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PART NUMBER	REV	FIRST USED	TERMINALS APPLIED
1852892-1	A	AOM / CLS	520971, 521583, 1969109, 1969283 521282, 521716, 521347
1852892-2	A	K UNIT	
1852892-3	A	G UNIT	
1852892-4	A	AOM / CLS	521087 
1852892-5	A	K UNIT	
1852892-6	A	G UNIT	
1852892-7	A	KOMAX	520971, 521282, 521583 521716, 521347, 1969109, 1969283 
7-1852892-7	A	SPARE PARTS KIT	

-  RECOMMENDED SPARE PARTS.
-  ITEMS NOT SHOWN ON ASSEMBLY.
-  TOLERANCE ON CUT LENGTH TO BE ± 1.3 .
-  USED ON THE CLS I AND II MACHINES ONLY. REMOVE THE TWO MOUNTING SCREWS SECURING THE PRODUCT DEREELEER AND PLACE THE PRODUCT GUIDE (ITEM 111) ON TOP OF THE MOUNTING BRACKET. REASSEMBLE AND RETIGHTEN THE TWO MOUNTING SCREWS.
-  ITEM 127 "T" TERMINATING UNIT CONVERSION KIT 856399-1 CONVERTS APPLICATOR 852500-2 TO A 852500-1.
-  ITEM 128 AOM 4A FEED SIDE CONVERSION KIT 856875-1 CONVERTS AN AOM TO RUN APPLICATOR 852500-1.
-  ITEM 129 "K" TERMINATING UNIT CONVERSION KIT 856398-1 CONVERTS APPLICATOR 852500-1 TO A 852500-2.
-  ADJUSTING THE VALVES (ITEMS 40 AND 47).

8a. FOR 852500-1 ASSEMBLY ONLY.

MAKE SURE THE CAM VALVE (ITEM 84) IS IN THE FULLY DOWN POSITION BEFORE PLACING THE RAM BACK INTO THE APPLICATOR. INSTALL THE APPLICATOR INTO A "T" TERMINATING UNIT, TURNING THE POWER TO THE UNIT OFF WHILE ALLOWING THE AIR TO REMAIN ON. MANUALLY CYCLE THE UNIT, PRODUCT MUST NOT BE PRESENT IN THE APPLICATOR, SO THAT THE RAM IS AT DEAD BOTTOM OF ITS STROKE. LOOSEN THE FOUR SCREWS SECURING THE VALVES (ITEMS 40 AND 47) AND SLOWLY RAISE THE RAM UPWARD UNTIL THE INSULATION CRIMPER LEG (ITEM 78) IS IN THE CENTER OF THE INSERTER (ITEM 18). ADJUST THE LOWER VALVE (ITEM 47) SO IT IS ON THE LOWER LOBE OF THE CAM VALVE (ITEM 84) AND IS ACTUATED, THEN RETIGHTEN THE TWO MOUNTING SCREWS. THIS VALVE WILL CAUSE THE INSERTION CYLINDER TO EXTEND, INSERTING THE HOUSING ONTO THE TERMINATED PRODUCT.

CONTINUE RAISING THE RAM, STOPPING JUST BEFORE TOP DEAD CENTER. NOW POSITION THE UPPER VALVE (ITEM 40) SO IT IS ON THE UPPER LOBE OF THE VALVE CAM (ITEM 84) AND IS ACTUATED, THEN RETIGHTEN THE TWO MOUNTING SCREWS. THIS VALVE WILL CAUSE THE INSERTION CLYINDER TO RETRACT AFTER THE HOUSING IS APPLIED. COMPLETE THE THE UNIT CYCLE TO TOP DEAD CENTER.

CHECK THE ADJUSTMENTS JUST MADE BY PUTTING PRODUCT INTO THE APPLICATOR AND CYCLING THE UNIT UNDER POWER A FEW TIMES AND VERIFY THAT THE CURRENT SETTINGS ARE CORRECT. IF ADJUSTMENTS MUST BE MADE TURN OFF POWER TO THE UNIT, REMOVE ANY PRODUCT AND FOLLOW THE STEPS ABOVE.

NOTE: UNDER MANUAL MODE DAMAGE TO THE HOUSINGS WILL OCCUR WHEN PRODUCT IS APPLIED TO THE APPLICATOR DUE TO TIMING, THIS IS AN ENGINEERED INTERFERENCE AND WILL BE CORRECTED UNDER POWER OF THE UNIT.

8b. FOR 852500-2 ASSEMBLY ONLY.

