



Advanced Performance. Total Reliability.

Owner's Manual

For professional use only

**Do not use this equipment
before reading this manual!**

SPEEFLO PowrTex 300DD / 600DD Texture Sprayers



Model Numbers:

PowrTex 300DD	600-130
PowrTex 600DD	600-140

NOTE: This manual contains important warnings and instructions. Please read and retain for reference.



Important Safety Information • Read all safety information before operating the equipment. **SAVE THESE INSTRUCTIONS.**



This symbol indicates a hazardous situation, which, if not avoided could result in death or serious injury.

HAZARD: ELECTRIC SHOCK HAZARD

May cause severe injury.

- Power cord must be connected to a grounded circuit. Do not use a 3 to 2 adapter.
- Always unplug cord from outlet and bleed pressure before working on equipment.
- Never submerge electrical parts.
- Do not expose the spray system to rain. Always store the spray system indoors.



HAZARD: EXPLOSION HAZARD DUE TO INCOMPATIBLE MATERIALS

Will cause property damage or severe injury.

PREVENTION:

- Do not use materials containing bleach or chlorine.
- Do not use halogenated hydrocarbon solvents such as bleach, mildewcide, methylene chloride and 1,1,1 - trichloroethane. They are not compatible with aluminum.
- Contact your coating supplier about the compatibility of material with aluminum.



HAZARD: DUST INHALATION

Dust or mist created by this sprayer may cause eye, skin, throat, or respiratory irritation.

- Avoid inhalation of mist or dust. Wear a NIOSH / MSHA approved respirator when using this equipment or for anyone entering the work area.
- Maintain proper ventilation to reduce mist / dust exposure.
- NO EATING, DRINKING, OR SMOKING should be done in the work area to prevent ingesting contaminated material particles. Workers should wash and clean up before eating, drinking, and smoking. Articles of food, drink, or smoking should not be left in the work area where dust would settle on them.
- Follow all warnings and recommendations provided by the textured coating manufacturer.

HAZARD: GENERAL

Can cause severe injury or property damage.

- Read all instructions and safety precautions for equipment and spray material before operating any equipment.
- Comply with all appropriate local, state and national codes governing ventilation, fire prevention and operation.
- This unit is intended for use with **water-based textured materials only. DO NOT** use this sprayer with any flammable or oil-based materials.
- Keep sprayer out of the reach of children.
- Hearing protection is recommended for extended use.
- Always wear appropriate gloves, eye protection, clothing and a respirator or mask when spraying.
- Do not aim the gun at or spray any person or animal.



- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not leave the sprayer energized or under pressure while unattended. When the unit is not in use, turn off the sprayer and relieve the pressure in accordance with the Pressure Relief Procedure.
- Always follow the Pressure Relief Procedure when shutting the sprayer down for any purpose, including servicing or adjusting any part of the spray system, changing or cleaning spray nozzles, or preparing for cleanup.
- This system is capable of producing 100 PSI / 0.69 MPa. Only use replacement parts or accessories that are specified by the manufacturer and that are rated a minimum of 100 PSI. This includes spray nozzles, spray guns, extensions, fittings, and hose.
- Use only manufacturer authorized parts. User assumes all risks and liabilities when using parts that do not meet the minimum specifications and safety devices of the sprayer manufacturer.
- Do not overreach or stand on an unstable support. Certain material overspray can make floors slippery. Keep effective footing and balance at all times. Wear rubber-soled shoes.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Never modify the pump assembly, air compressor, spray gun, or any other component of the spray system.
- Check all components of the spray system daily. Repair or replace any worn or damaged parts immediately.
- Never directly inhale compressed air. Compressed air may contain toxic vapors.
- Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.
- Fittings on the hose, compressor, radiator, and pump become hot during use. Avoid skin contact with any fittings when they are hot. Allow the fittings to cool before touching.
- Know the contents of the material being sprayed. Read all Material Safety Data Sheets (MSDS) and container labels provided with the materials. Follow the material manufacturer's safety instructions.
- Do not use the hose as a strength member to pull or lift the equipment.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over-bend the hose. Hoses can develop leaks from wear, kinking and abuse.
- Do not expose the hose to temperatures or pressures in excess of those specified by manufacturer.
- Install the supplied hopper cover onto the hopper before starting the spray system. When the system is turned on with only a small amount of material in the hopper, the hopper cover will prevent material from spraying out of the hopper.



Grounding Instructions

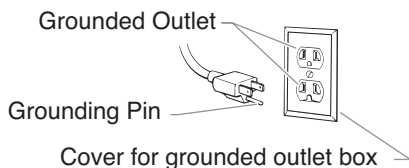
This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper installation of the grounding plug can result in a risk of electric shock.



If repair or replacement of the cord or plug is necessary, do not connect the green grounding wire to either flat blade terminal. The wire with insulation having a green outer surface with or without yellow stripes is the grounding wire and must be connected to the grounding pin.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.



Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A 12 gauge cord is recommended. If an extension cord is to be used outdoors, it must be marked with the suffix W-A after the cord type designation. For example, a designation of SJTW-A would indicate that the cord would be appropriate for outdoor use.

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Specifications

PowrTex 300DD and 600DD Sprayers

Gallons per minute (GPM):

PowrTex 300DD..... 1.0 (3.8 LPM)

PowrTex 600DD..... 3.0 (11.4LPM)

Maximum pressure 100 PSI (0.69 MPa)

Compressor Size:

PowrTex 300DD..... 1.5 HP, 8.4 Max. CFM

PowrTex 600DD..... 2.0 HP, 11.4 Max. CFM

Voltage 100~120V AC, 50/60 Hz

Maximum current consumption 15 A

Hopper Size (gallons):

PowrTex 300DD..... 12 (45.4 liters)

PowrTex 600DD..... 20 (75.7 liters)

Weight:

PowrTex 300DD..... 97 lbs. (43.9 kg)

PowrTex 600DD..... 122 lbs. (55.3 kg)

Maximum hose length:

PowrTex 300DD..... 50' (15.2 m)

PowrTex 600DD..... 100' (30.5 m)

NOTE: Maximum hose length may vary depending on the hose diameter and the viscosity of the material being sprayed.

PowrTex Spray Gun

Maximum Operating Pressure..... 100 PSI (0.69 MPa)

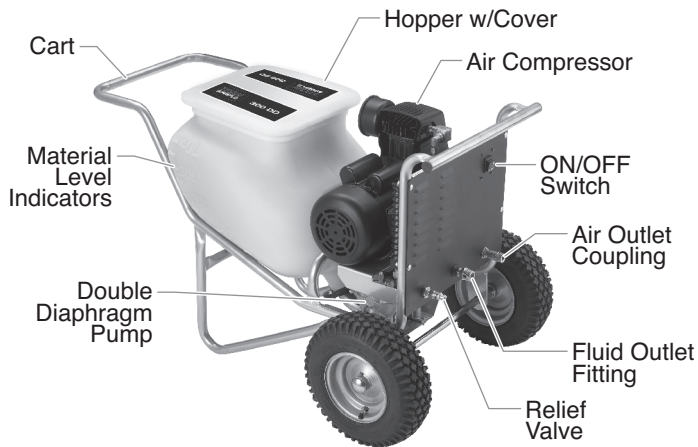
Maximum Air Pressure 100 PSI (0.69 MPa)

Weight 2.2 lbs. (1 kg)

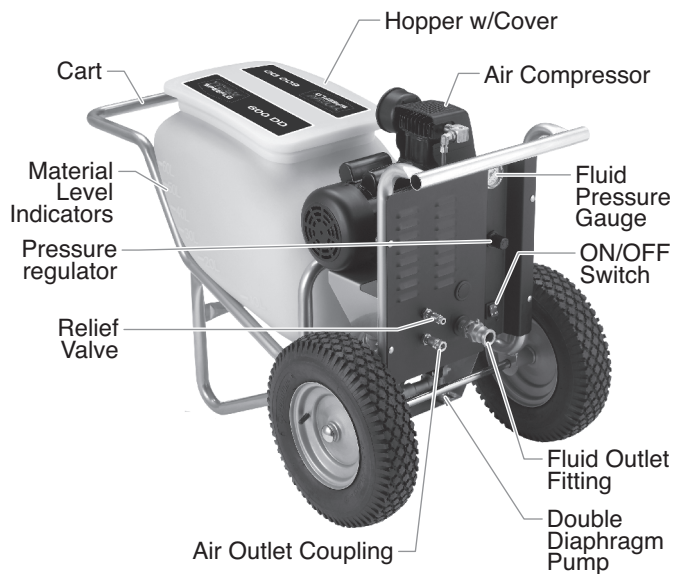
General Description

The PowrTex 300DD and PowrTex 600DD texture sprayers are precision power tools used for spraying many types of water-based, textured products from a ready-mixed or powdered formulation. Read and follow this instruction manual carefully for proper operating instructions, maintenance, and safety information.

PowrTex 300DD



PowrTex 600DD



Operator Controls

The following section describes the operator controls on PowrTex sprayer and the PowrTex spray gun.

Sprayer Controls

ON/OFF Switch

The ON/OFF switch controls power to the air compressor. Moving the ON/OFF switch to the ON position starts the compressor and begins the flow of air to the spray gun and double diaphragm pump.

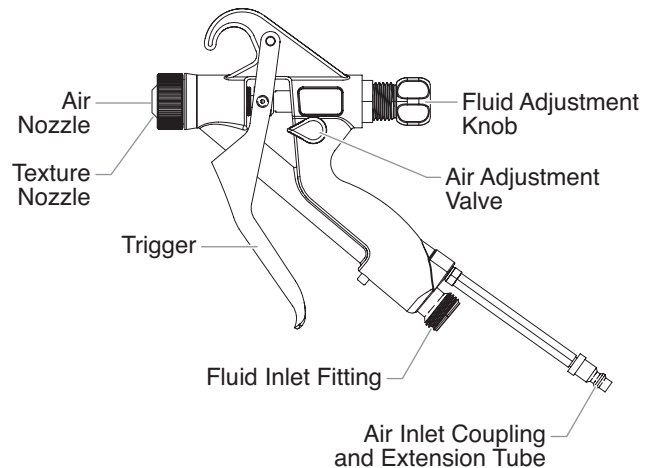
Fluid Pressure Regulator — PowrTex 600DD

The fluid pressure regulator controls the flow of air to the double diaphragm pump. Turning the fluid pressure regulator clockwise increases the flow of air to the double diaphragm pump. Turning the fluid pressure regulator counterclockwise decreases the flow of air to the double diaphragm pump.

NOTE: The recommended setting for most textured material is 40 – 50 PSI.

NOTE: The double diaphragm pump operates using air from the air compressor. Any increase to the setting of the fluid pressure regulator to increase fluid volume to the spray gun will also decrease the air flow to the spray gun.

Spray Gun Controls



Air Adjustment Valve

The air adjustment valve controls the flow of air to the air nozzle on the spray gun. Moving the air adjustment valve clockwise toward the vertical position increases the flow of air to the air nozzle. Moving the air adjustment valve counterclockwise toward the horizontal position decreases the flow of air to the air nozzle. When the air adjustment valve is turned fully counterclockwise to the horizontal position, air flow is completely shut off to the air nozzle.

Fluid Adjustment Knob

The fluid adjustment knob controls the volume of material flowing to the texture nozzle. Turning the fluid adjustment knob clockwise shortens the trigger pull and decreases the volume of material flowing to the texture nozzle. Turning the fluid adjustment knob counterclockwise lengthens the trigger pull and increases the flow of material to the texture nozzle.

Operation

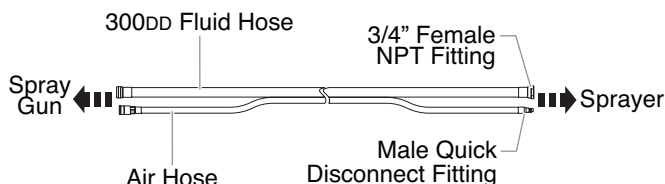


Read and understand the warnings at the front of this manual before operating this equipment.

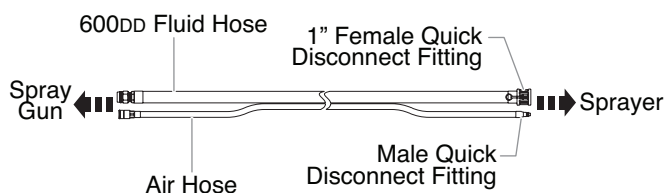
Setup

Perform the following procedure before plugging in the power cord of the sprayer.

