

PART NUMBER	REVISION	DESCRIPTION	FEED TYPE
2151166-1	K	FINE CRIMP HEIGHT ADJUST	MECHANICAL
2151166-2	K	FINE CRIMP HEIGHT ADJUST	PNEUMATIC
5-2151166-1	K	SEAL STRIPPER CRIMPER TERMINATING UNIT	MECHANICAL
5-2151166-2	K	SEAL STRIPPER CRIMPER TERMINATING UNIT	PNEUMATIC
7-2151166-1	K	MECHANICAL AND CRIMP TOOLING KIT	MECHANICAL
7-2151166-2	K	PNEUMATIC AND CRIMP TOOLING KIT	PNEUMATIC
7-2151166-7	D	CRIMP TOOLING KIT	-

ATLANTIC VERSION TERMINATOR INTERFACE ADAPTER



APPLICATOR DATA

CRIMP	SIZE	TYPE
WIRE	2.54 mm [.100]	F
INSUL	3.56 mm [.140]	OV

APPLICATOR INSTRUCTIONS 408-35042

TERMINAL DATA: TE TERMINAL TE CRIMP SPECIFICATION

TERMINAL NAME: TE MCP 2.8 FLAT TYPE RECEPTACLE

WIRE STRIP LENGTH	INSULATION DIAMETER RANGE
4.50-5.10 [.177-.201 IN]	Ø 2.20-3.00 [.087-.118 IN]

TERMINAL APPLICATION SPECIFICATION 114-18148

TERMINAL DATA: TE TERMINAL TE CRIMP SPECIFICATION

TERMINAL NAME: TE MCP 2.8 FLAT TYPE RECEPTACLE

WIRE STRIP LENGTH	INSULATION DIAMETER RANGE
4.50-5.10 [.177-.201 IN]	Ø 2.20-3.00 [.087-.118 IN]

TERMINAL APPLICATION SPECIFICATION 114-18668

TERMINALS APPLIED

TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
1-968851-1	1-968851-2	1-968851-3	1-1355877-1

TERMINALS APPLIED

TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
1718188-1	1241582-1		

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
2.50mm2	1.76+/-0.05 [.069+/- .002]	8.2
2.00mm2 AVS	1.70+/-0.05 [.067+/- .002]	7.8
2.00mm2 AESX-F	1.66+/-0.05 [.065+/- .002]	8.3
14 AWG	1.61+/-0.05 [.063+/- .002]	9.7
1.50mm2	1.47+/-0.05 [.058+/- .002]	11.0
1.25mm2	1.46+/-0.05 [.057+/- .002]	11.1
16 AWG	1.36+/-0.05 [.054+/- .002]	11.9

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
2.50mm2	1.88+/-0.05 [.074+/- .002]	6.8
2.00mm2	1.73+/-0.05 [.068+/- .002]	8.3
1.50mm2	1.58+/-0.05 [.062+/- .002]	10.0

- 1 RECOMMENDED SPARE PARTS
- 2 REFER TO SUPPLIED INSTRUCTION SHEET FOR CLEANING, LUBRICATION AND STORAGE OF APPLICATOR.
- 3 APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.
- 4 CRIMP HEIGHT REFERENCE SETTING WAS THE SETTING USED WHEN THE APPLICATOR WAS QUALIFIED AT THE FACTORY. ADJUSTMENT MAY BE NECESSARY WHEN RUNNING APPLICATOR IN THE FIELD.
- 5. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT, 101-35000.
- 6 WHEN APPLYING TERMINALS 1-968851-1, 1-968851-2, 1-968851-3, 1-1355877-1 AND 1241582-1 USE ITEM 34 PN 1-1752356-3 TERMINAL SUPPORT.
- 7 WHEN APPLYING TERMINAL 1718188-1 USE ITEM 272 PN 1752356-6 TERMINAL SUPPORT.

***WARNING**
 ON INSTALLATION, SET WIRE DISC TO CRIMP HEIGHT REFERENCE SETTING FOR LARGEST WIRE SIZE. CRIMP HEIGHT REFERENCE SETTINGS GREATER THAN THE VALUE SHOWN MAY CAUSE DAMAGE TO THE CRIMP TOOLING. REFER TO THE INSTRUCTION SHEET FOR PROPER SETUP AND ADJUSTMENTS.

LOC	DIST	REV	DATE	BY	CHKD
A	66	H1	28JUL2022	FJ	YY
		H2	10NOV2022	FZ	GB
		J	19JAN2023	TB	GB
		K	13FEB2023	MEH	GB

-	1	1	1	1	1	1	1803945-4	TONKER	300
-	1	1	1	1	1	1	22278-9	SPRING, COMPRESSION	299
-	2	2	2	2	2	2	4-18032-3	SCR, SET, FLT PNT, M3 X 6.0	298
-	1	1	1	1	1	1	1803944-1	SPACER, TONKER	297
-	-	-	1	1	-	-	1803515-1	RAM ASSEMBLY, SF ATLANTIC	293
-	-	-	1	1	-	-	2-1803583-1	APPLICATOR BASIC ASSEMBLY, SF	292
-	1	1	1	1	1	1	1752356-6	SUPPORT, TERMINAL	272
-	1	-	1	-	1	-	2119641-1	FEED CAM, AIR FEED	248
-	1	1	1	1	1	1	2119082-9	CAM, SNAIL, INSULATION ADJUSTMENT	244
-	1	1	1	1	1	1	2079764-1	WASHER, WAVE SPRING, CREST-TO-CREST	243
-	1	1	1	1	1	1	2119083-1	RETAINER, INSULATION DIAL	242
-	1	1	1	1	1	1	7-18023-7	SCR, SKT HD CAP M3 X 4.0	241
-	-	1	-	1	-	1	2119580-1	MECHANICAL FEED ASSEMBLY	239
-	1	-	1	-	1	-	2844940-1	AIR FEED MODULE	238
-	REF	REF	REF	REF	REF	REF	994970-2	COUNTER, MAGNETIC	164
-	1	1	1	1	1	1	2844908-1	SCREW, LOCKING	99
-	1	1	1	1	1	1	2844907-1	POST, LOCKING	98
-	1	1	1	1	1	1	455888-6	SPACER, CRIMPER	82
-	1	1	1	1	1	1	1803607-3	DOCUMENTATION PACKAGE	71
-	1	1	1	1	1	1	2119740-1	TAG IDENTIFICATION	67
-	2	2	2	2	2	2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .188	66
-	1	1	1	1	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	60
-	1	1	1	1	1	1	5-18022-5	SCR, HEX HD CAP, M4 X 6.0	59
-	1	1	1	1	1	1	1338685-1	PAWL, FEED	56
-	4	4	4	4	4	4	2168083-3	SCR, SKT HD CAP, RoHS, M4 X 12.0	54
-	2	2	2	2	2	2	2168083-3	SCR, SKT HD CAP, RoHS, M4 X 12.0	53
-	1	2	1	2	1	2	18023-9	SCR, SKT HD CAP M4 X 6.0	49
-	-	1	-	1	-	1	2119652-1	FEED CAM, PRE FEED	48
-	-	1	-	1	-	1	2119653-1	FEED CAM, POST FEED	47
-	1	1	-	-	1	1	1803583-9	APPLICATOR BASIC ASSEMBLY, SF	46
-	1	1	-	-	1	1	1803515-1	RAM ASSEMBLY, SF ATLANTIC	44
-	1	1	1	1	1	1	1803602-1	SCR, BHSC, RoHS (M8 X 25)	41
-	1	1	1	1	1	1	1-1752356-3	SUPPORT, TERMINAL	34
-	2	2	2	2	2	2	2079383-5	SCR, BHSC, RoHS (M4 X 20)	33
-	2	2	2	2	2	2	3-2844962-0	SPACER, CYLINDRICAL, STRIP GUIDE	30
-	1	1	1	1	1	1	2844992-2	ASSEMBLY, STRIP GUIDE	29
-	1	1	1	1	1	1	1-455888-6	SPACER, CRIMPER	28
-	1	1	1	1	1	1	1320928-2	STRIP GUIDE	24
-	1	1	-	-	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	21
-	2	2	1	1	2	2	1-18028-2	WASHER, FLAT, REG M4	20
-	1	1	-	-	1	1	2119533-1	STRIPPER, SIDE FEED	19
-	1	1	1	1	1	1	2119806-1	INSERT, SHEAR	13
-	1	1	1	1	1	1	3-22280-3	SPRING, COMPRESSION	12
-	1	1	1	1	1	1	1-356885-4	STOP, SHEAR	11
-	1	1	1	1	1	1	2119805-1	SHEAR HOLDER, FRONT	10
-	1	1	1	1	1	1	454276-5	FLOATING SHEAR, FRONT	9
1	2	2	1	1	1	1	1333206-8	ANVIL, COMBINATION .100	8
-	1	1	1	1	1	1	1-240641-7	SPACER	7
-	-	-	-	-	-	-	-	-	6
-	1	1	1	1	1	1	2119757-4	DEPRESSOR, SHEAR	5
-	1	1	1	1	1	1	1-238011-0	BLOCK, CRIMPER SPACER	4
1	2	2	1	1	1	1	2119785-6	CRIMPER, INSULATION OVERLAP PREMIUM	3
-	1	1	1	1	1	1	455888-7	SPACER, CRIMPER	2
1	2	2	1	1	1	1	2-1722335-2	CRIMPER, WIRE	1

