

8

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ATLANTIC VERSION  
TERMINATOR  
INTERFACE ADAPTER

PART  
NUMBER

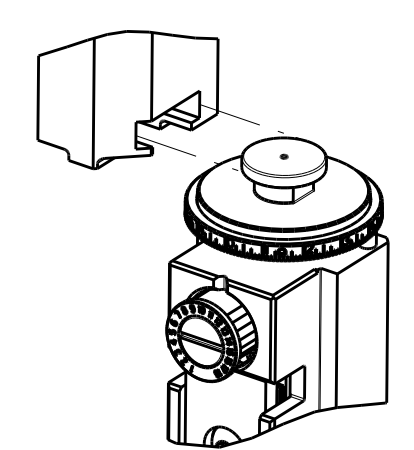
REVISION

DESCRIPTION

FEED TYPE

CONVERT TO

PART NUMBERS REQUIRED



2151301-2

C

FINE CRIMP HEIGHT ADJUST

PNEUMATIC

SERVO LATCH PLATE  
SMART APPLICATOR

2119951-1  
2161326-1

-  
-

8-2151301-5  
8-2151301-4

1901094-3  
-

-  
-

2168400-6 (QUANTITY 2)

2151301-5

C

FINE CRIMP HEIGHT ADJUST

SERVO LATCH PLATE

PNEUMATIC FEED

2119950-1  
1338685-1

-  
-

5-18022-5

2119641-1  
2119799-1

-  
-

2063440-2

2151301-6

C

NON-CRIMP HEIGHT ADJUST

SERVO LATCH PLATE

-

-

-

-

-

-

2151301-7

C

FINE CRIMP HEIGHT ADJUST

NONE

-

-

-

-

-

-

7-2151301-7

C

CRIMP TOOLING KIT

-

-

-

-

-

-

APPLICATOR DATA

CRIMP SIZE TYPE

WIRE 1.78 mm [ .070 ] F

INSUL 2.29 mm [ .090 ] F

APPLICATOR INSTRUCTIONS 408-10389

TERMINAL DATA: TE TERMINAL TE CRIMP SPECIFICATION

TERMINAL NAME: AMP MCP 2.8K FLAT TYPE RECEPTACLE

WIRE STRIP LENGTH INSULATION DIAMETER RANGE

4.20-4.80 mm [ .165-.189 IN ] Ø1.00-1.60 mm [ .039-.063 IN ]

TERMINAL APPLICATION SPECIFICATION

114-18365

TERMINALS APPLIED

TE TERMINAL TE TERMINAL TE TERMINAL TE TERMINAL

928909-1 928909-2 928909-3 928909-5

WIRE SIZE

CRIMP HEIGHT mm [ INCH ]

CRIMP HEIGHT REFERENCE SETTING

0.50mm2 1.26+/-0.05 [ .050+/- .002 ] 6.4

0.35mm2 1.19+/-0.05 [ .047+/- .002 ] 7.3

0.25mm2 1.15+/-0.05 [ .045+/- .002 ] 7.8

0.20mm2 1.13+/-0.05 [ .044+/- .002 ] 8

RECOMMENDED SPARE PARTS

GREASE BEARING SURFACES LIGHTLY

LUBRICATE DAILY PER THE APPLICATOR INSTRUCTION SHEET SUPPLIED WITH THE APPLICATOR.

APPLICATOR SPECIFIC DATA TO BE ENTERED INTO BLANK MEMORY CHIP AT ASSEMBLY. SEE BELOW FOR PART NUMBER:  
PNEUMATIC FEED WITH "SMART APPLICATOR" CONVERSION: 8-2151301-4  
SERVO FEED WITH "FINE CRIMP HEIGHT ADJUST": 8-2151301-5  
SERVO FEED WITH "NON-CRIMP HEIGHT ADJUST": 8-2151301-6

ADJUSTMENT OF THE STRIPPER MAY BE REQUIRED WHEN MOVING THE APPLICATOR BETWEEN BENCH AND LEADMAKER APPLICATIONS.

APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 62 & 242.  
FOR -6 ONLY APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 37 & 242.

GREASE THREADS, GROOVE AND O-RING ON ITEMS 35 & 252.

MAGNET, ITEM 166 MUST BE ORIENTED CORRECTLY IN ORDER TO PROPERLY ACTUATE THE COUNTER.

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.

TERMINAL PITCH NOT COMPATIBLE WITH MECHANICAL FEED.

TO CONVERT THE APPLICATOR TO A NON-CARRIER CUTTING STYLE, REMOVE ITEM 13 AND ATTACH TO THE LOCATION ON THE BACK SIDE OF THE HOUSING. REFER TO INSTRUCTION SHEET FOR ADDITIONAL INFORMATION.

WHEN ASSEMBLING A NON CRIMP HEIGHT ADJUST APPLICATOR (-6) USE SHIMS FROM ITEM 260 TO ACHIEVE A NOMINAL SHIM HEIGHT OF 4.54.

APPLICATOR STYLE CONVERSION CHART

PART NUMBERS REQUIRED

- - - - - -

SERVO LATCH PLATE 2119951-1 - 8-2151301-5 1901094-3 - 2168400-6 (QUANTITY 2)

SMART APPLICATOR 2161326-1 - 8-2151301-4 - - -

- - - - - -

PNEUMATIC FEED 2119950-1 1338685-1 5-18022-5 2119641-1 2119799-1 2063440-2

- - - - - -

- - - - - -

- - - - - -

- - - - - -

- - - - - -

APPLICATOR DATA

CRIMP SIZE TYPE

WIRE 1.78 mm [ .070 ] F

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TERMINAL APPLICATION SPECIFICATION

114-18365

TERMINALS APPLIED

TE TERMINAL TE TERMINAL TE TERMINAL TE TERMINAL

928909-1 928909-2 928909-3 928909-5

WIRE SIZE

CRIMP HEIGHT mm [ INCH ]

CRIMP HEIGHT REFERENCE SETTING

0.50mm2 1.26+/-0.05 [ .050+/- .002 ] 6.4

0.35mm2 1.19+/-0.05 [ .047+/- .002 ] 7.3

0.25mm2 1.15+/-0.05 [ .045+/- .002 ] 7.8

0.20mm2 1.13+/-0.05 [ .044+/- .002 ] 8

RECOMMENDED SPARE PARTS

GREASE BEARING SURFACES LIGHTLY

LUBRICATE DAILY PER THE APPLICATOR INSTRUCTION SHEET SUPPLIED WITH THE APPLICATOR.

