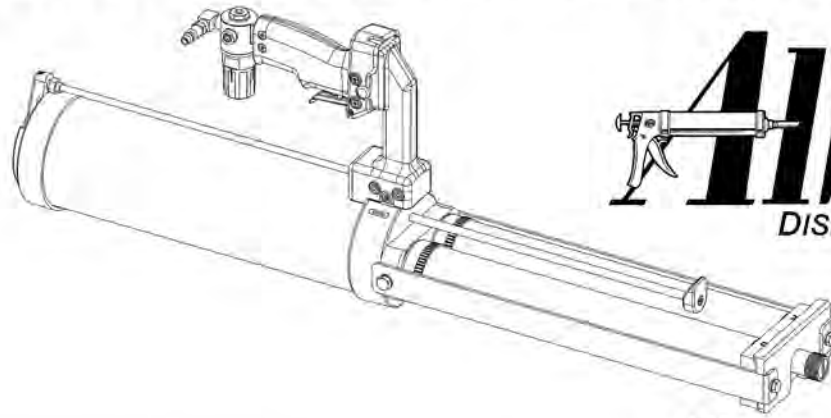
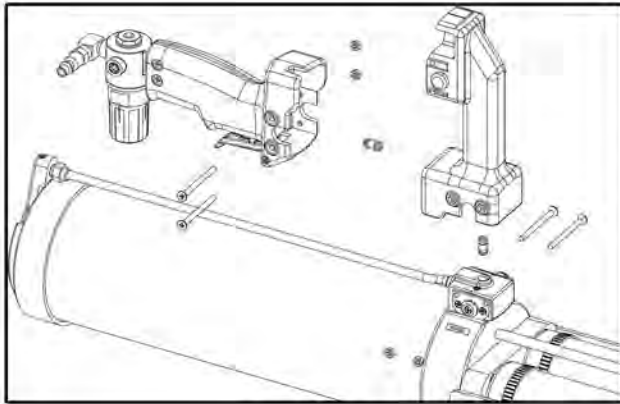


AT1200S HANDLE ASSEMBLY INSTRUCTIONS

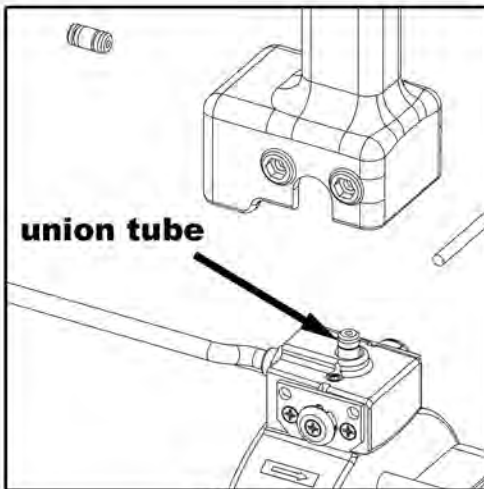


Albion[®]
DISPENSING SOLUTIONS

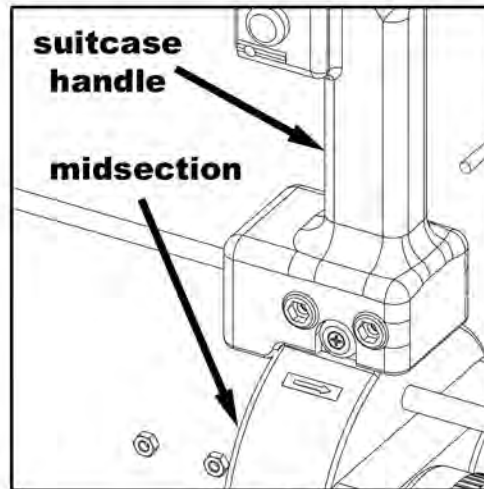
Steps



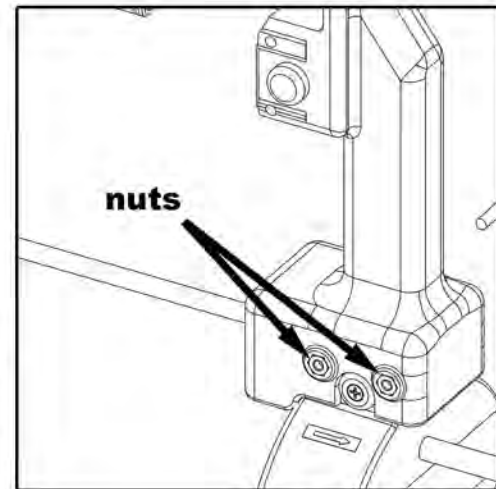
1. Insert Union Tube into midsection. Lube o-rings with supplied grease.
2. Insert suitcase handle onto midsection.
3. Place nuts into hex shapes in handle.
4. Insert screws and tighten into nuts.
5. Insert Union Tube into suitcase handle. Lube o-rings with supplied grease.
6. Attach main handle onto suitcase handle using screws and nuts. This process is the same as steps 3 & 4.