MAKE SURE THE CAM VALVE (ITEM 84) IS IN THE FULLY UP POSITION BEFORE PLACING THE RAM BACK INTO THE APPLICATOR. INSTALL THE APPLICATOR INTO A "K" TERMINATING UNIT, TURNING THE POWER TO THE UNIT OFF WHILE ALLOWING THE AIR TO REMAIN ON. MANUALLY CYCLE THE UNIT, PRODUCT MAY BE PRESENT IN THE APPLICATOR, SO THAT THE RAM IS AT DEAD BOTTOM OF ITS STROKE. LOOSEN THE FOUR SCREWS SECURING THE VALVES (ITEMS 40 AND 47) AND SLOWLY RAISE THE RAM UPWARD UNTIL THE INSULATION CRIMPER LEG (ITEM 78) CLEARS THE INSERTER BY .03 $\pm$.03. ADJUST THE LOWER VALVE (ITEM 47) SO IT IS ON THE LOWER LOBE OF THE CAM VALVE (ITEM 84) AND IS ACTUATED, THEN RETIGHTEN THE TWO MOUNTING SCREWS. THIS VALVE WILL CAUSE THE INSERTION CYLINDER TO EXTEND, INSERTING THE HOUSING ONTO THE TERMINATED PRODUCT.

CONTINUE RAISING THE RAM, STOPPING JUST BEFORE TOP DEAD CENTER. NOW POSITION THE UPPER VALVE (ITEM 40) SO IT IS ON THE UPPER LOBE OF THE VALVE CAM (ITEM 84) AND IS ACTUATED, THEN RETIGHTEN THE TWO MOUNTING SCREWS. THIS VALVE WILL CAUSE THE INSERTION INSERTION CYLINDER TO RETRACT AFTER THE HOUSING IS APPLIED. COMPLETE THE THE UNIT CYCLE TO TOP DEAD CENTER.

CHECK THE ADJUSTMENTS WITH A FEW MANUAL CYCLES OF THE PRESS TO VARIFY CLEARANCES FOR THE TOOLING AND CONTINUING TO ADJUST THE VALVES UNTIL THESE CLEARANCES ARE OBTAINED.

-  THE CYLINDER MOUNT (ITEM 31) SHOULD BE ADJUSTED VERTICALLY SO THE INCOMING PRODUCT GOES THROUGH THE STRIP GUIDES (ITEMS 60 AND 95) AND INTO THE INSERTER (ITEM 18) WITHOUT ANY OBSTRUCTIONS TO DISLODGE OR STUB ON THE HOUSINGS.

CRIMPING DATA				
PAD LETTER	CRIMP HEIGHT		WIRE SIZE	STRIP LENGTH
A	.070		#14	.281
B	.061		#16	
C	.055		#18	
D	NOT		USED	-
CRIMP	SIZE	TYPE	FEED	TERM APPL SPEC
WIRE	.110	F	.740	114-2124
INSUL	.180	0		
INSUL RANGE	WIRE RANGE		APPLICATOR INSTRUCTION SHEET	
.110-.160	18 -14		AI 8099 AI 8102	

-  LOCATE THE REAR KEYS THAT LOCATE THE APPLICATOR TO THE TERMINATING UNIT BASE PLATE. THE SOCKET HEAD CAP SCREW SECURING THE KEY CLOSEST TO THE FRONT OF THE UNIT MUST BE REPLACED WITH A BUTTON HEAD CAP SCREW (ITEM 92 OR 107). THIS CHANGE WILL NOT EFFECT ANY OTHER APPLICATOR.
-  BUTTON HEAD CAP SCREW (ITEM 92 OR 107) IS TO BE BAGGED AND SHIPPED ALONG WITH THE APPLICATOR.
-  TERMINAL 521087 REQUIRES LUBRICATOR ASSY.
-  ADD SHIM BETWEEN POD INSERTER & HOUSING IF TERMINALS HIT POD INSERTER.
14. SPRING LOADED TONKER (P/N 354853-1) MUST BE USED WHEN RUNNING THE APPLICATOR ON A LEADMAKER.
-  AIR VALVE CONVERSION KIT, KOMAX 1633069-1 CONVERTS 852500-1 UP TO & INCLUDING REV N TO A 852500-7. AIR VALVE CONVERSION KIT, KOMAX 1633069-2 CONVERTS 852500-1 REV P THRU CURRENT TO A 852500-7.
-  GRIND BOTTOM OF ITEM 46 IF IT PROTRUDES BELOW BOTTOM OF ITEM 95.