APPLICATOR SPECIFIC DATA TO BE ENTERED INTO BLANK MEMORY CHIP AT ASSEMBLY. SEE BELOW FOR PART NUMBER:  
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SERVO FEED WITH "FINE CRIMP HEIGHT ADJUST": 8-2151301-5  
SERVO FEED WITH "NON-CRIMP HEIGHT ADJUST": 8-2151301-6

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FOR -6 ONLY APPLY PART NUMBER 1-23419-5 LOCTITE TO THREADS OF ITEMS 37 & 242.

GREASE THREADS, GROOVE AND O-RING ON ITEMS 35 & 252.

MAGNET, ITEM 166 MUST BE ORIENTED CORRECTLY IN ORDER TO PROPERLY ACTUATE THE COUNTER.

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.

TERMINAL PITCH NOT COMPATIBLE WITH MECHANICAL FEED.

TO CONVERT THE APPLICATOR TO A NON-CARRIER CUTTING STYLE, REMOVE ITEM 13 AND ATTACH TO THE LOCATION ON THE BACK SIDE OF THE HOUSING. REFER TO INSTRUCTION SHEET FOR ADDITIONAL INFORMATION.

WHEN ASSEMBLING A NON CRIMP HEIGHT ADJUST APPLICATOR (-6) USE SHIMS FROM ITEM 260 TO ACHIEVE A NOMINAL SHIM HEIGHT OF 4.54.

APPLICATOR STYLE CONVERSION CHART

PART NUMBERS REQUIRED

- - - - - -

SERVO LATCH PLATE 2119951-1 - 8-2151301-5 1901094-3 - 2168400-6 (QUANTITY 2)