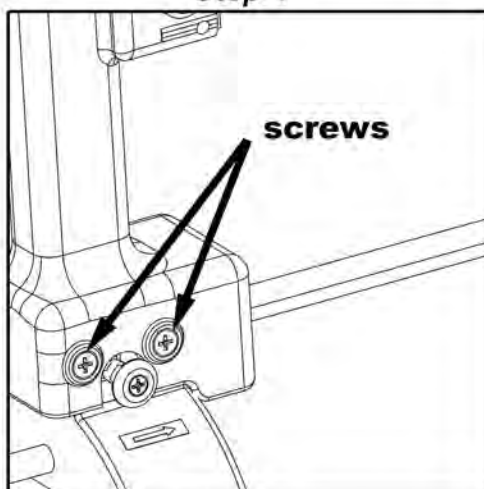
Step 1



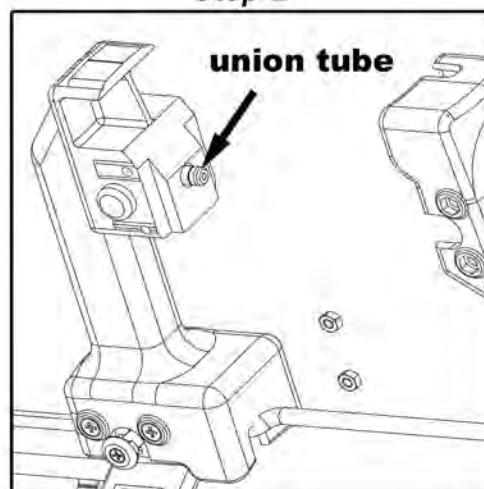
Step 2



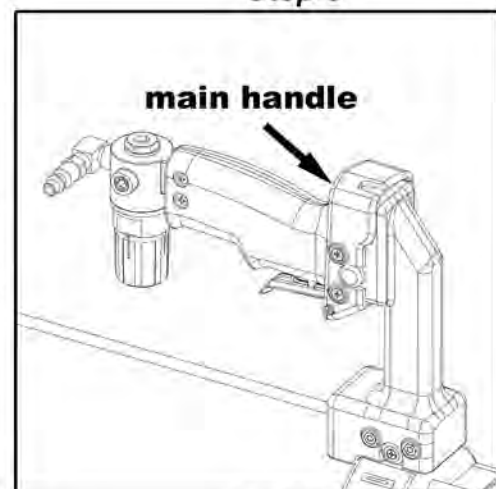
Step 3



Step 4

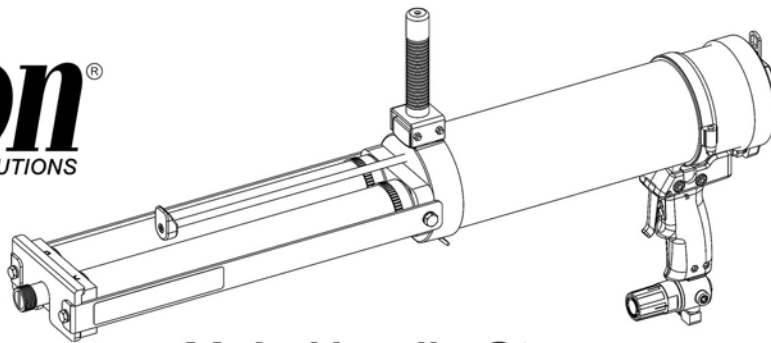


Step 5

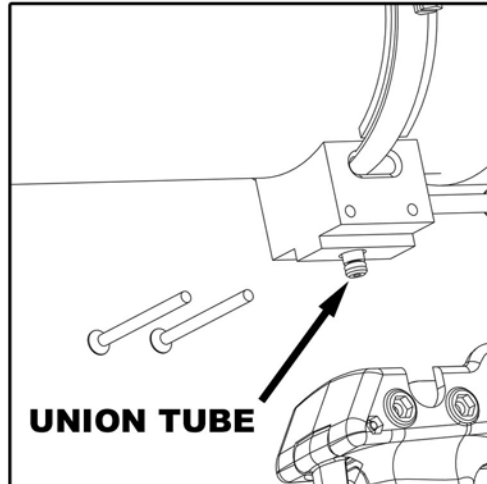
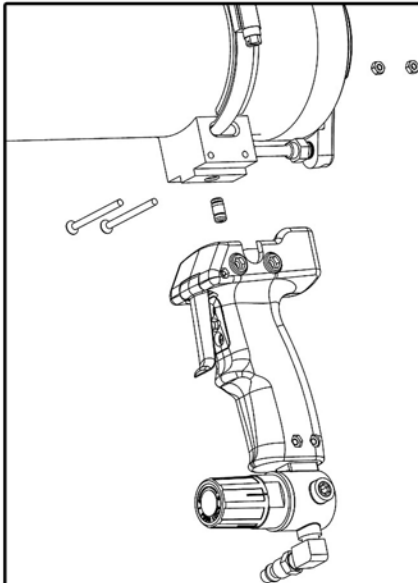


Step 6

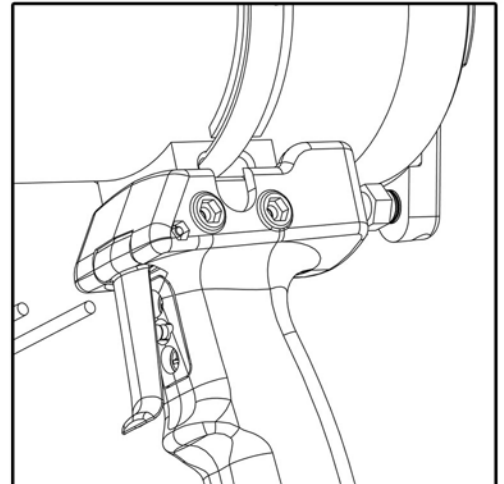
AT1200S-2 HANDLE ASSEMBLY INSTRUCTIONS



Main Handle Steps

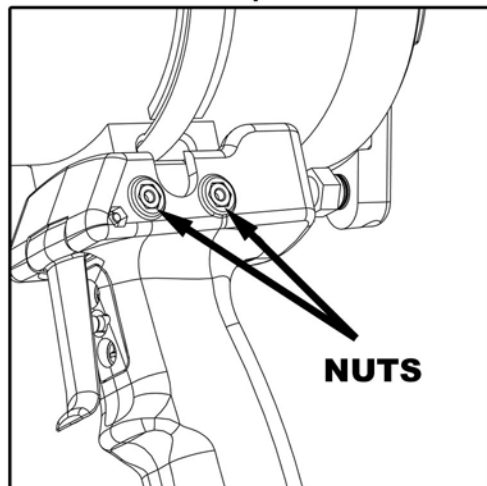


Step 1

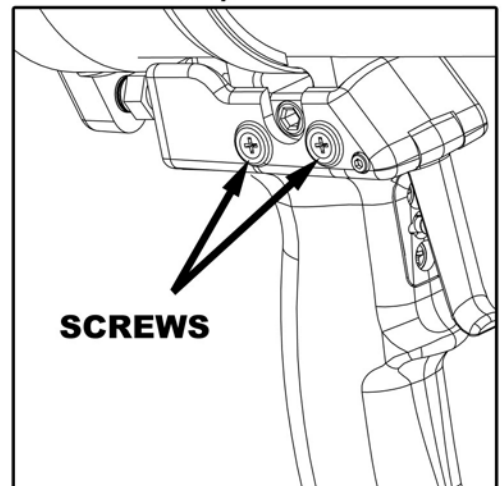


Step 2

1. Insert Union Tube into bracket. Lube o-rings with supplied grease.
2. Insert handle onto bracket.
3. Place nuts into hex shapes in handle.
4. Insert screws and tighten into nuts.

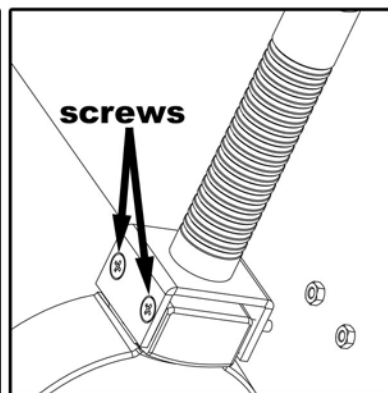
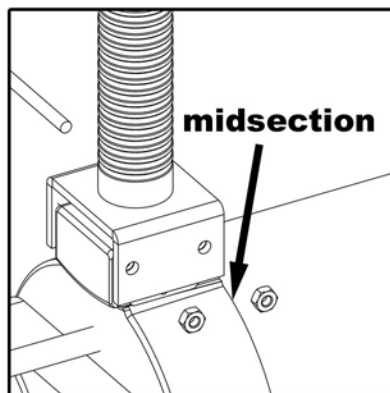
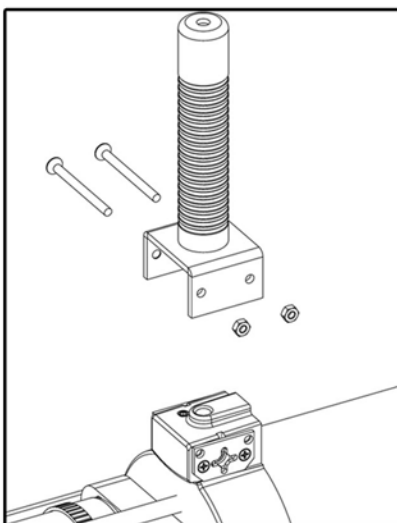


Step 3



Step 4

Top Handle Steps



1. Line up top handle with holes in midsection.
2. Insert screws through bracket & midsection then tighten nuts.

AT1200S & AT1200S-2 Operating Instructions

Safety

- 150 psi maximum operating pressure.
- Do not drop or let anything drop on the applicator.
- Do not damage or polish the piston rods.
- Store in a clean dry environment.
- Eye protection must be worn at all times when the applicator is in operation.
- Do not point the applicator at anyone while the tool is in operation.
- Do not place any part of your body either inside or in front of the material chambers while the applicator is connected to an air supply.
- Read the material safety data sheets (MSDS) on the material being used.

