

CleanSpray[®] XT Spray Guns

Customer Product Manual
Part 1103833-04

Issued 9/21

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CleanSpray® XT Spray Guns

Safety

Read and follow these safety instructions. Task- and equipment-specific warnings, cautions, and instructions are included in equipment documentation where appropriate.

Make sure all equipment documentation, including these instructions, is accessible to persons operating or servicing equipment.

Qualified Personnel

Equipment owners are responsible for making sure that Nordson equipment is installed, operated, and serviced by qualified personnel. Qualified personnel are those employees or contractors who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.

Intended Use

Use of Nordson equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property.

Some examples of unintended use of equipment include

- using incompatible materials
- making unauthorized modifications
- removing or bypassing safety guards or interlocks
- using incompatible or damaged parts
- using unapproved auxiliary equipment
- operating equipment in excess of maximum ratings

Regulations and Approvals

Make sure all equipment is rated and approved for the environment in which it is used. Any approvals obtained for Nordson equipment will be voided if instructions for installation, operation, and service are not followed.

Personal Safety

To prevent injury follow these instructions.

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors, or covers are intact and automatic interlocks are operating properly. Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Relieve (bleed off) hydraulic and pneumatic pressure before adjusting or servicing pressurized systems or components. Disconnect, lock out, and tag switches before servicing electrical equipment.
- While operating manual spray guns, make sure you are grounded. Wear electrically conductive gloves or a grounding strap connected to the gun handle or other true earth ground. Do not wear or carry metallic objects such as jewelry or tools.
- If you receive even a slight electrical shock, shut down all electrical or electrostatic equipment immediately. Do not restart the equipment until the problem has been identified and corrected.
- Obtain and read Safety Data Sheets (SDS) for all materials used. Follow the manufacturer's instructions for safe handling and use of materials, and use recommended personal protection devices.
- Make sure the spray area is adequately ventilated.
- To prevent injury, be aware of less-obvious dangers in the workplace that often cannot be completely eliminated, such as hot surfaces, sharp edges, energized electrical circuits, and moving parts that cannot be enclosed or otherwise guarded for practical reasons.

High-Pressure Fluids

High-pressure fluids, unless they are safely contained, are extremely hazardous. Always relieve fluid pressure before adjusting or servicing high pressure equipment. A jet of high-pressure fluid can cut like a knife and cause serious bodily injury, amputation, or death. Fluids penetrating the skin can also cause toxic poisoning.

If you suffer a fluid injection injury, seek medical care immediately. If possible, provide a copy of the SDS for the injected fluid to the health care provider.

The National Spray Equipment Manufacturers Association has created a wallet card that you should carry when you are operating high-pressure spray equipment. These cards are supplied with your equipment. The following is the text of this card:



WARNING: Any injury caused by high pressure liquid can be serious. If you are injured or even suspect an injury:

- Go to an emergency room immediately.
- Tell the doctor that you suspect an injection injury.
- Show him this card
- Tell him what kind of material you were spraying

MEDICAL ALERT—AIRLESS SPRAY WOUNDS: NOTE TO PHYSICIAN

Injection in the skin is a serious traumatic injury. It is important to treat the injury surgically as soon as possible. Do not delay treatment to research toxicity. Toxicity is a concern with some exotic coatings injected directly into the bloodstream.

Consultation with a plastic surgeon or a reconstructive hand surgeon may be advisable.

The seriousness of the wound depends on where the injury is on the body, whether the substance hit something on its way in and deflected causing more damage, and many other variables including skin microflora residing in the paint or gun which are blasted into the wound. If the injected paint contains acrylic latex and titanium dioxide that damage the tissue's resistance to infection, bacterial growth will flourish. The treatment that doctors recommend for an injection injury to the hand includes immediate decompression of the closed vascular compartments of the hand to release the underlying tissue distended by the injected paint, judicious wound debridement, and immediate antibiotic treatment.

Fire Safety

To avoid a fire or explosion, follow these instructions.

- Ground all conductive equipment. Use only grounded air and fluid hoses. Check equipment and workpiece grounding devices regularly. Resistance to ground must not exceed one megohm.
- Shut down all equipment immediately if you notice static sparking or arcing. Do not restart the equipment until the cause has been identified and corrected.
- Do not smoke, weld, grind, or use open flames where flammable materials are being used or stored.
- Do not heat materials to temperatures above those recommended by the manufacturer. Make sure heat monitoring and limiting devices are working properly.

Fire Safety (contd)

- Provide adequate ventilation to prevent dangerous concentrations of volatile particles or vapors. Refer to local codes or your material SDS for guidance.
- Do not disconnect live electrical circuits when working with flammable materials. Shut off power at a disconnect switch first to prevent sparking.
- Know where emergency stop buttons, shutoff valves, and fire extinguishers are located. If a fire starts in a spray booth, immediately shut off the spray system and exhaust fans.
- Shut off electrostatic power and ground the charging system before adjusting, cleaning, or repairing electrostatic equipment.
- Clean, maintain, test, and repair equipment according to the instructions in your equipment documentation.
- Use only replacement parts that are designed for use with original equipment. Contact your Nordson representative for parts information and advice.

Halogenated Hydrocarbon Solvent Hazards

Do not use halogenated hydrocarbon solvents in a pressurized system that contains aluminum components. Under pressure, these solvents can react with aluminum and explode, causing injury, death, or property damage. Halogenated hydrocarbon solvents contain one or more of the following elements:

<u>Element</u>	<u>Symbol</u>	<u>Prefix</u>
Fluorine	F	"Fluoro-"
Chlorine	Cl	"Chloro-"
Bromine	Br	"Bromo-"
Iodine	I	"Iodo-"

Check your material SDS or contact your material supplier for more information. If you must use halogenated hydrocarbon solvents, contact your Nordson representative for information about compatible Nordson components.

Action in the Event of a Malfunction

If a system or any equipment in a system malfunctions, shut off the system immediately and perform the following steps:

- Disconnect and lock out system electrical power. Close hydraulic and pneumatic shutoff valves and relieve pressures.
- Identify the reason for the malfunction and correct it before restarting the system.

Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.

Description

See Figure 1. CleanSpray XT spray guns is used in high-speed coating applications to clean lacquer spray gun nozzles. The gun sprays solvent or water at high pressure onto the lacquer nozzle tip between lacquer spray cycles. Two versions are available: the standard version 245 mm (9.63 in.) long, and a short extension version 194 mm (7.63 in.) long. All Installation, Operation, Maintenance, Troubleshooting, and Repair procedures are the same for both versions.

