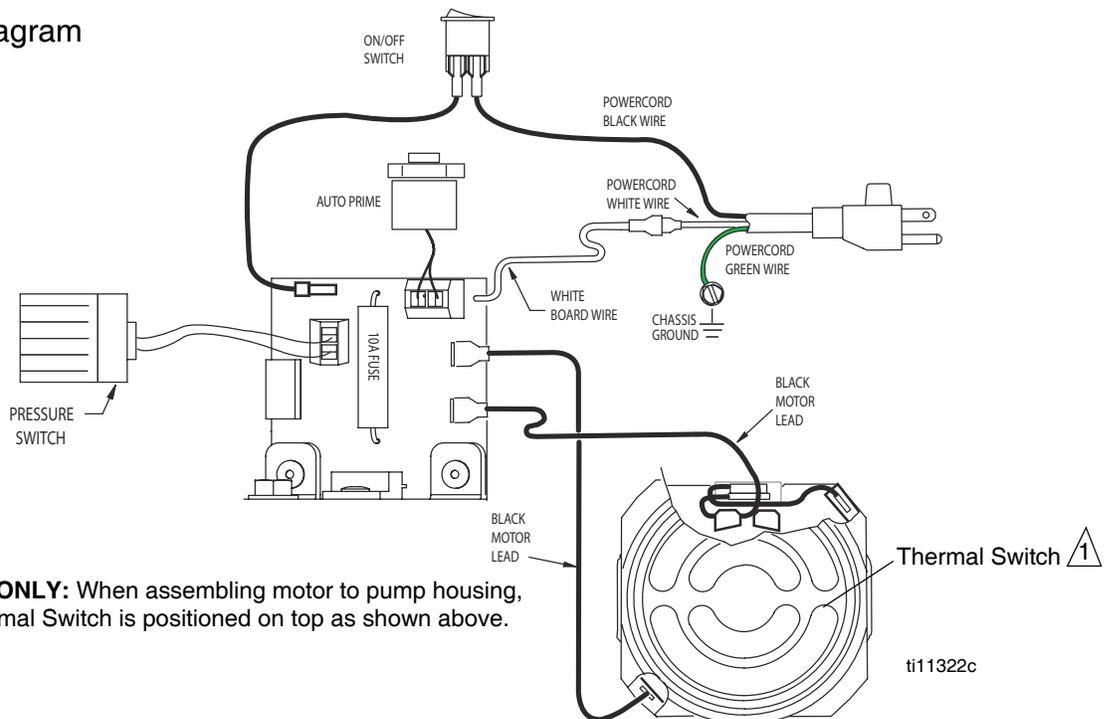


Assembly

1. With motor thermal switch facing up (Series A units only), assemble new motor (Q) onto pump housing (ph). Rotate fan slightly to engage teeth. Install 2 motor screws (mm). Torque to 20 to 25 in-lb (2.3 to 2.8 N•m).
2. Reconnect motor leads to control board (T).
3. Replace fan cover (X). Make sure clips (cp) align with notches on motor (nt) and snap securely into place.
4. Install power cord (N) into recess on left shroud (K).
5. Reassemble both shrouds (G and K).
6. Install front side screws (E) (T-20 Torx). Torque to 20 to 25 in-lb (2.3 to 2.8 N•m).
7. Install 4 front cover screws (B) (T-30 Torx). Torque to 26 to 32 in-lb (2.9 to 3.6 N•m).
8. Install underside shroud mounting screw (D) if needed. Torque to 25 to 35 in-lb (2.8 to 3.9 N•m).

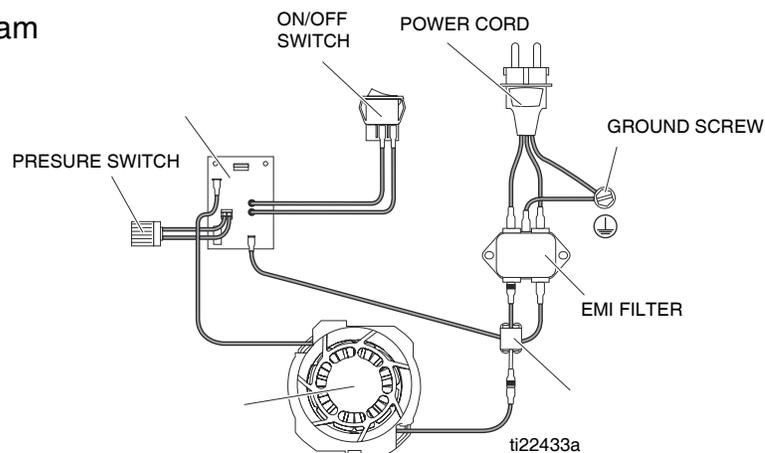
Note: Carefully feed one lead wire through lower-left corner opening on fan cover (X). The other lead wire will exit between fan cover and the motor lamination.

120V Wiring Diagram



Series A units ONLY: When assembling motor to pump housing, make sure Thermal Switch is positioned on top as shown above.

240V Wiring Diagram



*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

For patent information, see www.graco.com/patents

Original instructions. This manual contains English. MM 309328

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