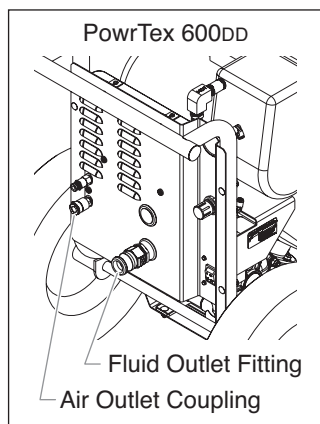
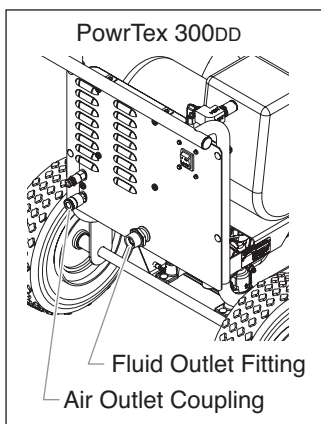
1. Attach the fluid hose to the fluid outlet fitting on the sprayer.
 - a. For the PowrTex 300DD, thread the 3/4" female NPT fitting onto the male fluid outlet fitting on the sprayer.



- b. For the PowrTex 600DD, couple the 1" female quick disconnect fitting to the male fluid outlet fitting on the sprayer.



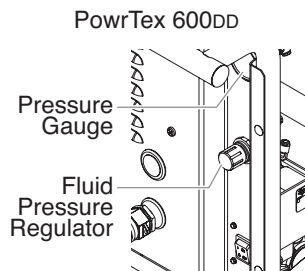
NOTE: The fluid hose and air hose included with the sprayer are bonded together for ease of use.



2. Attach the other end of the fluid hose to the fluid fitting on the PowrTex spray gun. Tighten securely.
3. Attach the male quick disconnect fitting on the air hose to the air outlet coupling on the sprayer.
4. Attach the female quick disconnect fitting on the air hose to the air inlet coupling on the PowrTex spray gun.
5. Install the appropriate texture nozzle for the material being sprayed (refer to the "Installing a Texture Nozzle" procedure in the Spray Gun Operation section as well as the "Texture Nozzle Chart" in the Parts List section of this manual). While triggering the gun, tighten the nozzle nut securely.

IMPORTANT: Always pull the spray gun trigger when tightening the nozzle nut. Failure to pull the trigger can result in damage to the texture nozzle and gun needle assembly.

6. For the PowrTex 600DD only, make sure the fluid pressure regulator is turned fully counterclockwise to its minimum pressure position.
7. Make sure the air filter on the compressor is clean and installed.
8. Make sure the electrical service is 120V, 15 amp minimum.
9. Plug the power cord into a properly grounded outlet.



IMPORTANT: Always use a minimum 12 gauge, three-wire extension cord with a grounded plug. Never remove the third prong or use an adapter.



Be sure to follow the Pressure Relief Procedure when shutting the sprayer down for any purpose, including servicing or adjusting any part of the spray system, changing or cleaning spray nozzles, or preparing for cleanup.

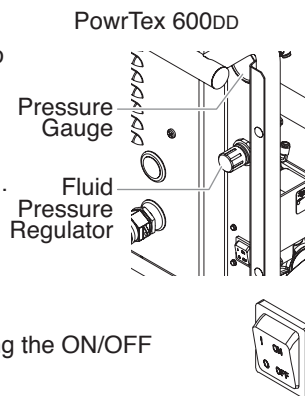


The air compressor motor is protected from thermal overload by a thermal protector switch. If the motor overheats, the thermal protector switch will shut off the motor automatically. Make sure all guards and shrouds are in place on the compressor before pressing the reset switch after a thermal overload. If this occurs, allow the motor to cool for 10–15 minutes. Then, press the reset switch located on the motor housing to restart the motor.

Preparing to Spray

Use the following procedure to flush the sprayer with water before spraying begins. This will remove any sediment that may be in the system.

1. Fill the hopper 1/4 full with water.
2. Move the air adjustment valve on the spray gun to the half-open (45°) position.
3. For the PowrTex 600DD only, turn the fluid pressure regulator fully counterclockwise to its minimum pressure position.
4. Turn on the sprayer by moving the ON/OFF switch to the ON position.
5. For the PowrTex 600DD only, turn the fluid pressure regulator clockwise until the pressure gauge reads 30 PSI.
6. Trigger the spray gun into a waste container. Continue holding the trigger open until the water has emptied from the hopper.
7. Turn off the sprayer by moving the ON/OFF switch to the OFF position.



Preparing the Spray Material

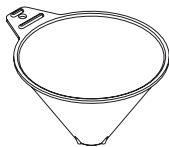
The sprayer is designed for use with water-based texture materials only. Prepare the material to be sprayed according to the guidelines given by the material manufacturer as a reference point.



Do not use solvent-based materials in the sprayer. Use of the wrong material can cause a fire and can seriously damage the sprayer.

The proper mixing of the spray material is very important. Use clean water only. Mix the material to a smooth consistency before pouring it into the hopper. The sprayer will not operate if the material is too thick.

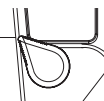
A flow funnel is supplied with the sprayer to help determine the proper thickness of the spray material. The material should be mixed to a smooth consistency that will flow evenly through the flow funnel.



NOTE: Check the consistency of the material often. After sitting in the hopper for awhile, the material may thicken and need to be thinned with additional water. Using the provided hopper cover will reduce material evaporation and help prevent change in material consistency.

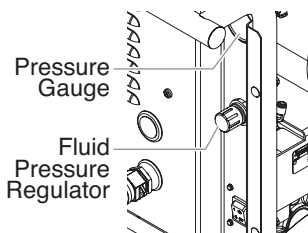
Spraying

1. Fill the hopper with the properly mixed spray material as determined by using the flow funnel.
2. Move the air adjustment valve on the spray gun to the half-open (45°) position.
3. For the PowrTex 600DD only, turn the fluid pressure regulator fully counterclockwise to its minimum pressure position.
4. Turn on the sprayer by moving the ON/OFF switch to the ON position.
5. For the PowrTex 600DD only, turn the fluid pressure regulator clockwise until the pressure gauge reads 30 PSI.
6. Trigger the spray gun into a waste container. Continue to trigger the spray gun into the waste container until any remaining water is flushed from the system and material begins flowing from the gun.
7. Trigger the spray gun into the hopper to circulate material through the system until a steady stream flows from the gun.
8. Move the air adjustment valve on the spray gun to the desired position.
9. For the PowrTex 600DD only, adjust the fluid pressure regulator until the material from the gun flows evenly with no pulsing. Try to keep the fluid pressure regulator at the lowest setting that maintains even, steady flow.



NOTE: For the PowrTex 600DD only, the recommended working pressure setting for the fluid pressure regulator is 40–50 PSI. It is recommended not to exceed 80 PSI.

PowrTex 600DD



10. Test the spray pattern on a piece of cardboard. Fine tune the spray pattern using the fluid adjustment knob and air adjustment valve on the spray gun. Refer to the "Spray Gun Operation" section for detailed information on gun adjustments.

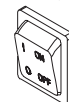
NOTE: When turning the unit on and off in rapid succession, trigger the gun slightly to relieve air pressure in the air hose for ease of restart. Failure to do so may cause the compressor to stall and trip the thermal protector switch.

Pressure Relief Procedure



Be sure to follow the Pressure Relief Procedure when shutting the unit down for any purpose, including servicing or adjusting any part of the spray system, changing or cleaning spray nozzles, or preparing for cleanup.

1. Turn off the sprayer by moving the ON/OFF switch to the OFF position.
2. For the PowrTex 600DD only, turn the fluid pressure regulator fully counterclockwise to its minimum pressure position.
3. Move the air adjustment valve on the spray gun to the open (vertical) position.
4. Trigger the gun into a waste container to remove any air and fluid pressure that may still be in the system.
5. Unplug the sprayer.

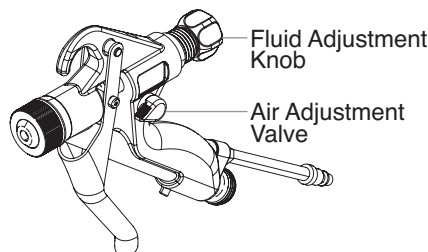


Spray Gun Operation

The following section describes how to use the spray gun to achieve professional results. Remember that practice and experimentation with the controls, nozzle size, and spraying technique is the best way to find the desired spray pattern.

Using the Spray Gun Controls

The controls on the spray gun provide the opportunity to adjust and fine tune the spray pattern for the different spray materials that can be used. Make adjustments on the gun and then test the spray pattern on a piece of cardboard or test surface.



Adjusting the Air Flow

Start spraying with the air adjustment valve turned fully clockwise (vertical) in the open position. If necessary, turn the air adjustment valve counterclockwise until a good spray pattern is achieved.

Turning the air adjustment valve counterclockwise will decrease air flow through the gun and increase material output.

Turning the air adjustment valve clockwise will increase air flow through the gun and decrease material output.

Adjusting the Fluid Volume

Start spraying with the fluid adjustment knob positioned to allow minimum trigger pull. This will create minimum fluid volume flowing to the texture nozzle when the trigger is pulled. If necessary, turn off the sprayer, relieve system pressure, release the lock nut, and turn the fluid adjustment knob counterclockwise to increase the fluid volume flowing to the texture nozzle.

Another way to adjust fluid volume on the gun is to change the size of the texture nozzle. A smaller nozzle will decrease the fluid volume. A larger nozzle will increase the fluid volume. Refer to the "Texture Nozzle Chart" in the Parts List section of this manual for information on nozzle sizes and uses.

NOTE: For the PowrTex 600DD only, fluid volume also can be adjusted using the fluid pressure regulator on the sprayer.

Please note that the double diaphragm pump operates using air from the air compressor. Any increase to the setting of the fluid pressure regulator to increase fluid volume to the spray gun will also decrease the air flow to the spray gun.

Spraying Technique

Hold the gun 18 to 30 inches from the surface. Squeeze the trigger slowly and move the gun in a circular pattern. Consistent, steady movement will prevent material buildup, runs, and sags.

NOTE: Pressure builds up in the system when the spray gun is not triggered. Aim the gun away from the spray surface when initially triggering the gun and work toward the spray surface. This will prevent material surge onto the spray surface. Keep the gun moving and avoid repeated triggering of the gun once spraying has begun.

Proper lapping (overlap of spray pattern) is essential to an even finish. Lap each stroke. If you are spraying horizontally, aim at the bottom edge of the preceding stroke, so as to lap the previous pattern.

Maintain uniform spray stroke action. Spray alternately from left to right and right to left. Begin movement of the gun before the trigger is pulled.

Holding the gun closer to the surface deposits more material on the surface and produces a narrower spray pattern. Holding the gun farther from the surface produces a thinner coat and wider spray pattern.

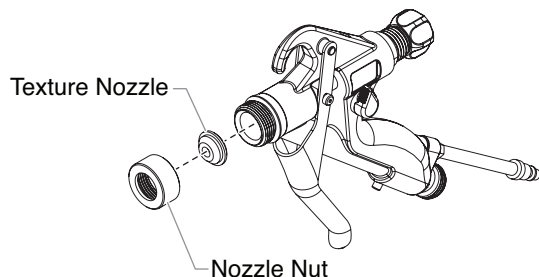
Installing a Texture Nozzle

Use the following procedure to install a different size texture nozzle onto the spray gun.

1. Perform the "Pressure Relief Procedure" outlined in the Operation section of this manual.
2. While triggering the gun, remove the nozzle nut from the front of the spray gun by turning it counterclockwise.

NOTE: Always pull the spray gun trigger when tightening the nozzle nut. Failure to pull the trigger can result in damage to the texture nozzle and texture shaft assembly.

3. Remove the existing texture nozzle from the inside of the nozzle nut.



4. Place the new texture nozzle inside the nozzle nut.
5. While triggering the gun, thread the nozzle nut onto the front of the spray gun by turning it clockwise. Tighten securely.

NOTE: For information on texture nozzle sizes and their recommended uses, refer to the "Texture Nozzle Chart" in the Parts List section of this manual.