ATLANTIC VERSION
 Shown on sheets 1 of 4 & 2 of 4
 (Pacific version shown on sheets 3 of 4 & 4 of 4)

ITEM NO	PART NO	DESCRIPTION
-77	-72	-71
-52	-51	-2
-1		

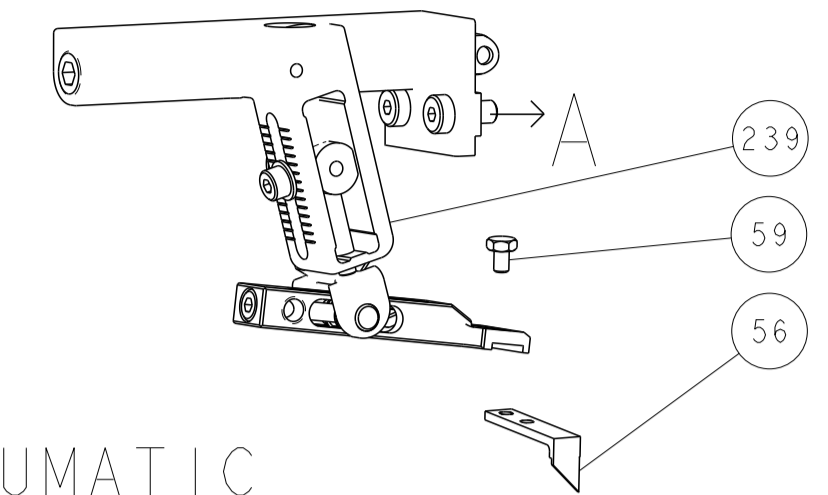
DATE	26 JUL 2011	CHKD	X. ZHAO
DATE	26 JUL 2011	CHKD	T. ELBIN
DATE	26 JUL 2011	APVD	S. XI

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	0 PLC ±
	1 PLC ±
	2 PLC ±
	3 PLC ±
	4 PLC ±
	ANGLES ±
	FINISH ±

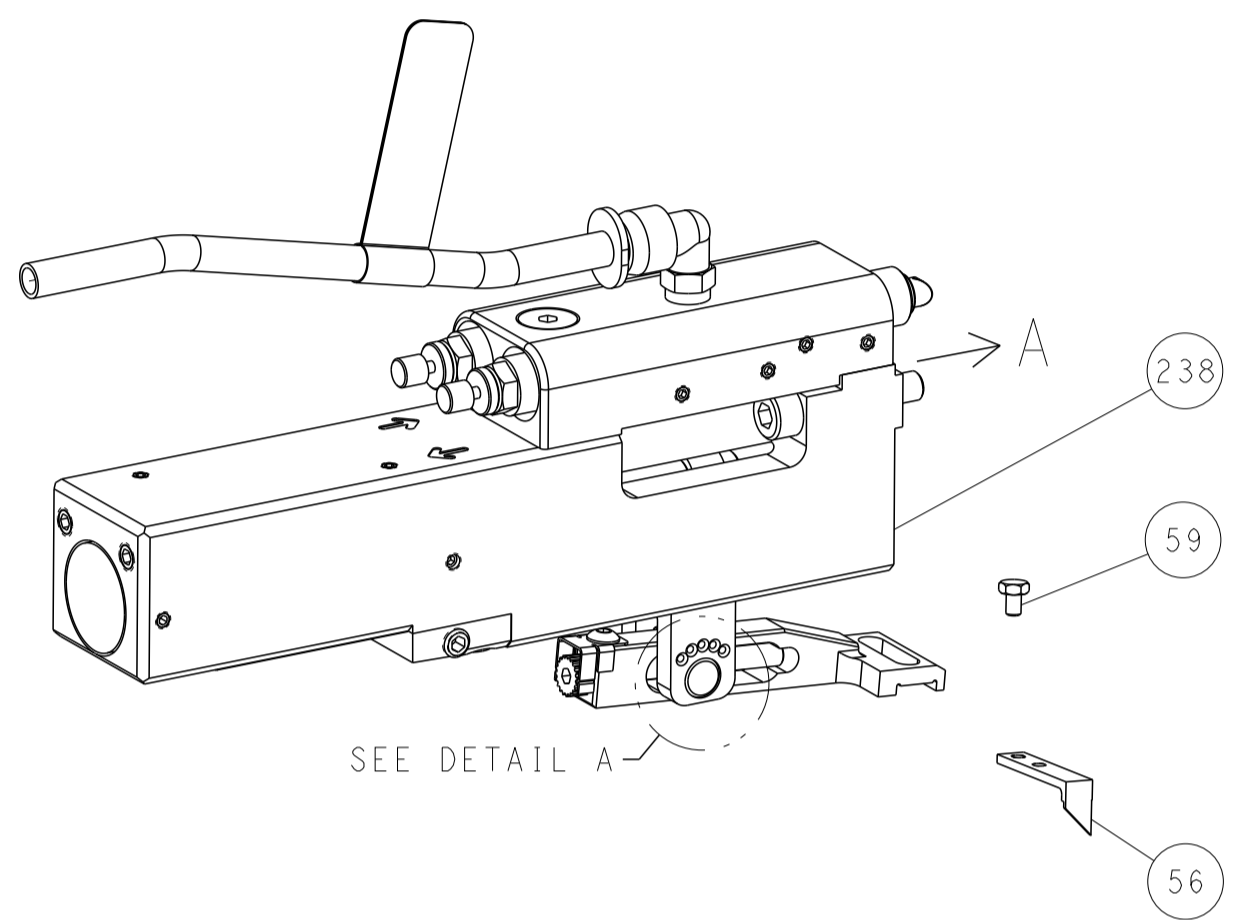
NAME	Ocean Side Feed Applicator
SIZE	A1
CAGE CODE	00779
DRAWING NO	2151166
RESTRICTED TO	-
WEIGHT	-
SCALE	1:2
SHEET	1 OF 4
REV	K

