

ITEM NO.	QTY.	DS	PART NO.	TITLE
1	1	A	8085	LUER - MALE-1/8 BARB
2	4	-	9014	SET SCREW - HSSS #8-32 X 1/8 SS
3	2	-	9024	RETAINING RING - EXT-17 MM
4	8	-	9096	SCREW - SHCS 1/4-20 X 2 1/2 ZP
5	2	-	9097	SCREW - SHCS 10-32 X 1/2 ZP
6	2	-	9098	SCREW - SHCS 1/4-20 X 1/2 ZP
7	2	-	9121	SCREW - SBHCS 5/16-18 X 1/2 ZP
8	1	-	9127	SCREW - SHSS 1/2-13 X 1 ZP
9	1	-	9153	SCREW - HHCS 1/4-20 X 2-1/4 ZP
10	5	-	9157	SCREW - HHCS 1/4-20 X 1 GR5 ZP
11	2	-	9161	SCREW - HHCS 1/4-20 X 2-3/4 ZP
12	1	-	9163	SCREW - HHCS 1/4-20 X 1-3/4 ZP
13	2	-	9164	SCREW - HHCS 1/4-20 X 1-1/2 ZP
14	6	-	9200	SCREW - HHCS 3/8-16 X 3/4 ZP
15	11	-	9225	NUT - HELN 1/4-20 ZP
16	1	-	9227	NUT - HRLN 3/8-16 ZP
17	8	-	9242	NUT - HEJN 1/4-20 ZP
18	2	-	9248	NUT - HMSN #6-32 ZP
19	8	-	9252	SCREW - CRPHMS 1/4-20 X 1/4 ZP
20	2	-	9255	SCREW - CRPHMS #6-32 X 1/4 ZP
21	4	-	9266	SCREW - CRPHMS #4-40 X 1/8 ZP
22	4	-	9272	SCREW - CRPHTS-TF #6-32 X 1/2 BLK
23	3	-	9285	SCREW - CRPHTS-TF 10-24 X 3/4 ZP
24	6	-	9291	SCREW - CRPHTS-TAB 8 X 1/2 ZP
25	2	-	9292	NUT - HEJN #10-32 ZP
26	2	-	9331	SCREW - CRTHMS 10-24 X 3/8
27	2	-	9338	NUT - 10-24 X 5/8 COMBO HEAD
28	2	-	9341	WASHER-ETLW #10 ZP
29	6	-	9355	WASHER - FW-ACFT-3/8 ZP
30	2	-	9357	WASHER - ITLW 1/4 ZP
31	2	-	9389	WASHER - ITLW 5/16 ZP
32	2	-	9391	WASHER - FW ACFT 1/4 SS
33	1	A	105443	DECAL - SERIAL NUMBER
34	2	B	110830	ASSY - TB VALVE-DIG
35	1	A	115323	FILTER - IN LINE
36	8	A	115423	TIE - 8 IN-PL BLK
37	4	A	135055	STEM BUMPER
38	1	A	170891	ASSY - MUFFLER-LONG
39	2	A	172180	PLUNGER
40	2	A	175500	SPRING - PLUNGER
41	2	A	215502	RETAINING RING - 1.70 OD
42	2	A	225400	BEARING - 6203ZZ-SHIELDED
43	1	A	265310	Y CONNECTOR - 1/8 DIA-PL
44	1	A	280811	ASSY - TANK-145 CU IN
45	1	A	295604	PLAC - ENG-LOW DISP
46	2	A	300807	ASSY - HANDLE GRIP
47	1	B	300815	ASSY - CYL & PULLEY BRKT
48	1	B	300925	WELDT - POWER MODULE-FT
49	1	B	300930	WELDT - TPL PULLEY BRKT-FT
50	1	A	300932	WELDT - DISPLAY MT
51	2	A	301830	PLATE - BACK-ADJ ELBOW
52	1	B	302057	COVER - BACK-FT
53	2	A	302184	SHAFT - COUNTER WT
54	4	A	305000	CLEVIS - ROPE
55	2	A	305004	THROAT - JEWEL BLOCK
56	2	A	305007	TUBE - ELBOW-FT
57	2	B	305016	ELBOW - MOLDED-LH
58	2	B	305017	ELBOW - MOLDED-RH
59	2	B	305018	HOUSING - L PULLEY-SNGL
60	2	B	305019	HOUSING - R PULLEY-SNGL
61	2	B	305021	ARM - LOCK
62	2	A	305050	SHELL - CLEVIS
63	1	B	305060	COVER - TOP-FT
64	20	A	305062	BUSHING - 026067029
65	1	A	305064	BUMPER - PULLEY BRACKET
66	12	A	305065	PULLEY - 2.500 DIA-MOLDED
67	2	A	305411	LINK - HANDLE
68	2	A	305412	SLEEVE - ROPE
69	4	A	305417	BALL - 0.750-CRM ST GR 25
70	1	A	305602	PLACARD - ENG-FT
71	1	A	305607	DECAL - RH PLATE-PLUNGER ADJ
72	1	A	305608	DECAL - INF. SERIES-FT & TT
73	1	A	305609	DECAL - LH PLATE-PLUNGER ADJ
74	2	A	555059	KNOB - T-BLACK
75	1	A	600882	DISPLAY BOX - 2 WIN
76	1	A	605060	DISPLAY BOX - BACK-MODIFIED
77	1	A	605428	GROUND CLAMP - DISPLAY
78	1	A	953108	TUBING - 1/4 URETHANE BLK
79	1	A	954212	ROPE - 5mm POLYESTER/NYLON
80	1	A	955300	STRIP - PROTECTOR-4 INCH
81	2	A	962004	CONNECTOR - 2 MM