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LOC
A
DIST
66

3308-8 (3/11)

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7

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CUSTOMER ACCESSIBLE PRODUCTION DRAWING

A	RELEASED	-	-	-	
P	LTR	REVISION RECORD	DATE	DWN	APVD

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES		
		
0 PLC	± -	
1 PLC	± -	
2 PLC	± -	
3 PLC	± -	
4 PLC	± -	
ANGLES ± -		
SURFACE TEXTURE 		

DWN	05OCT2012	MATERIAL	-	HEAT TREAT	-
M.YOUNGER			-		-
CHK	05OCT2012	 TE Connectivity			
T. ELBIN					
APVD	05OCT2012				
T. ELBIN					
NAME					
ULTRA POD FLAG APPLICATOR					
SCALE	1:1	SIZE	A1	DRAWING NO	1852892
SHEET	1	OF	3	REV	A

DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)
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3308-8 (3/11)

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CUSTOMER ACCESSIBLE PRODUCTION DRAWING

12	2	-	1	-	-	-	-	-	-	980282-3	CONNECTOR, TUBING, MALE	137		
		-	18.00	-	-	-	-	-	-	IN	27319-8	TUBING, POLY-FLOW .156 OD	136	
		-	1	-	-	-	-	-	-	-	23054-1	VALVE, FLOW CONTROL	135	
		-	2	-	-	-	-	-	-	-	1424324-1	AIR LINE KIT .250 TO 4MM	134	
		-	-	1	1	1	-	-	-	-	1-465184-7	LUBRICATOR ASSY	133	
2	2	-	REF	REF	-	-	REF	-	-	679532-1	INSERT, GUARD	132		
		-	-	-	-	-	-	-	-	-	-	-	130	
7	6	-	-	-	-	REF	-	-	REF	-	856398-1	K TERM. UNIT CONV. KIT	129	
		-	-	-	-	REF	-	-	REF	-	856875-1	AOM 4A CONVERSION KIT	128	
6	5	-	-	-	-	REF	-	-	REF	-	856399-1	T TERM. UNIT CONV. KIT	127	
		-	1	1	1	1	1	1	1	-	690191-5	PLUG, NYLON	126	
3	2	-	1	1	1	1	1	1	1	-	679172-1	SPACER	125	
		-	AR	AR	AR	AR	AR	AR	AR	-	1-23419-5	SEALANT	124	
		-	1	1	1	1	1	1	1	-	19832-1	TIE, WIRE	123	
		-	27.76	27.76	27.76	27.76	27.76	27.76	27.76	IN	18912-4	HOSE, FLEXIBLE .250 OD	122	
		-	36.00	36.00	25.00	25.00	36.00	25.00	25.00	IN	27319-4	TUBE, PLASTIC .250 OD	121	
4	2	-	-	-	1	-	-	1	-	-	90647-1	GUARD, MODIFIED	120	
		-	1	1	1	1	1	1	1	-	690212-1	POST, RAM	119	
		-	1	1	1	1	1	1	1	-	461264-1	PLATE, IDENTIFICATION	117	
		-	2	2	2	2	2	2	2	-	21017-2	SCR., DRIVE #2 X .19 LG	116	
		-	1	1	1	1	1	1	1	-	22309-1	TEE, PIPE FITTING FEMALE 1/8NPT	115	
		-	1	1	1	1	1	1	1	-	22310-1	ELBOW, FEMALE 90	114	
		-	2	2	2	2	2	2	2	-	6-21000-7	SCR., SHC 8-32UNC X 1.75 LG	113	
		-	-	-	1	-	-	1	-	-	692655-5	VALVE ASSEMBLY	112	