LOC	DIST	REVISIONS					
A	66	P	LTN	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

FEED TYPE MECHANICAL



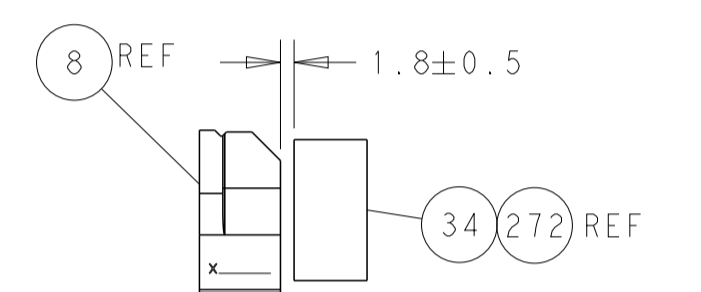
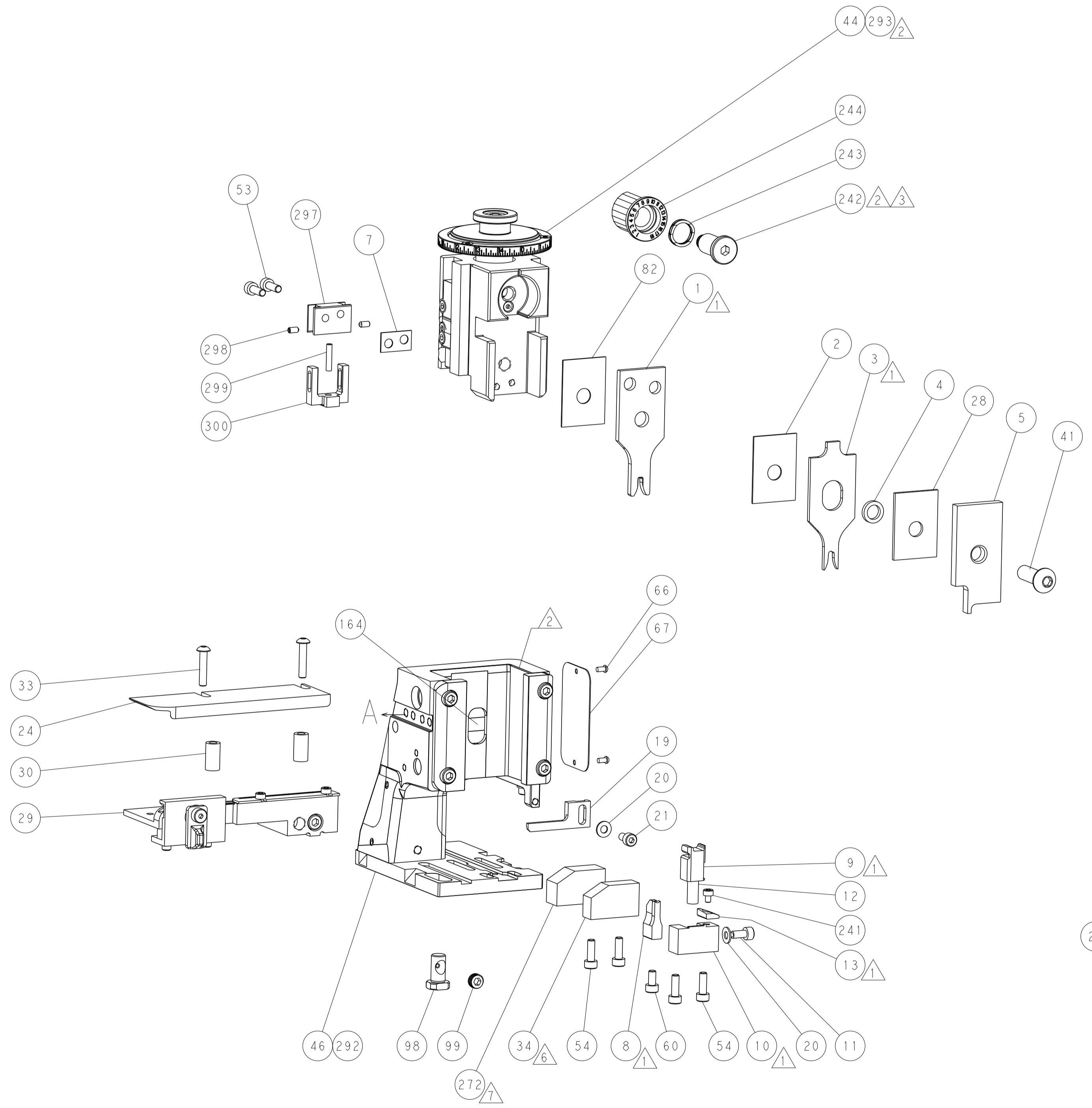
PNEUMATIC



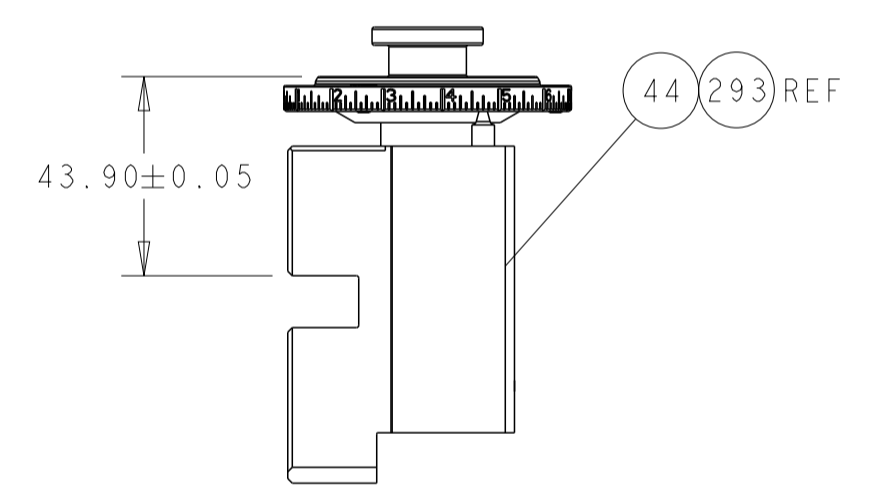
FEED SPRING SETTING POSITION (SHOWN FROM REAR SIDE)