SMART APPLICATOR 2161326-1 - 8-2151301-4 - - -

- - - - - -

PNEUMATIC FEED 2119950-1 1338685-1 5-18022-5 2119641-1 2119799-1 2063440-2

- - - - - -

- - - - - -

- - - - - -

- - - - - -

- - - - - -

SET UP GAUGE 2119599-1

LOC A

DIST 66

REVISIONS

REV LTR DESCRIPTION DATE DWN APVD

C ECR-13-002536 12FEB2013 LG TE

- - 1 - - 2119957-2 APPLICATOR SHIM PACK 260

- 1 - - 1 8-21084-0 O-RING, .676 ID, .070 DIA. MAT. 252

- - - - 1 2119640-1 PUSH ROD, AIR FEED 250

- - - - 1 2079988-1 BUSHING, LCH5-12, MISUMI 249

- - - - 1 2119641-1 FEED CAM, AIR FEED 248

- 1 - 1 1 2119798-1 DETENT PIN 247

- 1 - 1 1 1-22279-3 SPRING, COMPRESSION 246

- - 1 - - 2119758-1 RAM, AMP STYLE, SIDE FEED, NON-ADJ. 245

- 1 1 1 1 2119082-9 CAM, SNAIL, INSULATION ADJUSTMENT 244

- 1 1 1 1 2079764-1 WASHER, WAVE SPRING, CREST-TO-CREST 243

- 1 1 1 1 2119083-1 RETAINER, INSULATION DIAL 242

- 1 1 1 1 7-18023-7 SCR, SKT HD CAP M3 X 4.0 241

- - 2 2 - 2168400-6 SHCS, LOW HEAD, RoHS, M5 X 16 240

- - - - 1 2063440-2 AIR FEED MODULE 238

- - 1 1 - 2119740-2 TAG, IDENTIFICATION 213

- - 1 1 - 1901094-3 SPACER, FEEDER 198

- - - - 2 21045-3 RING, RETAIN, EXTERN, 3/16 CRESCENT 172

- 1 1 1 1 994969-1 MAGNET, RARE EARTH HIGH ENERGY 166

- REF REF REF REF 994970-2 COUNTER, MAGNETIC 164

- - - - 1 240638-1 SPRING, FEED FINGER 163

- - - - 1 3-23627-7 PIN, RETAIN, GRVD, 3/16 X .854 137

- - - - 1 2119799-1 HOLDER, FEED FINGER, AF 136

- - REF REF - SEE NOTE 4 MEMORY CHIP, PROGRAMMED 135

- - 1 1 - 1633743-1 SERVO FEED LATCH ASM 133

- 1 1 1 1 318563-1 GUARD, FRONT CHIP 119

- - REF REF - 2119944-1 FEED FINGER ASSEMBLY, SF 117

- 1 1 1 1 455888-3 SPACER, CRIMPER 82

- 1 1 1 1 2119956-1 DOCUMENTATION PACKAGE 71

- 1 - - 1 2119740-1 TAG, IDENTIFICATION 67

- 2 2 2 2 2168078-1 SCREW, DRIVE, RH, RoHS 66

- 1 - 1 1 2119793-1 LIMITER, ADJUSTMENT BOLT 63

- 3 - 3 3 992763-5 SCR, SET, SOC, CONE POINT, M3 x 4.0 62

- 1 1 1 1 2079383-4 SCR, BHSC, RoHS (M4 X 8) 60

- - - - 1 5-18022-5 SCR, HEX HD CAP, M4 X 6.0 59

- - - - 1 1338685-1 PAWL, FEED 56

- 4 4 4 4 2168400-1 SHCS, LOW HEAD, RoHS, M4 X 12 54

- 2 2 2 2 2168083-8 SCR, SKT HD CAP, RoHS, M4 X 16 53

- 1 1 1 1 5018030-1 NUT, HEX, REG, RoHS, M3 52

- 1 1 1 1 811242-5 BUMPER, HOLD DOWN 51

- 1 1 1 1 690753-2 SPACER, TONKER 50

- - - - 1 18023-9 SCR, SKT HD CAP M4 X 6.0 49

- 1 1 1 1 2119656-9 APPLICATOR BASIC ASSEMBLY, SF 46

- 1 - 1 1 2119370-1 RAM, AMP STYLE, SIDE FEED 44

- 1 1 1 1 2079383-7 SCR, BHSC, RoHS (M8 X 25) 41

- 1 - 1 1 2119645-1 DISC, NUMBERED FA WIRE ADJUSTMENT 40

- 1 - 1 1 2119957-1 APPLICATOR SHIM PACK 39

- 1 1 1 1 2119644-1 RAM WASHER, PRECISION 38

- 1 1 1 1 2119085-1 FA HEAD, ATLANTIC STYLE 37

- 1 - 1 1 2119092-1 BOLT, ADJUSTMENT 35

- 1 1 1 1 1752356-6 SUPPORT, TERMINAL 34

- 2 2 2 2 2079383-5 SCR, BHSC, RoHS (M4 X 20) 33

- 1 1 1 1 2161328-1 HEX HEAD, FLANGED, M5 x 8mm LONG 32

- 1 1 1 1 1320908-3 SPACER, STRIP GUIDE 30

- 1 1 1 1 2119959-2 ASSEMBLY, STRIP GUIDE 29

- 1 1 1 1 1-455888-0 SPACER, CRIMPER 28

- 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

- 1 1 1 1 1-18028-2 WASHER, FLAT, REG M4 20

- 1 1 1 1 2119533-1 STRIPPER, SIDE FEED 19

- 1 1 1 1 2119806-1 INSERT, SHEAR 13

- 1 1 1 1 3-22280-3 SPRING, COMPRESSION 12

- 1 1 1 1 1-356885-4 STOP, SHEAR 11

- 1 1 1 1 2119805-1 SHEAR HOLDER, FRONT 10

- 1 1 1 1 462006-6 FLOATING SHEAR, FRONT 9

1 1 1 1 1 2-1333203-4 ANVIL, COMBINATION 8

- 1 1 1 1 2-240641-9 SPACER 7

- - - - - - 6

- 1 1 1 1 2119757-8 DEPRESSOR, SHEAR 5

- 1 1 1 1 2-238011-2 BLOCK, CRIMPER SPACER 4

1 1 1 1 1 1-2119582-1 CRIMPER, INSULATION F PREMIUM 3

- 1 1 1 1 1-455888-1 SPACER, CRIMPER 2

1 1 1 1 1 5-657555-4 CRIMPER, WIRE PREMIUM 1

-77 -7 -6 -5 -2 PART NO DESCRIPTION ITEM NO

131 THE FOLLOWING IS A SUMMARY OF THE INFORMATION CONTAINED IN THIS DRAWING. IT IS SUBJECT TO CHANGE WITHOUT NOTICE AND THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST REVISION.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.02 3 PLC ±0.005 4 PLC ±0.0005 ANGLES ±.1

MATERIAL

DWN A. STAKEM 04OCT2011 CHK G. BAILEY 04OCT2011 T. ELBIN 04OCT2011

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

Customer Accessible Production Drawing

SCALE 1:1

SHEET 1 OF 4

REV C

NAME Ocean Side Feed Applicator

SIZE CASE CODE DRAWING NO 00779 ©=2151301

RESTRICTED TO

ATLANTIC VERSION

Shown on sheets 1 of 4 & 2 of 4

(Pacific version shown on sheets 3 of 4 & 4 of 4)