Cleaning

Keeping the applicator clean is important for long life and trouble free operation. Due to the tool's rugged construction, most solvents can be used to remove material. It is not recommended to immerse the tool in a cleaning agent, as this may adversely affect the internal seals of the applicator. Special care should be taken to ensure no material residue is left on the piston rods.

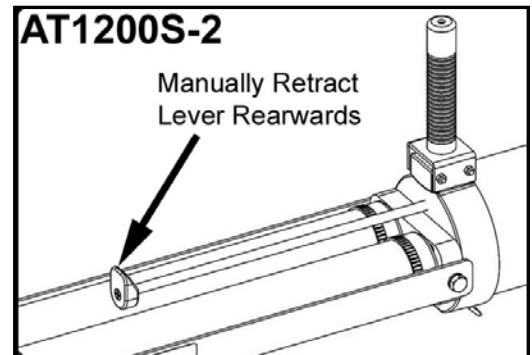
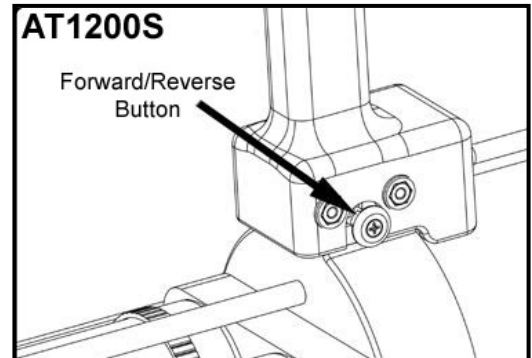
General dispensing instructions

Note: It is highly recommended that you advance and retract the pistons in an empty applicator until you are comfortable with its operation.

The dispensing rate of the applicator is determined by the air pressure used. It is advised to begin at the lowest pressure setting and adjust the pressure to your desired speed.

To load twin sausage packs into the chamber:

1. Retracting the piston rods:
 - a. **AT1200S model:** Retract piston rods by switching the forward/reverse button and then actuate the trigger to allow the piston rods to travel back into the barrel.
 - b. **AT1200S-2 model:** Retract piston rods by manually retracting the lever on the external rod to allow the piston rods to travel back into the barrel.
2. Rotate the swivel carriage out of the way so the aluminum manifold can be removed from the twin chambers.
3. Remove front retainer from sausages and insert sausages into the barrel with their opening facing towards the outside of the chambers. Note: ensure that the same sausage material is inserted into the same chamber every time to prevent a clogged system.
4. Insert aluminum manifold into the chambers until the flat portion of the manifold butts up to the barrel ends. Note: ensure that the manifold is inserted into the same chamber every time to prevent a clogged system.
5. Rotate swivel carriage over manifold so that its face sits evenly with the manifold face. Note: when dispensing, the chamber section of the manifold should not have a gap of more than 1/16" past the face of the barrel, as material leakage may result. The chambers can be adjusted by rotating them until the correct distance is achieved.



To dispense twin sausage packs:

1. Insert a static mixer onto the manifold. The manifold accepts standard 3/4NPS and NPT type threads.
2. With the regulator at low pressure, switch the forward/reverse button to the forward position (on the AT1200S model) and then actuate the trigger to allow the rods to travel forward to ensure the sausages are dispensing properly. Do not apply adhesive to the work area until the proper mixture is exiting the static mixer.
3. Lower the applicator to the desired work area and actuate the trigger and increase the air pressure while dispensing material until the desired dispensing rate is achieved.
4. While dispensing, note that the indicator rod is also advancing. When the sausages are empty, release the trigger to exhaust the air pressure within the tool.
5. Remove the empty sausages from the chambers by rotating the swivel carriage and removing the manifold. Actuate the trigger to remove the empty sausages.

REVISIONS
 DESCRIPTION
 ADD NOTE 6

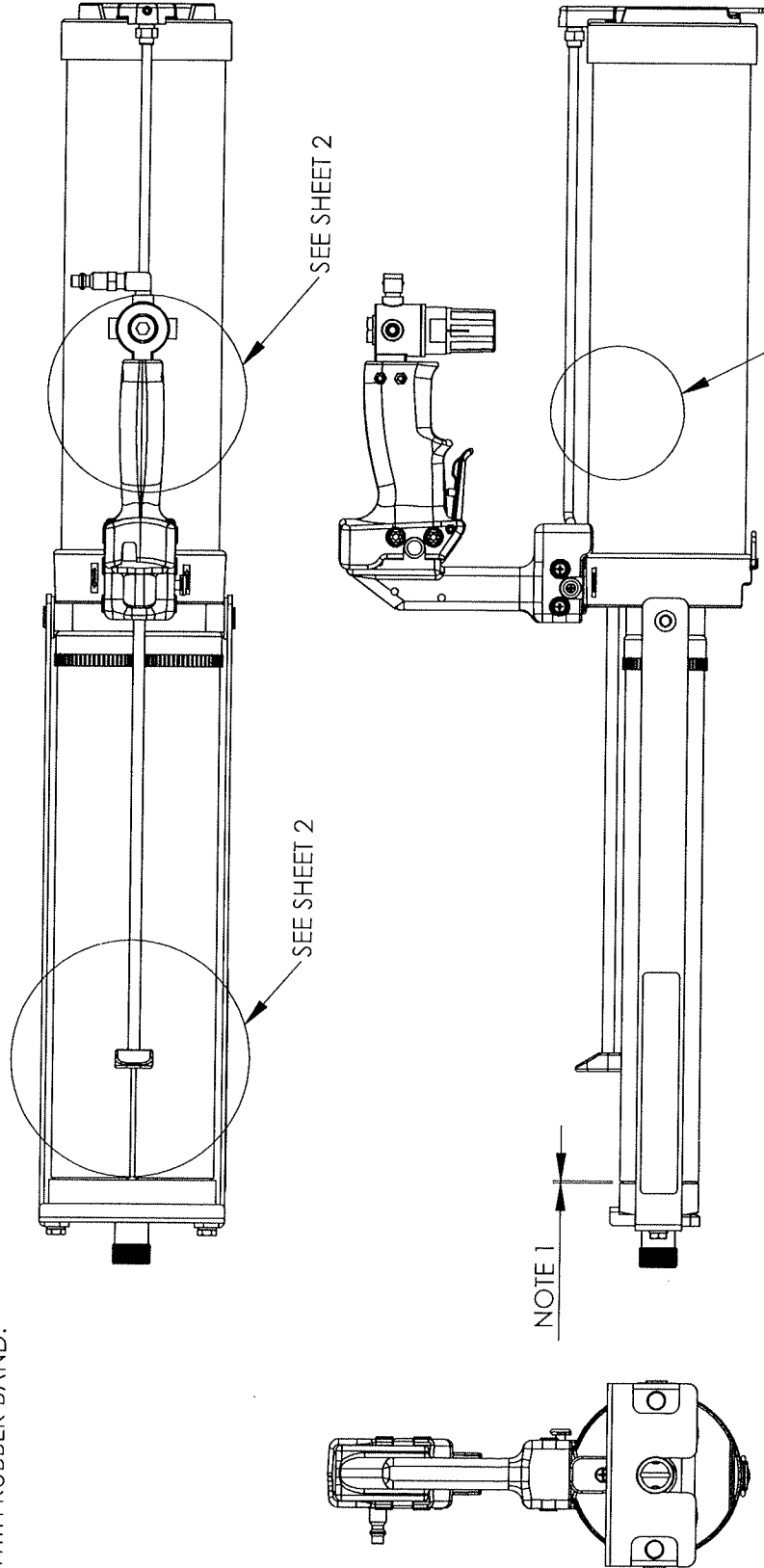
DATE
 1/14/13

APPROVED

CN REV.
 CN1297 1

NOTE:

1. WHEN ASSEMBLED THERE SHOULD BE NO MORE THAN A 1/16" GAP BETWEEN THE MANIFOLD AND BARREL END.
2. USE BLUE LOCKTITE IN THESE AREAS.
3. USE GREASE IN THESE AREAS.
4. PACKINGS SHOULD BE EVEN WITH EACH OTHER AND PULL WHEN ASSEMBLED.
5. TURN QUICK DISCONNECT TO SIDE AS SHOWN ON SHEET 5.
6. SECURE (1)501-141 INSTRUCTION SHEET AROUND BARREL WITH RUBBER BAND.