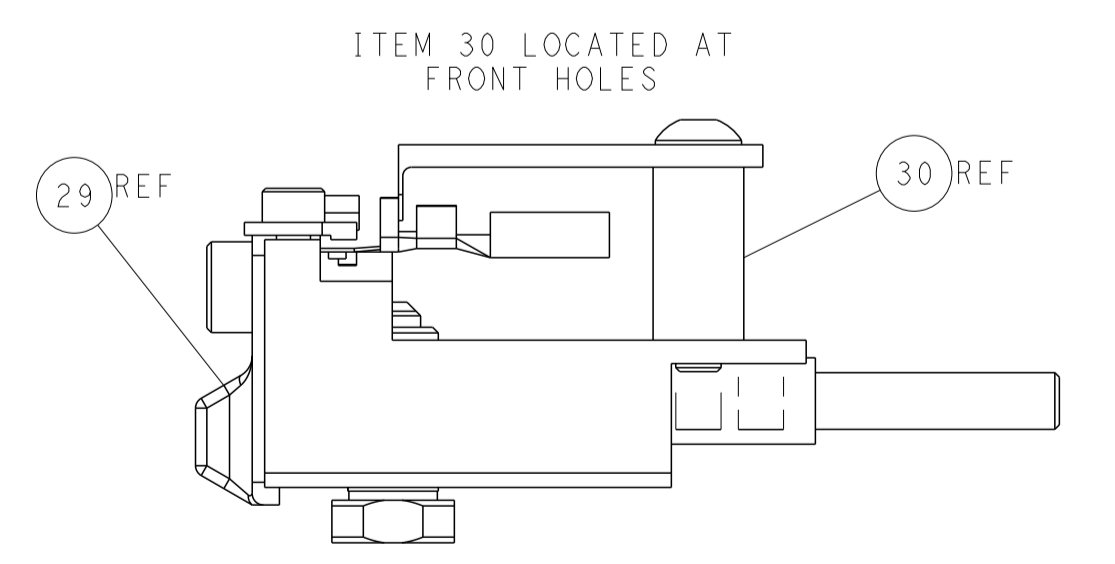
DETAIL A



TERMINAL SUPPORT LOCATION

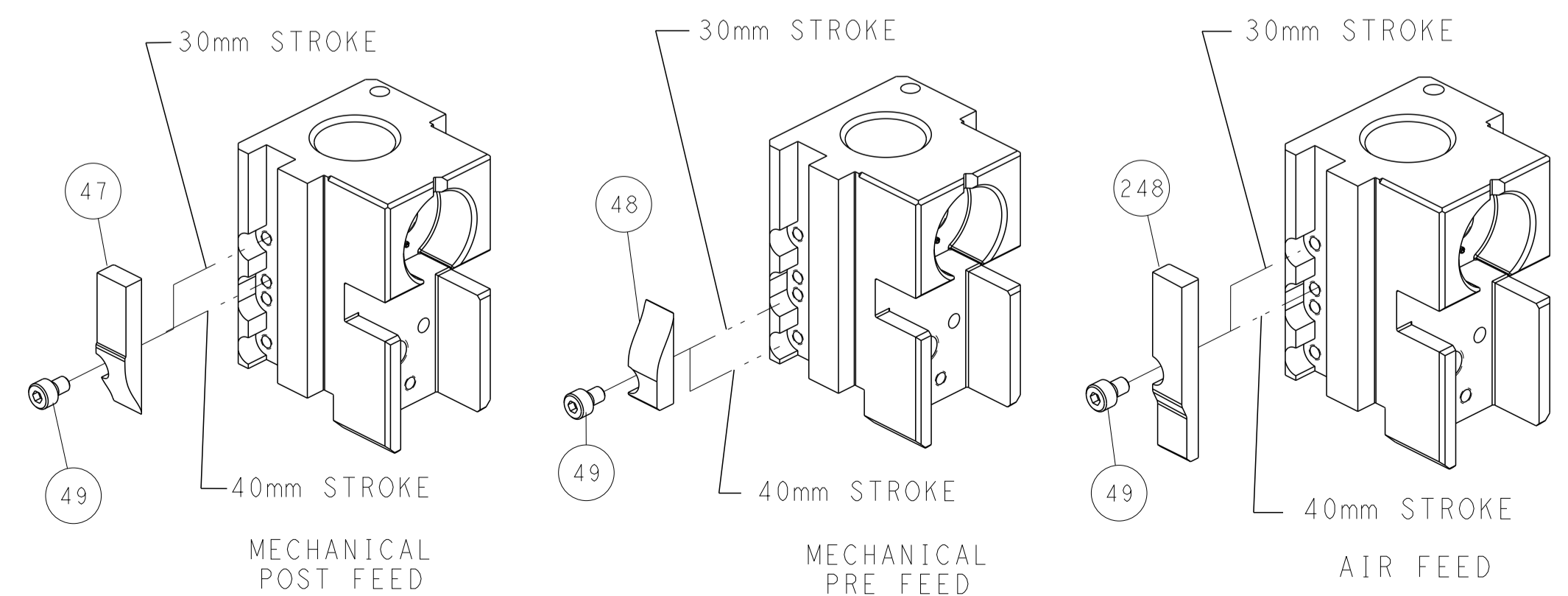


RAM SET-UP



FEED TRACK POSITION GUIDE BY INSULATION BARREL

CAM POSITIONS



ATLANTIC VERSION
 Shown on sheets 1 of 4 & 2 of 4
 (Pacific version shown on sheets 3 of 4 & 4 of 4)

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN X_ZHAO 26 JUL 2011		TE Connectivity	
mm	0 PLC ±	1 PLC ±	2 PLC ±	3 PLC ±	4 PLC ±	Harrisburg, PA 17105-3608	
MATERIAL:		FINISH:		APVD S_XI 26 JUL 2011		NAME	
				PRODUCT SPEC		Ocean Side Feed	
				APPLICATION SPEC		Applicator	
				WEIGHT		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
				Customer Accessible Production Drawing		A1 00779 C=2151166	
				SCALE		SHEET 2 OF 4 REV K	
				1:2		SHEETS 3 & 4 ARE NOT REQUIRED FOR ATLANTIC VERSION	

PART NUMBER	REVISION	DESCRIPTION	FEED TYPE
2-2151166-1	K	FINE CRIMP HEIGHT ADJUST	MECHANICAL
2-2151166-2	K	FINE CRIMP HEIGHT ADJUST	PNEUMATIC
7-2151166-7	D	CRIMP TOOLING KIT	-

