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LTR	DESCRIPTION	DATE	APPROVED	REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED			
T	REVISED E DIM FOR -105/-107; IS .312 WAS .250	10-13-97	T. C.				
U	SEE ECN U	1/13/99	T. C.		P	REDRAWN, ADDED -99	4-21-97 T. C.
V	SEE ECN V				Q	ADDED -101, -103	4-30-97 T. C.
					R	ADDED -105, -107	7-31-97 T. C.
					S	ADDED -109, -111	9-12-97 T. C.

NOTES: UNLESS OTHERWISE SPECIFIED.

- REMOVE ALL BURRS AND BREAK SHARP EDGES.
- MAT'L REF.: TURN; 2024-T4/T351 OR 7075-T6/T651 PER ASTM B-209, OR EQUIV. ALL OTHER COMPS; 303 CRES, COND. A, PER AMS-5640N, OR EQUIV.
- FINISH REF.: CRES; SATIN BRUSH AND PASSIVATE PER AMS-QQ-P-35, OR EQUIV.

4 DECORATIVE FINISH REF.: BRIGHT POLISH, AND ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED CANDY APPLE RED, OR EQUIV.

5 DECORATIVE FINISH REF.: SATIN BRUSH LENGTHWISE TO PART SURFACE, & CLEAR ANODIZE PER MIL-A-8625, TYPE II, CLASS 1, OR EQUIV.

6 ROTATION: 360°; DETENTED EVERY 90°.

7 ROTATION: 180°; DETENTED EVERY 90°.

8 ROTATION: 90° RIGHT HAND.

9 ROTATION; 90° LEFT HAND.

10. THE FOLLOWING STATIC LOAD IS FOR REFERENCE USE ONLY. IT IS PROVIDED FOR CUSTOMER ENGINEERING TO DETERMINE THE GENERAL SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE. ALTHOUGH SKYLOCK IS PROVIDING THE REFERENCE STATIC LOAD, THE CUSTOMER IS ULTIMATELY RESPONSIBLE FOR CERTIFICATION OF THE PRODUCT FOR ITS SPECIFIC APPLICATION. REFERENCE STATIC LOAD: 1935 LBS. MAX. (-1 TO -9, -19 TO -27, -47, -49, -63 TO -67, -75, -77, -79, -95 TO -99, -103, -107)
 1200 LBS. MAX. (-11 TO -17, -29 TO -35)
 900 LBS. MAX. (-37, -41)
 4000 LBS. MAX. (-39, -43, -45, -51 TO -61, -69 TO -73, -101)
 2000 LBS. MAX. (-81 TO -93, -105, -109, -111)

11 REMOVED.

12 REMOVED.

13 REMOVED.

14 REMOVED.

15. SHAFT NEEDS NO TORQUE ADJUSTMENT; TIGHTEN SHAFT AS MUCH AS POSSIBLE WHEN INSTALLING RETAINER.

16. ALL RETAINERS HAVE THREADS COATED WITH VC-3 (VISCOUS COATING VIBRATITE).

17 ROTATION: 90° RIGHT HAND, DETENTED EVERY 45°.

18 ROTATION: 90° LEFT HAND, DETENTED EVERY 45°.

19 ROTATION: 180°, DETENTED EVERY 45°.


20 REMOVED

21 MAT'L REF.: 7075-T6/T651 PER ASTM-B-221, OR EQUIV.

22. APPLICABLE TO FAA-PMA REPLACEMENT OR MODIFICATION PARTS ONLY. PER FAR 45.15, PARTS WILL BE IDENTIFIED WITH:

- FAA-PMA.
- SKYLOCK IND. INC.
- PART NO.
- AIRCRAFT INSTALLATION ELIGIBILITY.