		-	-	-	-	-	REF	-	-	REF	-	768411-1	GUIDE, PRODUCT	111
		-	1	1	1	1	1	1	1	-	856452-1	BRACKET, PNEUMATIC MOUNTING	110	
10	2	-	1	1	-	1	1	-	1	-	22374-7	VALVE, QUICK EXHAUST 1/8NPT	109	
		-	-	-	-	-	-	-	-	-	-	-	108	
		-	-	-	1	-	-	1	-	-	2-21002-2	SCR., BHC 8-32UNF X .50 LG	107	
		-	-	-	-	-	-	-	-	-	-	-	106	
		-	-	-	1	-	-	1	-	-	1-455750-3	GUARD ASSEMBLY	105	
		-	-	-	1	-	-	1	-	-	22307-1	BUSHING, PIPE, FITTING 1/4NPT	104	
		-	-	-	1	-	-	1	-	-	23791-2	TEE, PIPE, FITTING 1/4NPT	103	
		-	-	-	1	-	-	1	-	-	28580-1	FILTER, MINATURE 1/4NPT	102	
		-	-	-	2	-	-	2	-	-	22311-2	NIPPLE, CLOSE 1/4NPT	101	
		-	-	-	1	-	-	1	-	-	28582-1	LUBRICATOR 1/4NPT	100	
2	2	-	-	-	1	-	-	1	-	-	26108-1	BODY, QUICK CONNECT	99	
		-	2	2	2	2	2	2	2	-	2-21006-1	SCR., SET, SOC 4-40UNC X .25 LG	98	
		-	-	-	-	-	-	-	-	-	-	-	97	
		-	3	3	3	3	3	3	3	-	18258-3	CONN., TUBING, MALE 1/8NPT-1/4 TUBE	96	
		-	1	1	1	1	1	1	1	-	852762-1	GUIDE, REAR STRIP	95	
		-	1	1	1	1	1	1	1	-	4-21008-0	SCR., SET, SOC FT. PT. 8-32UNC X .25 LG	94	
		-	1	1	1	1	1	1	1	-	2-22278-8	SPRING, COMP. .120 DIA X .63 LG	93	
		-	-	-	-	-	-	-	-	-	-	-	92	
		-	1	1	1	1	1	1	1	-	852990-1	STRIPPER, HOUSING	91	
		-	1	1	1	1	1	1	1	-	852764-1	SHEAR, REAR	90	
1	1	-	1	1	1	1	1	1	1	-	852765-1	SPACER, LEFT SHEAR	89	
		-	1	1	1	1	1	1	1	-	690124-1	WASHER, RAM	88	
		-	1	1	1	1	1	1	1	-	690125-1	WASHER, LAMINATED	87	
		-	1	1	1	1	1	1	1	-	852771-1	BLADE, SLUG	86	
		-	5	5	5	5	5	5	5	-	2-21000-6	SCR., SHC 8-32UNC X .38 LG	85	
1	1	-	1	1	1	1	1	1	1	-	852772-1	VALVE, CAM	84	
		-	1	1	1	1	1	1	1	-	690142-1	DISC, INSULATION	83	
		-	1	1	1	1	1	1	1	-	6-690141-8	DISC, WIRE CRIMP ADJ.	82	
		-	1	1	1	1	1	1	1	-	2-455888-1	SPACER, CRIMPER	81	
		-	1	1	1	1	1	1	1	-	22281-2	SPRING, COMP. .300 DIA X 1.25 LG	80	
		-	1	1	1	1	1	1	1	-	3-21030-1	PIN, DOWEL .312 DIA X .50 LG	79	
		-	1	1	1	1	1	1	1	-	853491-1	CRIMPER, INSULATION	78	
		-	1	1	1	1	1	1	1	-	1803006-4	CRIMPER, WIRE	77	
		-	1	1	1	1	1	1	1	-	21009-6	SCR., SET, SOC 1/4-20UNC X .25 LG	76	
		-	1	1	1	1	1	1	1	-	690191-1	PLUG, NYLON	75	
1	1	-	2	2	2	2	2	2	2	-	23030-1	SCR., SET, SOC 6-32UNC X .25 LG	74	
		-	2	2	2	2	2	2	2	-	690170-1	SPRING, COMP.	73	
		-	2	2	2	2	2	2	2	-	690603-1	SPRING, ASSIST	72	
		-	2	2	2	2	2	2	2	-	23241-6	BALL, STEEL	71	
		-77	-7	-6	-5	-4	-3	-2	-1	U/M	PART NO	DESCRIPTION	ITEM NO	
QTY REQD PER ASSY									PARTS LIST					