CleanSpray XT spray guns feature:

- Narrow diameter valved extension
- Special soft seat
- 90 micron filter
- Electronic operation
- High speed capability with rapid opening and closing

The guns are equipped with a tube fitting for $\frac{1}{8}$ in. tubing. If a hose connection to the gun is desired, a $\frac{1}{2}$ -20 37° JIC male fluid connector with 90 micron filter is available. Refer to the *Parts* section for the part number.

The CleanSpray XT spray gun (2) is installed on the spray arm next to the lacquer spray gun. The CleanSpray XT spray gun nozzle is typically positioned approximately 44 mm (1.75 in.) from the lacquer spray gun nozzle.

NOTE: Nozzles are optional and not included with the CleanSpray XT spray guns. Contact your Nordson representative to order the correct nozzles for your application.

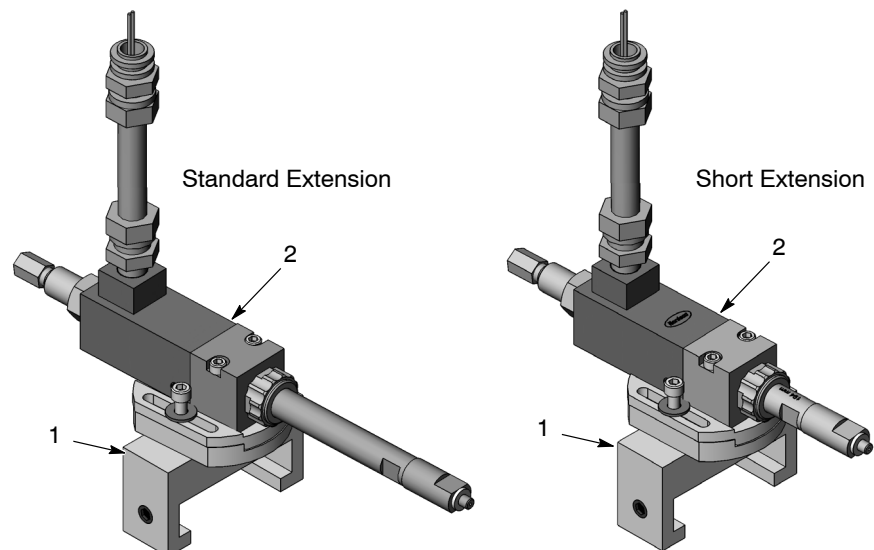


Figure 1 CleanSpray XT Spray Guns Shown With Optional Mounting Bracket

1. Mounting bracket (optional)

2. CleanSpray XT spray guns

Note: The spray gun nozzle (not shown), and mounting bracket are sold separately.

Specifications

Optimum Fluid Pressure	19.65–21.72 bar (285–315 psi)
Maximum Fluid Pressure	22 bar (315 psi)
Electrical	24 Vdc maximum; 1.2 amps maximum
Ambient Temperature	60 °C (140 °F) maximum
Weight	568 g (1.25 lb)
Dimensions	See Figure 2.
Sound Level	46 db max

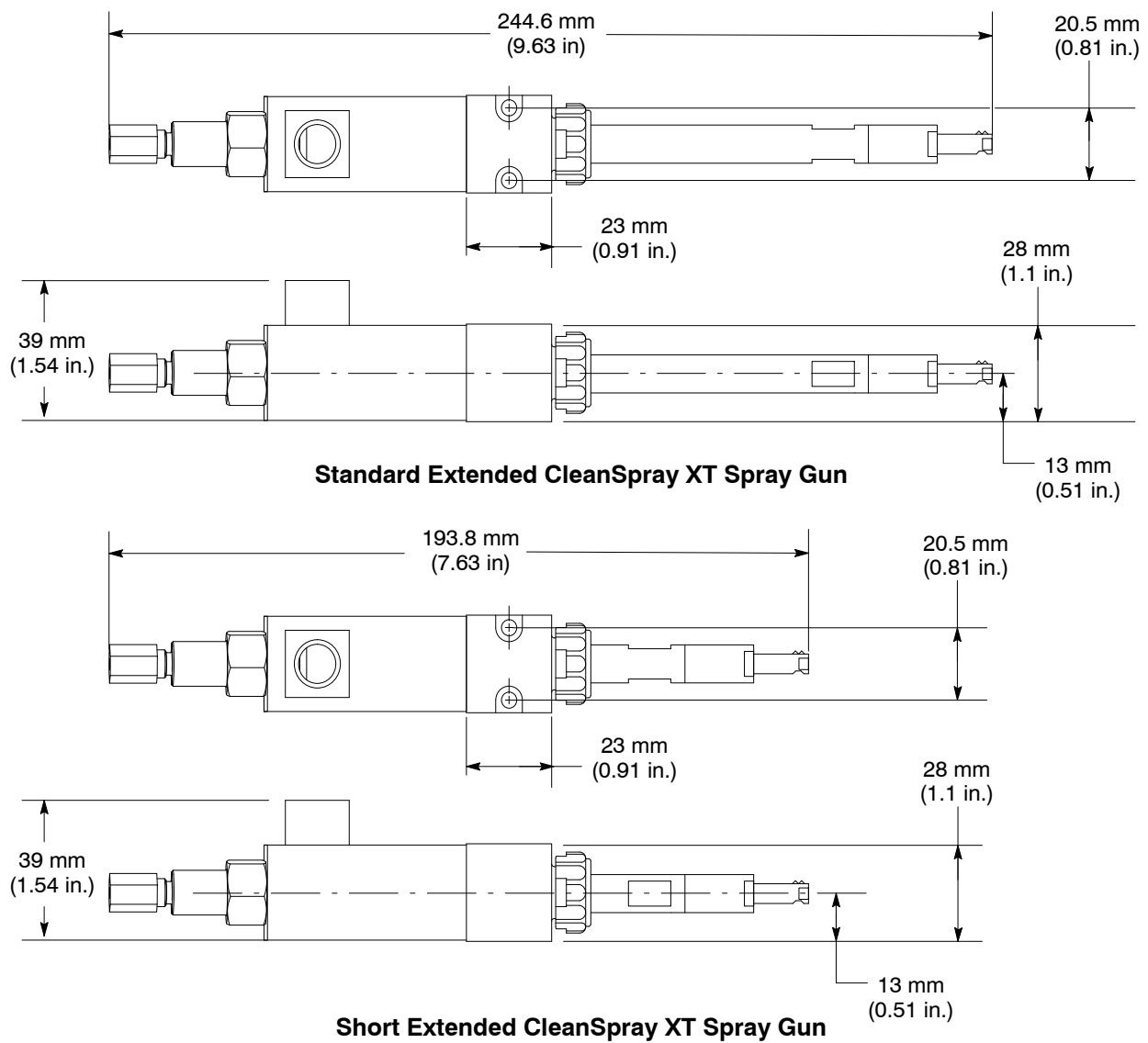


Figure 2 CleanSpray XT Spray Gun Dimensions

Installation



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



WARNING: Before installing the CleanSpray XT gun, make sure the system fluid pressure is relieved and electrical power is off.