.250 .100 2.74 1.24 2.12	-61	RETAINER	5 9	120636-61						
.250 .100 2.74 1.24 2.12	-59	RETAINER	5 8	120636-59						
.250 .100 2.74 1.24 2.12	-57	RETAINER	5 7	120636-57						
.250 .100 3.50 1.24 2.88	-55	RETAINER	4 7	120636-55						
.250 .100 5.12 .74 MAX. 4.50	-53	RETAINER	4 7	120636-53						
.250 .100 2.365 .74 MAX. 1.74	-51	RETAINER	4 7	120636-51						
.250 .100 5.12 2.00 4.50	-49	RETAINER	4 9	120636-49						
.250 .100 5.12 2.00 4.50	-47	RETAINER	4 8	120636-47						
.250 .100 2.74 2.00 2.12	-45	RETAINER	4 8	120636-45						
.250 .100 2.74 2.00 2.12	-43	RETAINER	4 9	120636-43						
.250 .100 9.42 1.24 8.80	-41	RETAINER	4 7	120636-41						
.250 .100 2.74 1.24 2.12	-39	RETAINER	4 7	120636-39						
.250 .100 8.12 1.24 7.50	-37	RETAINER	4 7	120636-37						
.250 .100 6.62 1.24 6.00	-35	RETAINER	5 9	120636-35						
.250 .100 6.62 1.24 6.00	-33	RETAINER	5 8	120636-33						
.250 .100 6.62 1.24 6.00	-31	RETAINER	5 7	120636-31						
.250 .100 6.62 1.24 6.00	-29	RETAINER	5 6	120636-29						
.250 .100 5.12 .74 MAX. 4.50	-27	RETAINER	5 6	120636-27						
.250 .100 5.12 1.24 4.50	-25	RETAINER	5 9	120636-25						
.250 .100 5.12 1.24 4.50	-23	RETAINER	5 8	120636-23						
.250 .100 5.12 1.24 4.50	-21	RETAINER	5 7	120636-21						
.250 .100 5.12 1.24 4.50	-19	RETAINER	5 6	120636-19						
.250 .100 6.62 1.24 6.00	-17	RETAINER	4 9	120636-17						
.250 .100 6.62 1.24 6.00	-15	RETAINER	4 8	120636-15						
.250 .100 6.62 1.24 6.00	-13	RETAINER	4 7	120636-13						
.250 .100 6.62 1.24 6.00	-11	RETAINER	4 6	120636-11						
.250 .100 5.12 .74 MAX. 4.50	-9	RETAINER	4 6	120636-9						
.250 .100 5.12 1.24 4.50	-7	RETAINER	4 9	120636-7						
.250 .100 5.12 1.24 4.50	-5	RETAINER	4 8	120636-5						
.250 .100 5.12 1.24 4.50	-3	RETAINER	4 7	120636-3						
.250 .100 5.12 1.24 4.50	-1	RETAINER	4 6	120636-1						
E DIM	D DIM	C DIM	A DIM	Q DIM	PART NO.	DESCRIPTION	MATERIAL	SIZE	SPECIFICATION	MAKE FROM

PARTS LIST		UNLESS OTHERWISE SPECIFIED		DRAWN BY	
DIMENSIONS ARE IN INCHES		DIMENSIONS ON		T. S. 3-7-89	
DECIMALS ANGLES DRILLED HOLES		TOLERANCES ON		CHECKED DEAN VO 1/13/99	
.X ± .1 ± 0° 30' AND 10387		ENGINEER T. CSIK 1/13/99		 SKYLOCK INDUSTRIES INCORPORATED MONROVIA CALIFORNIA U.S.A.	
.XXX ± .010		MFG P. MATSUOKA 1/22/99			
DO NOT SCALE THIS DRAWING		QC J. VIVIRITO 2/2/99		20636 RETAINER	
MATERIAL - FINISH		USED ON			
NEXT ASSY		SCALE NONE		SIZE CODE IDENT. NO. DRAWING NO. REV. C 51941 20636 V	
MANUFACTURE IN ACCORDANCE WITH SKYLOCK IND. INC., QUALITY CONTROL MANUAL QC.001		SCALE NONE		SHEET 1 OF 3	

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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHT. 1 FOR NOTES		