1	-	1	1	1	1	1	1	1	-	7-21002-9	SCR., BHC 5/16-24UNF X 1.00 LG	70
	-	1	1	1	1	1	1	1	-	238009-1	BLOCK, CRIMPER SPACER	69
1	-	1	1	1	1	1	1	1	-	852779-1	STRIPPER	68
	-	1	1	1	1	1	1	1	-	1-21002-6	SCR., BHC 6-32UNC X .25 LG	67
1	-	1	1	1	1	1	1	1	-	852759-1	SLIDE, STRIPPER	66
	-	1	1	1	1	1	1	1	-	22480-5	WASHER, WAVE SPRING	65
1	-	1	1	1	1	1	1	1	-	852768-1	RAM	64
	-	1	1	1	1	1	1	1	-	856391-1	CAP, RAM	63
1	-	2	2	2	2	2	2	2	-	3-21000-9	SCR, SHC 10-32UNF X 1.00 LG	62
	-	3	3	3	3	3	3	3	-	2-21002-2	SCR., BHC 8-32UNC X .50 LG	61
1	-	1	1	1	1	1	1	1	-	852763-1	GUIDE, FRONT STRIP	60
	-	1	1	1	1	1	1	1	-	853018-1	PLATE, BASE	59
1	-	1	1	1	1	1	1	1	-	852766-1	SPACER, RIGHT SHEAR	58
	-	1	1	1	1	1	1	1	-	90545-1	SPRING, TORSION	57
1	-	1	1	1	1	1	1	1	-	852761-1	PLATE, BACK-UP PIVOT	56
	-	2	2	2	2	2	2	2	-	1-21000-3	SCR., SHC 4-40UNC X .25 LG	55
1	-	4	4	4	4	4	4	4	-	21024-3	WASHER, LOC 6	54
	-	1	1	1	1	1	1	1	-	852760-1	PLATE, STRIP GUIDE	53
1	-	4	4	4	4	4	4	4	-	3-21002-3	SCR, BHC 1/4-20UNC X .50 LG	52
	-	1	1	1	1	1	1	1	-	852740-1	ARM, STOCK DRAG	51
1	-	1	1	1	1	1	1	1	-	464452-8	DRAG, STOCK	50
	-	4	4	4	4	4	4	4	-	21055-5	WASHER, FLAT 6	49
8	-	1	1	1	1	1	1	1	-	1-460680-6	FEED FINGER ASSEMBLY	48
	-	1	1	1	1	1	1	1	-	986377-1	VALVE, LEVER ROLLER	47
16	-	2	2	2	2	2	2	2	-	22354-6	STUD 8-32UNC X 1.00 LG	46
	-	2	2	2	2	2	2	2	-	18326-2	ELBOW, TUBE TO MALE 10-32NPT	45
8	-	4	4	4	4	4	4	4	-	18258-1	CONN., MALE TUBE TO MALE THD 10-32NPT	44
	-	1	1	1	1	1	1	1	-	5-21000-4	SCR., SHC 10-24UNC X .63 LG	43
8	-	1	1	1	1	1	1	1	-	856437-1	HOLD-DOWN, HOUSING	42
	-	2	2	2	2	2	2	2	-	856689-1	PLATE, NUT	41
9	-	1	1	1	1	1	1	1	-	986376-1	VALVE, LEVER ROLLER	40
	-	4	4	4	4	4	4	4	-	2-21000-4	SCR., SHC 6-32UNC X 1.00 LG	39
13	-	3	3	3	3	3	3	3	-	2-22733-8	SCR., BHC 1/4-20UNC X .63 LG	38
	-	1	1	1	1	1	1	1	-	852769-1	HOUSING, APPLICATOR	37
13	-	2	2	2	2	2	2	2	-	852776-1	PLATE, TOP RETAINER	36
	-	2	2	2	2	2	2	2	-	1-21000-7	SCR., SHC 4-40UNC X .75 LG	35
13	-	2	2	2	2	2	2	2	-	2-21000-9	SCR., SHC 8-32UNC X .75 LG	34
	-	2	2	2	2	2	2	2	-	21055-6	WASHER, FLAT 8	33
13	-	1	1	1	1	1	1	1	-	986625-1	CYL., AIR, DOUBLE ACTING 1/8NPT	32