AMP 4805 REV 31MAR2000

SHEETS 3 & 4 ARE NOT REQUIRED FOR ATLANTIC VERSION



DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2003

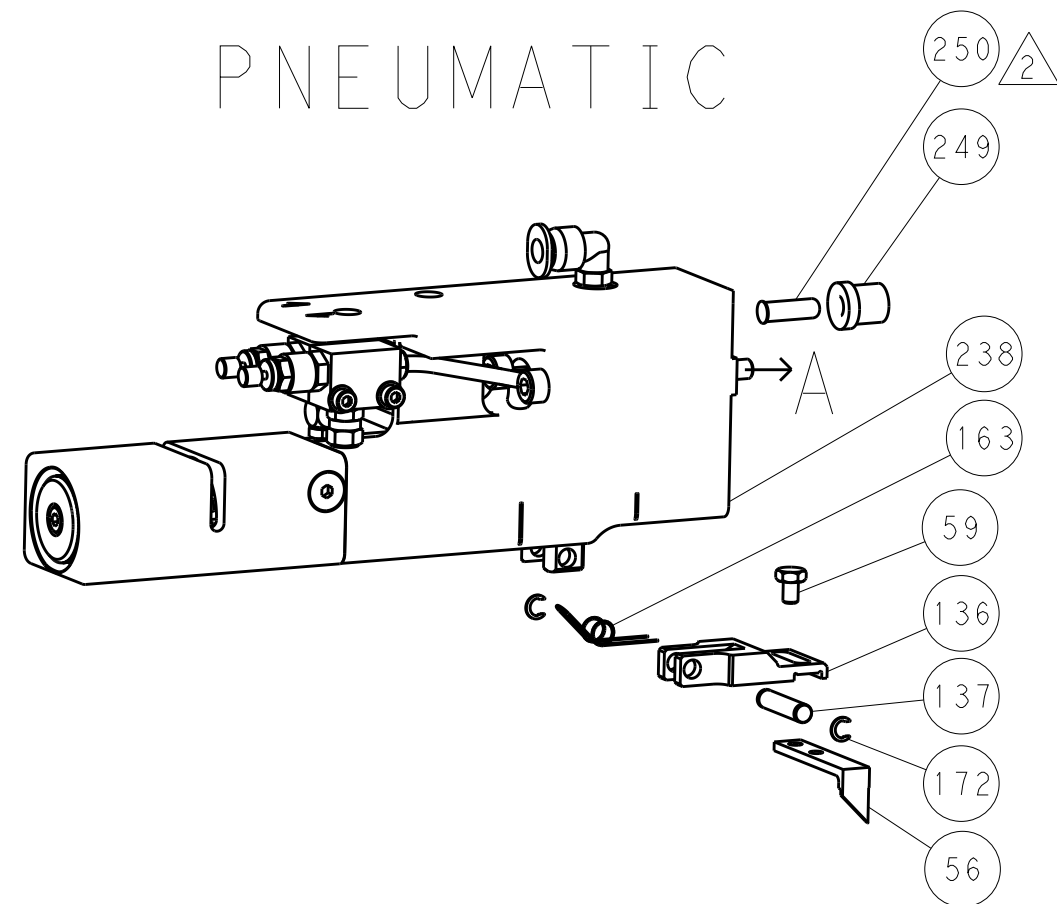
C

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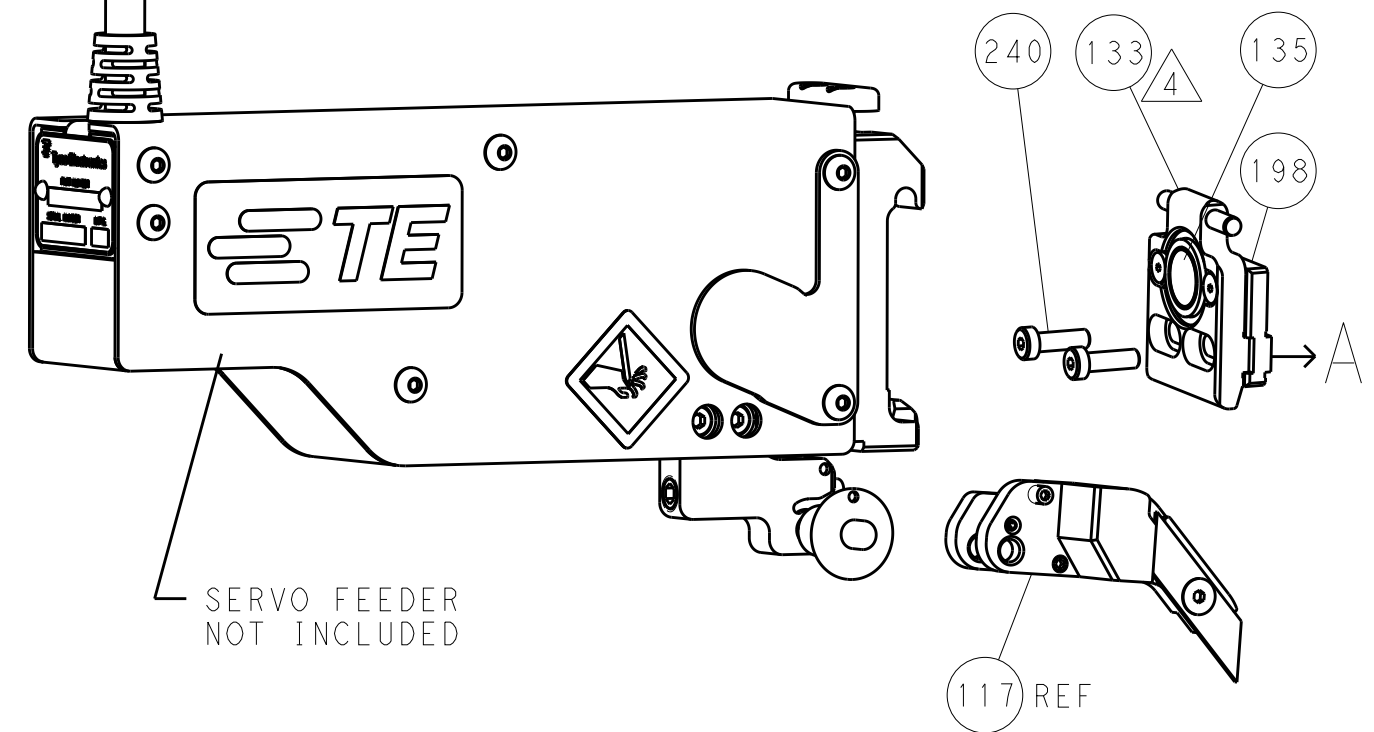