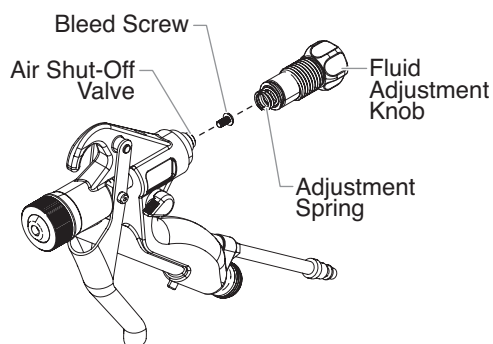
Converting the Spray Gun from Non-Bleeder to Bleeder

If preferred, the spray gun can be converted from a non-bleeder to a bleeder setup. Non-bleeder setup means that when the trigger is released, the air flow from the air nozzle stops. Bleeder setup means that air flow is continuous from the air nozzle whether the trigger is pulled or released.

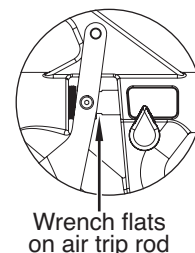
NOTE: In bleeder setup, the removal of the bleed screw from the air valve seal causes the air supply to be on at all times when the air hose is attached to the gun.

To convert a spray gun to bleeder setup:

1. Perform the "Pressure Relief Procedure" outlined in the Operation section of this manual.
2. Remove the fluid hose and air hose from the spray gun.
3. Turn the fluid adjustment knob counterclockwise until it threads off of the gun body. The adjustment spring inside the fluid adjustment knob will release once the knob is off of the threads.



4. Using a pliers, hold the air trip rod firmly at the wrench flats between the back of the trigger and the gun body. This will prevent the air trip rod from turning during the removal of the bleed screw.
5. Using a Phillips screwdriver, remove the bleed screw from the back of the air shut-off valve inside the gun body. Store the screw in a safe place.
6. Make sure the adjustment spring is in position inside the fluid adjustment knob.
7. Pushing firmly, thread the fluid adjustment knob clockwise onto the gun body.
8. To position the fluid adjustment knob:
 - a. Trigger the gun while turning the fluid adjustment knob.
 - b. When the trigger pull starts to shorten, back off the fluid adjustment just until full trigger pull is allowed.



Cleanup

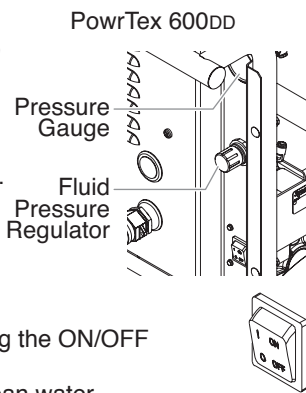
Proper cleaning of the sprayer and spray gun after each use is the most important step toward maintaining the performance of the spray system.

IMPORTANT: The sprayer, fluid hose, and gun should be cleaned thoroughly after daily use. Failure to do so permits material to build up, seriously affecting the performance of the sprayer.

Do not allow material to dry inside the hopper, pump, hoses, or spray gun.

NOTE: Leave the spray gun attached to the air hose and the compressor running at all times during spray system cleanup. This will prevent material backup into the air nozzle and texture shaft assembly.

1. Move the air adjustment valve on the spray gun to the half-open (45°) position.
2. For the PowrTex 600DD only, turn the fluid pressure regulator fully counterclockwise to its minimum pressure position.
3. Turn on the sprayer by moving the ON/OFF switch to the ON position.
4. For the PowrTex 600DD only, turn the fluid pressure regulator clockwise until the pressure gauge reads 30 PSI.
5. Trigger the spray gun into a waste container until all remaining material is flushed from the hopper and fluid hose.
6. Turn off the sprayer by moving the ON/OFF switch to the OFF position.
7. Fill the hopper 1/2 full with clean water.
8. Clean the inside of hopper using a brush and rags.
9. Turn on the sprayer.
10. Trigger the spray gun into a waste container. Continue holding the trigger open until the water has emptied from the hopper.
11. Turn off the sprayer.
12. Fill the hopper full with clean water.
13. Turn on the sprayer.
14. Trigger the spray gun into a waste container until half the water in the hopper is gone.
15. Turn off the sprayer.
16. While triggering the gun, remove the nozzle nut and texture nozzle from the spray gun and place in a bucket of clean water.
17. Turn on the sprayer.
18. Trigger the spray gun into the hopper to circulate the water through the system for a few minutes.
19. Trigger the spray gun into a waste container until the water has emptied from the hopper and fluid hose.
20. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.
21. Disconnect the fluid hose and air hose from the spray gun. Perform the "Cleaning the Spray Gun" procedure in this section of this manual.
22. Perform the "Cleaning the Fluid Hose" procedure in this section of this manual.
23. Disconnect the fluid hose and air hose from the sprayer. Coil up the hoses and store in a dry area.
24. Lift the hopper off of the fluid inlet assembly and the cart. Use the cart handles as guides while lifting the hopper.
25. Clean out the one-way valve assembly at the bottom of the hopper thoroughly.



26. Replace the hopper onto the cart and fluid inlet assembly. Use the cart handles as guides to position the hopper down onto the fluid inlet assembly.
27. Pour approximately 12 ounces of water into the hopper to keep the sprayer wet when not in use.

NOTE: For long-term or cold weather storage, pour straight Liquid Shield Plus into the hopper to prevent freezing (see the Accessories section of this manual for part number).

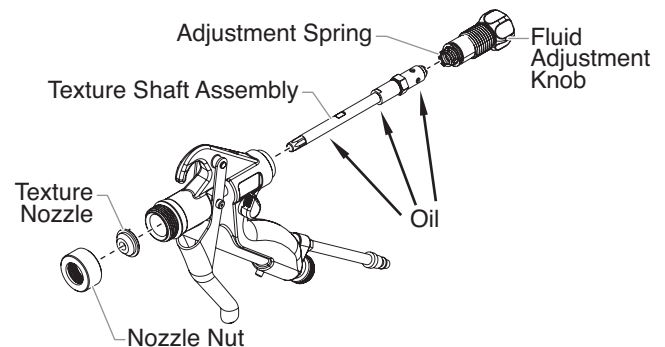
IMPORTANT: Water or material remaining in unit when temperatures are below freezing can damage motor and/or delay pump startup. Do not allow unit to freeze.

28. Store the sprayer indoors in a clean, dry area.

Cleaning / Lubricating the Spray Gun

Use the following procedure to clean the spray gun once it has been removed from the fluid hose and air hose.

1. If not already removed from the spray gun, remove the nozzle nut and texture nozzle from the front of the gun body.
2. Turn the fluid adjustment knob counterclockwise until it threads off of the gun body. The adjustment spring inside the fluid adjustment knob will release once the knob is off of the threads.



3. Remove the texture shaft assembly from the gun body. To remove the texture shaft assembly:
 - a. From the front of the gun, push on the air nozzle at the front of the texture shaft assembly until the back of the texture shaft assembly is accessible at the rear of gun.
 - b. Pull the texture shaft assembly out of the rear of the gun body.
4. Clean all components of the the spray gun completely using water, a soft brush, and a rag.
 - a. Clean the nozzle nut and texture nozzle.
 - b. Clean the fluid adjustment knob and adjustment spring.
 - c. Clean the texture shaft assembly.
 - d. Clean out the fluid and air passageways inside the gun. The fluid and air passageways may be rinsed clean by spraying with a garden hose.
5. Oil the texture shaft assembly using Titan Piston Lube (refer to the Accessories section for P/N). Apply several drops of Piston Lube in each location shown in the above illustration.

NOTE: Failure to lubricate the indicated areas on the texture shaft assembly could cause the air valve to become clogged. A clogged air valve will cause a bad spray pattern.

6. Reassemble the spray gun.

Cleaning the Fluid Hose

Use the following procedure to clean the fluid hose once the spray gun has been removed pressure has been relieved as described in the Cleanup procedure.

1. Remove the fluid hose from the fluid outlet fitting on the front panel of the sprayer.
2. Insert the cleaning cylinder into the fluid outlet fitting. Refer to the Accessories section of this manual for ordering information on the cleaning cylinder.
3. Reattach the fluid hose to the fluid outlet fitting.
4. Fill the hopper 1/4 full with clean water.
5. For the PowrTex 600DD only, turn the fluid pressure regulator fully counterclockwise to its minimum pressure position.
6. Plug in the sprayer.
7. Hold the open end of the fluid hose over a waste container.
8. Turn on the sprayer
9. For the PowrTex 600DD only, turn the fluid pressure regulator clockwise until the pressure gauge reads 30 PSI.
10. Allow the pump to push the cleaning cylinder through the fluid hose and out into the waste container. Retrieve the cleaning cylinder from the waste container for future use.
11. Continue to run the pump until the remaining water has emptied from the hopper and fluid hose.
12. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.

Cleaning the Fluid Inlet Assembly

The fluid inlet assembly between the hopper and the double diaphragm pump may need to be cleaned out periodically.

1. Perform the "Pressure Relief Procedure" outlined in the Operation section of this manual.
2. Lift the hopper off of the fluid inlet assembly and the cart. Use the cart handles as guides while lifting the hopper.

NOTE: The hopper does not need to be empty before removing it from the cart. The one-way valve assembly inside the hopper prevents spray material from leaking when the hopper is removed.

3. Remove any sediment from inside the fluid inlet assembly.
4. Using a garden hose, flush the fluid inlet assembly with water.
5. Replace the hopper onto the cart and fluid inlet assembly. Use the cart handles as guides to position the hopper down onto the fluid inlet assembly.

Maintenance



Before proceeding, follow the Pressure Relief Procedure outlined previously in this manual. Additionally, follow all other warnings to reduce the risk of an injection injury, injury from moving parts or electric shock. Always unplug the sprayer before servicing!

General Repair and Service Notes

The following tools are needed when repairing this sprayer:

Phillips Screwdriver	Adjustable Wrenches
Needle-nosed pliers	Channel Lock
7/16 Hex Wrench	

1. Before repairing any part of the sprayer, read the instructions carefully, including all warnings.



Never pull on a wire to disconnect it. Pulling on a wire could loosen the connector from the wire and can cause an electric shock.

2. Test your repair before regular operation of the sprayer to be sure that the problem is corrected. If the sprayer does not operate properly, review the repair procedure to determine if everything was done correctly. Refer to the Troubleshooting Charts to help identify other possible problems.

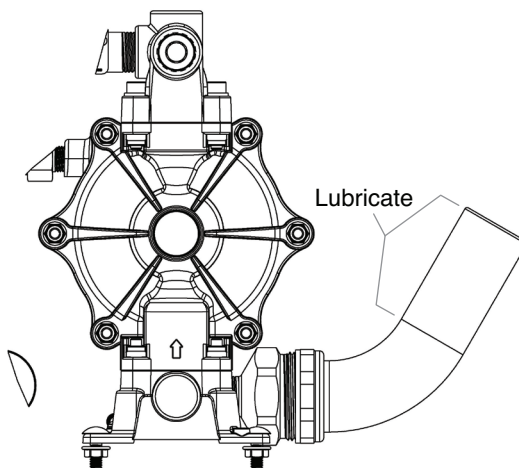
3. If you have any further questions concerning your TITAN Airless Sprayer, call TITAN:

Customer Service (U.S.)	1-800-526-5362
Fax	1-800-528-4826
Customer Service (Canada)	1-800-565-8665
Fax	1-905-856-8496

Daily Maintenance

Perform the following maintenance procedures daily too keep the sprayer operating in good condition.

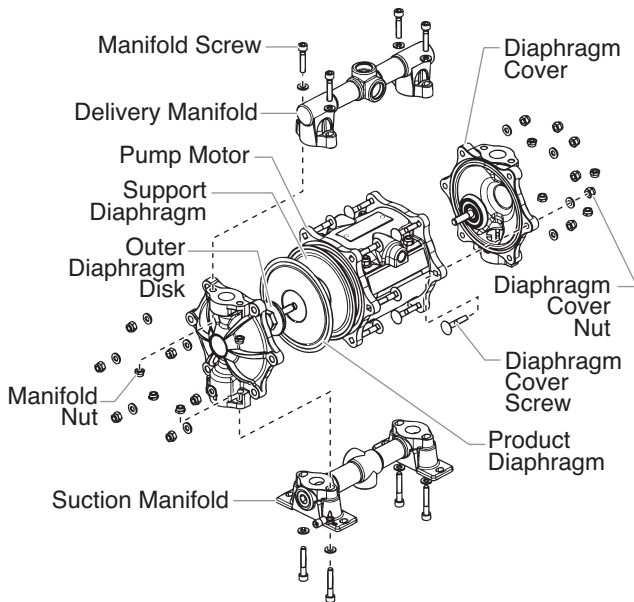
1. Check hoses for damage.
2. Check all fittings to make sure they are tight.
3. Clean the air filter on the compressor.
4. Apply a light film of multi-purpose grease to the outer diameter of the pump inlet tube (see below).