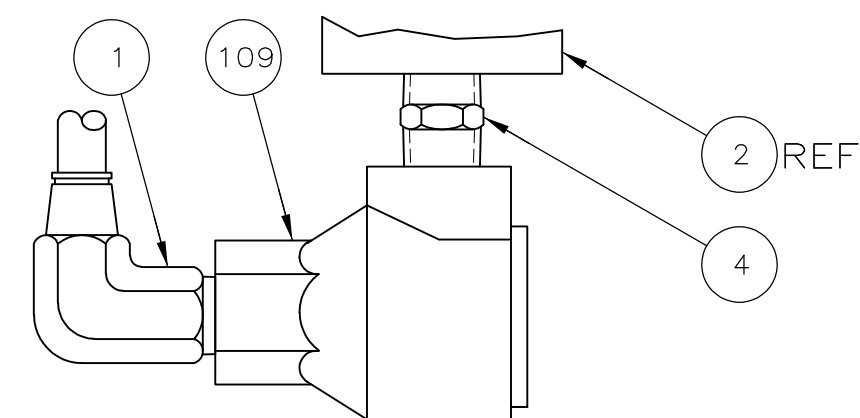
DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)
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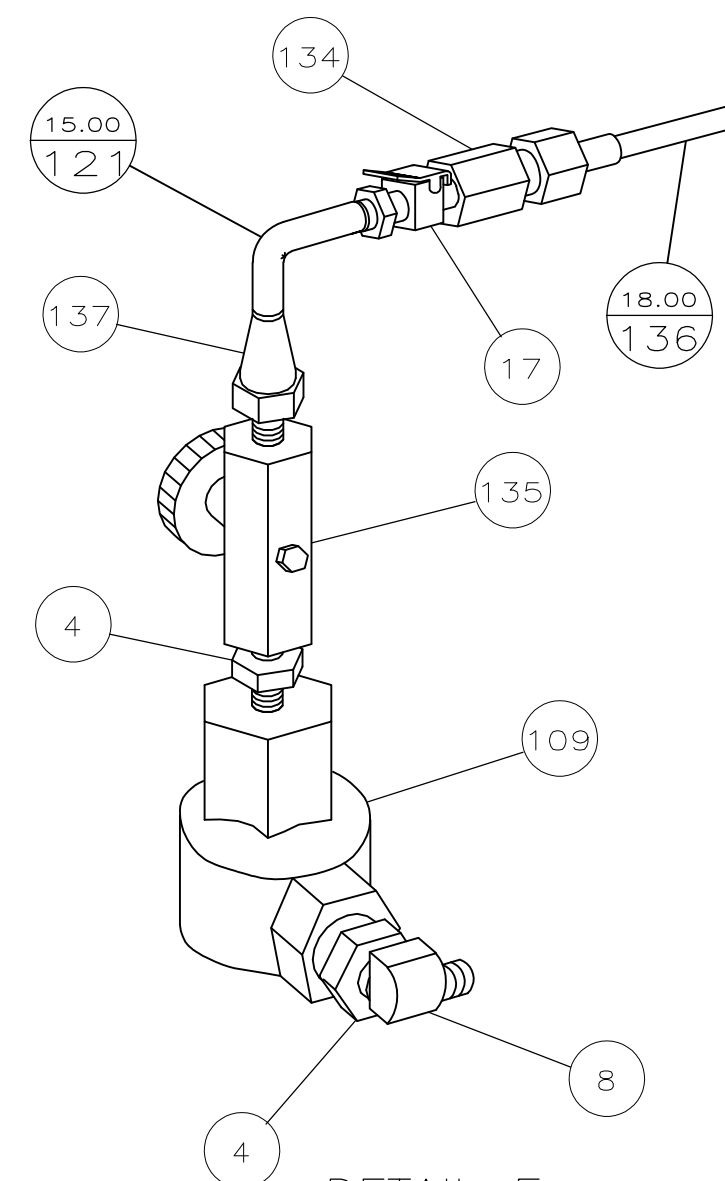
LOC
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3308-8 (3/11)