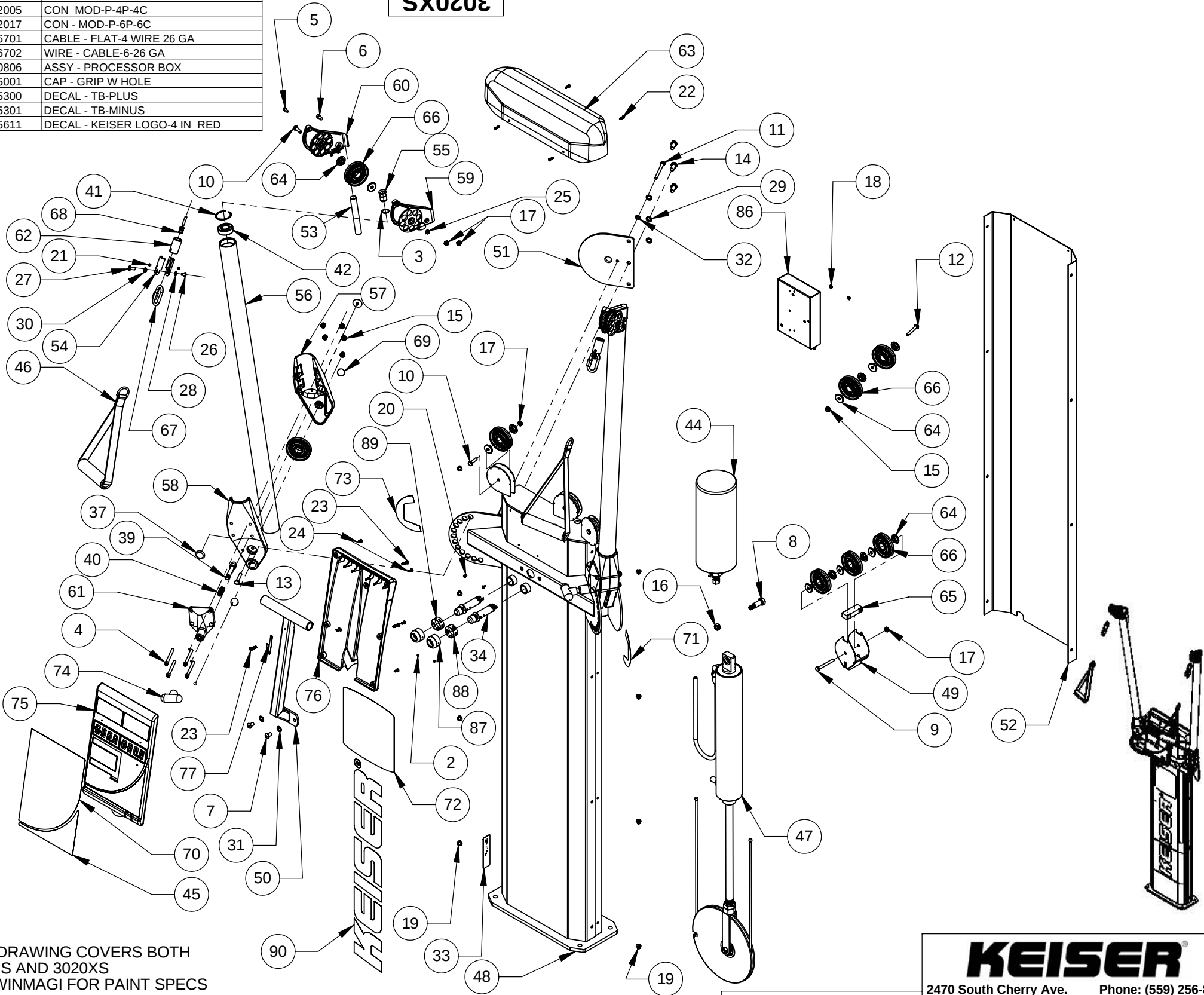
ITEM NO.	QTY.	DS	PART NO.	TITLE
82	2	A	962005	CON MOD-P-4P-4C
83	2	A	962017	CON - MOD-P-6P-6C
84	1	A	966701	CABLE - FLAT-4 WIRE 26 GA
85	1	A	966702	WIRE - CABLE-6-26 GA
86	1	B	990806	ASSY - PROCESSOR BOX
87	2	A	995001	CAP - GRIP W HOLE
88	1	A	995300	DECAL - TB-PLUS
89	1	A	995301	DECAL - TB-MINUS
90	1	A	995611	DECAL - KEISER LOGO-4 IN RED