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MATERIAL
 ALBION 447 MATERIAL SPEC.
 FINISH

DATE 3/22/11
 DRAWN BJM
 APPVD GBA
 ORIGIN DSS48

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED
 FRAC. ± 1/64" ANG. ± 30' DEC. ± .005"

SIZE A
 SCALE: 1:5

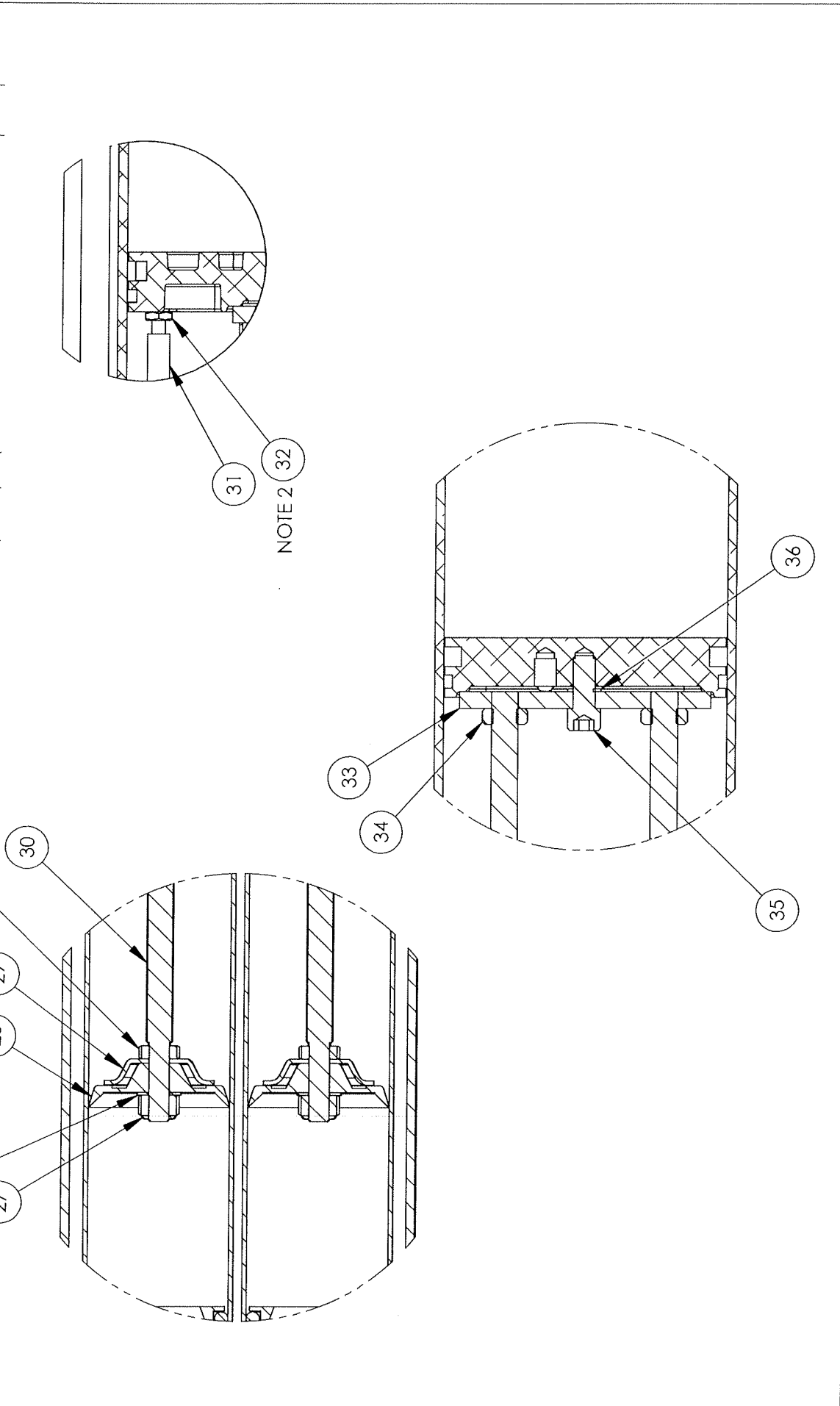
GUN, AIR, TWIN SAUSAGE
 AT1200S

Albion DISPENSING SOLUTIONS
 Albion Engineering Co.
 1250 N. Church St.
 Moorestown, NJ. 08057