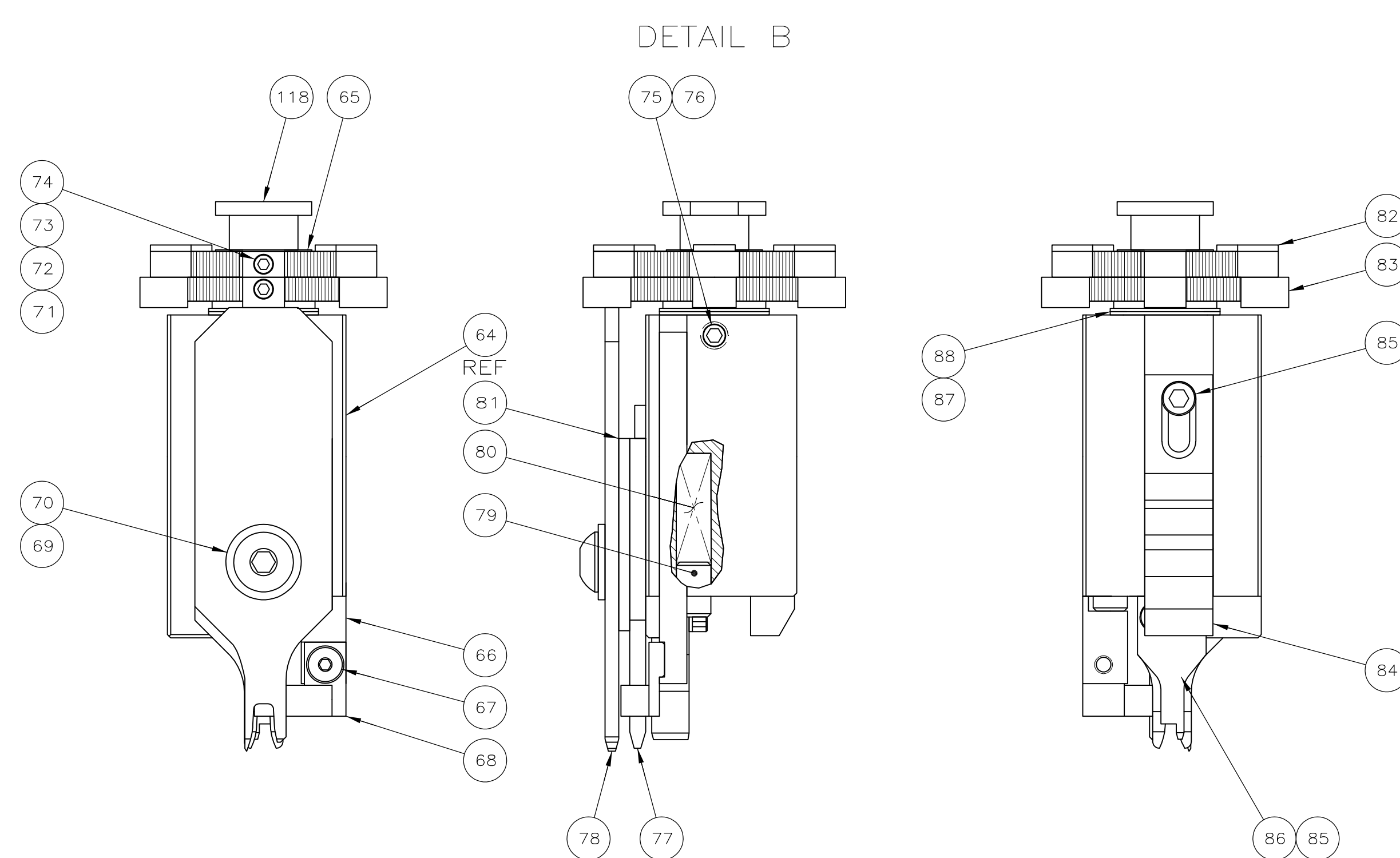
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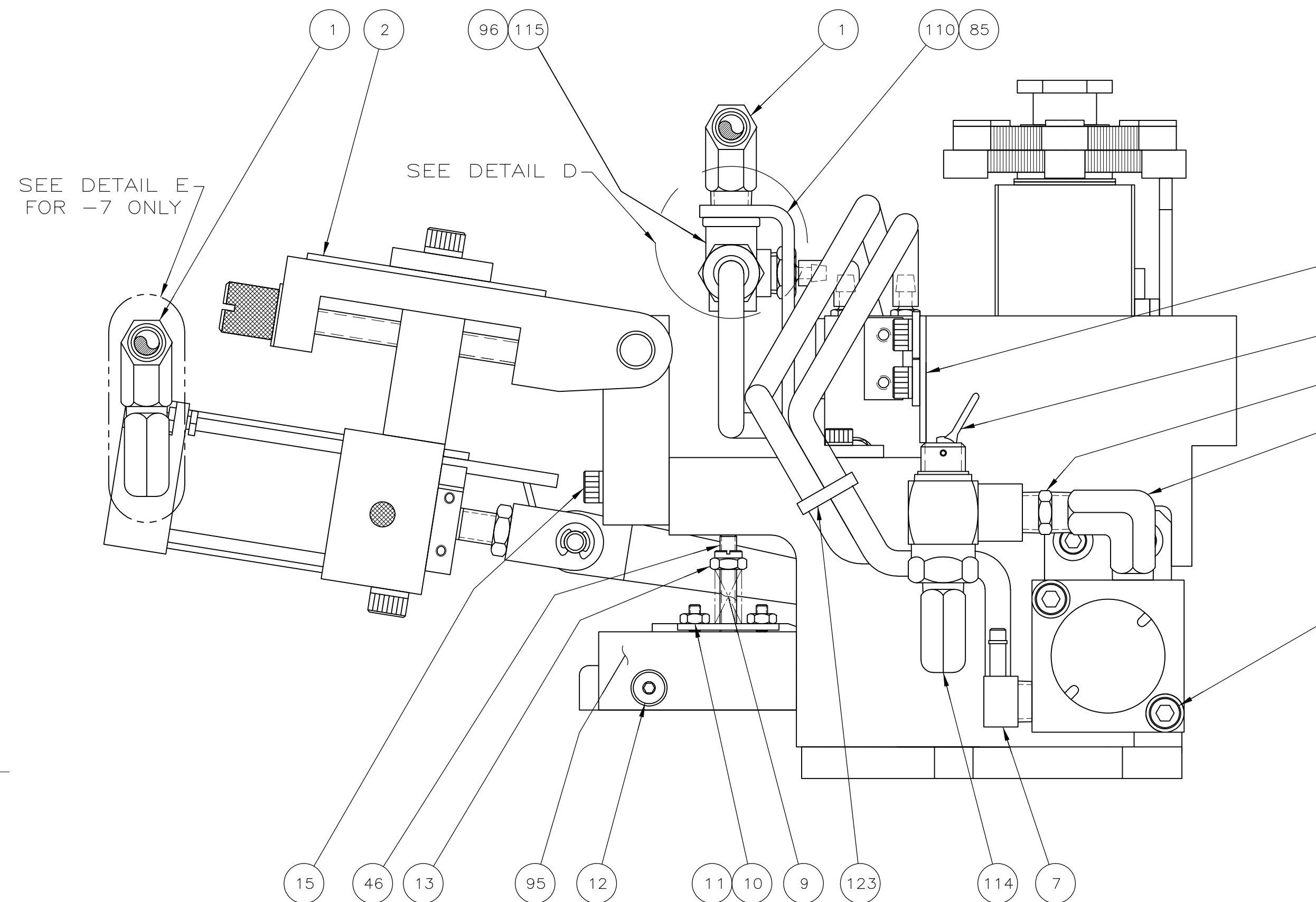
VIEW A-A
FOR -1,-3,-4 &-6