NOTES:

- (1) THIS DRAWING COVERS BOTH 3020PS AND 3020XS
(2) SEE WINMAGI FOR PAINT SPECS

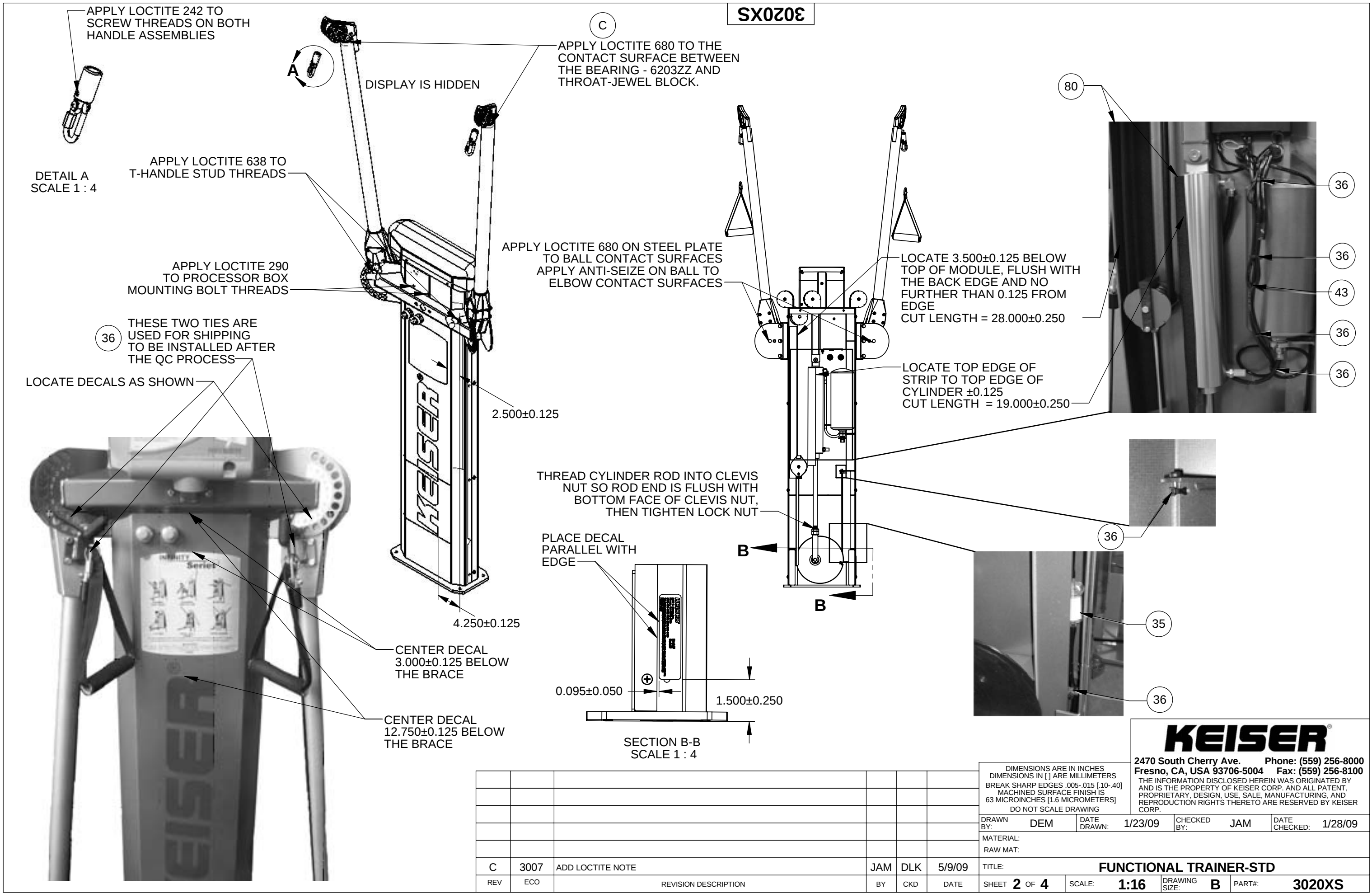
C	3007	ADD LOCTITE NOTE	JAM	DLK	5/9/09	
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE	

SX0Z0E



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DRAWN BY: DEM	DATE DRAWN: 1/23/09	CHECKED BY: JAM	DATE CHECKED: 1/28/09
MATERIAL: RAW MAT:			
TITLE: FUNCTIONAL TRAINER-STD			
SHEET 1 OF 4	SCALE: 1:12	DRAWING SIZE: B	PART#: 3020XS