Replacing the Diaphragms — PowrTex 300DD

Use the following procedure to replace the product diaphragms and support diaphragms in the double diaphragm pump of the PowrTex 300DD.

1. Perform the Cleanup procedure outlined in this manual. Do not add water to the hopper for storage purposes as described at the end of the procedure.
2. Lift the hopper off of the fluid inlet assembly and the cart. Use the cart handles as guides while lifting the hopper.
3. Remove the air line from the fitting at the top of the pump.
4. Remove the four lock nuts and carriage screws that secure the pump to the cart.
5. Remove the double diaphragm pump from the cart by sliding it straight toward the back of the sprayer until the fluid pipe is free of the front panel.
6. Place the pump upside down on a waste container to allow any remaining fluid to drain.
7. Once the pump is empty, place it on a flat surface.



8. Remove the four manifold nuts, screws, and washers that secure the delivery manifold to the top of the pump. Remove the delivery manifold.
9. Remove the four manifold nuts, screws, and washers that secure the suction manifold to the bottom of the pump. Remove the suction manifold.
10. Remove the six diaphragm cover nuts, screws, and washers that secure each of the two diaphragm covers to the pump motor. Remove the diaphragm covers from each side of the pump motor.
11. Using two wrenches, hold the nut on one of the outer diaphragm disks while using the other wrench to loosen and remove the opposite outer diaphragm disk.
12. Remove the product diaphragm and support diaphragm that were released by the removal of the first outer diaphragm disk.
13. Pull the opposite side diaphragm assembly that is still assembled to the shaft out of the pump motor.
14. Place the shaft into a vice. Use caution when securing the shaft in the vice so that the shaft is not damaged.
15. Using a wrench, loosen and remove the remaining outer diaphragm disk.
16. Remove the remaining product diaphragm and support diaphragm from the shaft.
17. Place one of the new support diaphragms followed by a new product diaphragm onto the shaft. Thread the corresponding outer diaphragm disk into the shaft and tighten securely.
18. Remove the shaft with the assembled diaphragm assembly from the vise.
19. Lubricate the shaft with grease and slide it through the pump motor.
20. Place the remaining new support diaphragm followed by the remaining new product diaphragm onto the shaft. Thread the corresponding outer diaphragm disk into the shaft.
21. Using two wrenches, hold the nut on the opposite outer diaphragm disk while using the other wrench to tighten the remaining outer diaphragm disk securely.
22. Using the six diaphragm cover nuts, screws, and washers on each, reassemble the two diaphragm covers to each side of the pump motor. Tighten the nuts securely.
23. Using the four manifold nuts, screws, and washers, reassemble the suction manifold to the bottom of the pump. Make sure the manifold is positioned in the same orientation as it was before it was removed.
24. Using the four manifold nuts, screws, and washers, reassemble the delivery manifold to the top of the

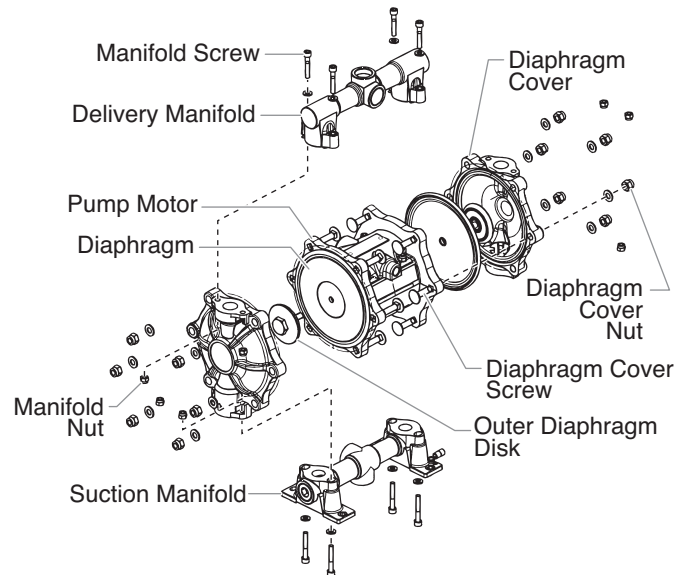
pump. Make sure the manifold is positioned in the same orientation as it was before it was removed.

25. Carefully slide the pump back into position on the cart. Make sure to align the fluid pipe with the appropriate hole on the front plate before positioning the pump.
26. Using the four lock nuts and carriage screws, secure the pump to the cart.
27. Reattach the air line from the radiator manifold to the fitting on the pump.
28. Replace the hopper onto the cart and fluid inlet assembly. Use the cart handles as guides to position the hopper down onto the fluid inlet assembly.

Replacing the Diaphragms — PowrTex 600DD

Use the following procedure to replace the diaphragms in the double diaphragm pump of the PowrTex 600DD.

1. Perform the Cleanup procedure outlined in this manual. Do not add water to the hopper for storage purposes as described at the end of the procedure.
2. Lift the hopper off of the fluid inlet assembly and the cart. Use the cart handles as guides while lifting the hopper.
3. Remove the air line from the elbow at the top of the pump.
4. Remove the fluid outlet fitting from the front panel. This will allow the fluid pipe to slide out of the front panel during removal of the pump.
5. Remove the four lock nuts and carriage screws that secure the pump to the cart.
6. Remove the double diaphragm pump from the cart by sliding it straight toward the back of the sprayer until the fluid pipe is free of the front panel.
7. Place the pump upside down on a waste container to allow any remaining fluid to drain.
8. Once the pump is empty, place it on a flat surface.



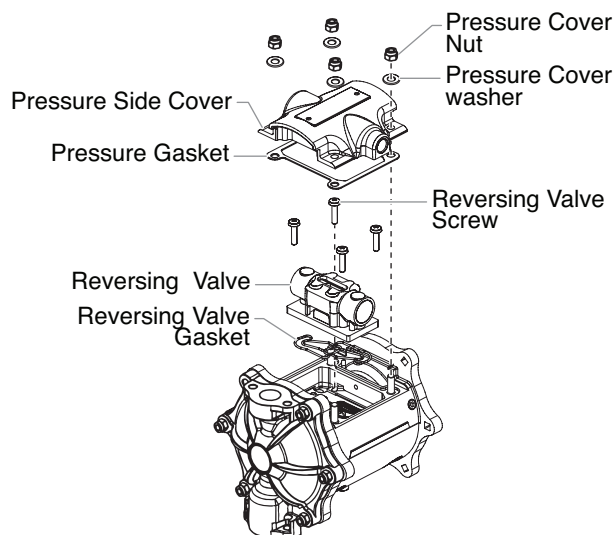
9. Remove the four manifold nuts, screws, and washers that secure the delivery manifold to the top of the pump. Remove the delivery manifold.
10. Remove the four manifold nuts, screws, and washers that secure the suction manifold to the bottom of the pump. Remove the suction manifold.
11. Remove the six diaphragm cover nuts, screws, and washers that secure each of the two diaphragm covers to the pump motor. Remove the diaphragm covers from each side of the pump motor.

12. Using two wrenches, hold the nut on one of the outer diaphragm disks while using the other wrench to loosen and remove the opposite outer diaphragm disk.
13. Remove the diaphragm that was released by the removal of the first outer diaphragm disk.
14. Pull the opposite side diaphragm that is still assembled to the shaft out of the pump motor.
15. Place the shaft into a vice. Use caution when securing the shaft in the vice so that the shaft is not damaged.
16. Using a wrench, loosen and remove the remaining outer diaphragm disk.
17. Remove the remaining diaphragm from the shaft.
18. Place one of the new diaphragms onto the shaft. Thread the corresponding outer diaphragm disk into the shaft and tighten securely.
19. Remove the shaft with the assembled diaphragm from the vise.
20. Lubricate the shaft with grease and slide it through the pump motor.
21. Place the remaining new diaphragm onto the shaft. Thread the corresponding outer diaphragm disk into the shaft.
22. Using two wrenches, hold the nut on the opposite outer diaphragm disk while using the other wrench to tighten the remaining outer diaphragm disk securely.
23. Using the six diaphragm cover nuts, screws, and washers on each, reassemble the two diaphragm covers to each side of the pump motor. Tighten the nuts securely.
24. Using the four manifold nuts, screws, and washers, reassemble the suction manifold to the bottom of the pump. Make sure the manifold is positioned in the same orientation as it was before it was removed.
25. Using the four manifold nuts, screws, and washers, reassemble the delivery manifold to the top of the pump. Make sure the manifold is positioned in the same orientation as it was before it was removed.
26. Carefully slide the pump back into position on the cart. Make sure to align the fluid pipe with the appropriate hole on the front plate before positioning the pump.
27. Using the four lock nuts and carriage screws, secure the pump to the cart.
28. Replace the fluid outlet fitting onto the front panel.
29. Reattach the air line from the radiator manifold to the fitting on the pump.
30. Replace the hopper onto the cart and fluid inlet assembly. Use the cart handles as guides to position the hopper down onto the fluid inlet assembly.

Replacing the Reversing Valve

Use the following procedure to replace the reversing valve in the double diaphragm pump.

1. Remove the pump from the sprayer as described in the corresponding "Replacing the Diaphragms" procedure in this section.
2. Remove the four manifold nuts, screws, and washers that secure the delivery manifold to the top of the pump. Remove the delivery manifold.
3. Remove the four nuts and washers from the screws that secure the pressure side cover to the motor. Pull the pressure side cover off of the screws.
4. Remove the four valve screws that secure the reversing valve to the motor. Remove the reversing valve.



5. Using a jet of compressed air, blow out the inside of the motor.
6. Making sure the reversing valve gasket is positioned properly, position the new reversing valve inside the motor. Make sure that the shoe is in the "end of stroke" position (both vertically and horizontally) before assembling the valve.
7. Using the four valve screws, secure the reversing valve to the motor.
8. Place the pressure side cover onto the four screws that secure it to the motor. Secure the pressure side cover using the four washers and nuts. Tighten securely.
9. Using the four manifold nuts, screws, and washers, reassemble the delivery manifold to the top of the pump. Make sure the manifold is positioned in the same orientation as it was before it was removed.
10. Replace the pump onto the sprayer as described in the corresponding "Replacing the Diaphragms" procedure in this section.

Troubleshooting

General

Problem

Spray too coarse

Cause

1. Improperly mixed material
2. Fluid pressure too high (600DD only)
3. Not enough air
4. Texture nozzle too large
5. Fluid volume set too high on gun

Solution

1. Thin the material and mix well.
2. Turn the fluid pressure regulator counterclockwise to decrease fluid pressure (600DD only).
3. Turn the gun air adjustment valve clockwise to increase air flow.
4. Change to a smaller nozzle.
5. Turn the fluid adjustment knob clockwise to decrease fluid volume.

Spray too fine

1. Improperly mixed material
2. Too much air
3. Fluid volume set too low on gun
4. Fluid pressure too low (600DD only)

1. Thicken the material and mix well.
2. Turn the gun air adjustment valve counterclockwise to decrease air flow.
3. Turn the fluid adjustment knob counterclockwise to increase fluid volume.
4. Turn the fluid pressure regulator clockwise to increase fluid pressure (600DD only).

Material volume too low

1. Texture nozzle too small
2. Fluid pressure too low (600DD only)
3. Material too thick

1. Change to larger nozzle.
2. Turn the fluid pressure regulator clockwise to increase fluid pressure (600DD only).
3. Thin the material and mix well.