PACIFIC VERSION TERMINATOR
INTERFACE ADAPTER



APPLICATOR DATA		
CRIMP	SIZE	TYPE
WIRE	2.54 mm [.100]	F
INSUL	3.56 mm [.140]	OV

APPLICATOR INSTRUCTIONS
408-35042

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: TE MCP 2.8 FLAT TYPE RECEPTACLE			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
4.50-5.10mm [.177-.201 IN]		∅2.20-3.00 mm [.087-.118 IN]	
TERMINAL APPLICATION SPECIFICATION	114-18148	-	-
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
1-968851-1	1-968851-2	1-968851-3	1-1355877-1

TERMINAL DATA: TE TERMINAL		TE CRIMP SPECIFICATION	
TERMINAL NAME: TE MCP 2.8 FLAT TYPE RECEPTACLE			
WIRE STRIP LENGTH		INSULATION DIAMETER RANGE	
4.50-5.10 [.177-.201 IN]		∅ 2.20-3.00 [.087-.118 IN]	
TERMINAL APPLICATION SPECIFICATION	114-18668	-	-
TERMINALS APPLIED			
TE TERMINAL	TE TERMINAL	TE TERMINAL	TE TERMINAL
1718188-1	1241582-1		

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
2.50mm2	1.76+/-0.05 [.069+/- .002]	8.2
2.00mm2 AVS	1.70+/-0.05 [.067+/- .002]	7.8
2.00mm2 AESSX-F	1.66+/-0.05 [.065+/- .002]	8.3
14 AWG	1.61+/-0.05 [.063+/- .002]	9.7
1.50mm2	1.47+/-0.05 [.058+/- .002]	11.0
1.25mm2	1.46+/-0.05 [.057+/- .002]	11.1
16 AWG	1.36+/-0.05 [.054+/- .002]	11.9

WIRE SIZE	CRIMP HEIGHT mm [INCH]	CRIMP HEIGHT REFERENCE SETTING
2.50mm2	1.88+/-0.05 [.074+/- .002]	6.8
2.00mm2	1.73+/-0.05 [.068+/- .002]	8.3
1.50mm2	1.58+/-0.05 [.062+/- .002]	10.0

- 1 RECOMMENDED SPARE PARTS
- 2 REFER TO SUPPLIED INSTRUCTION SHEET FOR CLEANING, LUBRICATION AND STORAGE OF APPLICATOR.
- 3 APPLY PART NUMBER 2-23419-6 LOCTITE TO THREADS OF ITEM 242.
- 4 CRIMP HEIGHT REFERENCE SETTING WAS THE SETTING USED WHEN THE APPLICATOR WAS QUALIFIED AT THE FACTORY. ADJUSTMENT MAY BE NECESSARY WHEN RUNNING APPLICATOR IN THE FIELD.
- 5. UNLESS SPECIFIED OTHERWISE TORQUE VALUES SHALL BE USED PER DOCUMENT, 101-35000.
- 6 WHEN APPLYING TERMINALS 1-968851-1, 1-968851-2, 1-968851-3, 1-1355877-1 AND 1241582-1 USE ITEM 34 PN 1-1752356-3 TERMINAL SUPPORT.
- 7 WHEN APPLYING TERMINAL 1718188-1 USE ITEM 272 PN 1752356-6 TERMINAL SUPPORT.

***WARNING**
ON INSTALLATION, SET WIRE DISC TO CRIMP HEIGHT REFERENCE SETTING FOR LARGEST WIRE SIZE. CRIMP HEIGHT REFERENCE SETTINGS GREATER THAN THE VALUE SHOWN MAY CAUSE DAMAGE TO THE CRIMP TOOLING. REFER TO THE INSTRUCTION SHEET FOR PROPER SETUP AND ADJUSTMENTS.

ENTRY LEVEL APPLICATOR		ITEM SUBSTITUTION LIST		
PART NUMBER	SAME AS	ITEM	ITEM DESCRIPTION	SUBSTITUTE PART NUMBER
8-2151166-1	2151166-1	1	WIRE CRIMPER	2-1803586-2
8-2151166-2	2151166-2	3	INSULATION CRIMPER	1803625-6
9-2151166-1	2-2151166-1	46	BASIC SUB -ASSEMBLY	1803940-9
9-2151166-2	2-2151166-2	141	BASIC SUB -ASSEMBLY	1-1803940-0
			LUBRICATOR	DELETE

PACIFIC VERSION
Shown on sheets 3 of 4 & 4 of 4
(Atlantic version shown on sheets 1 of 4 & 2 of 4)