NOTE: Make sure the lacquer spray gun is in its final position before you install the CleanSpray XT spray gun.

Conduit Orientation

The spray gun coil assembly can be rotated in 90° increments to facilitate conduit routing. Do this before installing the gun on the mounting plate.

1. See Figure 3. Unscrew the tubing adapter (1) from the spray gun.
2. Pull the coil housing (3) away from the body (5) about 1.5 mm ($\frac{1}{16}$ in.), until the pin (4) in the coil housing is clear of the hole in the body.
3. Rotate the coil housing until the conduit (2) is at the desired position. Push the coil housing and seat body together, making sure the coil pin fits into the hole in the body.
4. Screw the tubing adapter back onto the spray gun and tighten it securely.

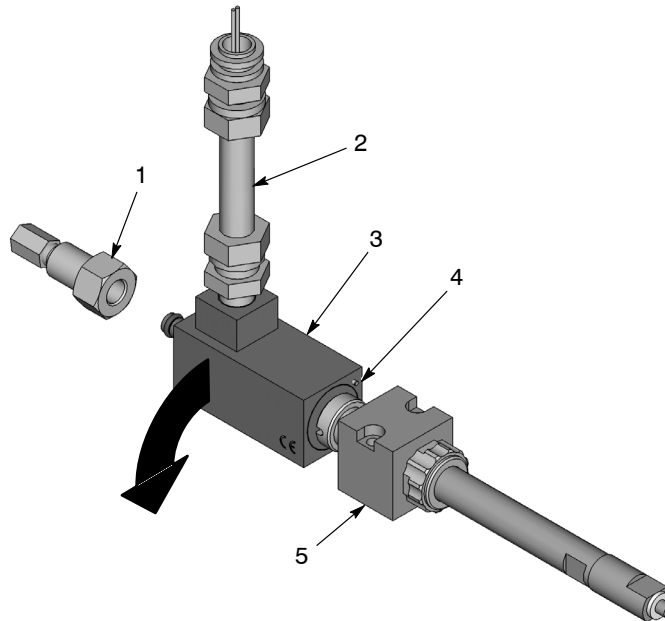


Figure 3 Conduit Orientation

- | | |
|---|-------------|
| 1. Tubing adapter ($\frac{1}{8}$ in. tubing) | 4. Coil pin |
| 2. Conduit | 5. Body |
| 3. Coil housing | |

Mounting and Positioning

See Figure 4. Use the two socket-head screws (1) (included with the mounting bracket) to secure the CleanSpray XT spray gun to the mounting bracket.

Position the spray gun on the spray arm, using the adjustment screws on the mounting bracket. Refer to Table 1 for an explanation of the function of the adjustment screws.

Refer to *Nozzle Position* on page 11 for final nozzle position guidelines. These guidelines should be adjusted to suit your installation requirements.

Table 1 Mounting Bracket Adjustment

Item	Description	Position Adjustment
1	#8–32 x 1.125 in. Socket Head Screws	Forward/reverse position of spray gun (broad increments) NOTE: There are three pairs of holes on top of the mounting bracket. The pair you use is dependent upon the final nozzle position. Refer to <i>Nozzle Position</i> on page 11.
2	#10–32 x 0.50 in. Socket Head Screws	Forward/reverse position of spray gun (fine increments)
3	Side set screw	Bracket/spray gun distance from lacquer spray gun on spray arm
4	Bottom set screw	Angle of spray gun (relative to spray arm and lacquer spray gun)

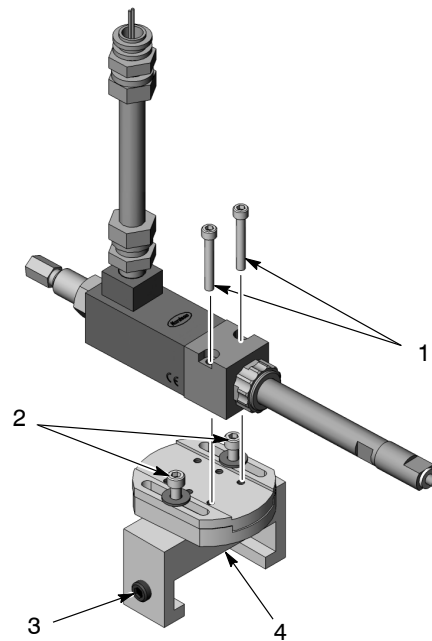


Figure 4 Mounting and Positioning

Fluid Connections

Install an approved pressure relief device set at 22 bar (315 psi), a fluid filter, and a two-way ball valve in the fluid line to the spray gun or dual manifold. The ball valve allows the spray gun to be isolated from the fluid supply.

Rigid Tubing Connection to Gun: Connect 1/8 in. fluid supply tubing to the spray gun adapter as described in Connecting Tubing to the Spray Gun on page 10.

Fluid Hose Connection to Gun: Remove the adapter from the spray gun and install the optional 1/2–20 JIC fitting listed on page 22 so you can connect a fluid hose directly to the gun.

Dual Manifold Connection: If you install the optional dual manifold, connect your fluid supply hose to the manifold inlet connector (3, Figure 5). The connector threads are 1/2–20, 37° JIC. The fluid supply must have a minimum burst pressure of 22 bar (315 psi).

Optional Dual Manifold Installation

Use the following instructions to install the optional CleanSpray XT dual manifold kit. The manifold supplies fluid to two CleanSpray guns. The kit includes:

- Two pieces of 1/8 in. tubing (7) 18 in. long
- Manifold assembly (items 1–6)

The adapter (9) and tubing nut with ferrule (8) are supplied with the spray gun.

The manifold also allows the CleanSpray gun performance to be monitored by the Nordson iTrax system. The manifold has plugged ports for a CO-plate and transducer (sold separately), which allow the iTrax system to monitor both base pressure and fire pressure. The CO-plate produces a controlled pressure drop when the gun fires and the transducer sends the pressure signal to the iTrax Spray Monitor.