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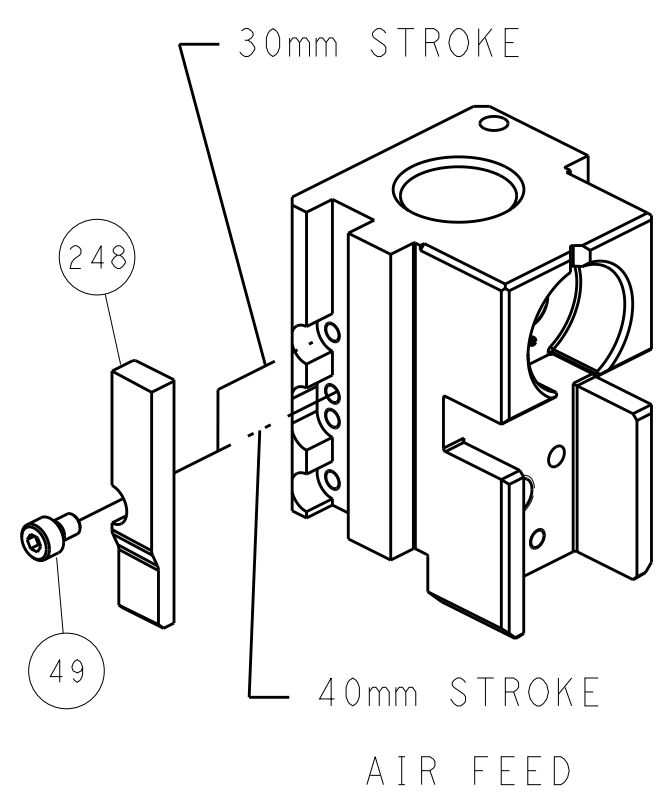
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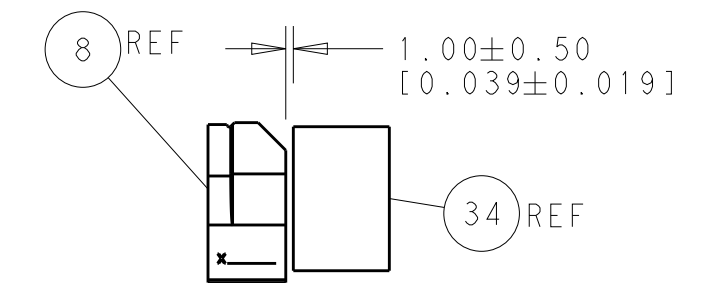
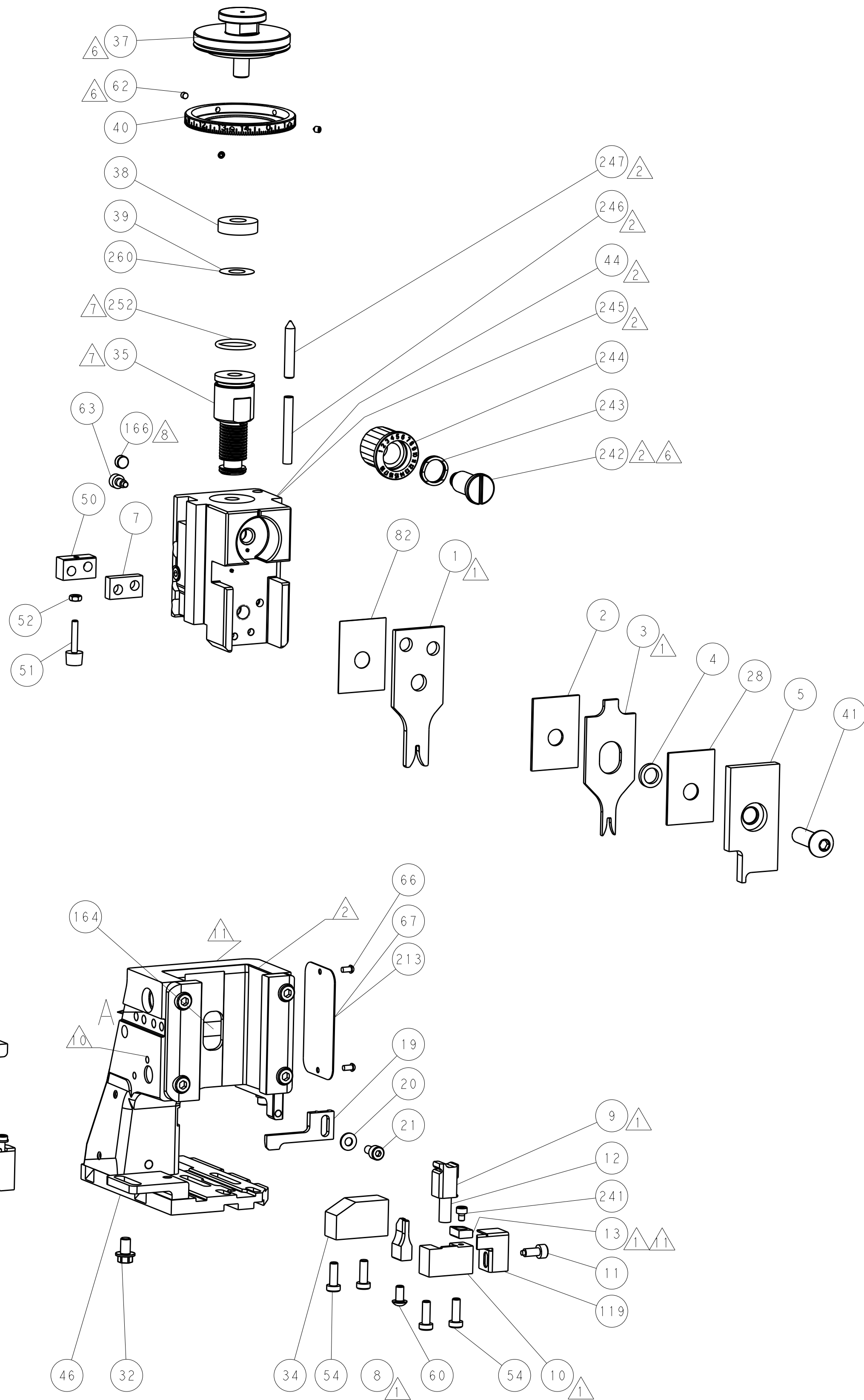
## SERVO LATCH PLATE