PRINTED ON: 5/11/2009 SW2001 V5

X:\drawings\REVISION\30_PULLEY_MACHINES\

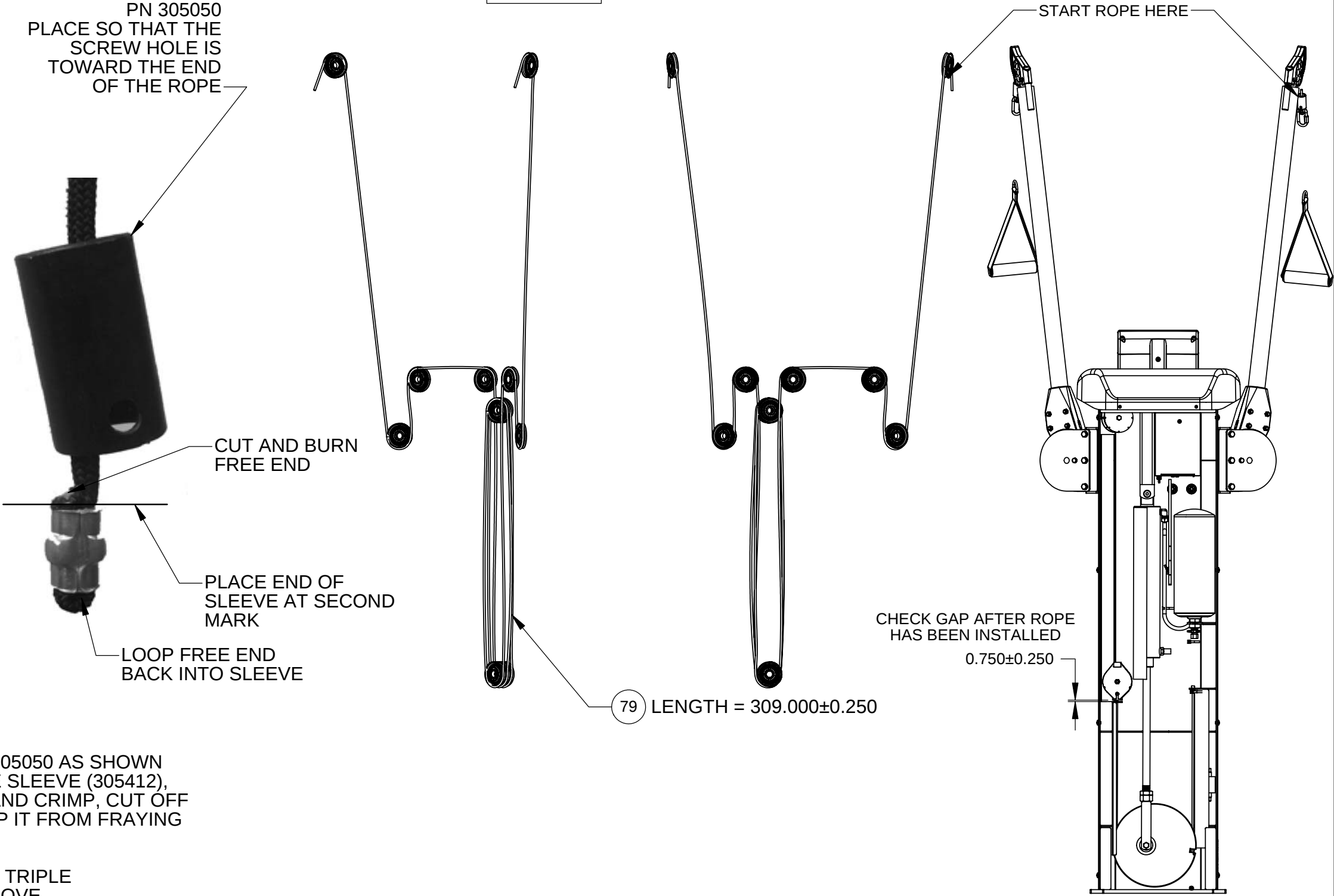
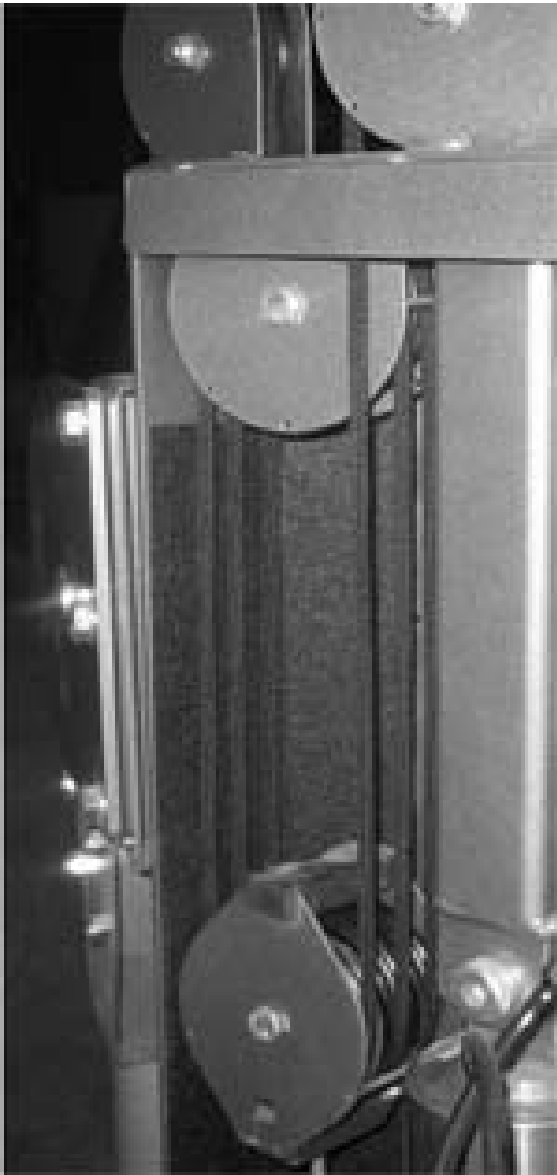
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MATERIAL: RAW MAT:			
TITLE: FUNCTIONAL TRAINER-STD			
SHEET 2 OF 4	SCALE: 1:16	DRAWING SIZE: B	PART#: 3020XS