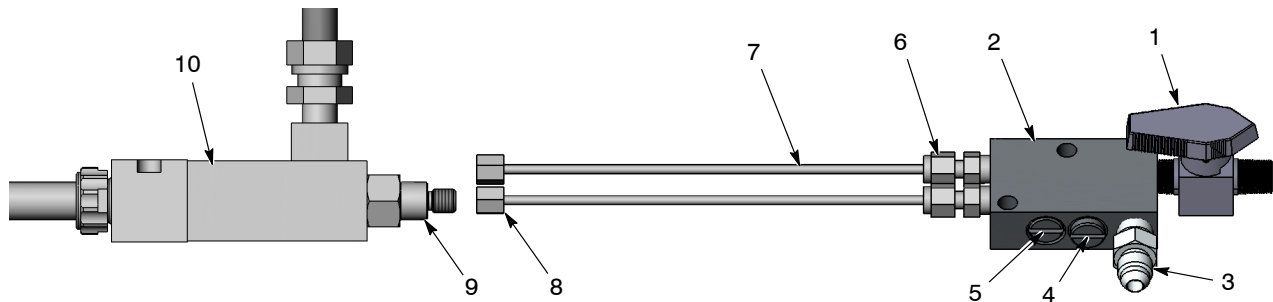


Figure 5 Optional Dual Manifold Kit

- | | | |
|-------------------------------------|---------------------------|----------------------------|
| 1. Two-way ball valve – 1/4 in. NPT | 5. Transducer port | 8. Spray gun tube fittings |
| 2. Manifold | 6. Manifold tube fittings | 9. Adapter with filter |
| 3. Inlet connector 1/2–20 JIC | 7. 1/8 in. tubing | 10. CleanSpray gun |
| 4. CO-plate port | | |

Optional Dual Manifold Installation (contd)

Manifold Mounting

Use $\frac{1}{4}$ in. fasteners and the two through-holes in the manifold to mount it to a bracket or other surface. Use the following instructions to connect the tubing to the spray gun and manifold.

Connecting Tubing to the Manifold

NOTE: The tubing can be shortened with a tubing cutter to the appropriate length for the installation.

1. See Figure 6. Remove the nut (4) and two piece ferrule (2, 3) from the end of the manifold connector (1).
2. Slide the nut (4) onto the end of the tube (5) followed by the shoulder (3) and cone (2). Make sure the tapered end of the cone is pointing towards the end of the tubing.
3. Insert the tube end into the manifold connector until it bottoms out.
4. Make sure that the nut rests firmly on the shoulder, then tighten the nut finger-tight.
5. Scribe the nut and connector at the 12 o'clock position.
6. Hold the connector steady with one wrench. Tighten the nut $1\frac{1}{4}$ turns to the 3 o'clock position.

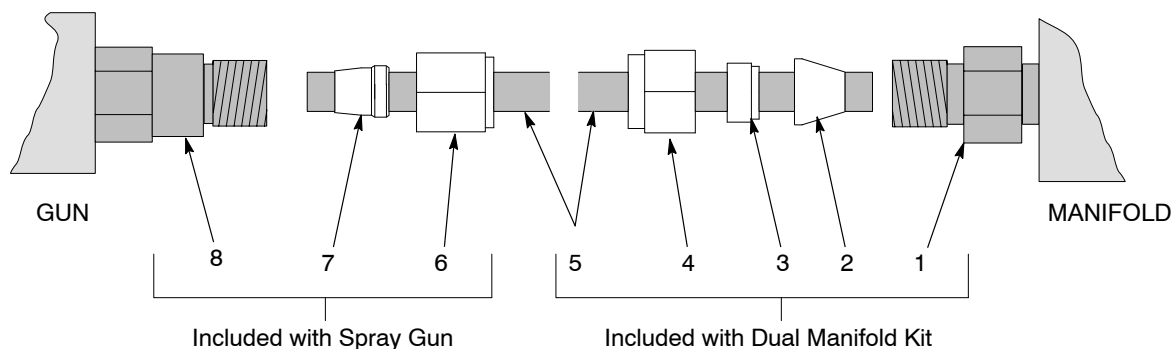


Figure 6 Dual Manifold Tubing Installation

- | | | |
|-----------------------|-----------|------------|
| 1. Manifold connector | 4. Nut | 7. Ferrule |
| 2. Cone | 5. Tubing | 8. Adapter |
| 3. Shoulder | 6. Nut | |

Connecting Tubing to the Spray Gun

1. See Figure 6. Remove the nut (6) and ferrule (7) from the spray gun adapter (8). Slip the nut and ferrule onto the end of the tubing (5) as shown. Make sure the tapered end of the ferrule is pointing towards the tube end.
2. Insert the end of the tubing into the adapter (8) until it bottoms out.
3. Using oil, lightly lubricate the threads of the adapter and the lead and tail ends of the ferrule.

4. Pre-set the ferrule by screwing the nut finger-tight onto the connector. Use a wrench to tighten the nut $1 \frac{3}{4}$ turns.
5. Unscrew the nut and pull the tubing out of the connector. Inspect the ferrule tube compression.
6. Insert the tube into the connector and tighten the nut until a sudden increase in the torque is evident. Then turn the nut an additional $\frac{1}{4}$ to $\frac{1}{3}$ turn.

Nozzle Positioning

See Figure 7. Position the nozzle as shown:

- Make sure the nozzle is pointing directly at the lacquer spray gun nozzle.
- To adjust the CleanSpray XT spray gun position, adjust the screws identified in Table 1 and Figure 4.
- To adjust the nozzle position, loosen the nozzle nut and rotate the barrel. When the nozzle is in the correct position, tighten the nozzle nut securely.

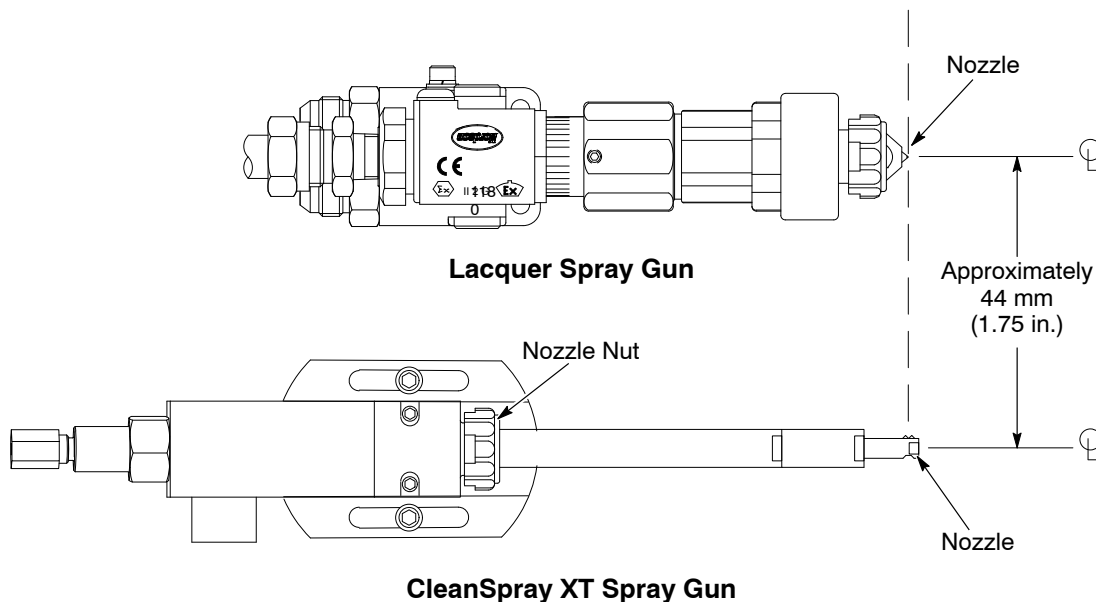


Figure 7 Nozzle Position (Standard Extension Version Shown)