LOC	DIST	REVISIONS					
A	66	P	LTN	DESCRIPTION	DATE	OWN	APVD
		-		SEE SHEET 1	-	-	-

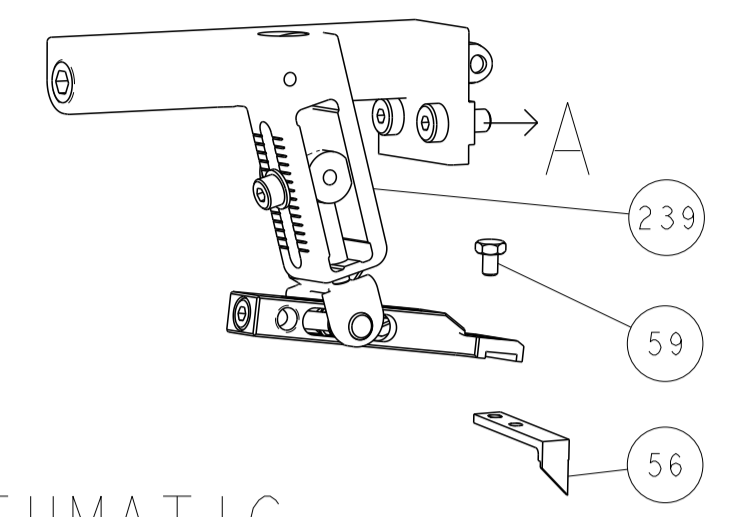
-	1	1	1803945-4	TONKER	300
-	1	1	22278-9	SPRING, COMPRESSION	299
-	2	2	4-18032-3	SCR, SET, FLT PNT, M3 X 6.0	298
-	1	1	1803944-1	SPACER, TONKER	297
-	1	1	1752356-6	SUPPORT, TERMINAL	272
-	1	1	2119082-9	CAM, SNAIL, INSULATION ADJUSTMENT	244
-	1	1	2079764-1	WASHER, WAVE SPRING, CREST-TO-CREST	243
-	1	1	2119083-1	RETAINER, INSULATION DIAL	242
-	1	1	7-18023-7	SCR, SKT HD CAP M3 X 4.0	241
-	-	1	2119580-1	MECHANICAL FEED ASSEMBLY	239
-	1	-	2844940-1	AIR FEED MODULE	238
-	REF	REF	994970-2	COUNTER, MAGNETIC	164
-	1	-	2119641-2	FEED CAM, AIR FEED	151
-	1	1	2168083-8	SCR, SKT HD CAP, RoHS, M4 X 16	144
-	4	4	2168083-9	SCR, SKT HD CAP, RoHS, M4 X 20	143
-	-	1	2119653-2	FEED CAM, POST FEED	142
-	1	1	1-1803583-0	APPLICATOR BASIC ASSEMBLY, SF	141
-	1	1	1803516-1	RAM ASSEMBLY, SF PACIFIC	140
-	1	1	2844908-1	SCREW, LOCKING	99
-	1	1	2844907-1	POST, LOCKING	98
-	1	1	455888-6	SPACER, CRIMPER	82
-	1	1	1803607-3	DOCUMENTATION PACKAGE	71
-	1	1	2119740-1	TAG IDENTIFICATION	67
-	2	2	2168078-1	SCREW, DRIVE, RH, RoHS, 2 x .188	66
-	1	1	5-18022-5	SCR, HEX HD CAP, M4 X 6.0	59
-	1	1	1338685-1	PAWL, FEED	56
-	2	2	2168083-3	SCR, SKT HD CAP, RoHS, M4 X 12.0	53
-	1	2	18023-9	SCR, SKT HD CAP M4 X 6.0	49
-	-	1	2119652-1	FEED CAM, PRE FEED	48
-	1	1	1803602-1	SCR, BHSC, RoHS (M8 X 25)	41
-	1	1	1-1752356-3	SUPPORT, TERMINAL	34
-	2	2	2079383-5	SCR, BHSC, RoHS (M4 X 20)	33
-	2	2	3-2844962-0	SPACER, CYLINDRICAL, STRIP GUIDE	30
-	1	1	2844992-2	ASSEMBLY, STRIP GUIDE	29
-	1	1	1-455888-6	SPACER, CRIMPER	28
-	1	1	1320928-2	STRIP GUIDE	24
-	1	1	2168083-2	SCR, SKT HD CAP, RoHS, M4 X 8.0	21
-	2	2	1-18028-2	WASHER, FLAT, REG M4	20
-	1	1	2119533-1	STRIPPER, SIDE FEED	19
-	1	1	2119806-1	INSERT, SHEAR	13
-	1	1	3-22280-3	SPRING, COMPRESSION	12
-	1	1	1-356885-4	STOP, SHEAR	11
-	1	1	2119805-1	SHEAR HOLDER, FRONT	10
-	1	1	454276-5	FLOATING SHEAR, FRONT	9
-	1	1	1333206-8	ANVIL, COMBINATION .100	8
-	1	1	1-240641-7	SPACER	7
-	-	-	-	-	6
-	1	1	2119757-4	DEPRESSOR, SHEAR	5
-	1	1	1-238011-0	BLOCK, CRIMPER SPACER	4
-	1	1	2119785-6	CRIMPER, INSULATION OVERLAP PREMIUM	3
-	1	1	455888-7	SPACER, CRIMPER	2
-	1	1	2-1722335-2	CRIMPER, WIRE	1

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWING NO		DESCRIPTION	
mm	0 PLC ±	1 PLC ±	2 PLC ±	3 PLC ±	4 PLC ±	APVD	ITEM NO
	ANGLES	FINISH					
MATERIAL				WEIGHT			