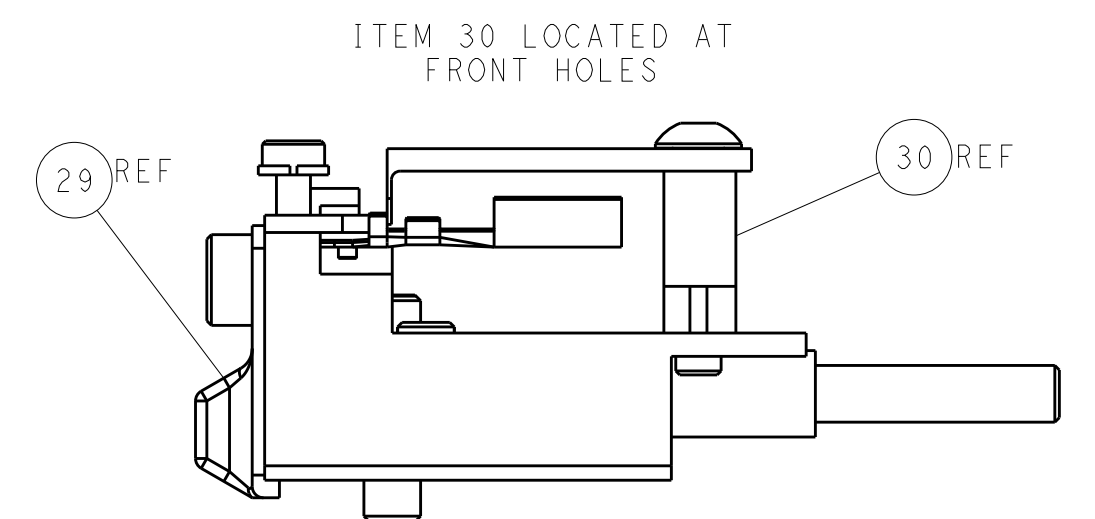
## CAM POSITION



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



TERMINAL SUPPORT LOCATION



FEED TRACK POSITION  
GUIDE BY INSULATION BARREL

|                                                                                                                                              |  |                                        |                                              |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|----------------------------------------------|--------------------|
| THIS DRAWING IS UNPUBLISHED. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. ANY CHANGES TO THIS DRAWING SHALL BE CONTACTED FOR THE LATEST REVISION. |  | OWN<br>K. STAKEM<br>04OCT2011          | TE Connectivity<br>Harrisburg, PA 17105-3608 |                    |
| DIMENSIONS:<br>mm                                                                                                                            |  | CHK<br>G. BAILEY<br>04OCT2011          |                                              |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.1<br>1 PLC ±0.1<br>2 PLC ±0.02<br>3 PLC ±0.005<br>4 PLC ±0.0005<br>ANGLES ±.1              |  | APVD<br>T. ELBIN<br>04OCT2011          | NAME<br>Ocean Side Feed<br>Applicator        |                    |
| MATERIAL<br>-                                                                                                                                |  | PRODUCT SPEC<br>-                      | SIZE<br>A1                                   |                    |
| FINISH<br>-                                                                                                                                  |  | APPLICATION SPEC<br>-                  | CAGE CODE<br>00779                           |                    |
| -                                                                                                                                            |  | WEIGHT<br>-                            | DRAWING NO<br>C=2151301                      |                    |
| -                                                                                                                                            |  | Customer Accessible Production Drawing |                                              | RESTRICTED TO<br>- |
| -                                                                                                                                            |  | SCALE<br>1:1                           |                                              | SHEET<br>2 OF 4    |
| -                                                                                                                                            |  | REV<br>C                               |                                              |                    |

SHEETS 3 & 4 ARE NOT REQUIRED FOR ATLANTIC VERSION

C

B

A







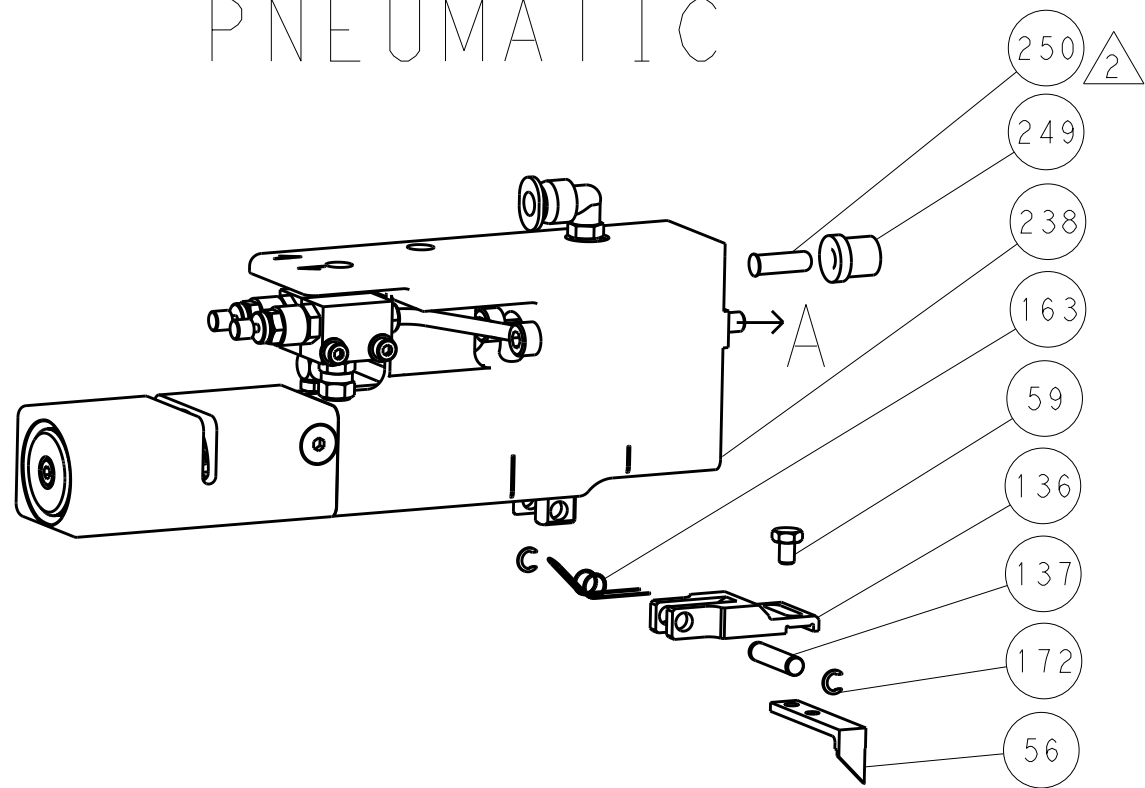
DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2003