Electrical Connections

See Figure 8. The potted coil assembly is not sensitive to polarity.

NOTE: The conduit connectors are $\frac{1}{4}$ in. The conduit can be connected directly to the CleanSpray controller by installing the $\frac{3}{4}$ to $\frac{1}{4}$ in. reducer bushing included in the controller installation kit on the conduit tee.

1. Connect the spray gun's electrical conduit to a customer-supplied junction box (4) with the lock nut (5) and seal ring (6).
2. Connect the spray gun wires from the electrical conduit to a customer-supplied terminal block (3) as shown.
3. Connect customer supplied wiring (2) and conduit from the terminal block to the CleanSpray controller (1).

Refer to the *iTrax® Controller* manual to complete the electrical connections.

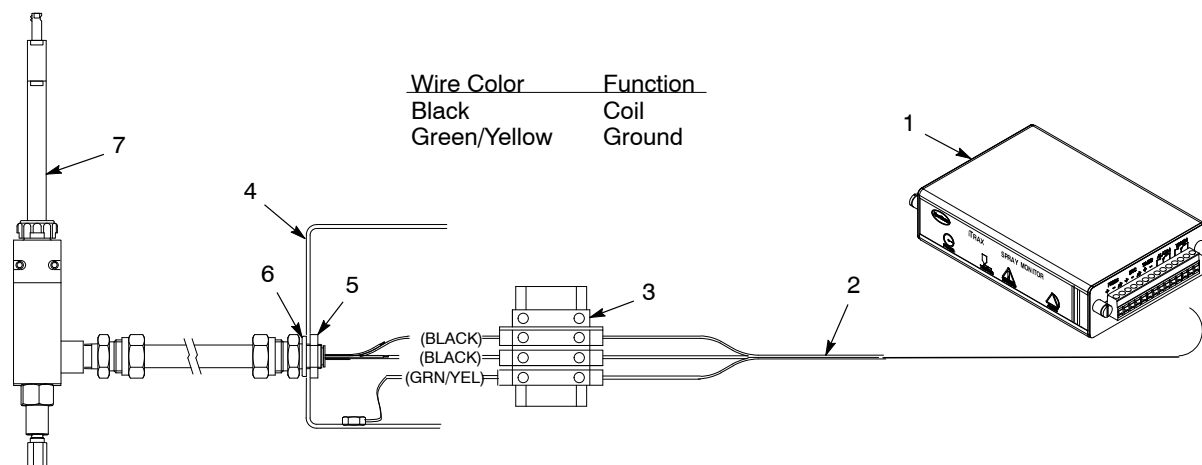


Figure 8 Electrical Connections

- | | | |
|----------------------|-----------------|----------------------------|
| 1. iTrax controller | 4. Junction box | 6. Seal ring |
| 2. Wires and conduit | 5. Lock nut | 7. CleanSpray XT spray gun |
| 3. Terminal block | | |

Note: Items 2, 3, and 4 must be supplied by the customer.

Operation

Refer to the *CleanSpray XT System Startup* card for operating procedures. Operation of the CleanSpray XT spray gun is controlled by the iTrax Controller, using inputs from the lacquer spray gun timer and spray machine.

Troubleshooting



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

These procedures cover only the most common problems that you may encounter. If you cannot solve the problem with the information given here, contact your local Nordson Corporation representative for help.

Problem	Possible Cause	Corrective Action
1. Spray gun fails to trigger	Poor electrical connection	Check all electrical connections.
	Dirt buildup inside spray gun	Disassemble and clean the spray gun.
	Bad coil assembly	Disconnect the coil wires and check the resistance with an ohmmeter. The reading should be approximately 17.5/19.5 ohms. Replace the coil assembly if the resistance check fails. Use the Coil Service Kit listed in <i>Parts</i> .
2. Fluid is spitting or leaking from nozzle	Air trapped in spray gun	Purge the air from the spray gun.
	Dirty or worn ball and seat	Clean or replace the ball and seat. Use the Ball and Seat Kit listed in <i>Parts</i> .
3. Fluid leaks between spray gun body and coil housing and/or seat	Damaged O-rings	Replace the O-rings. O-rings are available individually or in the Soft Goods Service Kit listed in <i>Parts</i> .
4. Inadequate flow from gun	Clogged 90 micron filter in tube adapter or JIC fitting	Filter is not serviceable. Replace tube adapter or JIC fitting.

Repair



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



WARNING: To prevent serious injury to personnel and damage to equipment, relieve system fluid pressure and shut off system electrical power before performing the following tasks.

The following kits are available for repairing the CleanSpray XT spray gun. Many parts are also available separately. Refer to *Parts* for kit part numbers and contents.

- **Coil Service Kit:** Use to replace the coil if it fails.
- **Ball and Seat Service Kit:** Use to replace the ball tip armature and seat if the gun fails to open or if fluid leaks or spits from the gun.
- **Soft Goods Service Kit:** Use to replace all gun O-rings.

Disassembly

1. See Figure 9. Turn the CleanSpray controller OFF.
2. Relieve system pressure, then disconnect the fluid hose and electrical connections.
3. Remove the spray gun from the mounting bracket and take it to a clean work surface.
4. Unscrew the nozzle (not shown) from the seat holder (10), then unscrew the seat holder from the barrel (8). Remove the nylon washer (11) from the front of the seat holder.
5. Unscrew the nozzle nut (9). Remove the nozzle nut and barrel (8) from the body (7).
6. Remove the tubing adapter (1), then pull the body (7) and sleeve (4) assembly from the coil (2).
7. Slide the supplied CleanSpray wrench onto the sleeve. Insert the wrench's pins into the slots in the sleeve, then unscrew the sleeve from the body.
8. Remove the ball tip armature and spring (5) from the body.