.250	.100	5.87	1.24	5.25	-111	RETAINER	$\triangle \begin{matrix} 4 \\ 8 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-111
.250	.100	5.87	1.24	5.25	-109	RETAINER	$\triangle \begin{matrix} 4 \\ 9 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-109
.312	.100	4.00	1.50	3.38	-107	RETAINER	$\triangle \begin{matrix} 5 \\ 9 \end{matrix}$	120636-107
.312	.100	5.12	1.50	4.50	-105	RETAINER	$\triangle \begin{matrix} 5 \\ 17 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-105
.250	.100	5.12	2.00	4.50	-103	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix}$	120636-103
.250	.100	2.74	2.00	2.12	-101	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix}$	120636-101
.250	.100	1.88	1.24	1.25	-99	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix}$	120636-99
.250	.100	4.00	1.24	3.38	-97	RETAINER	$\triangle \begin{matrix} 5 \\ 9 \end{matrix}$	120636-97
.250	.100	4.00	1.24	3.38	-95	RETAINER	$\triangle \begin{matrix} 5 \\ 8 \end{matrix}$	120636-95
.250	.100	5.12	1.24	4.50	-93	RETAINER	$\triangle \begin{matrix} 5 \\ 17 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-93
.250	.100	5.12	1.24	4.50	-91	RETAINER	$\triangle \begin{matrix} 5 \\ 18 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-91
.250	.100	3.62	1.24	3.00	-89	RETAINER	$\triangle \begin{matrix} 4 \\ 8 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-89
.250	.100	3.62	1.24	3.00	-87	RETAINER	$\triangle \begin{matrix} 4 \\ 9 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-87
.560	.100	5.12	1.24	4.50	-85	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-85
.250	.100	5.12	1.24	4.50	-83	RETAINER	$\triangle \begin{matrix} 4 \\ 8 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-83
.250	.100	5.12	1.24	4.50	-81	RETAINER	$\triangle \begin{matrix} 4 \\ 9 \end{matrix} \triangle \begin{matrix} 21 \\ 21 \end{matrix}$	120636-81
.250	.100	4.00	1.24	3.37	-79	RETAINER	$\triangle \begin{matrix} 4 \\ 18 \end{matrix}$	120636-79
.250	.100	4.00	1.24	3.37	-77	RETAINER	$\triangle \begin{matrix} 4 \\ 17 \end{matrix}$	120636-77
.250	.100	3.12	1.24	2.50	-75	RETAINER	$\triangle \begin{matrix} 4 \\ 8 \end{matrix}$	120636-75
.250	.100	2.74	.76 MAX.	2.12	-73	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix}$	120636-73
.250	.100	2.74	1.24	2.12	-71	RETAINER	$\triangle \begin{matrix} 4 \\ 8 \end{matrix}$	120636-71
.250	.100	2.74	1.24	2.12	-69	RETAINER	$\triangle \begin{matrix} 4 \\ 9 \end{matrix}$	120636-69
.250	.050	5.12	1.24	4.50	-67	RETAINER	$\triangle \begin{matrix} 4 \\ 19 \end{matrix}$	120636-67
.250	.100	3.12	1.24	2.50	-65	RETAINER	$\triangle \begin{matrix} 4 \\ 9 \end{matrix}$	120636-65
.250	.100	8.62	.74 MAX.	8.00	-63	RETAINER	$\triangle \begin{matrix} 4 \\ 7 \end{matrix}$	120636-63
E DIM	D DIM	C DIM	A DIM	C DIM	PART NO.	DESCRIPTION	MATERIAL SIZE SPECIFICATION	MAKE FROM

PARTS LIST

 SKYLOCK INDUSTRIES INCORPORATED
MONROVIA CALIFORNIA U. S. A.