Too much material at start of stroke

1. Trigger pull too fast

1. Refer to the "Spray Gun Operation" section in this manual.

Double diaphragm pump is working, but no material is flowing

1. Hopper is empty
2. Fluid inlet assembly is clogged

1. Fill the hopper with properly mixed material.
2. Remove hopper and clean fluid inlet assembly.

Material output decreases during operation

1. Partial obstruction in fluid inlet assembly
2. Slight variation in material consistency (viscosity)

1. Remove hopper and clean fluid inlet assembly.
2. Re-mix material to a smooth, even consistency.

Material output decreases during operation and completely stops

1. Complete obstruction in fluid inlet assembly
2. Strong variation in material consistency (viscosity)

1. Remove hopper and clean fluid inlet assembly.
2. Re-mix material to a smooth, even consistency.

Material is surging at the gun

1. Material too thick.

1. Thin the material and mix well.

Spray Gun

Problem

Material will not flow from gun

Cause

1. Material too thick
2. Not enough air
3. Fluid volume set too low
4. Texture nozzle too small
5. Gun is plugged

Solution

1. Thin the material and mix well.
2. Turn the gun air adjustment valve clockwise to increase air flow.
3. Turn the fluid adjustment knob counterclockwise to increase fluid volume.
4. Change to larger nozzle.
5. Remove texture nozzle and clean gun

Gun will not shut off

1. Worn texture nozzle or air nozzle
2. Texture nozzle retaining nut not tightened securely
3. Debris in the gun passages

1. Perform the "Pressure Relief Procedure" and replace the worn parts.
2. Tighten the nozzle nut securely.
3. Perform the "Pressure Relief Procedure", remove texture nozzle and clean gun.

Fluid adjustment knob won't move

1. Material dried in threads

1. Soak and clean well.

No air through gun when pulling trigger

1. Air nozzle passage packed with material
2. Two-stage texture shaft assembly not functioning properly

1. Clean the texture shaft passage.
2. Clean the texture shaft assembly.

Troubleshooting

Air Compressor

Problem

Compressor does not start

Cause

1. Loose wiring
2. Motor shut off due to thermal overload

Solution

1. Check the wiring connections
2. Wait 10—15 minutes, then press the reset switch on the motor housing

Low air pressure

1. Loose fittings.
2. Air filter is clogged

1. Check all fittings along the air flow line. Tighten if necessary.
2. Clean or replace the air filter.

Relief valve is releasing prematurely

1. Defective relief valve

1. Replace relief valve.

Excessive dust formation

1. Air filter is clogged

1. Clean or replace the air filter.

Air leaks at fittings

1. Fittings are not tight enough

1. Tighten the fittings where air can be heard escaping. Check the fittings with a soapy water solution, if necessary.

Excessive noise

1. Loose valve
2. Piping is loose
3. Carbon or foreign materials on piston
4. Worn bearings

1. Inspect valve for damage and replace if necessary.
2. Check connections and tighten as necessary
3. Contact an authorized Titan service center.
4. Contact an authorized Titan service center.

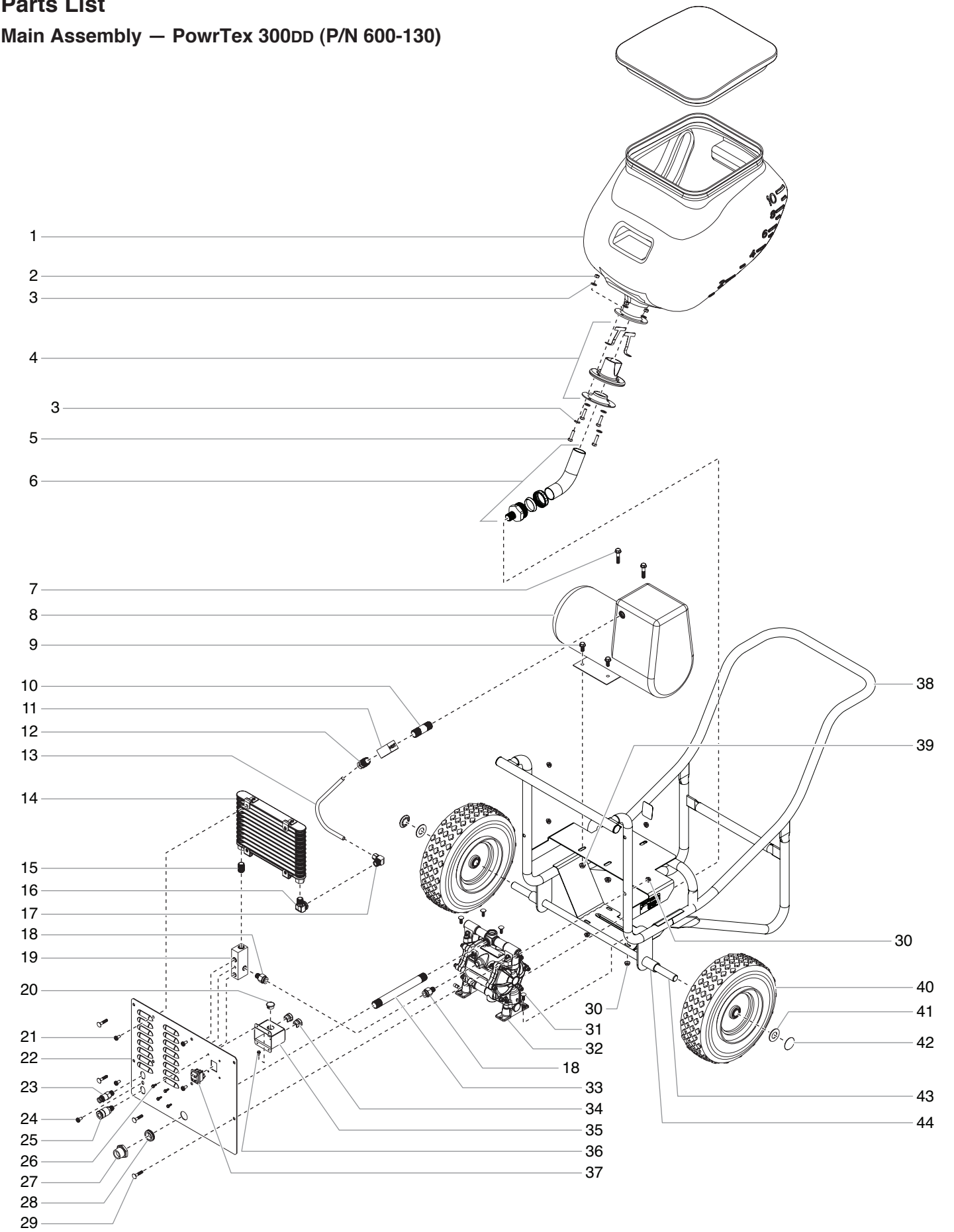
Compressor is over-heating

1. Air leaks in the system
2. Valve has carbon buildup, is worn, or damaged

1. Locate and tighten the fittings where air can be heard escaping. Check the fittings with a soapy water solution, if necessary.
2. Inspect valve and clean, repair, or replace, if necessary.

Parts List

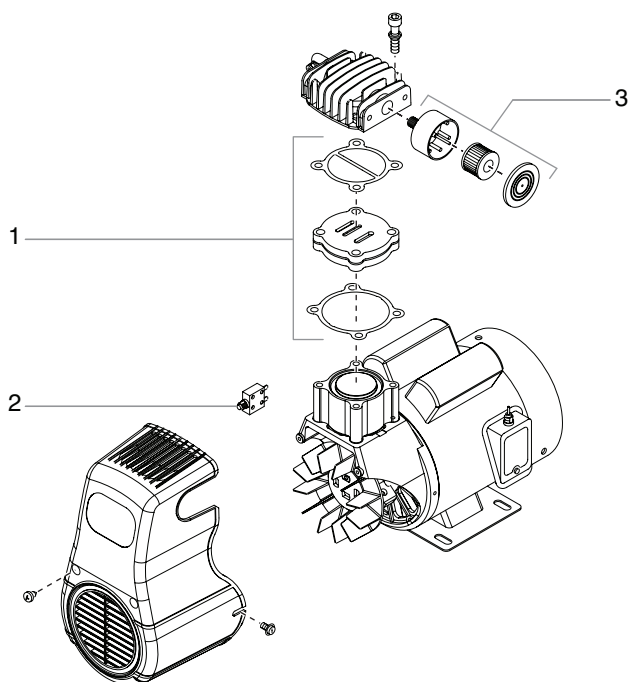
Main Assembly — PowrTex 300DD (P/N 600-130)



Item	Part #	Description	Quantity
1	600-477	Tank and cover.....	1
2	858-601	Nut.....	4
3	770-601	Flat washer.....	8
4	600-463	One-way assembly (includes items 2, 3, and 5.....)	1
5	858-636	Screw.....	4
6	600-464	Fluid inlet assembly, PowrTex 300DD.....	1
7	600-376	Compressor screw, long.....	2
8	600-478	Air compressor.....	1
9	600-375	Compressor screw, short.....	2
10	600-421	Nipple.....	1
11	600-372	Elbow.....	1
12	600-373	Compression connector.....	1
13	600-379	Copper tubing.....	1
14	600-479	Radiator (includes item 21).....	1
15	600-371	Nipple.....	1
16	600-358	Street elbow.....	1
17	600-359	Elbow.....	1
18	600-246	Fitting.....	2
19	600-370	Manifold.....	1
20	600-245	Plug.....	1
21	-----	Screw.....	4
22	600-009	Front panel.....	1
23	600-178	Relief valve.....	1
24	600-385	Screw.....	1

Item	Part #	Description	Quantity
25	600-252	Air outlet coupling.....	1
26	600-354	Screw.....	4
27	600-142	Fluid outlet fitting.....	1
28	600-215	Grommet.....	1
29	600-217	Carriage bolt.....	4
30	600-216	Lock nut.....	8
31	770-712	Carriage bolt.....	4
32	600-480	Pump, Zip 52.....	1
33	600-094	Fluid pipe.....	1
34	600-231	Strain relief.....	2
35	600-109	Switch box.....	1
36	704-229	Ground screw.....	1
37	704-380	ON/OFF Switch.....	1
38	600-481	Cart frame.....	1
39	600-177	Lock nut.....	4
40	600-185	Wheel.....	2
41	870-004	Washer.....	2
42	800-019	Cap.....	2
43	800-007	Axle.....	1
44	800-011	Spacer.....	1
45	600-257	Power cord (not shown).....	1
46	600-345	Air tubing (not shown, refer to Air Flow Schematic — PowrTex 300DD)...	1
	600-482	Cart assembly complete (includes items 38, and 40–44)	

Air Compressor (P/N 600-478, PowrTex 300DD • P/N 600-484, PowrTex 600DD)