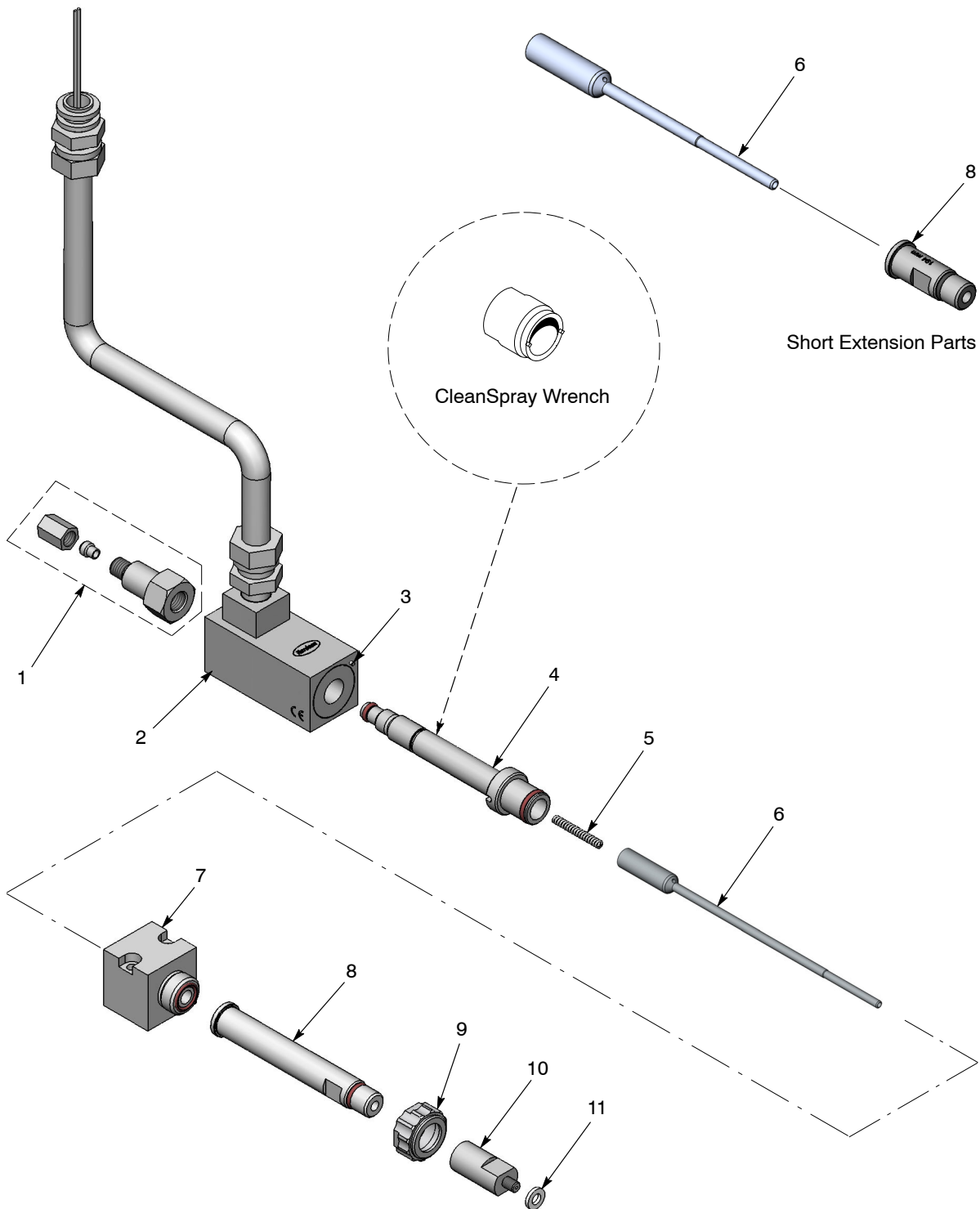


Figure 9 Repair Procedures

- | | | |
|--------------------|----------------------|------------------|
| 1. Tubing adapter | 5. Spring | 9. Nozzle nut |
| 2. Coil assembly | 6. Ball tip armature | 10. Seat holder |
| 3. Coil pin | 7. Body | 11. Nylon washer |
| 4. Sleeve assembly | 8. Barrel | |

Assembly

NOTE: Clean and inspect all parts before re-assembling the gun. Replace any worn or damaged parts. Apply petroleum jelly to all O-rings.

1. See Figure 9. Slide the spring (5) inside the ball tip armature (6) and install both into the sleeve assembly (4).
2. Install the armature and sleeve assembly into the body (7). Tighten the sleeve assembly using the supplied CleanSpray wrench.
3. Insert the sleeve assembly into the coil assembly (2) and rotate the coil to the desired position. Push the coil housing and body together, making sure the coil pin (3) fits into the hole in the body.
4. Thread the tubing adapter (1) on to the sleeve assembly. Tighten the adapter securely.
5. Slide the nozzle nut (9) onto the barrel (8).
6. Slide the barrel and nozzle nut (9) over the ball tip armature (6), engaging the armature cross-pin in the barrel slot.
7. Thread the nozzle nut onto the body and tighten.
8. Thread the seat holder (10) onto the barrel until it bottoms out.
9. Install the nylon washer (11) onto the seat holder, then thread the nozzle (not shown) onto the seat holder.
10. Install the CleanSpray XT spray gun on the mounting bracket and rotate the nozzle to the desired position. Refer to *Nozzle Position* on page 11.

Parts

To order parts, call the Nordson Industrial Coating Systems Customer Support Center at (800) 433-9319 or contact your local Nordson representative. Use the parts lists and the accompanying illustrations to locate and describe parts correctly.

Using the Illustrated Parts List

Numbers in the Item column correspond to numbers that identify parts in illustrations following each parts list. The code NS (not shown) indicates that a listed part is not illustrated. A dash (—) is used when the part number applies to all parts in the illustration.

The number in the Part column is the Nordson Corporation part number. A series of dashes in this column (-----) means the part cannot be ordered separately.

The Description column gives the part name, as well as its dimensions and other characteristics when appropriate. Indentions show the relationships between assemblies, subassemblies, and parts.

Item	Part	Description	Quantity	Note
—	0000000	Assembly	1	
1	000000	• Subassembly	2	A
2	000000	• • Part	1	

- If you order the assembly, items 1 and 2 will be included.
- If you order item 1, item 2 will be included.
- If you order item 2, you will receive item 2 only.

The number in the Quantity column is the quantity required per unit, assembly, or subassembly. The code AR (As Required) is used if the part number is a bulk item ordered in quantities or if the quantity per assembly depends on the product version or model.

