

296125 Air Valve Repair Kit

311332 rev.A

For repairing Model D spray gun air valve and needle valve assemblies.

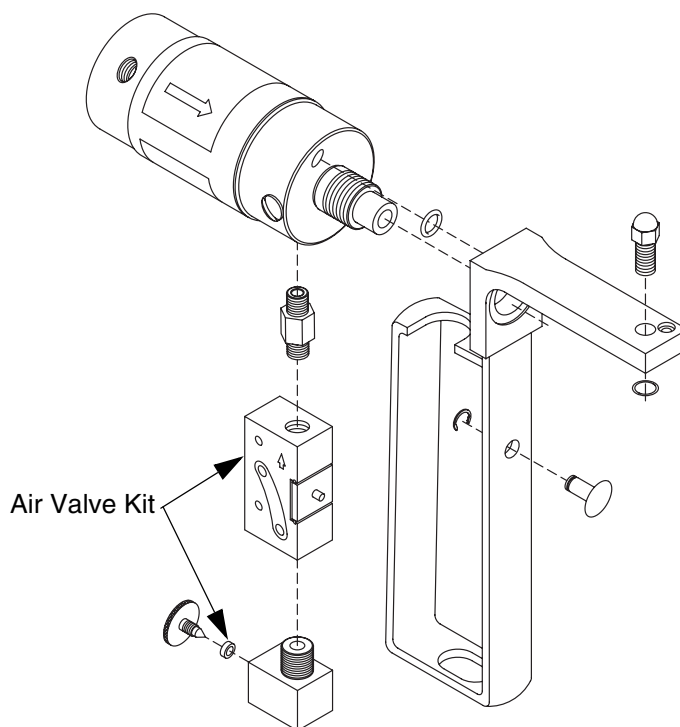
Part No. 296125

For Models 295530, 295531, 295532, and 295533.



Important Safety Instructions


Read all warnings and instructions in your gun manual. Save these instructions.



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Parts

 Numbered parts are included in kit. All other parts are labeled for reference only.