DETAIL E
FOR -7 ONLY

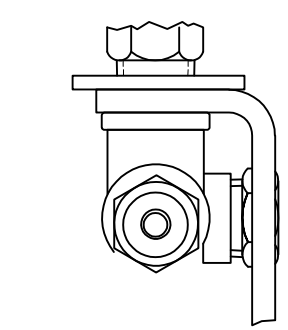


SEE DETAIL B

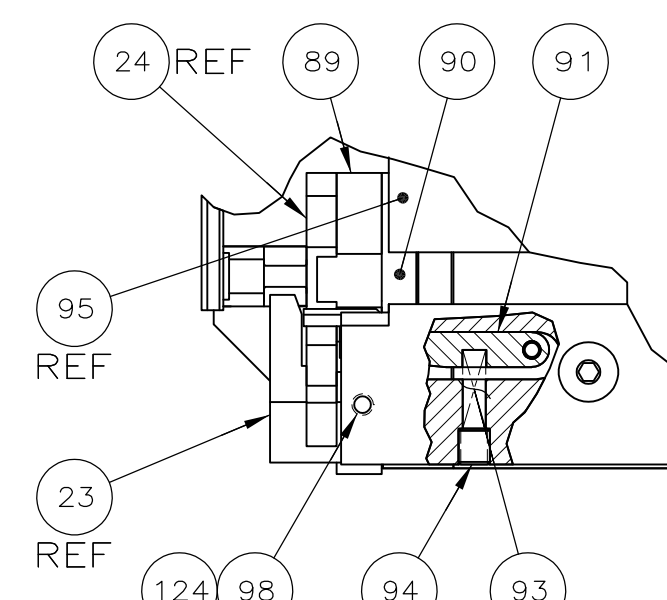


SEE DETAIL D

SEE DETAIL E
FOR -7 ONLY



DETAIL D



SECTION C-C

P	LTR	REVISION RECORD	DATE	DWN	APVD
1		SEE SHEET 1			

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES	0.0005
ANGLES	±0.0005
SURFACE TEXTURE	0.0005

DWN M. YOUNGER	05OCT2012	MATERIAL -	HEAT TREAT -
CHK T. ELBIN	05OCT2012	STE TE Connectivity	
APVD T. ELBIN	05OCT2012		
NAME ULTRA POD FLAG APPLICATOR			
SCALE 1:1	SIZE A1	DRAWING NO 1852892	SHEET 3 of 3
			REV A

CUSTOMER ACCESSIBLE PRODUCTION DRAWING

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1852892-1](#)