C

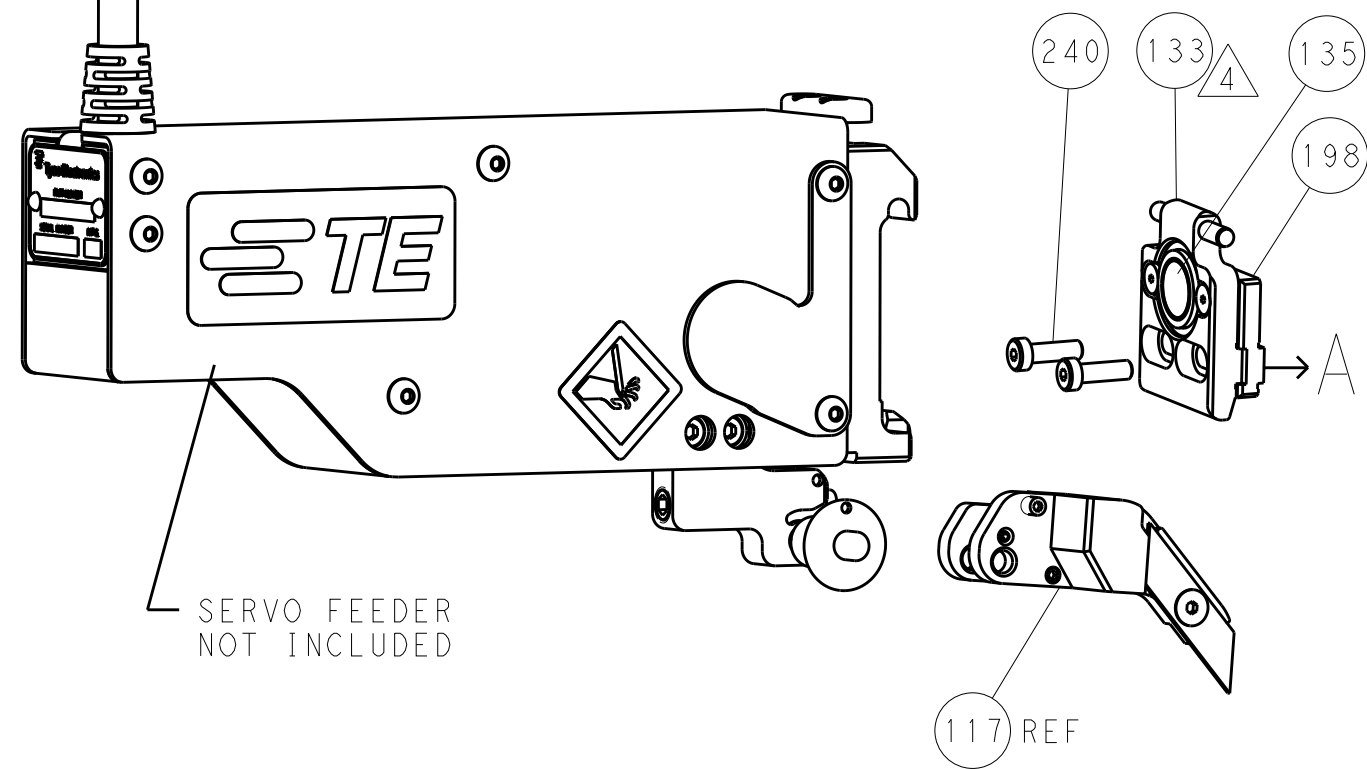
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A

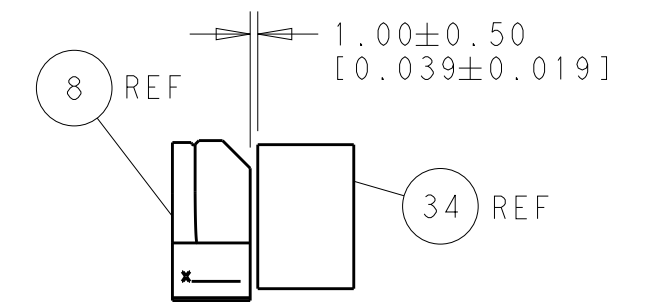
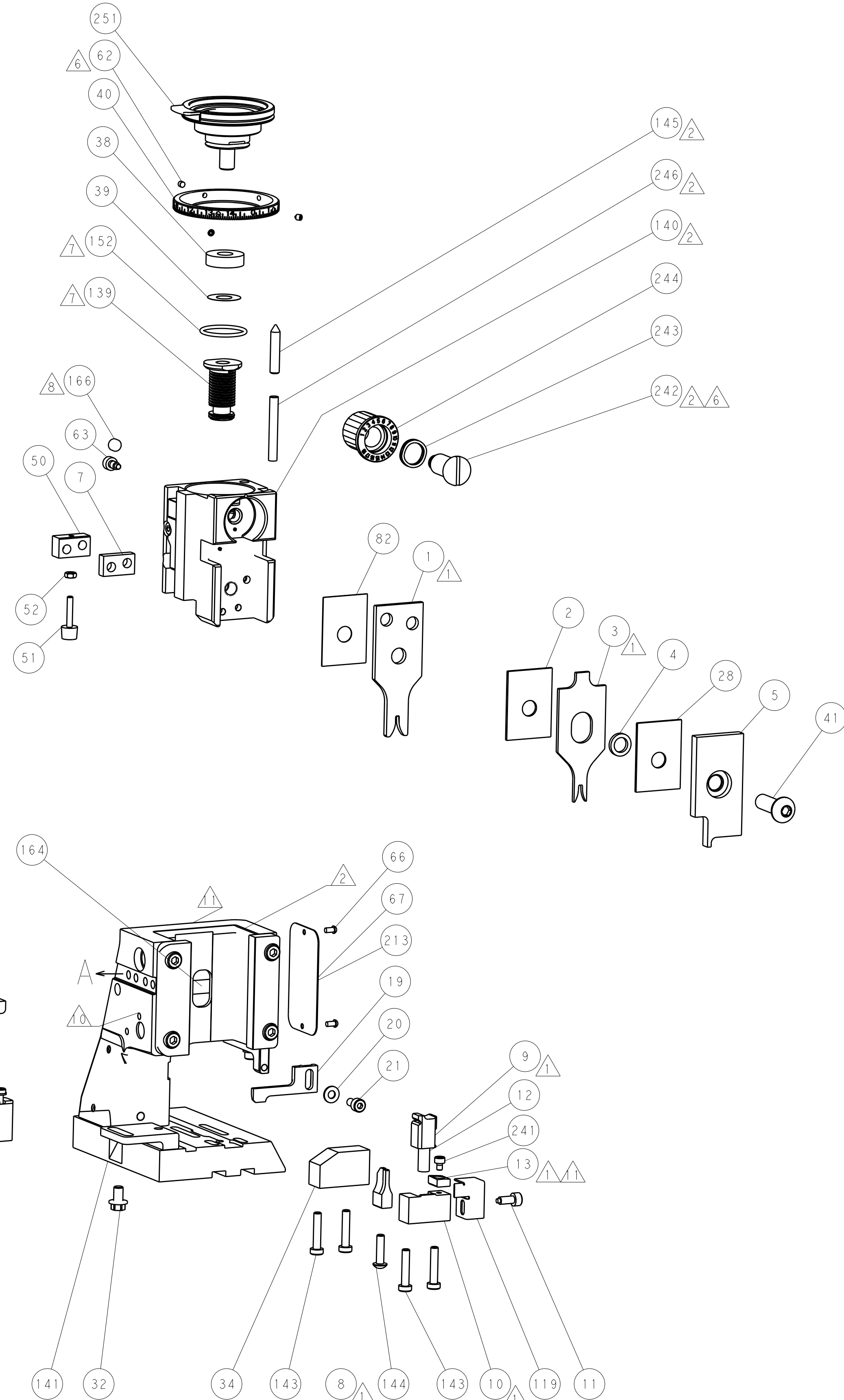
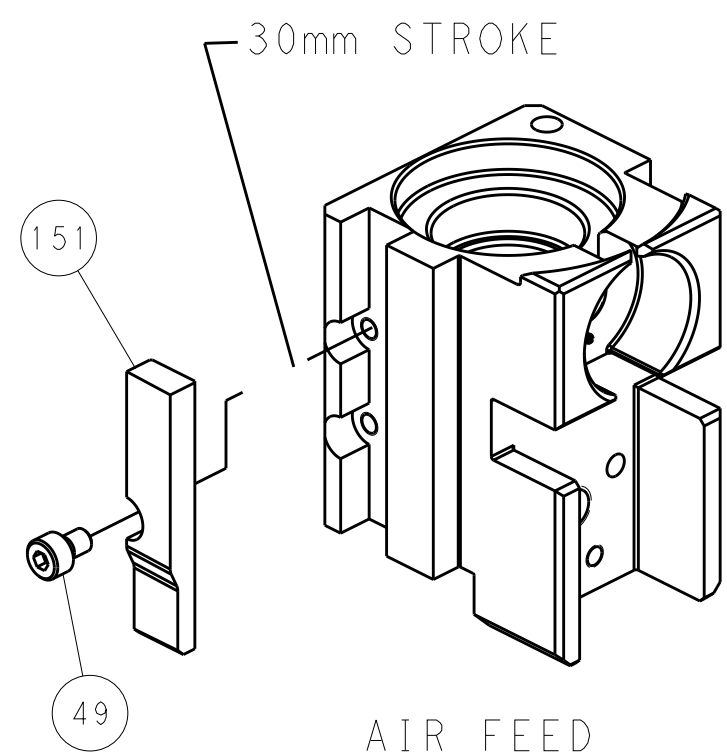
# FEED TYPE PNEUMATIC