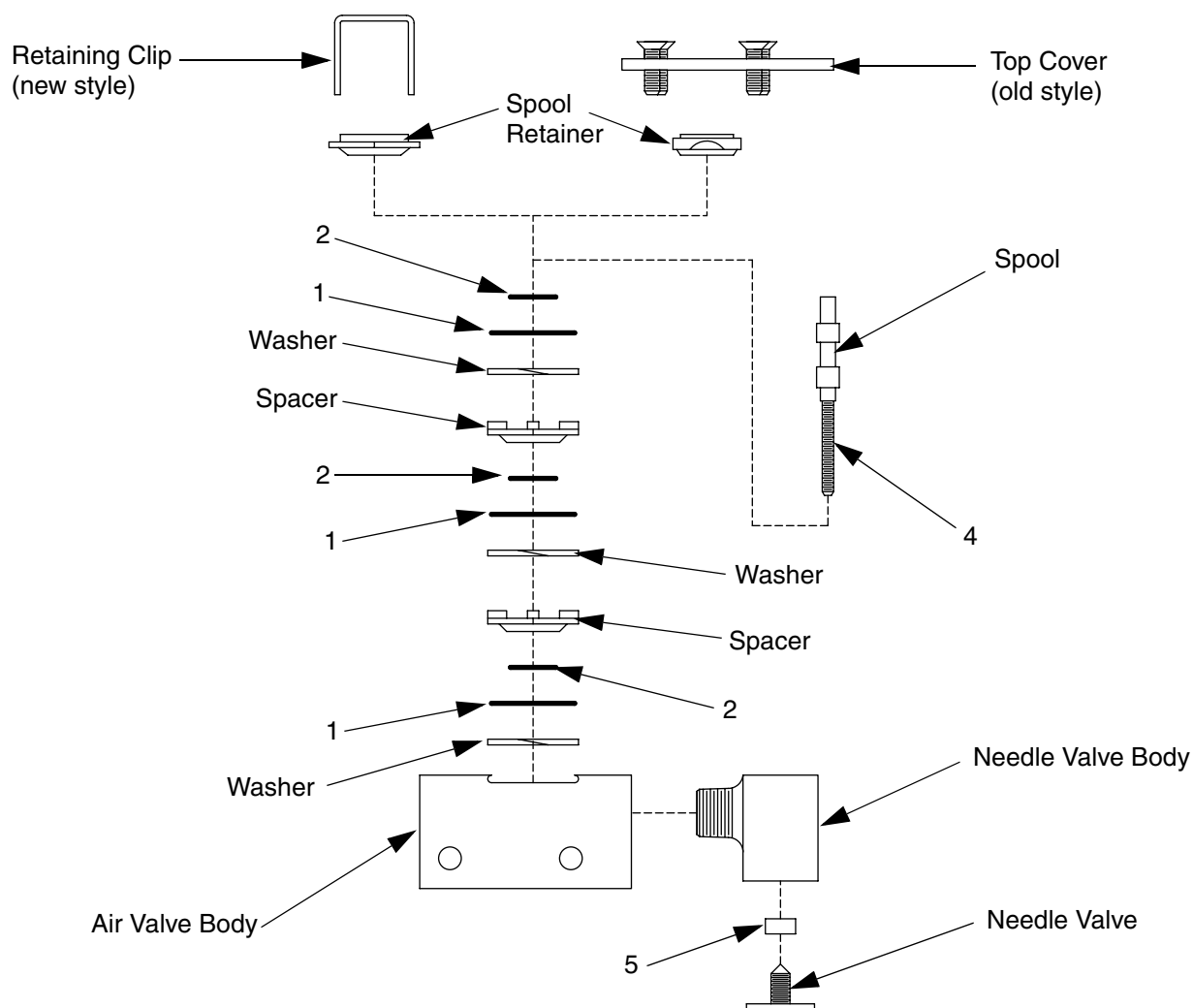



FIG. 1: Air Valve Repair Kit

Ref. No.	Part No.	Description	Qty.
1	106555	PACKING, o-ring, large, Viton®	3
2★	106560	PACKING, o-ring, small, Viton®	3
	C20988	PACKING, o-ring, small, Viton®	3
4	297023	SPRING, valve	1
5	295405	PACKING, valve, needle	1

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★ *There are 2 different size small o-rings included in this kit to accommodate either the new or old style air valve. Use the appropriate one for your air valve and discard the other.*

Repair

						
Before beginning, follow the Pressure Relief Procedure in your separate gun instruction manual.						

Disassembly


1. Remove air valve and air needle assemblies from gun. See Model D Spray Gun manual 311320 for reference.
2. Old style air valves: remove top cover and 4 screws holding spool retainer in place.
3. New style air valves: slide retaining clip out of groove formed by top of spool retainer and air valve body.
4. Remove all internal valve parts from air valve body. Remove small o-ring (2) and large o-ring (1) from bottom face of spool retainer and spacers. Retain small o-rings (2) for reference during reassembly.
5. Remove and discard valve spring (4) from spool.
6. Remove needle valve from needle valve body.
7. Remove needle valve packing (5) and discard.
8. Thoroughly clean all remaining parts and retain for reassembly.

Reassembly

CAUTION

To prevent air valve damage and malfunction, reassemble internal parts in correct order as provided.
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1. Insert one washer into air valve body.

 There are 2 different size small o-rings included in this kit to accommodate either the new or old style air valve. Use the appropriate one for your air valve and discard the other.

2. On bottom face of spacer, note circular rim around center hole. Place one small o-ring (2) into inside of rim and one large o-ring (1) around outside of rim.
3. Insert spacer with o-rings into air valve body; ensure o-rings make contact with washer already in place.
4. Repeat steps 1-3 with another washer, spacer, and o-rings (1 and 2).
5. Insert last washer into air valve body, followed by the spool with new valve spring (4). Place remaining two o-rings (1 and 2) in correct positions on spool retainer. Install spool retainer over spool and into air valve body.
6. Ensure all parts are properly seated against one another to prevent leaks.
7. Old style air valves: install top cover and four screws over spool retainer. Do not overtighten screws.
8. New style air valves: slide retaining clip into groove formed by top of spool retainer and air valve body.
9. Insert new needle valve packing (5) into needle valve body.
10. Install needle valve into needle valve body.
11. Reassemble gun as required. See Model D Spray Gun manual 311320 for reference.

Notes



A series of horizontal lines for writing notes.

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MM 311332A

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Printed in USA 311332A

Rev. 1/2006