DWG. NO. 954-9
 REV. 1 SHEET 1 OF 5

REV. NO.		DESCRIPTION	DATE	APPROVED
CN	1	ADD ITEM 40, ITEMS 27 & 41 WERE PART #37-12	8/21/13	

CN	REV.	DESCRIPTION	DATE	APPROVED
CN1336	1	ADD ITEM 40, ITEMS 27 & 41 WERE PART #37-12	8/21/13	

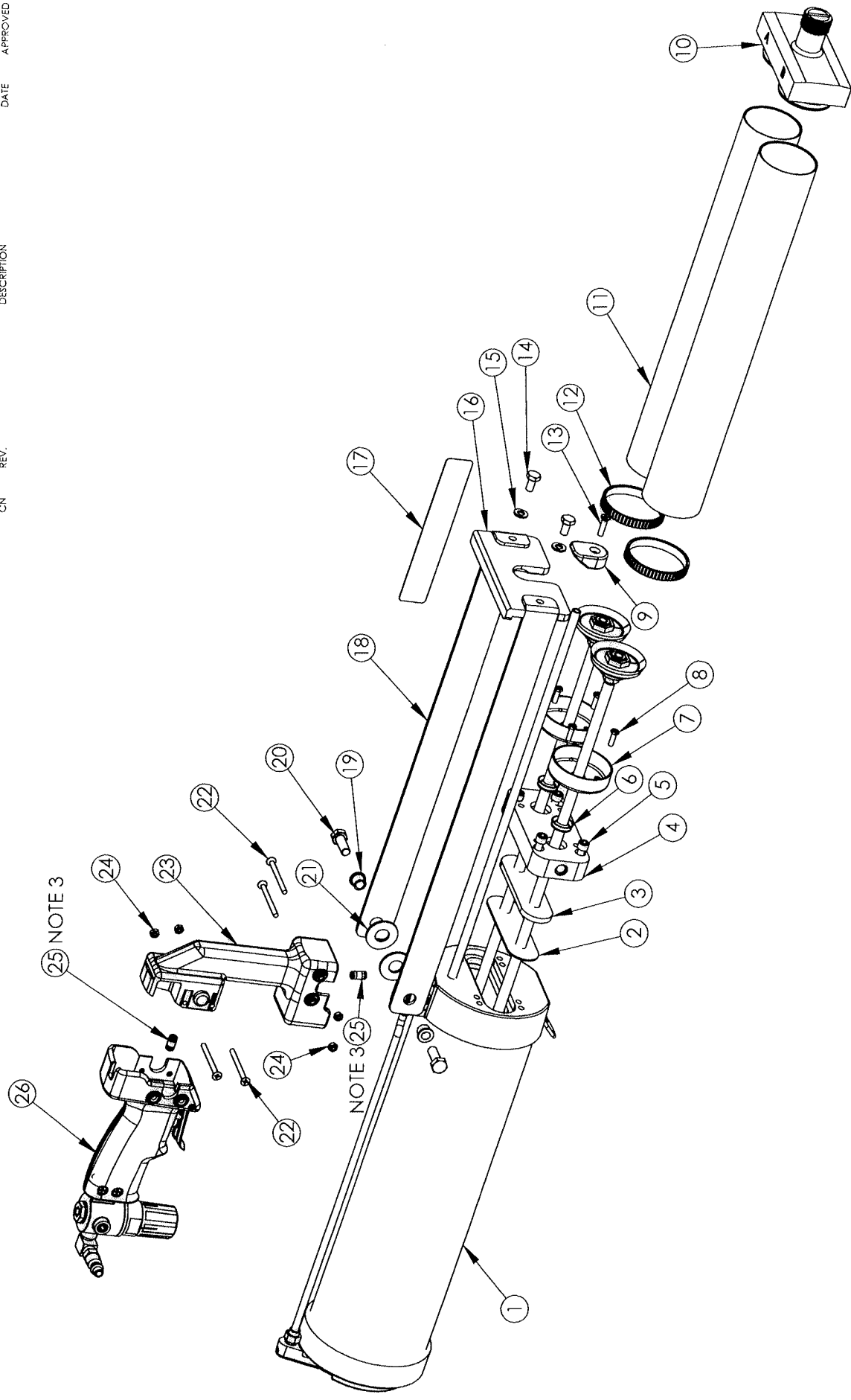


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	ALBION 447 MATERIAL SPEC FINISH	DRAWN	BJM	DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED FRAC. ± 1/64" ANG. ± 30' DEC. ± 0.05"	SCALE	1:2
		APPROVED	<i>[Signature]</i>	GUN, AIR, TWIN SAUSAGE ATT200S		
		ORIGIN	DS548	Albion DISPENSING SOLUTIONS Albion Engineering Co. 1250 N. Church St. Moorestown, NJ. 08057		
				DWG. NO.	954-9	REV. -
						SHEET 2 OF 5

REVISIONS
DESCRIPTION

DATE APPROVED

CN REV.



Albion
DISPENSING SOLUTIONS

Albion Engineering Co.
1250 N. Church St.
Moorestown, NJ. 08057

DWG. NO. 954-9
REV. 1
SHEET 3 OF 5

SIZE **A**

SCALE: 1:5

DIMENSIONAL TOLERANCES
UNLESS OTHERWISE SPECIFIED
FRA. C. ± 1/64" ANG. ± 30' DEC. ± .005"

DATE 3/22/11

DRAWN BJM

APPROVED *[Signature]*

ORIGIN DS548

GUN, AIR, TWIN SAUSAGE
AT1200S

PROPRIETARY AND CONFIDENTIAL

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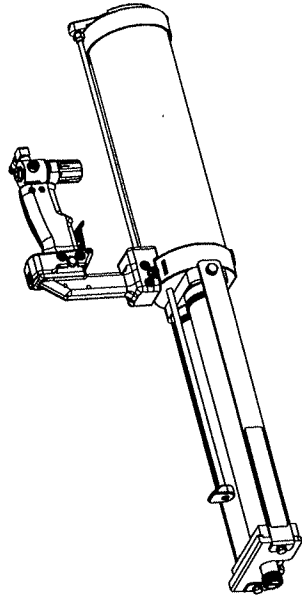
MATERIAL ALBION 447 MATERIAL SPEC.

FINISH

NOTE 3

NOTE 3/25

ITEM #	PART #	DESCRIPTION	QTY
1	955-7	DRIVE ASSEMBLY	1
2	972-4	ROD GASKET	1
3	972-5	ROD LOCATOR	1
4	972-1	BACK PLATE	1
5	10-98	1/4-20 SOCKET HEAD SCREW	4
6	534-1	U-CUP	2
7	2-28	BACK CAP	2
8	10-73	10-32 HEX HEAD SCREW	4
9	972-3	PULL INDICATOR ROD	1
10	645-G05	MANIFOLD	1
11	237-37	BARREL	2
12	3-5	LOCKRING	2
13	10-77	10-24 FLAT HEAD SCREW	1
14	10-57	1/4-28 HEX HEAD SCREW	2
15	39-110	WASHER	2
16	606-4	FRONT PLATE	1
17	500-538	LABEL	1
18	972-2	SIDE STRAP	2
19	512-18	PIVOT BEARING	2
20	10-97	5/16-24 HEX HEAD SCREW	2
21	512-17	BRONZE WASHER	2
22	10-103	M4 FLAT HEAD SCREW	4
23	978-62	SUITCASE HANDLE	1
24	37-43	M4 NUT	4
25	957-5	UNION TUBE	2
26	981-1	HANDLE ASSEMBLY	1
27	37-43	5/16-18 NYLOC NUT	2
28	873-6	PACKING	6
29	873-10	CONCAVE WASHER	2
30	366-59	PISTON ROD	2
31	672-3	INDICATOR ROD	1
32	37-4	10-32 NUT	1
33	652-4	ROD RETAINER	1
34	37-35	3/8-24 JAM NUT	2

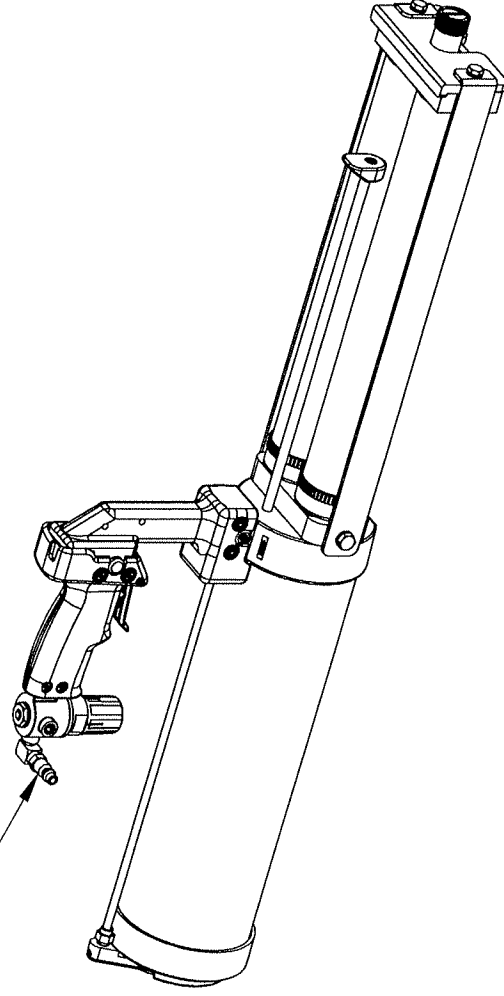


CN	REV.	DESCRIPTION	DATE	APPROVED
CN1291	1	THREAD SPEC. FOR 10-97 WAS 1/4-28	7/18/12	
CN1310	2	THREAD SPEC. FOR 10-97 WAS 5/16-18 THIS CORRECTION WAS A TYPO NOT AN UPDATE TO PART	2/6/13	
CN1336	3	ITEM 27 WAS 37-12, DELETE 1437-12 & ADD (2)37-46	8/21/13	