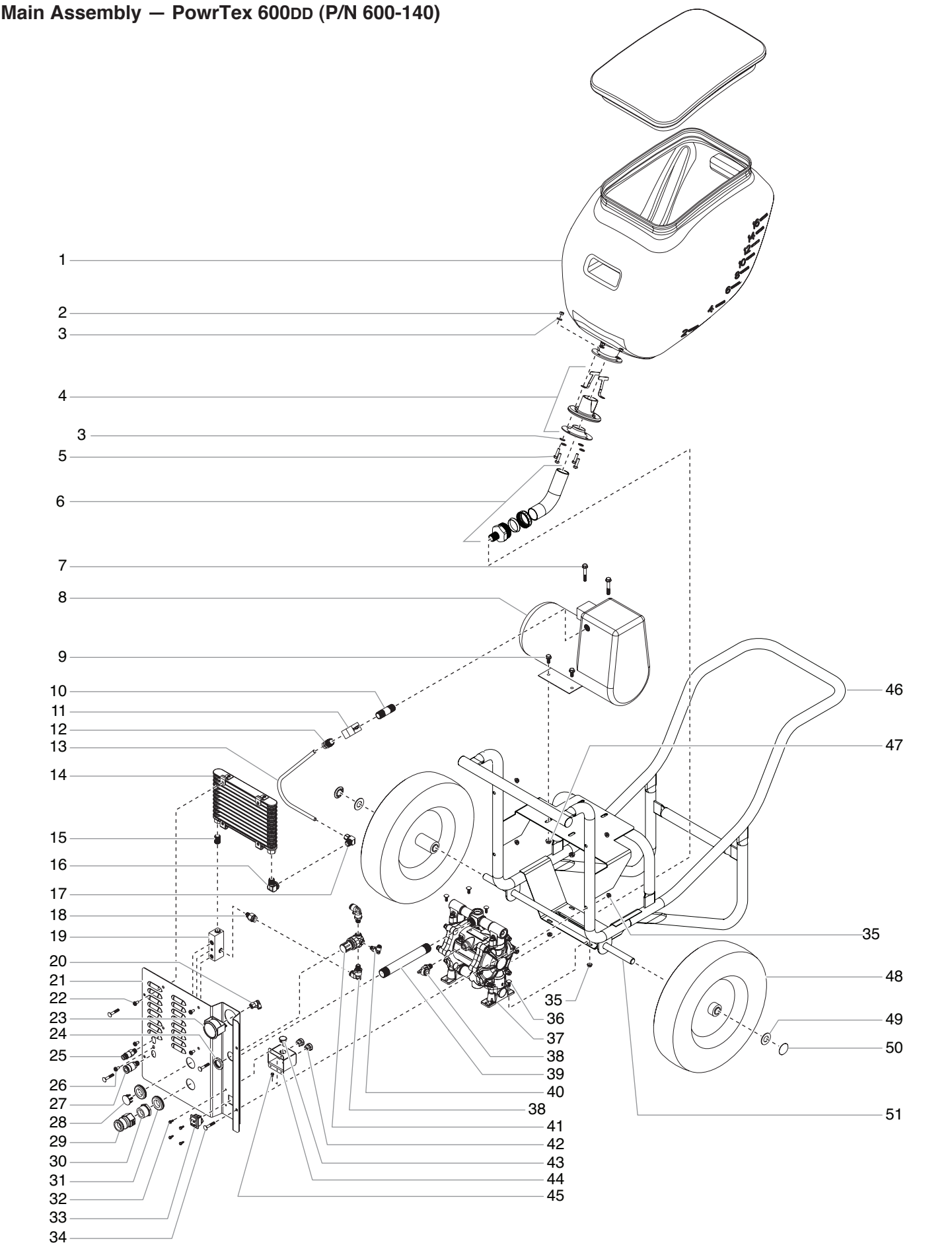


Item	Part #	Description	Quantity
1	600-466	Valve kit.....	1
2	600-468	Thermal protector, 15 A, PowrTex 300DD ...	1
	600-469	Thermal protector, 18 A, PowrTex 600DD ...	1
3	600-467	Air filter kit.....	1

Labels

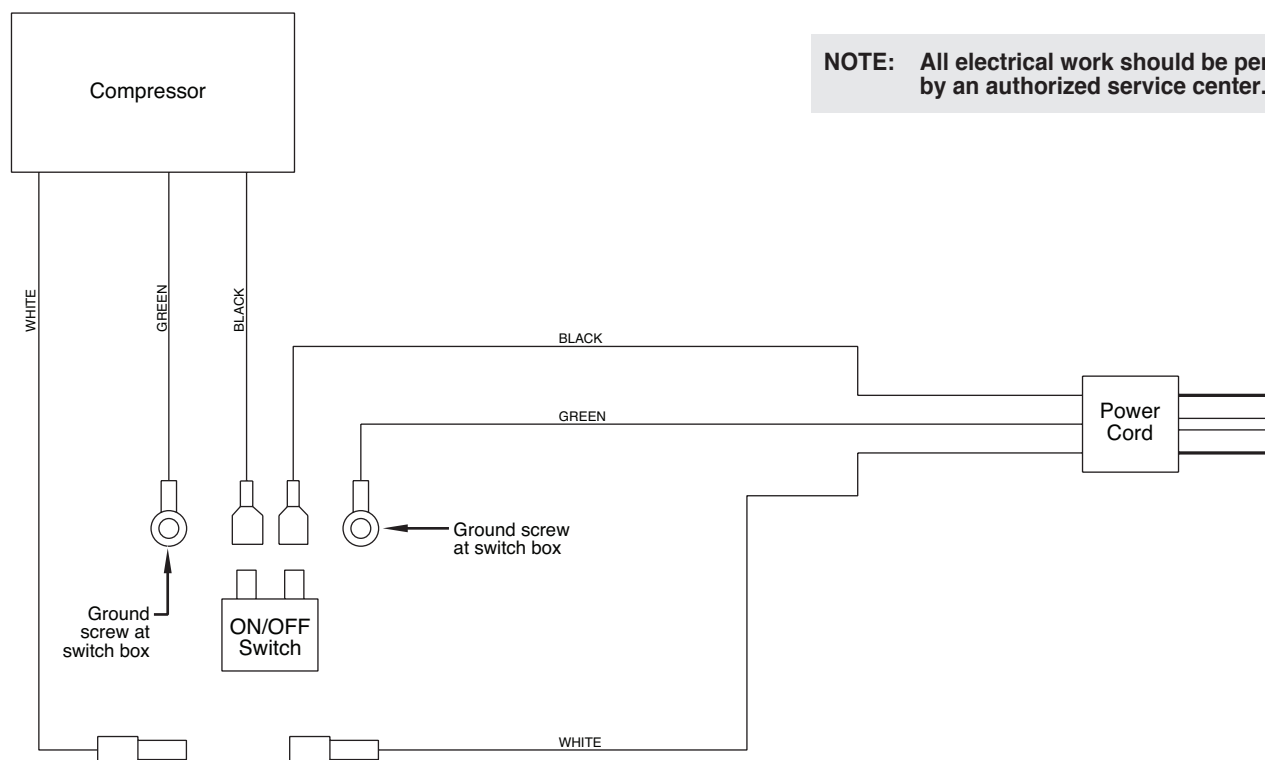
Part #	Description
0524934	Hopper cover label — PowrTex 300DD
0524935	Hopper cover label — PowrTex 600DD
0524936	Gun label, right side
0524937	Gun label, left side
313-2717	Fluid label
313-2723	Material flow adjustment label — PowrTex 600DD only
313-2776	Warning label
0276808	Warning label — Burn Hazard

Main Assembly — PowrTex 600DD (P/N 600-140)



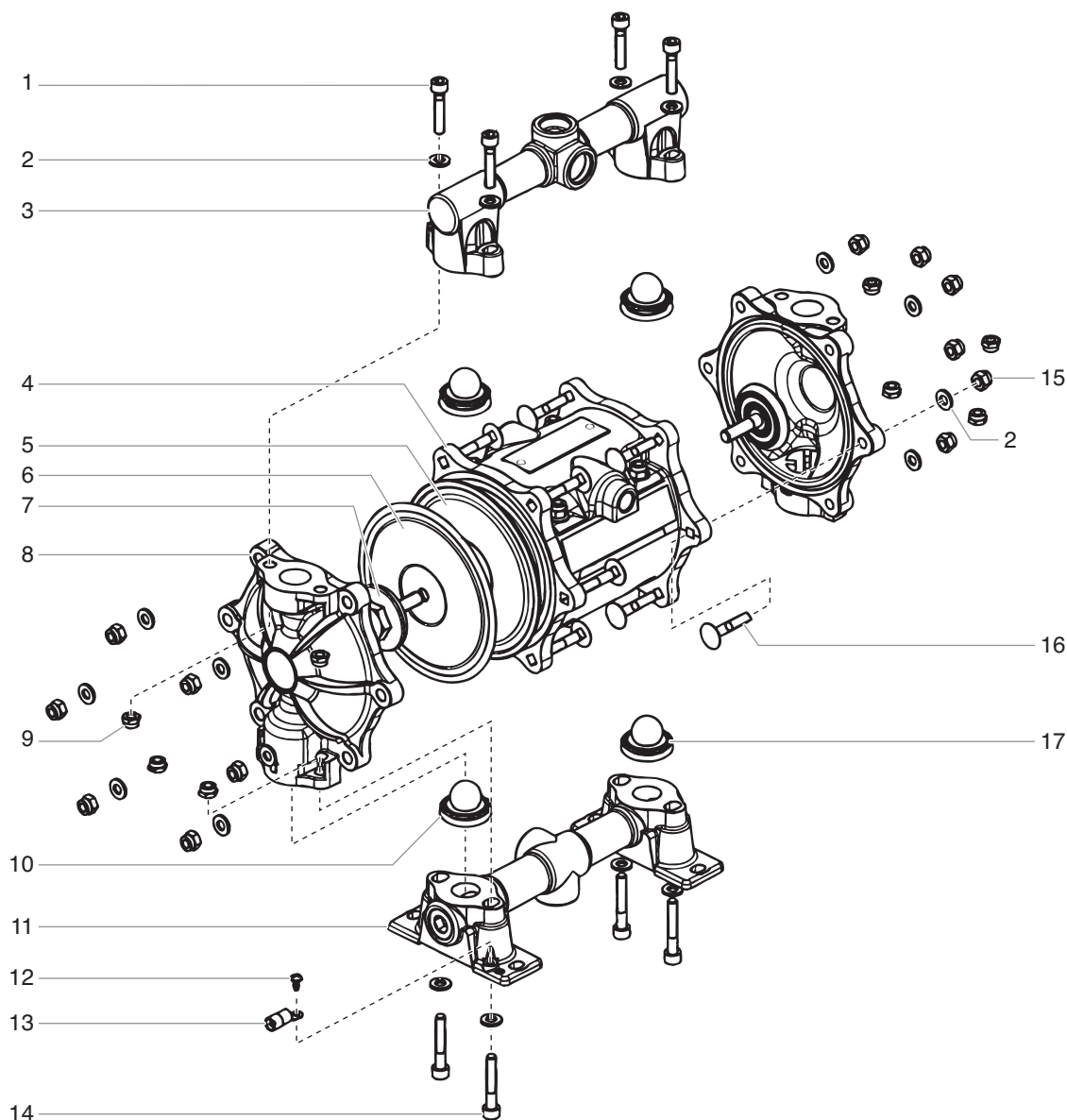
Item	Part #	Description	Quantity	Item	Part #	Description	Quantity
1	600-483	Tank and cover.....	1	30	600-138	Bushing.....	1
2	858-601	Nut.....	4	31	600-214	Grommet.....	2
3	770-601	Flat washer.....	8	32	600-354	Screw.....	4
4	600-463	One-way assembly (includes items 2, 3, and 5.....)	1	33	704-380	ON/OFF Switch.....	1
5	858-636	Screw.....	4	34	600-218	Carriage bolt.....	4
6	600-465	Fluid inlet assembly, PowrTex 600DD.....	1	35	600-216	Lock nut.....	8
7	600-377	Compressor screw, long.....	2	36	770-712	Carriage bolt.....	4
8	600-484	Air compressor.....	1	37	600-485	Pump, Zip 80.....	1
9	600-375	Compressor screw, short.....	2	38	600-250	Elbow.....	3
10	600-421	Nipple.....	1	39	600-025	Fluid pipe.....	1
11	600-372	Elbow.....	1	40	600-249	Elbow.....	1
12	600-373	Compression connector.....	1	41	600-095	Pressure regulator.....	1
13	600-374	Copper tubing.....	1	42	600-231	Strain relief.....	2
14	600-479	Radiator(includes item 22).....	1	43	600-245	Plug.....	1
15	600-371	Nipple.....	1	44	600-109	Switch box.....	1
16	600-358	Street elbow.....	1	45	704-229	Ground screw.....	1
17	600-359	Elbow.....	1	46	600-486	Cart frame.....	1
18	600-246	Fitting.....	1	47	600-177	Lock nut.....	4
19	600-370	Manifold.....	1	48	600-184	Wheel.....	2
20	600-248	Elbow.....	1	49	870-004	Washer.....	2
21	600-146	Front panel.....	1	50	800-019	Cap.....	2
22	-----	Screw.....	4	51	800-007	Axle.....	1
23	600-168	Pressure gauge.....	1	51	600-257	Power cord (not shown).....	1
24	600-353	Mounting nut.....	1	52	600-351	Air tubing, 1/4" O.D. (not shown, refer to Air Flow Schematic — PowrTex 600DD)...1	
25	600-178	Relief valve.....	1	53	600-346	Air tubing, 3/8" O.D. (not shown, refer to Air Flow Schematic — PowrTex 600DD)...2	
26	600-385	Screw.....	1				
27	600-252	Quick disconnect coupling.....	1				
28	600-355	Plug.....	1				
29	600-136	Fluid outlet fitting.....	1				
					600-487	Cart assembly complete (includes items 46 and 48–51))	

Electrical Schematic



NOTE: All electrical work should be performed by an authorized service center.