Letters in the Note column refer to notes at the end of each parts list. Notes contain important information about usage and ordering. Special attention should be given to notes.

Spray Gun Parts

See Figure 10.

Item	Part	Description	Quantity	Note
—	1616146	GUN, CleanSpray XT, pin	1	
—	1616158	GUN, CleanSpray XT, short, pin	1	
1	984200	• NUT, lock, 1/4 in.	1	
2	955063	• RING, sealing, 1/4 in.	1	
3	972239	• CONNECTOR, 1/4 in. conduit x 1/4 in. NPT	2	
4	179416	• CONDUIT, liquid-tight, 1/4 x 56 in.	1	
5	1086505	• ADAPTER, CleanSpray XT manifold with filter	1	A
5A	971752	• • NUT, tube, hydraulic, 1/8 in. tube	1	A
NS	940080	• • O-RING, hotpaint, 0.188 x 0.313 x 0.063 in.	1	
NS	1086503	• • FILTER, 90 micron element, CleanSpray	1	
6	-----	• COIL, assembly	1	B
7	940080	• O-RING, hotpaint, 0.188 x 0.313 x 0.063 in.	1	B, C, D, E
8	-----	• SLEEVE, assembly	1	
9	940130	• O-RING, hotpaint, 0.438 x 0.563 x 0.063 in.	1	C, D, E
10	1086058	• SPRING, compression, 0.18 x 1.00 x 0.028 in. stainless steel	1	C, D
11	1616090	• ARMATURE, assembly, CleanSpray XT, pin	1	C
11	1616608	• ARMATURE, assembly, CleanSpray XT, short, pin	1	D
12	-----	• BODY, CleanSpray XT	1	
13	940120	• O-RING, hotpaint, 0.375 x 0.50 x 0.063 in.	1	C, D, E
14	-----	• BARREL, CleanSpray XT	1	
14	-----	• BARREL, short, CleanSpray XT	1	
15	940118	• O-RING, hotpaint, 0.313 x 0.438 x 0.063 in., 90 durometer	1	C, D, E
16	237401	• NUT, nozzle	1	
17	1616077	• SEAT, CleanSpray XT, guide, pin	1	C
18	1080835	• WASHER, nylon, 0.194 x 0.375 x 0.062 in., nylon	1	C
NS	981705	• SCREW, socket head, #8-32 x 1.00, zinc	2	
NS	325042	• WRENCH, CleanSpray gun	1	
NS	247646	• CARD, medical alert, injection	1	
NS	901905	• BRUSH	1	

NOTE A: Adapter includes tube nut and ferrule.

B: Noted parts are included in 1067264 Coil Service Kit.

C: Noted parts are included in 1616140 Pin and Seat Service Kit for standard extension guns.

D: Noted parts are included in 1616159 Pin and Seat Service Kit for short extension guns.

E: Noted parts are included in 1067265 Soft Goods Service Kit.

NS: Not Shown

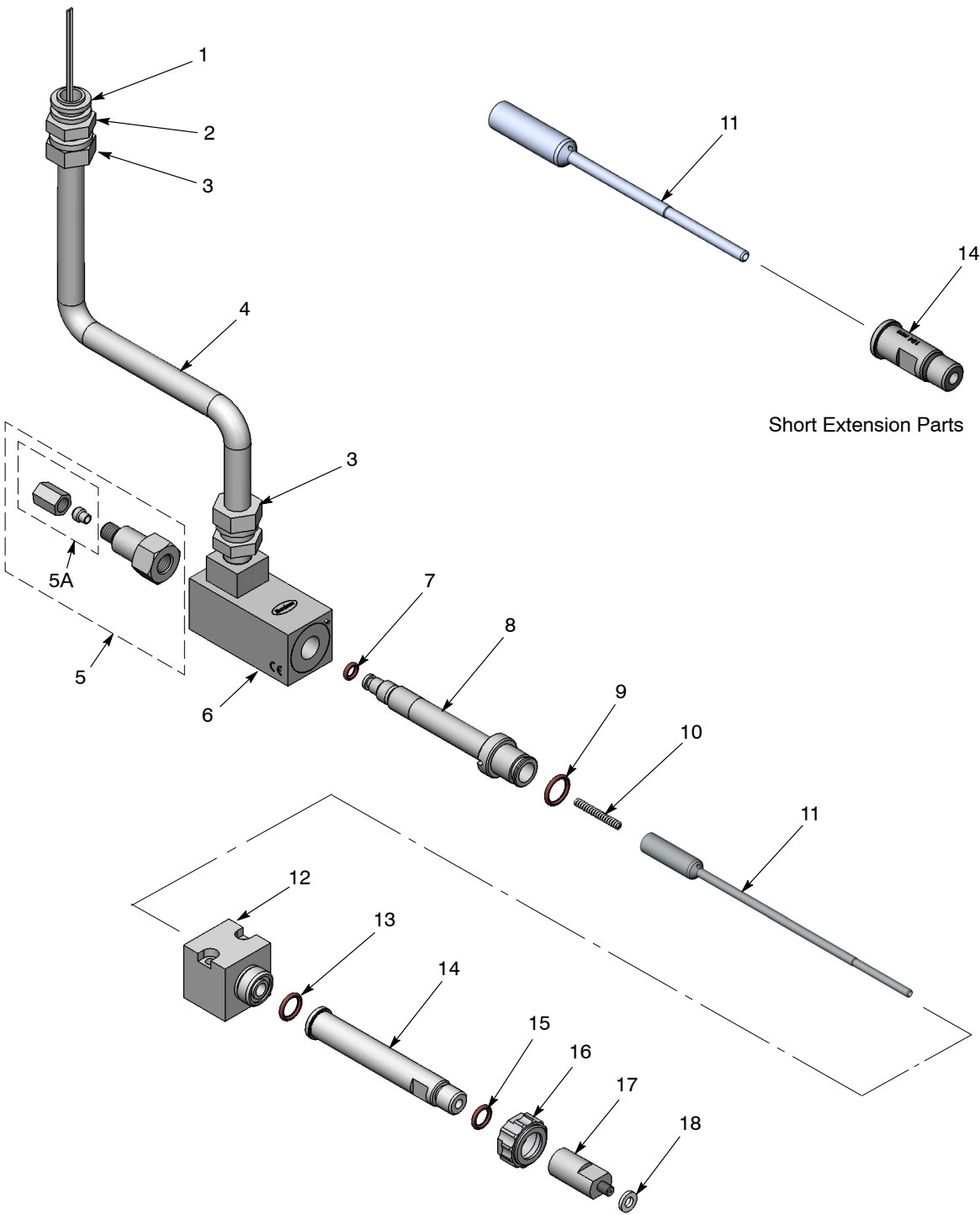


Figure 10 CleanSpray XT Spray Gun Parts

Service Kits

The following service kits are available for the CleanSpray XT spray gun. Keep these kits on hand to reduce downtime.