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	ALBION 447 MATERIAL SPEC. FINISH	DRAWN	BJM	DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED FRAC. ± 1/64" ANG. ± 30' DEC. ± .003"	SCALE	1:10
		APPROVED	<i>[Signature]</i>	GUN, AIR, TWIN SAUSAGE ATT2005		
		ORIGIN	DS548	Albion DISPENSING SOLUTIONS Albion Engineering Co. 1250 N. Church St. Moorestown, NJ. 08057		
				DWG. NO.	954-9	REV. 3
				SHEET 4 OF 5		

ITEM #	PART #	DESCRIPTION	QTY	REV.	DESCRIPTION	DATE	APPROVED
35	10-112	CAPTIVE SCREW	1	1		1/14/13	
36	978-23	RETAINER	1	1	DELETE (1)501-129 - ADD (2)501-141		
37	501-141	INSTRUCTIONS	2	2	ITEM 40 WAS 357-14, ITEM 41 WAS 357-15, DELETE (1)357-14 & (1)357-15 - ADD (2)39-111 & (2)37-42	8/21/13	
38	745	CATALOG	1				
39	500-519	BOX LABEL	1				
40	39-111	WASHER	2				
41	37-42	5/16-18 JAM NUT	2				
42	357-55	MAIN BOX	1				

NOTE 5

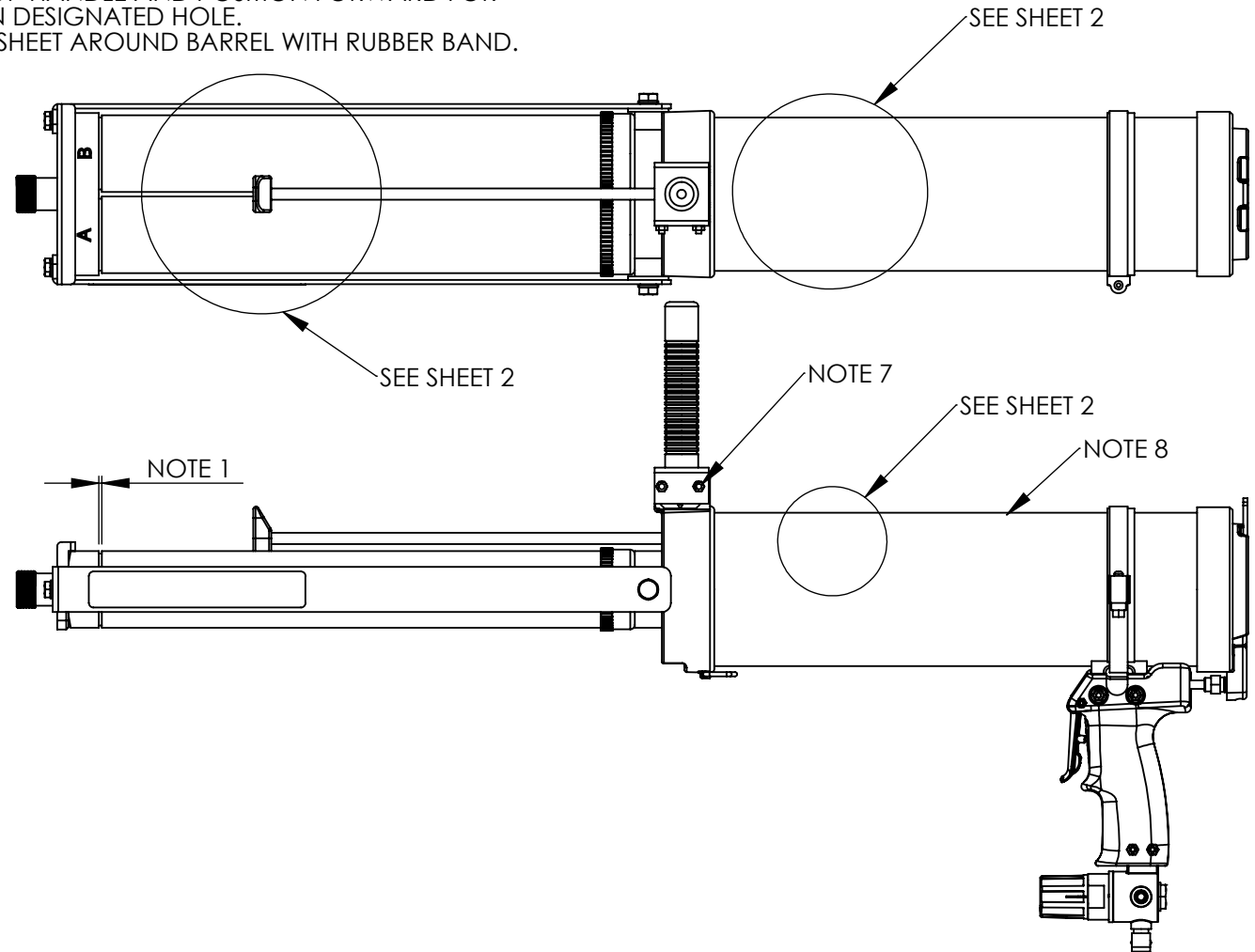



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	ALBION 447 MATERIAL SPEC. FINISH	DRAWN	BJM		SCALE: 1:6
	APPROVED	ORIGIN	DS548	GUN, AIR, TWIN SAUSAGE AT1200S	
				DWG. NO.	954-9
				REV.	2
				SHEET 5 OF 5	
Albion DISPENSING SOLUTIONS Albion Engineering Co. 1250 N. Church St. Moorestown, NJ. 08057					

NOTE:

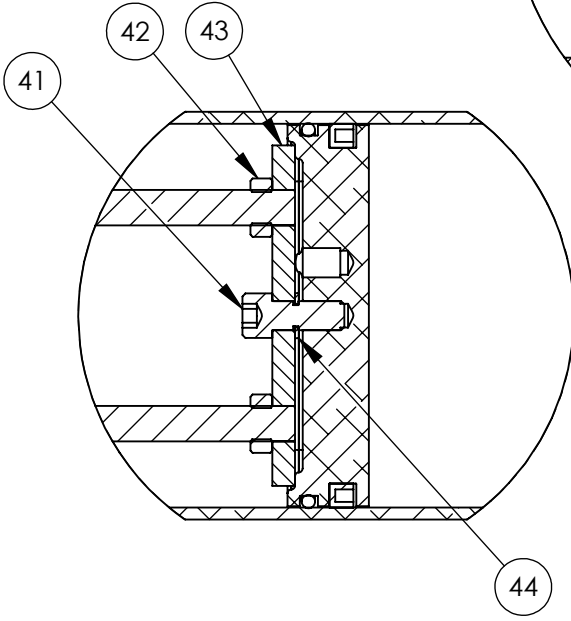
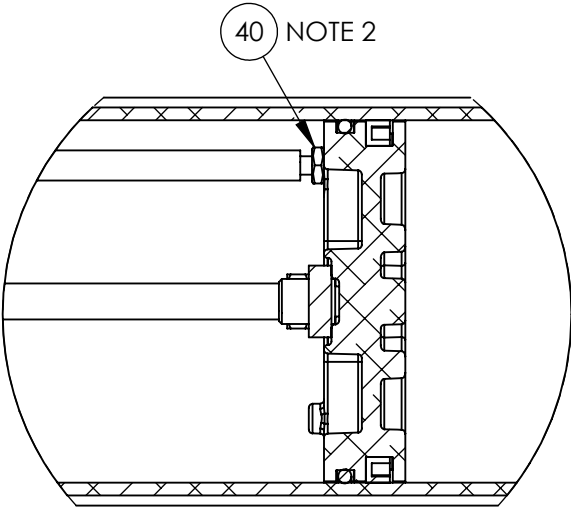
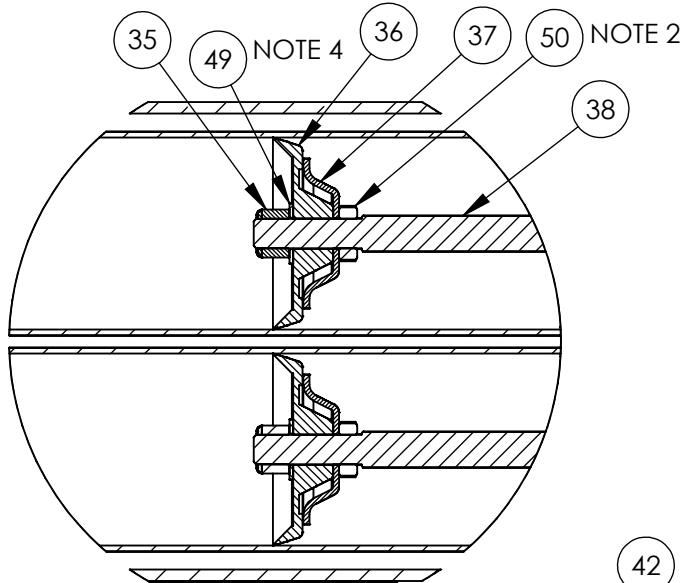
1. WHEN ASSEMBLED THERE SHOULD BE NO MORE THAN A 1/16" GAP BETWEEN THE MANIFOLD AND BARREL END.
2. USE BLUE LOCKTITE IN THESE AREAS.
3. USE GREASE IN THESE AREAS.
4. PACKINGS SHOULD BE EVEN WITH EACH OTHER AND PULL WHEN ASSEMBLED.
5. TURN QUICK DISCONNECT TO SIDE AS SHOWN ON SHEET 5.
6. HANDLE SHOULD NOT TURN, USE GLUE IF NECESSARY.
7. DISSASSEMBLE BACK SCREW OF TOP HANDLE AND POSITION FORWARD FOR SHIPPING. PLACE SCREW BACK IN DESIGNATED HOLE.
8. SECURE (1)501-141 INSTRUCTION SHEET AROUND BARREL WITH RUBBER BAND.

		REVISIONS			
CN	REV.	DESCRIPTION	DATE	APPROVED	
DS548	1	PRODUCTION RELEASE	3/21/11		
CN1297	2	ADD NOTE 8	1/14/13		



<p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ALBION ENGINEERING CO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ALBION ENGINEERING CO. IS PROHIBITED.</p>	MATERIAL	DATE	3/21/11	DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED FRAC. ±1/64" ANG. ±30' DEC. ±.005"	SIZE	A	 Albion Engineering Co. 1250 N. Church St. Moorestown, NJ. 08057			
	ALBION 447 MATERIAL SPEC. -----	DRAWN	BJM		SCALE:1:5					
	FINISH SEE INDIVIDUAL COMPONENT DRAWINGS	APP'VD	ORIGIN	DS548	GUN, AIR, TWIN SAUSAGE AT1200S-2		DWG. NO.	954-21	REV.	2

CN		REV.	DESCRIPTION	DATE	APPROVED
CN1336	1		ADD ITEM 49 - ITEMS 35 & 50 WERE PART #37-12	8/20/13	



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MATERIAL	DATE	3/21/11
ALBION 447 MATERIAL SPEC.	DRAWN	BJM
FINISH	APP'VD	
	ORIGIN	DS548

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED
 FRAC. $\pm 1/64"$ ANG. $\pm 30'$ DEC. $\pm .005"$

SIZE **A**
 SCALE: 1:2

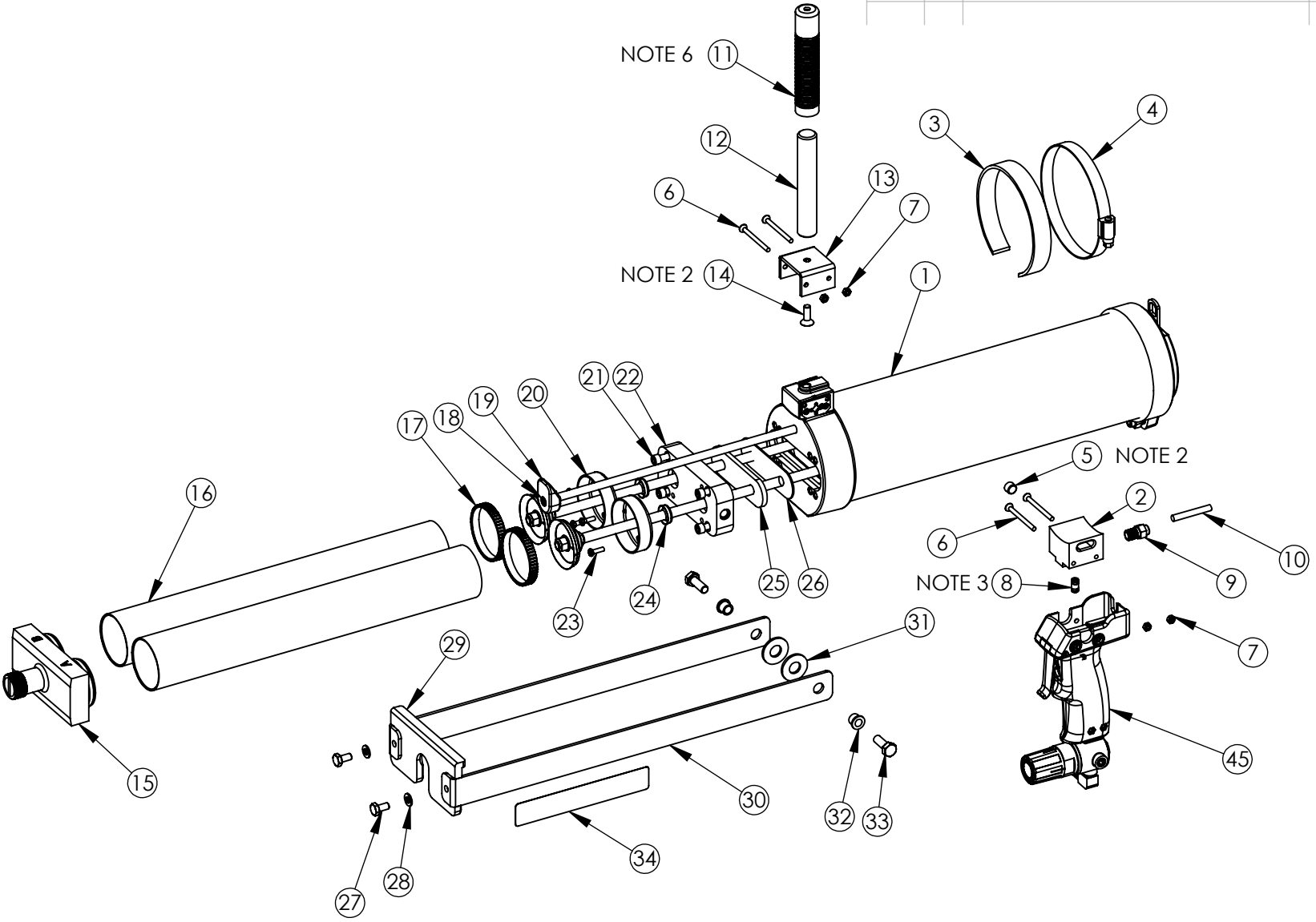
**GUN, AIR, TWIN SAUSAGE
 AT1200S-2**

Albion DISPENSING SOLUTIONS

Albion Engineering Co.
 1250 N. Church St.
 Moorestown, NJ. 08057

DWG. NO. 954-21 REV. - SHEET 2 OF 5

CN		REV.	REVISIONS DESCRIPTION	DATE	APPROVED



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MATERIAL	DATE	3/21/11
ALBION 447 MATERIAL SPEC.	DRAWN	BJM
FINISH	APP'VD	
	ORIGIN	DS548