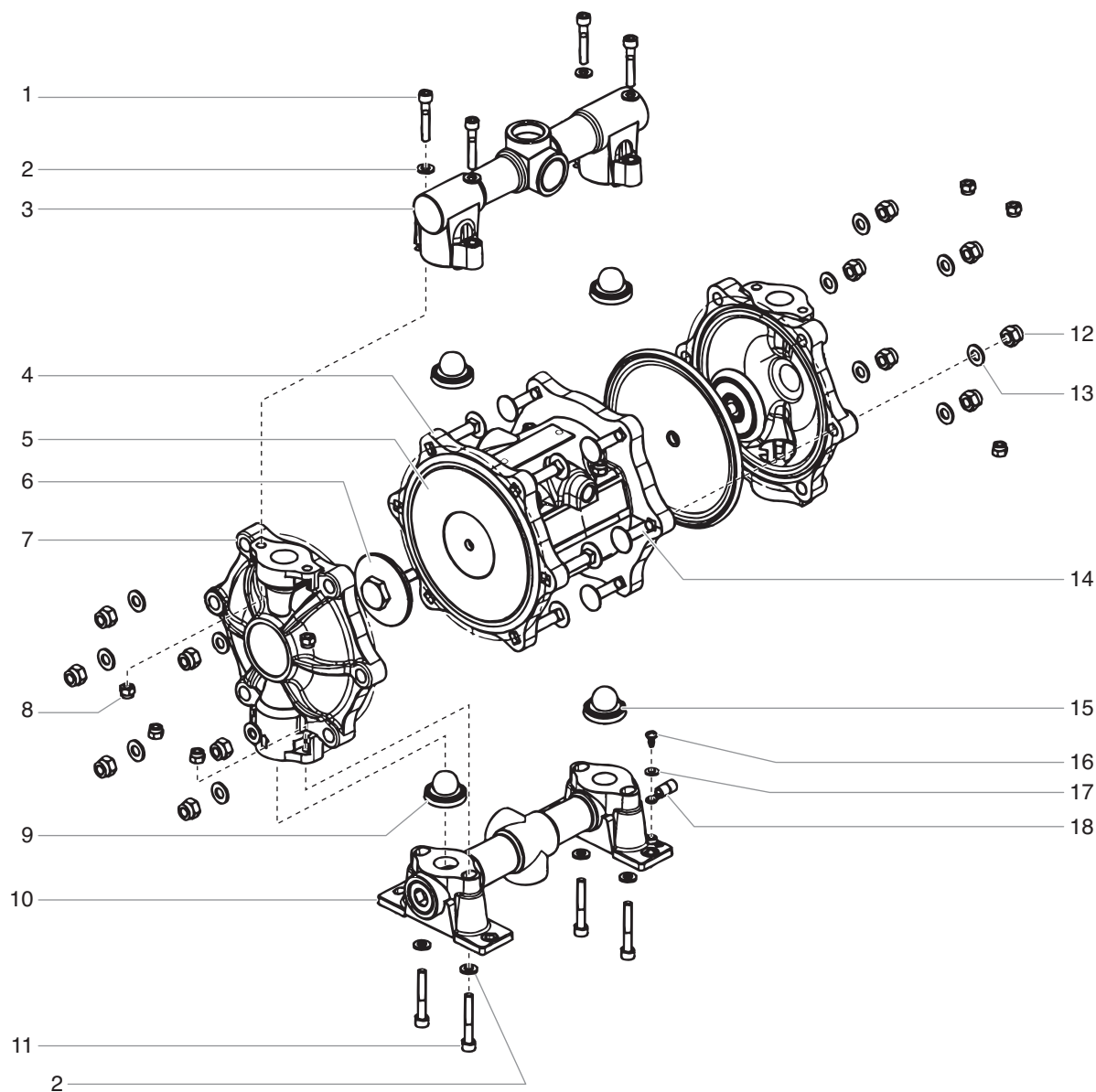
Fluid Pump — PowrTex 300DD (P/N 600-480)



Item	Part #	Description	Quantity
1	600-475	Screw (torque to 44 in./lbs.).....	4
2	600-417	Washer	20
3	600-409	Delivery manifold.....	1
4	600-422	Motor	1
5	600-413	Support diaphragm	2
6	600-412	Product diaphragm	2
7	600-410	Outer diaphragm disk (torque to 9 ft./lbs.)	2
8	600-411	Diaphragm cover	2

Item	Part #	Description	Quantity
9	600-420	Nut	8
10	600-423	Fluid valve unit.....	4
11	600-408	Suction manifold	1
12	600-439	Screw, self-tapping	1
13	600-424	Ground lug	1
14	600-414	Screw.....	4
15	600-416	Nut (torque to 44 in./lbs.)	12
16	600-418	Screw.....	12
17	600-501	O-ring (also included in item #10).....	4

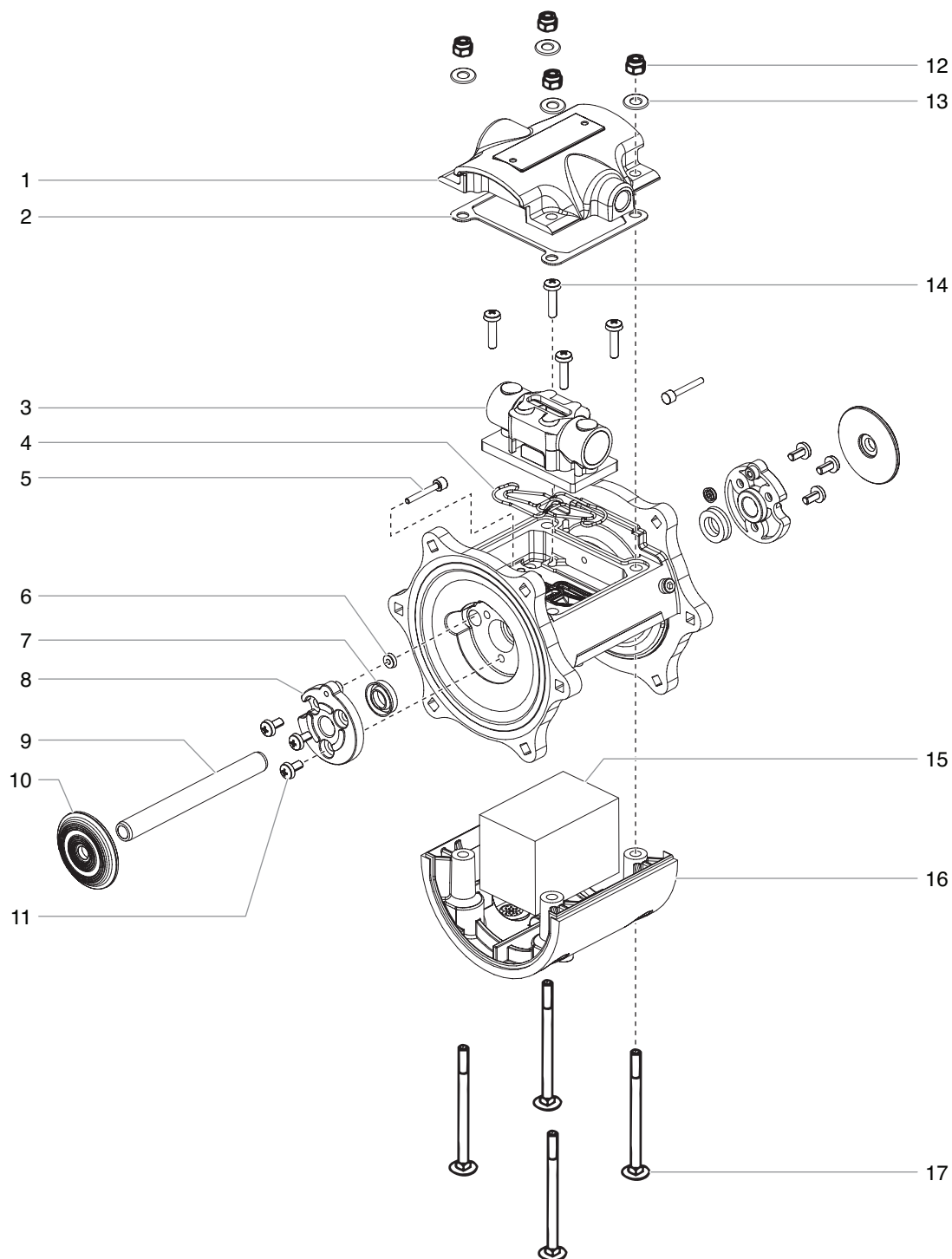
Fluid Pump — PowrTex 600DD (P/N 600-485)



Item	Part #	Description	Quantity
1	600-414	Screw (torque to 30 in./lbs.).....	4
2	600-417	Washer	8
3	600-427	Delivery manifold.....	1
4	600-434	Motor	1
5	600-430	Diaphragm	2
6	600-428	Outer diaphragm disk (torque to 9 ft./lbs.)	2
7	600-429	Diaphragm cover	2
8	600-416	Nut.....	8
9	600-435	Fluid valve unit.....	4

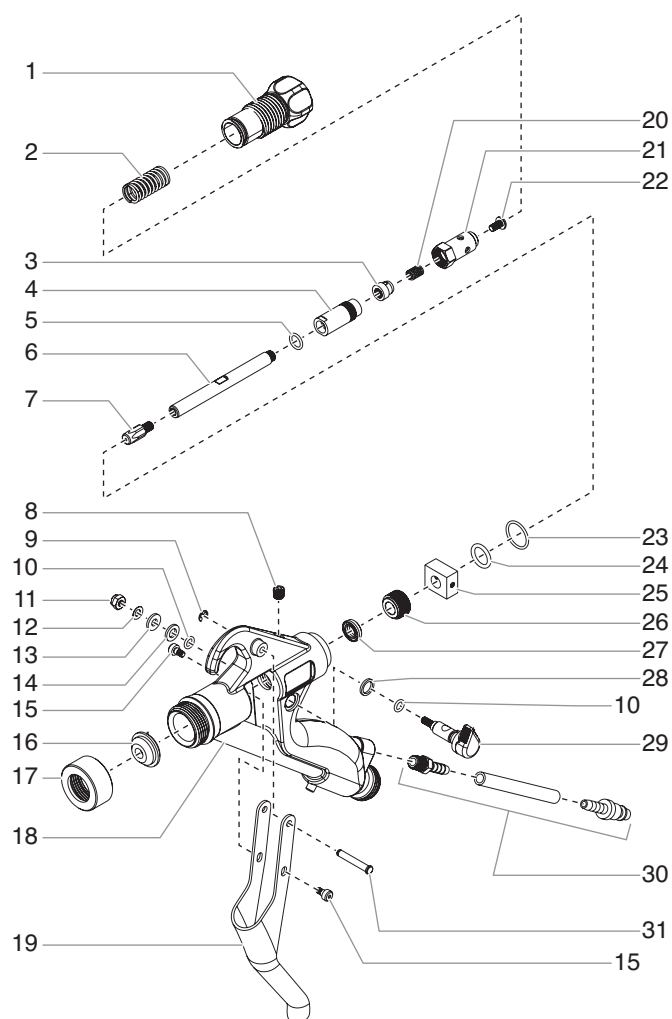
Item	Part #	Description	Quantity
10	600-426	Suction manifold	1
11	600-431	Screw.....	4
12	600-433	Nut (torque to 49 in./lbs.)	12
13	600-437	Washer	12
14	600-432	Screw.....	12
15	600-502	O-ring (also included in item #9).....	4
16	600-440	Screw.....	1
17	600-436	Washer	1
18	600-424	Ground lug.....	1

Motor (P/N 600-422, PowrTex 300DD • P/N 600-434, PowrTex 600DD)



Item	Part #	Description	Quantity	Item	Part #	Description	Quantity
1	600-444	Pressure side cover.....	1	10	600-460	Inner diaphragm disk, PowrTex 300DD.....	2
2	600-449	Pressure cover gasket.....	1		600-442	Inner diaphragm disk, PowrTex 600DD	
3	600-455	Reversing valve (includes items 2 and 4).....	1	11	600-452	Screw.....	6
4	600-448	Reversing valve gasket	1	12	600-416	Nut (torque to 44 in./lbs.)	4
5	600-441	Feeler pin.....	2	13	600-425	Contact washer.....	4
6	600-453	Lip gasket, small.....	2	14	600-451	Screw.....	4
7	600-454	Lip gasket, large	2	15	600-450	Silencer.....	1
8	600-445	Bushing guide.....	2	16	600-446	Discharge side cover.....	1
9	600-443	Shaft.....	1	17	600-419	Screw.....	4