20636 RETAINER

SIZE	CODE IDENT. NO.	DRAWING NO.	REV.
C	51941	20636	V
SCALE	NONE	VT.	SHEET 2 OF 3

4

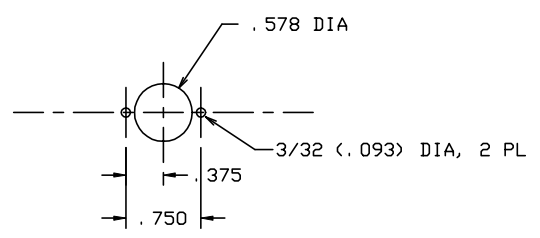
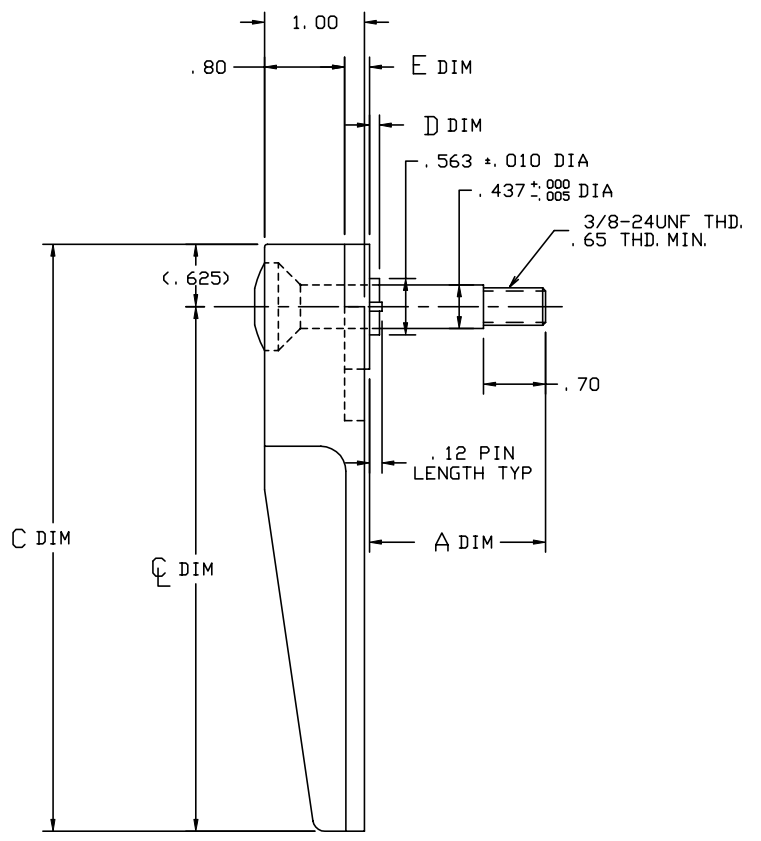
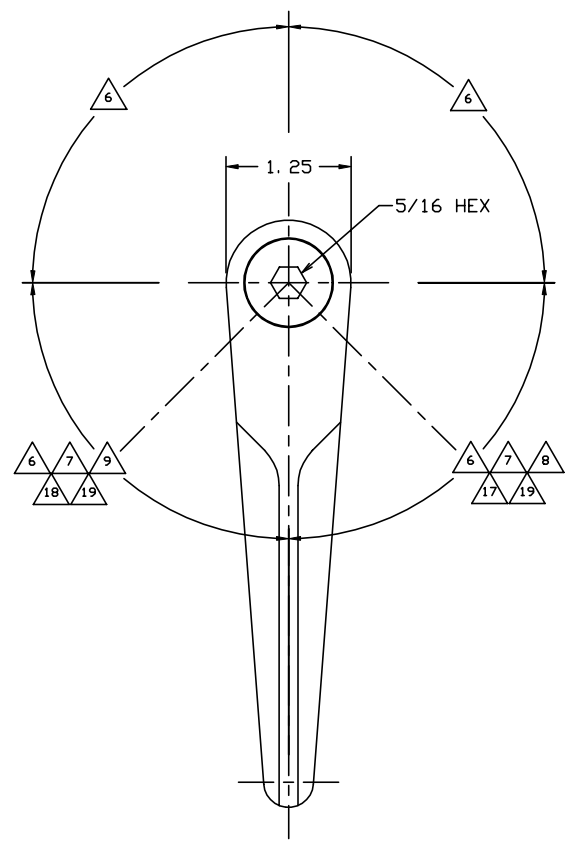
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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHT. 1 FOR NOTES		



TYPICAL RETAINER

SUGGESTED PANEL CUTOUT

SKYLOCK INDUSTRIES INCORPORATED
MONROVIA CALIFORNIA U. S. A.

20636 RETAINER

SIZE	CODE IDENT. NO.	DRAWING NO.	REV.
C	51941	20636	V
SCALE	NONE	VT.	SHEET 3 OF 3