DIMENSIONAL TOLERANCES
UNLESS OTHERWISE SPECIFIED
FRAC. ±1/64" ANG. ±30' DEC. ±.005"

SIZE **A**
SCALE: 1:6

**GUN, AIR, TWIN SAUSAGE
AT1200S-2**

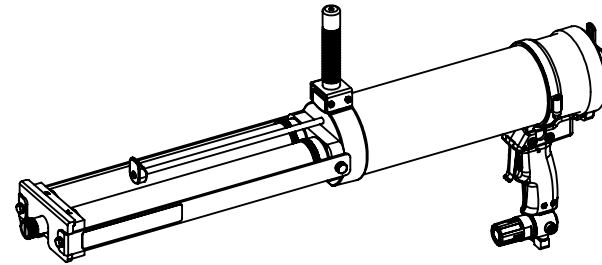
Albion
DISPENSING SOLUTIONS


Albion Engineering Co.
1250 N. Church St.
Moorestown, NJ. 08057

DWG. NO. 954-21 REV. - SHEET 3 OF 5

ITEM #	PART #	DDESCRIPTION	QTY
1	955-6	DRIVE ASSEMBLY	1
2	972-7	REAR BRACKET	1
3	972-11	GASKET	1
4	690-5	HOSE CLAMP	1
5	138-22	1/8NPT PLUG	1
6	10-103	M4 FLAT HEAD SCREW	4
7	37-43	M4 NUT	4
8	957-5	UNION TUBE	1
9	978-9	HOSE ADAPTER	1
10	994-5	TUBE	1
11	972-10	PLASTIC HANDLE	1
12	972-9	ALUMINUM HANDLE	1
13	972-8	FRONT BRACKET	1
14	10-118	1/4-28 FLAT HEAD SCREW	1
15	645-G05	MANIFOLD	1
16	237-37	BARREL	2
17	3-5	LOCKRING	2
18	10-77	10-24 FLAT HEAD SCREW	1
19	972-3	PULL, INDICATOR ROD	1
20	2-28	BACK CAP	2
21	10-98	1/4-20 SOCKET HEAD SCREW	4
22	972-1	BACK PLATE	1
23	10-73	10-32 HEX HEAD SCREW	4
24	534-1	U-CUP	2
25	972-5	ROD LOCATOR	1
26	972-4	ROD GASKET	1
27	10-57	1/4-28 HEX HEAD SCREW	2
28	39-110	WASHER	2
29	606-4	FRONT PLATE	1
30	972-2	SIDE STRAP	2
31	512-17	BRONZE WASHER	2
32	512-18	PIVOT BEARING	2
33	10-97	5/16-24 HEX HEAD SCREW	2
34	500-597	LABEL	1

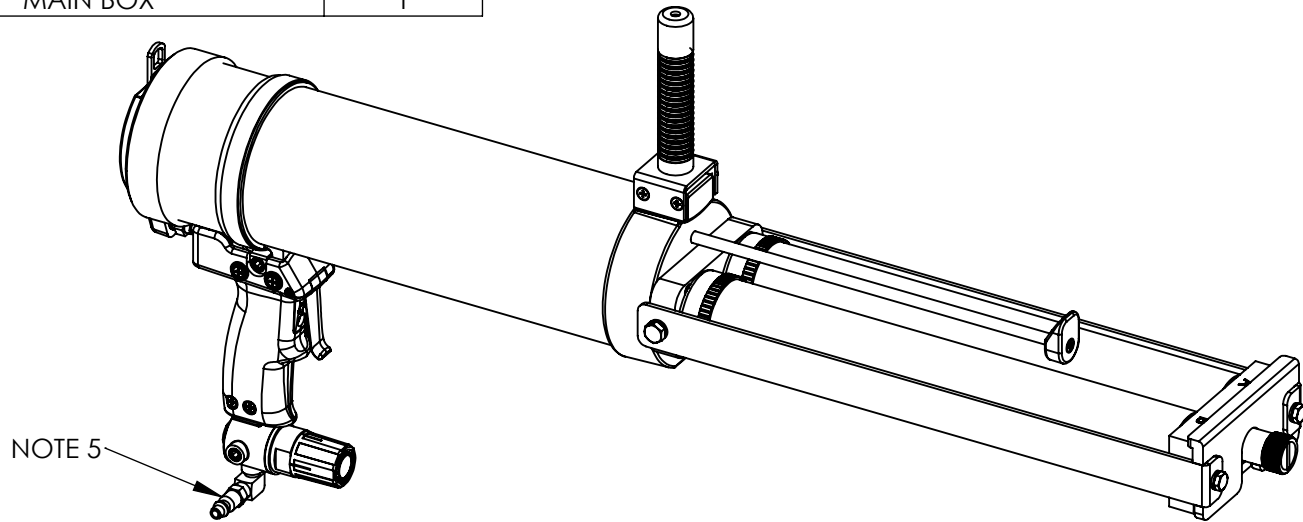
REVISIONS				
CN	REV.	DESCRIPTION	DATE	APPROVED
CN1291	1	THRED SPEC. FOR 10-97 WAS 1/4-28	7/18/12	
CN1310	2	THREAD SPEC. FOR 10-97 WAS 5/16-18 THIS CORRECTION WAS A TYPO NOT AN UPDATE TO PART	2/6/13	




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	ALBION 447 MATERIAL SPEC.	DRAWN	BJM		SCALE:1:10				
	FINISH	APPVD		GUN, AIR, TWIN SAUSAGE AT1200S-2	DWG. NO.	954-21		REV.	2
	-----	ORIGIN	DS548						SHEET 4 OF 5

ITEM #	PART #	DESCRIPTION	QTY
35	37-46	5/16-18 NYLOC NUT	2
36	873-6	PACKING	6
37	873-10	CONCAVE WASHER	2
38	366-59	PISTON ROD	2
39	672-3	INDICATOR ROD	1
40	37-4	10-32 NUT	1
41	10-112	CAPTIVE SCREW	1
42	37-35	3/8-24 JAM NUT	2
43	652-4	ROD RETAINER	1
44	978-23	RETAINER	1
45	981-1	HANDLE ASSEMBLY	1
46	501-141	INSTRUCTIONS	2
47	745	CATALOG	1
48	500-519	BOX LABEL	1
49	39-111	WASHER	2
50	37-42	5/16-18 JAM NUT	2
51	357-55	MAIN BOX	1

REVISIONS				
CN	REV.	DESCRIPTION	DATE	APPROVED
CN1297	1	DELETE (1)500-129 - ADD (2)500-141	1/14/13	
CN1336	2	ITEM 35 WAS 37-12, ITEM 49 WAS 357-14, ITEM 50 WAS 357-15 DELETE (4)37-12, (1)357-14 & (1)357-15 - ADD (2)37-42, (2)37-46 & (2)39-111	8/20/13	



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	ALBION 447 MATERIAL SPEC.	DRAWN	BJM		SCALE:1:5			
	FINISH	APP'VD	GUN, AIR, TWIN SAUSAGE AT1200S-2		DWG. NO.	954-21	REV.	1
	-----	ORIGIN			DS548	SHEET 5 OF 5		