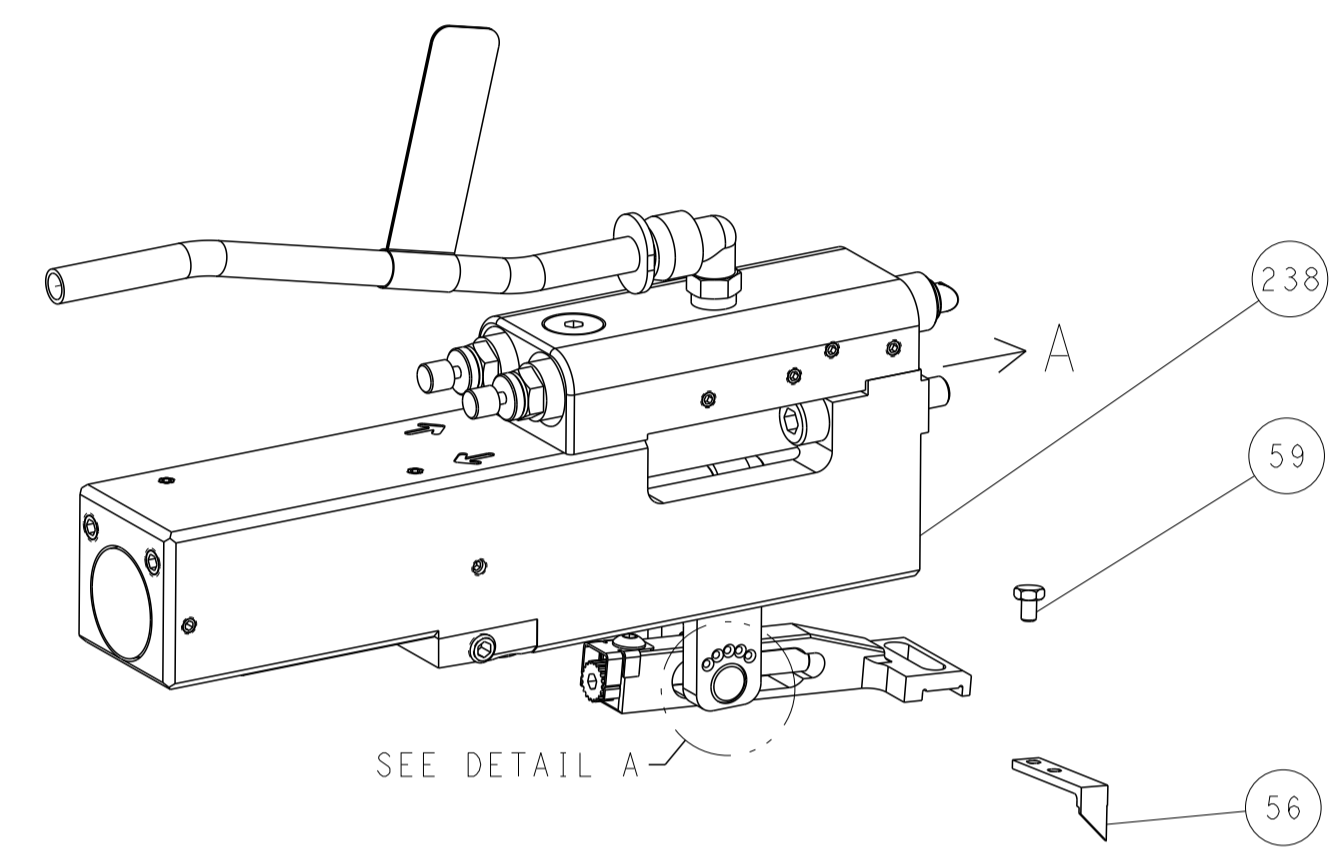
Customer Accessible Production Drawing

LOC		DIST		REVISIONS			
A	66	P	LTN	DESCRIPTION	DATE	OWN	APVD
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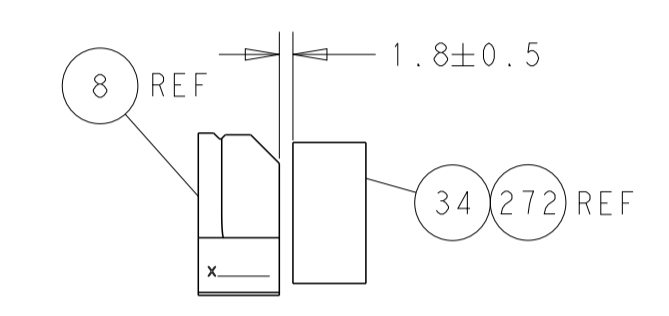
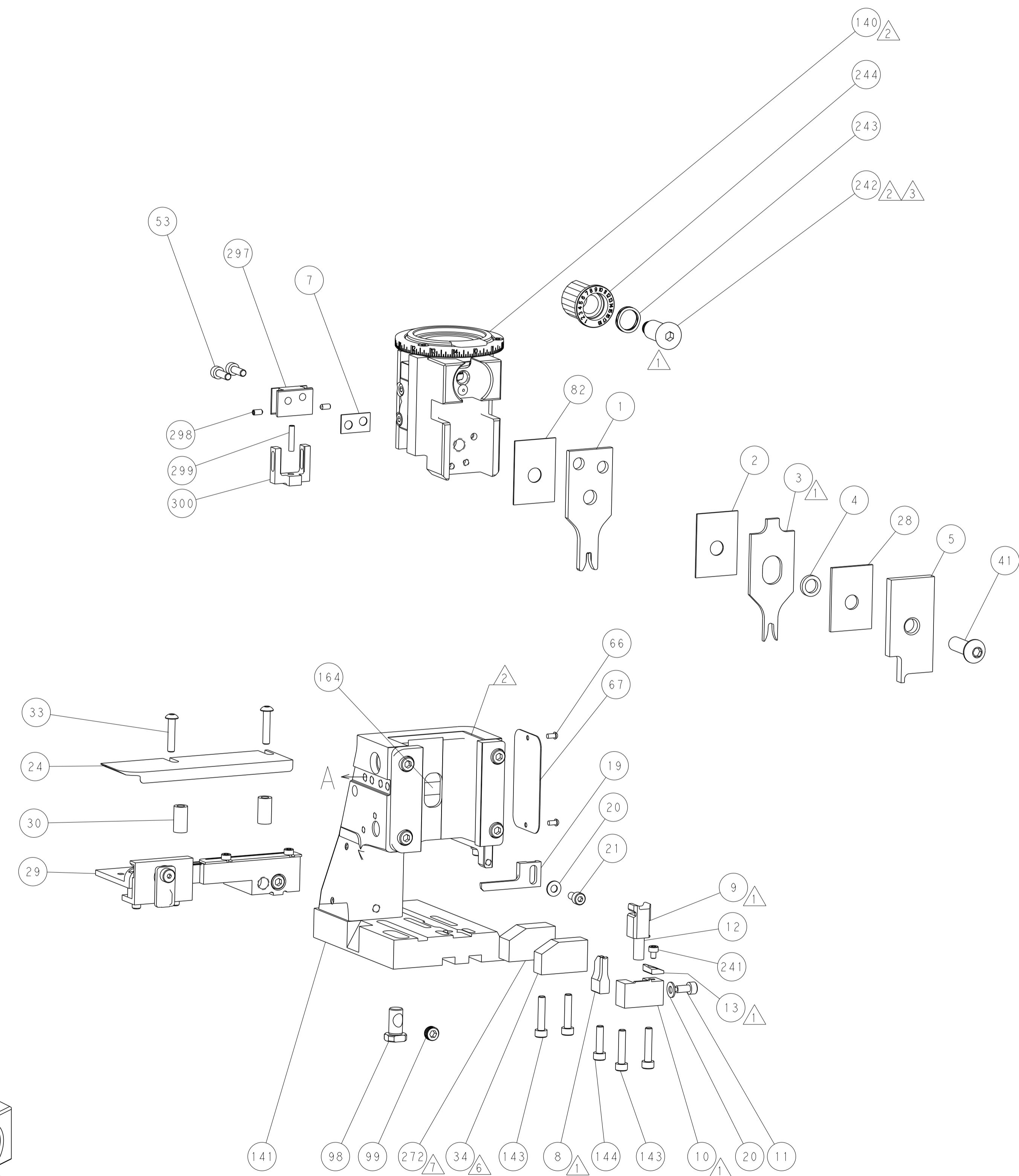
FEED TYPE MECHANICAL