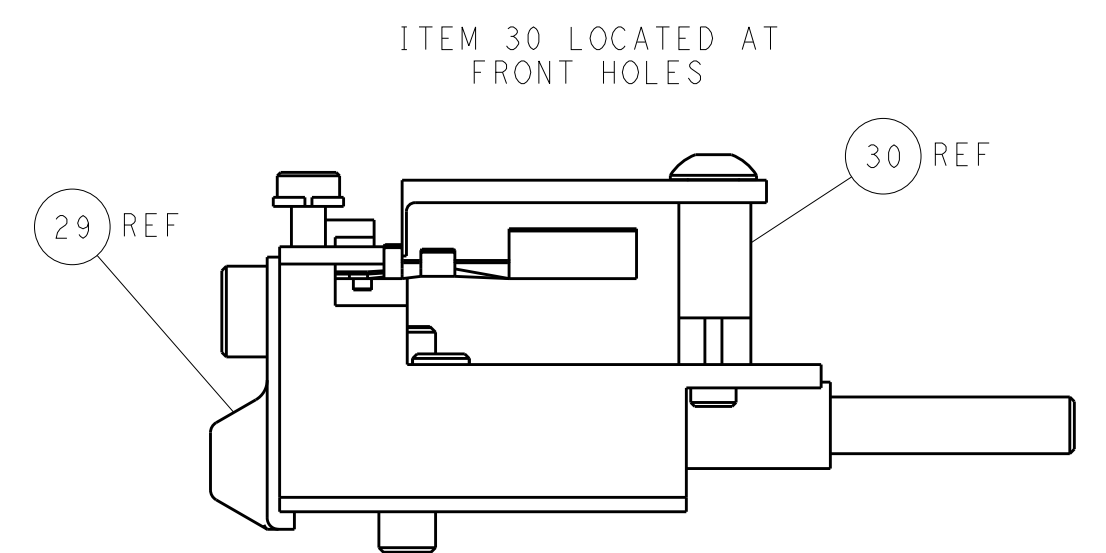
# SERVO LATCH PLATE



# CAM POSITION



TERMINAL SUPPORT LOCATION



FEED TRACK POSITION  
GUIDE BY INSULATION BARREL

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

|                                                                                                                                                                                                                                                                          |  |                                        |                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|----------------------------------------------|--|
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| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                                                                                                                                                                                |  | APVD<br>T. FLIN<br>04OCT2011           | SIZE<br>A1                                   |  |
| 0 PLC ±.1                                                                                                                                                                                                                                                                |  | PRODUCT SPEC                           | CAGE CODE<br>00779                           |  |
| 1 PLC ±0.1                                                                                                                                                                                                                                                               |  | APPLICATION SPEC                       | DRAWING NO<br>C=2151301                      |  |
| 2 PLC ±0.02                                                                                                                                                                                                                                                              |  | WEIGHT                                 | SCALE<br>1:1                                 |  |
| 3 PLC ±0.005                                                                                                                                                                                                                                                             |  | RESTRICTED TO                          | SHEET<br>4                                   |  |
| 4 PLC ±0.0005                                                                                                                                                                                                                                                            |  | Customer Accessible Production Drawing | OF<br>4                                      |  |
| ANGLES                                                                                                                                                                                                                                                                   |  |                                        | REV<br>C                                     |  |
| FINISH                                                                                                                                                                                                                                                                   |  |                                        |                                              |  |