

Resistor Replacement Kit

Prodigy® Generation II Manual Powder Spray Gun



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



WARNING: Turn off the spray gun and ground the spray gun electrode before performing the following tasks. Failure to observe this warning could result in a severe shock.

Resistor Removal

1. Shut off the controller power switch.
2. See Figure 1. Unscrew the retaining nut (3) and nozzle (2) assembly from the spray gun.
3. Pull the tubing adapter (1) from the powder tube.

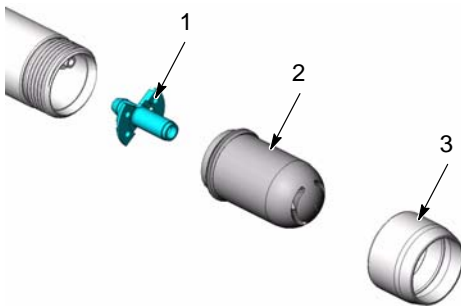


Figure 1 Remove the Nozzle and Retaining Ring

4. See Figure 2. Unscrew the locking knob (4) on the gun adapter (5) and pull the powder tubing out through the gun adapter.

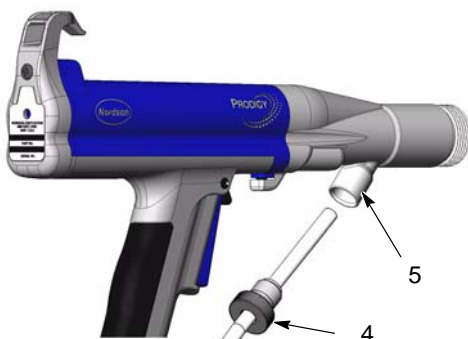


Figure 2 Disconnecting the Powder Tubing

5. See Figure 3. Loosen the set screw (6) in the bottom of the adapter.
6. Pull the adapter straight off the gun body (7).

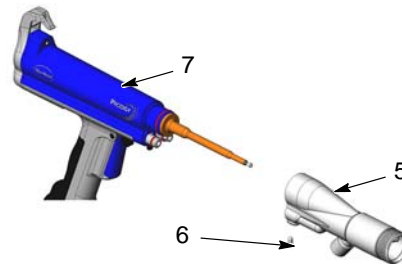


Figure 3 Removing the Adapter

7. See Figure 4. Unscrew the resistor holder (9) from the multiplier (8).

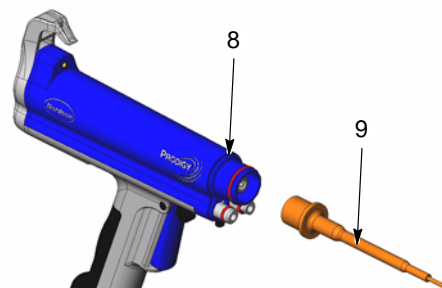


Figure 4 Removing the Resistor Holder

- See Figure 5. Remove the contact spacer (10) from the multiplier well. Wipe the dielectric grease off the contact spacer.

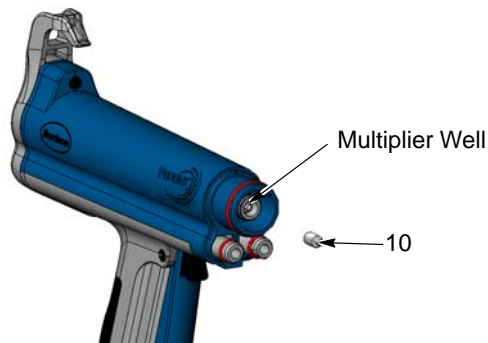


Figure 5 Removing the Contact Spacer

- See Figure 6. Remove the resistor (11) from the resistor holder (9).

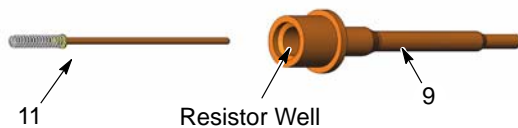


Figure 6 Removing the Resistor from the Holder

- Clean and inspect the resistor holder. Replace the holder if you find carbon tracks or pin holes.

Resistor Installation

- See Figure 6. Inject approximately 0.60 cc of dielectric grease into the resistor well.
- Insert the resistor (11) into the resistor holder (9) until it bottoms out, then fill the resistor well with approximately 0.8 cc of dielectric grease.
- See Figure 5. Insert the contact spacer (10) into the multiplier well. Fill the multiplier well with dielectric grease.
- See Figure 4. Screw the resistor holder onto the multiplier (8).
- See Figure 3. Install the adapter (5) on the gun body (7). Tighten the set screw (6).
- See Figure 2. Thread the locking knob (4) onto the end of the flexible powder tubing.
- Push the powder tubing into the gun adapter until it extends a few inches past the front of the gun opening.
- Screw in the locking knob.
- See Figure 1. Install the tubing adapter (1) into the powder tubing.
- Gently pull the powder tubing into the spray gun until the tubing adapter stops against the flange molded in the spray gun.
NOTE: The tubing adapter has two notches 180° apart to fit around the molded electrode in the spray gun.
- Install the nozzle (2) and retaining ring (3) on the spray gun.

Resistor Replacement Kit

To order parts, call the Nordson Finishing Customer Support Center at (800) 433-9319 or contact your local Nordson representative.

Part	Description
1077424	KIT, resistor holder, Prodigy, generation 2
1053912	• KIT, resistor, cable, series

Issued 9/07

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