See Figure 10 for item numbers.

Coil Kit

Item	Part	Description	Quantity	Note
—	1067264	SERVICE KIT, CleanSpray XT, coil	1	
6	-----	• COIL ASSEMBLY	1	
7	940080	• O-RING, hotpaint, 0.188 x 0.313 x 0.063 in.	1	

Pin and Seat Kit

Order 1616140 for the standard extension gun, 1616159 for the short extension gun.

Item	Part	Description	Quantity	Note
—	1616140	SERVICE KIT, CleanSpray XT, pin and seat	1	
—	1616159	SERVICE KIT, pin and seat, short, CleanSpray XT	1	
7	940080	• O-RING, hotpaint, 0.188 x 0.313 x 0.063 in.	1	
9	940130	• O-RING, hotpaint, 0.438 x 0.563 x 0.063 in.	1	
10	1086058	• SPRING, compression, 0.18 x 1.00 x 0.028 in. stainless steel	1	
11	1616090	• ARMATURE, assembly, CleanSpray XT, pin	1	
11	1616608	• ARMATURE, assembly, CleanSpray XT, short, pin	1	
13	940120	• O-RING, hotpaint, 0.375 x 0.50 x 0.063 in.	1	
15	940118	• O-RING, hotpaint, 0.313 x 0.438 x 0.063 in., 90 durometer	1	
17	1616077	• SEAT, CleanSpray XT, guide, pin	1	
18	1080835	• WASHER, nylon, 0.194 x 0.375 x 0.062 in., nylon	1	

Soft Goods Kit

Item	Part	Description	Quantity	Note
—	1067265	SERVICE KIT, CleanSpray XT, soft goods	1	
7	940080	• O-RING, hotpaint, 0.188 x 0.313 x 0.063 in.	1	
9	940130	• O-RING, hotpaint, 0.438 x 0.563 x 0.063 in.	1	
13	940120	• O-RING, hotpaint, 0.375 x 0.50 x 0.063 in.	1	
15	940118	• O-RING, hotpaint, 0.313 x 0.44 x 0.063 in., 90 durometer	1	

Parts Poster

The parts poster is a full-color, 11 x 17-in. exploded view of the disassembled CleanSpray XT spray gun. It identifies all saleable parts and service kits.

Part	Description	Note
1104002	PARTS POSTER, CleanSpray XT spray gun	

Mounting Bracket Parts

See Figure 11.

Item	Part	Description	Quantity	Note
—	1067262	BRACKET, CleanSpray XT, assembly	1	
1	981516	• SCREW, socket head, #8-32 x 1.125 in.	2	
2	-----	• PLATE, top, CleanSpray XT	1	
3	-----	• PLATE, middle, CleanSpray XT	1	
4	-----	• BASE, CleanSpray XT	1	
5	981448	• SCREW, set, socket, 3/8-16 x 0.375 in., cup, black	1	
6	807516	• SCREW, socket head, 3/8-16 x 0.50 in., black	1	
7	345862	• WASHER, flat, #10, narrow	2	
8	981893	• SCREW, socket head, #10-32 x 0.50 in.	2	

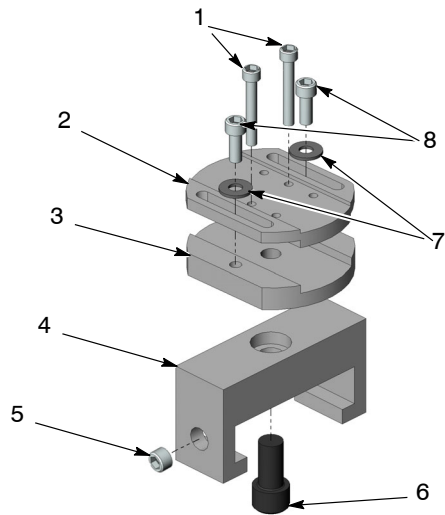


Figure 11 Mounting Bracket Parts

Optional Dual Manifold Kit

See Figure 12.

Item	Part	Description	Quantity	Note
—	1080836	KIT, CleanSpray XT manifold assembly	1	
1	1080910	• VALVE, manual, 1/4 in. MNPT, 1.0 CV	1	
2	-----	• MANIFOLD, CleanSpray XT	1	
3	972029	• CONNECTOR, male, 37, 1/2–20 x 1/4 in. stainless steel	1	
4	324172	• PLUG, MEG	2	
5	945020	• O-RING, hotpaint, 3/16 tube	2	
6	1074717	• CONNECTOR, flareless male, 1/8 in. tube x 1/8 in. NPT, stainless steel	2	
7	323445	• TUBE, stainless steel, 1/8 in. OD x 18 in. long	2	

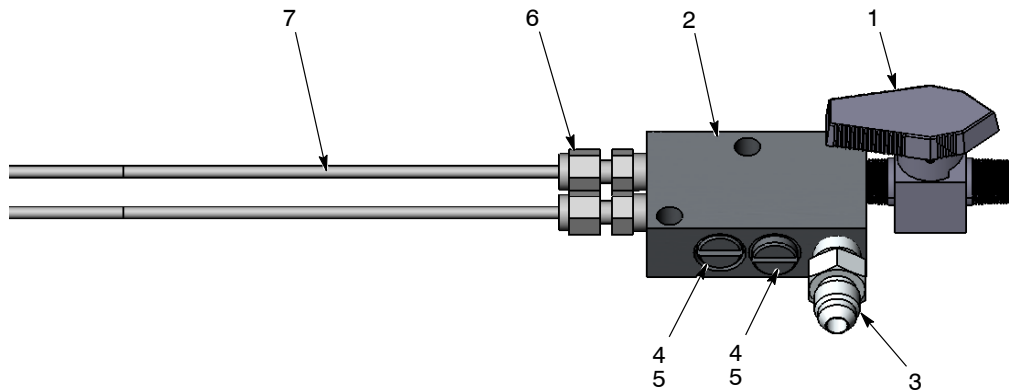


Figure 12 Optional Dual Manifold Kit

Optional JIC Fluid Connector for Hose Connections

If supplying fluid to the spray gun via a fluid hose instead of 1/8 in. tubing, remove the adapter from the spray gun and replace it with this connector. The connector is 1/2–20 JIC, and has a 90 micron filter pressed into it.

Part	Description	Quantity	Note
1092549	CONNECTOR, CleanSpray, 90 micron filter	1	