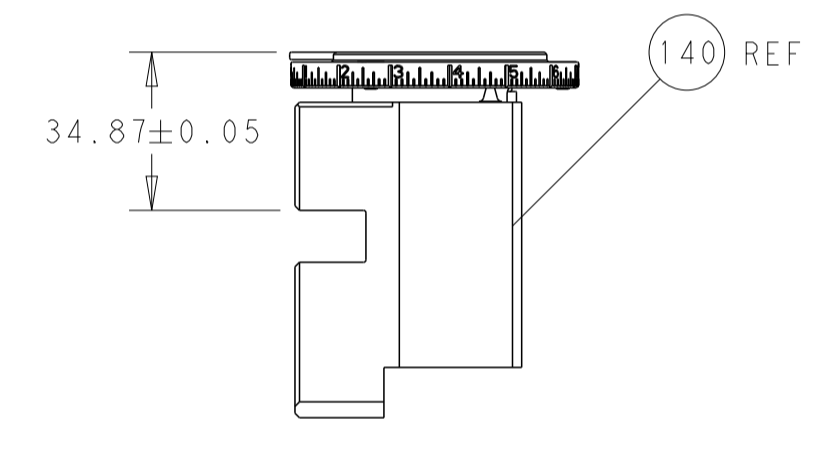
PNEUMATIC



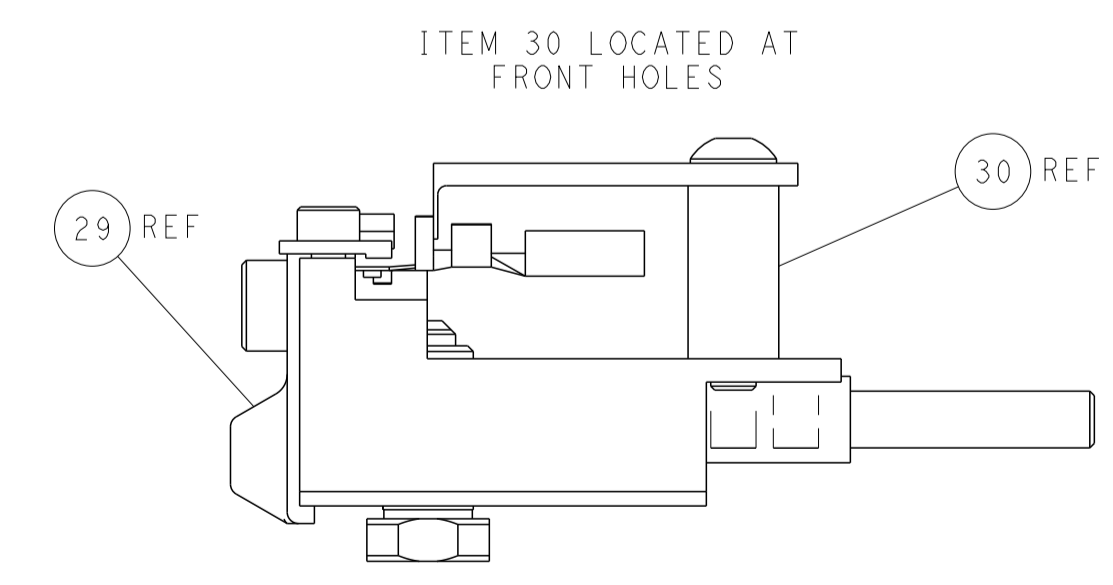
FEED SPRING SETTING POSITION (SHOWN FROM REAR SIDE)



TERMINAL SUPPORT LOCATION

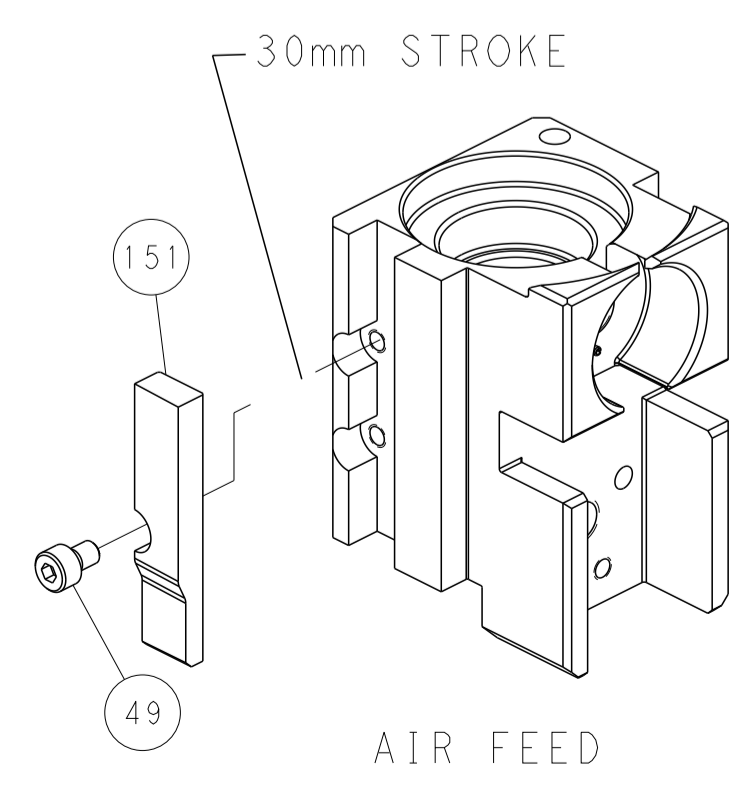
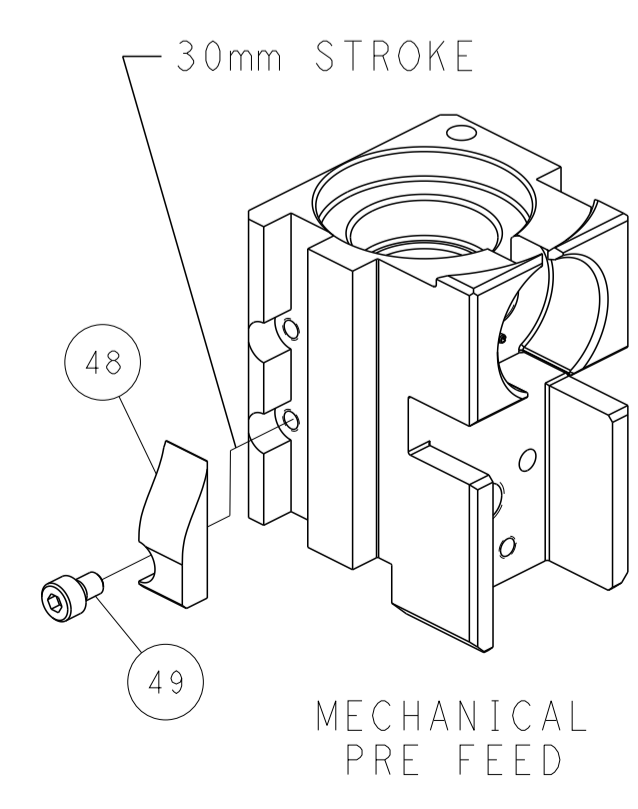
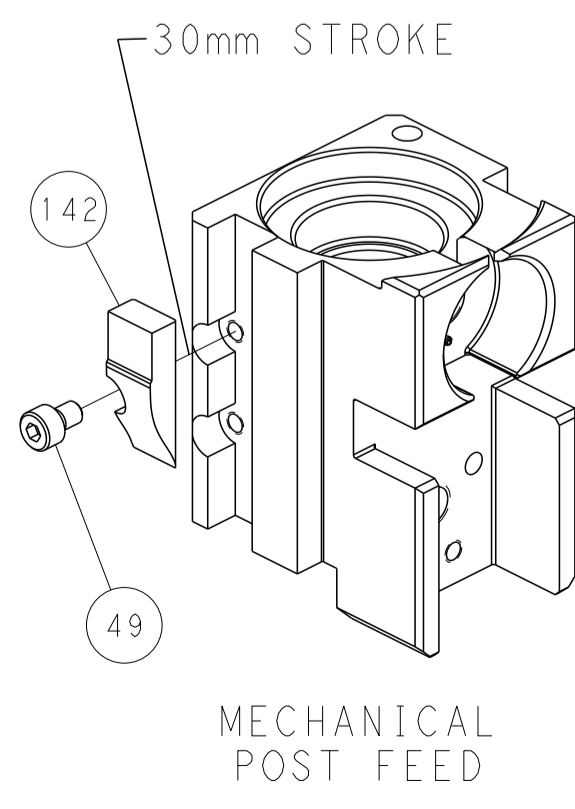


RAM SET-UP



FEED TRACK POSITION GUIDE BY INSULATION BARREL

CAM POSITIONS



PACIFIC VERSION
 Shown on sheets 3 of 4 & 4 of 4
 (Atlantic version shown on sheets 1 of 4 & 2 of 4)

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWG: X_ZHAO 26 JUL 2011		TE Connectivity	
mm	0 PLC ±	1 PLC ±	2 PLC ±	3 PLC ±	4 PLC ±	Harrisburg, PA 17105-3608	
MATERIAL:		FINISH:		APVD: S_XI 26 JUL 2011		NAME: Ocean Side Feed Applicator	
Customer Accessible Production Drawing		SCALE: 1:2		SHEET 4 OF 4		REV K	