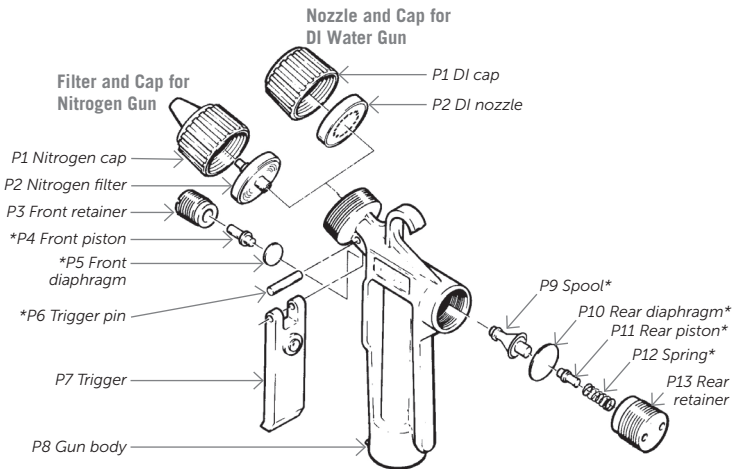


DI Water Spray Gun and Nitrogen Spray Gun

REPAIR PROCEDURE – DISASSEMBLY

1. Remove trigger (P7) from gun by pushing trigger pin (P6) out. Discard pin.
2. Remove rear retainer (P13) using repair tool. Remove spring (P12), piston (P11), rear diaphragm (P10) and spool (P9) from body. Discard piston, spring, diaphragm and spool.
3. Remove front retainer (P3) using repair tool. Remove piston (P4) and front diaphragm (P5). Discard piston and diaphragm.



*Repair kit parts

Figure 1.

REPAIR PROCEDURE—ASSEMBLY

Using new parts from parts kit:

1. Place piston (P4) in front retainer (P3).
2. Place diaphragm (P5) in the front pocket of the spray gun body (P8). Make sure part is flat in pocket seat area.
3. Place front retainer (P3) on tool. To make sure the piston does not fall out of the retainer when screwing retainer into the body, push the retainer to the side of the tool so it is not centered on tool.
4. Screw front retainer into body until hand-tight. Be careful not to tip the diaphragm while screwing retainer in.
5. Place spool (P9) into body back pocket. Make sure it is all the way in the hole.
6. Place diaphragm (P10) in body back pocket.
7. Place spring (P12) into rear retainer (P13).
8. Place piston (P11) in spring.
9. Place rear retainer assembly in back pocket and screw in until hand-tight. Be careful not to tip diaphragm while screwing retainer in.
10. Attach trigger (P7) to gun with trigger.

TEST PROCEDURE

1. Apply 80 psig air to gun and cycle several times with trigger.
2. Submerge gun under water and test for one minute. No more than four bubbles are allowed from the nozzle. Zero bubbles are allowed from the front and rear retainers.

NOTE: Turning the retainer an additional ¼ turn may eliminate any leakage found from the retainers.

ORDERING INFORMATION

Repair kit parts

ITEM	DESCRIPTION	QUANTITY
P4	Front piston	1
P5	Front diaphragm	1
P6	Trigger pin	1
P9	Spool	1
P10	Rear diaphragm	1
P11	Rear piston	1
P12	Spring	1

Repair tool kit

ITEM	DESCRIPTION	QUANTITY
213-80	Repair tool kit	1

Repair parts kit

SPRAY GUN PART NUMBER	REPAIR PARTS KIT PART NUMBER
421-42-XX	421-07
421-XX-XX	421-06

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