PowrTex Gun (P/N 600-400)

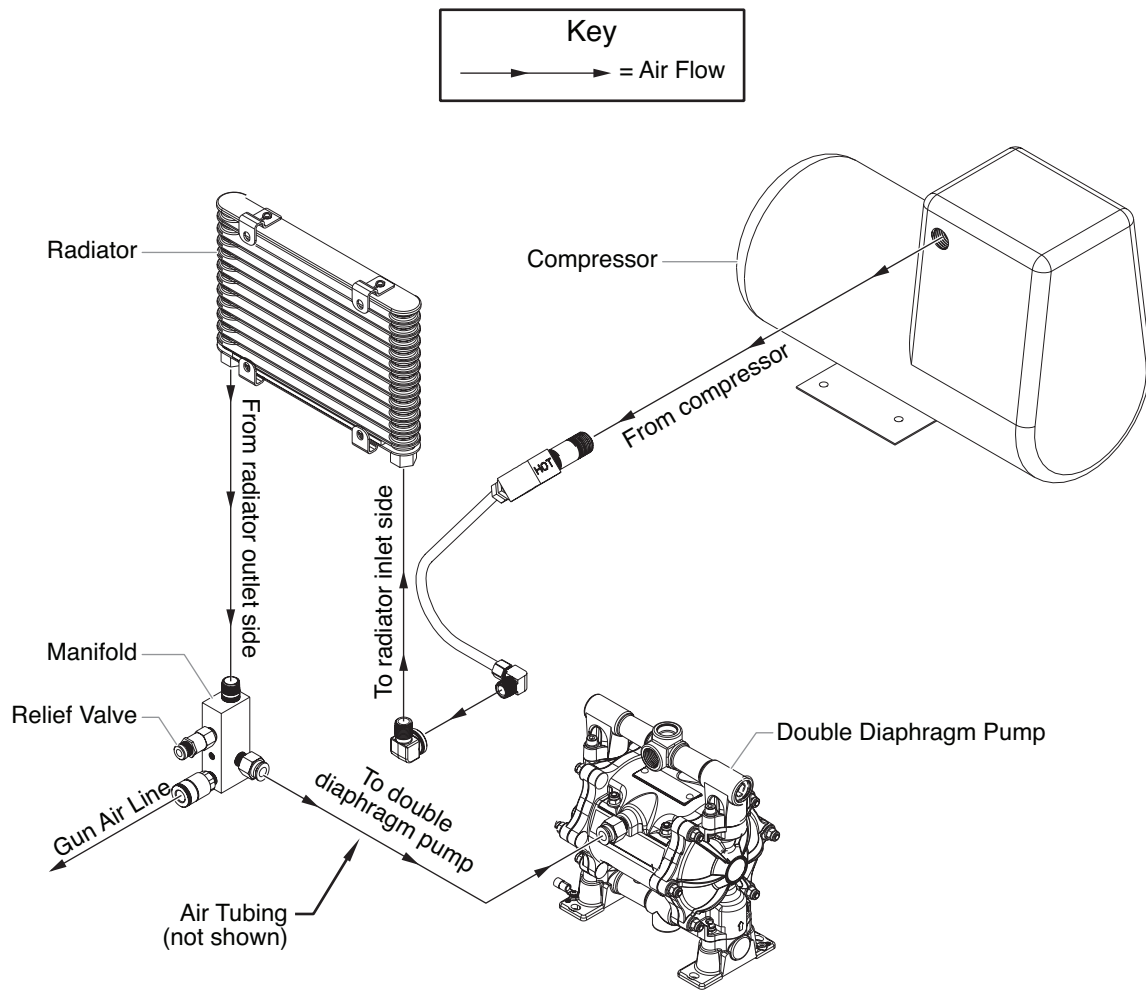


Item	Part #	Description	Quantity
1	600-055	Fluid adjustment knob.....	1
2	600-057	Adjustment spring	1
3	600-054	Air valve seal.....	1
4	600-077	Air trip rod	1
5	600-079	O-ring	1
6	600-052	Texture shaft	1
6	600-053	Air nozzle	1
8	600-069	Plug.....	1
9	9822550	Retaining ring.....	1
10	931-014	O-ring	2
11	9812322	Lock nut	1
12	580-506	Belleville washer	1
13	600-475	Flat washer	1
14	600-068	Washer.....	1
15	600-096	Shoulder screw	2
16	600-100	Texture nozzle, 5/16"	1
	600-105	Texture nozzle, 1/8"	
	600-107	Texture nozzle, 3/16"	
	600-106	Texture nozzle, 1/4"	
17	600-066	Nozzle nut.....	1
18	600-050	Gun body	1
19	600-051	Trigger.....	1
20	600-080	Spring.....	1
21	600-078	Air shut-off valve	1
22	9805384	Screw	1
23	194-113	O-ring	1
24	700-201	Viton o-ring.....	1
25	600-061	Trigger mounting block	1
26	600-097	Retainer screw	1
27	600-099	Shaft spring seal	1
28	600-098	Washer.....	1
29	600-203	Air adjustment knob	1
30	600-202	Whip hose assembly	1
31	581-088	Trigger pin.....	1
	600-462	Texture shaft assembly (includes items 3-7, 20-22, and 24)	
	600-461	O-ring and seal kit (includes items 5, 10, 23, 24 and 27)	

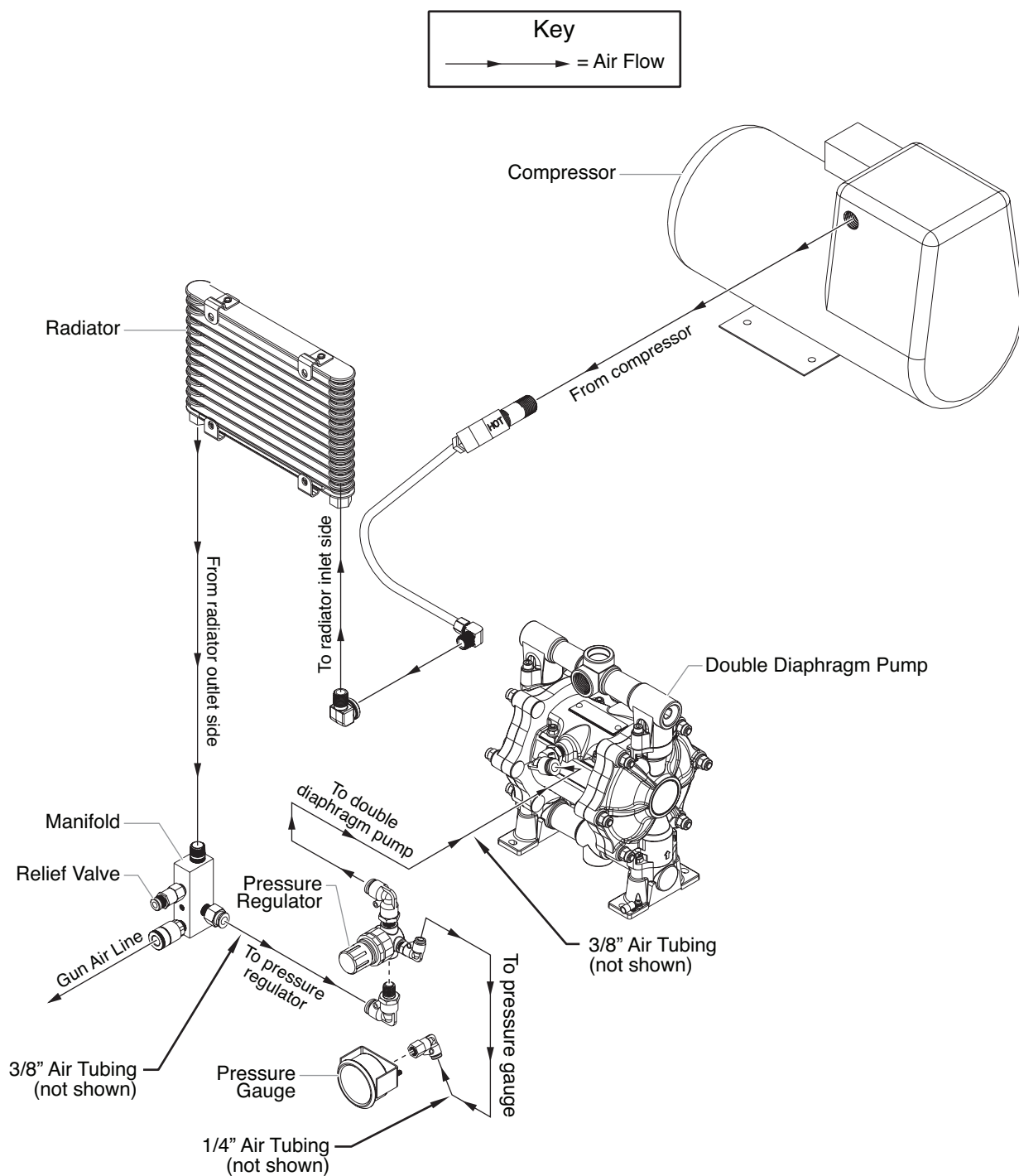
Texture Nozzle Chart

Nozzle Part #	Nozzle Size	Application	Air Flow	Fluid Pressure (PowrTex 600DD only)
600-100	1/8" Round Orifice	Fog	High	Low
600-107	3/16" Round Orifice	Orange peel	Medium to high	Low to medium
600-106	1/4" Round Orifice	Fine to medium simulated acoustics Splatter coat	High Low to medium	Low to medium Medium to high
600-105	5/16" Round Orifice	Coarse simulated acoustics Splatter coat Knockdown	Medium Low to medium Low	High Medium to high High to medium
0524465	Flat Pattern	Orange peel Fine to medium simulated acoustics Coarse simulated acoustics Splatter coat Knockdown	High High Medium Low to medium Low	Low to medium Low to medium High Medium to high Medium to high

Air Flow Schematic — PowrTex 300DD



Air Flow Schematic — PowrTex 600DD



Accessories

Bonded Fluid and Air Hose Sets

The fluid hose and air hose are bonded together for ease of use with the PowrTex Texture sprayers.

Part #	Description
600-132.....	Bonded 3/4" x 25' fluid hose and 3/8" x 25' air hose set, PowrTex 300DD
600-133.....	Bonded 1" x 25' fluid hose and 3/8" x 25' air hose set, PowrTex 600DD
600-488.....	Hose connection kit, PowrTex 300DD
600-489.....	Hose connection kit, PowrTex 600DD

Liquid Shield Plus

Cleans and protects spray systems against rust, corrosion and premature wear. Now with -25° anti-freeze protection.

Part #	Description
314-483	4 ounce bottle
314-482	1 quart bottle



Piston Lube

Specially formulated to prevent materials from adhering to the piston rod, which becomes abrasive to the upper seals. Piston Lube will break down any material that may accumulate in the oil cup and keep it from drying.

Part #	Description
314-481	4 ounce bottle
314-480	8 ounce bottle



PowrTex Spray Gun — P/N 600-400

Flow Funnel — P/N 600-369

Helps determine the proper material consistency when mixing texture spray material.



Cleaning Cylinder — P/N 600-362

Cleans material residue from inside the texture material spray hose. Prevents hard deposits from forming inside the hose.



Warranty

Titan Tool, Inc., ("Titan") warrants that at the time of delivery to the original purchaser for use ("End User"), the equipment covered by this warranty is free from defects in material and workmanship. With the exception of any special, limited, or extended warranty published by Titan, Titan's obligation under this warranty is limited to replacing or repairing without charge those parts which, to Titan's reasonable satisfaction, are shown to be defective within twelve (12) months after sale to the End User. This warranty applies only when the unit is installed and operated in accordance with the recommendations and instructions of Titan.

This warranty does not apply in the case of damage or wear caused by abrasion, corrosion or misuse, negligence, accident, faulty installation, substitution of non-Titan component parts, or tampering with the unit in a manner to impair normal operation.

Defective parts are to be returned to an authorized Titan sales/service outlet. All transportation charges, including return to the factory, if necessary, are to be borne and prepaid by the End User. Repaired or replaced equipment will be returned to the End User transportation prepaid.

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Material Safety Data Sheets (MSDS) are available on Titan's website or by calling Customer Service.

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