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REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE	



ROPE INSTALLATION INSTRUCTIONS:

- (1) ROUTE ROPE THROUGH MACHINE AND PN 305050 AS SHOWN
- (2) INSERT LEFT END OF ROPE INTO ONE ROPE SLEEVE (305412), FEED LOOSE END BACK INTO THE SLEEVE AND CRIMP, CUT OFF EXCESS ROPE, AND BURN THE END TO KEEP IT FROM FRAYING (SEE THE PICTURE FOR DETAIL)
- (3) PRESSURIZE CYLINDER TO 20 PSI
- (4) PULL UNCLAMPED END OF ROPE UNTIL THE TRIPLE PULLEY BRACKET (PN 300930) BEGINS TO MOVE
- (5) MARK ROPE AT EDGE OF PULLEY HOUSING (PNS 305018,19)
- (6) RELEASE PRESSURE FROM CYLINDER
- (7) MAKE A SECOND MARK ON THE ROPE 2.750 ± 0.125 FROM THE FIRST MARK, AWAY FROM THE FREE END OF THE ROPE
- (8) ROUTE ROPE THROUGH ONE OF PN 305050
- (9) INSERT THE FREE END OF THE ROPE INTO ONE ROPE SLEEVE (305412) UNTIL THE SECOND MARK IS EVEN WITH THE SLEEVE, BUT DOES NOT ENTER IT
- (10) FEED THE LOOSE END OF THE ROPE BACK INTO THE SLEEVE, AS SHOWN ABOVE, THEN CRIMP, CUT, AND BURN THE FREE END, SEE STEP 2

							DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS BREAK SHARP EDGES .005-.015 [.10-.40] MACHINED SURFACE FINISH IS 63 MICROINCHES [1.6 MICROMETERS] DO NOT SCALE DRAWING	2470 South Cherry Ave. Phone: (559) 256-8000 Fresno, CA, USA 93706-5004 Fax: (559) 256-8100 THE INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF KEISER CORP. AND ALL PATENT, PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING, AND REPRODUCTION RIGHTS THERETO ARE RESERVED BY KEISER CORP.			
							DRAWN BY: DEM	DATE DRAWN: 1/23/09	CHECKED BY: JAM	DATE CHECKED: 1/28/09	
							MATERIAL:				
							RAW MAT:				
C	3007	ADD LOCTITE NOTE				JAM	DLK	5/9/09	TITLE: FUNCTIONAL TRAINER-STD		
REV	ECO	REVISION DESCRIPTION				BY	CKD	DATE	SHEET 3 OF 4	SCALE: 1:12	DRAWING SIZE: B PART#: 3020XS

SX020E

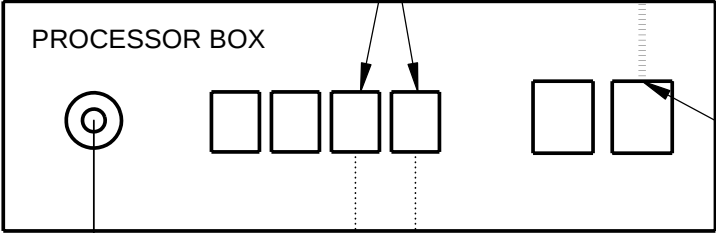
CABLE-MODULAR-6-26 GA PU (966702)

CABLE-MODULAR-4-26 GA PU (966701)

TUBING-1/4 URETHANE BLK (953108)

TUBING-.375 OD X .062 W-PE BK (953101)

2X ATTACH ONE OF PN 962005
THIS END AND ONE OF
PN 962004 OPPOSITE END



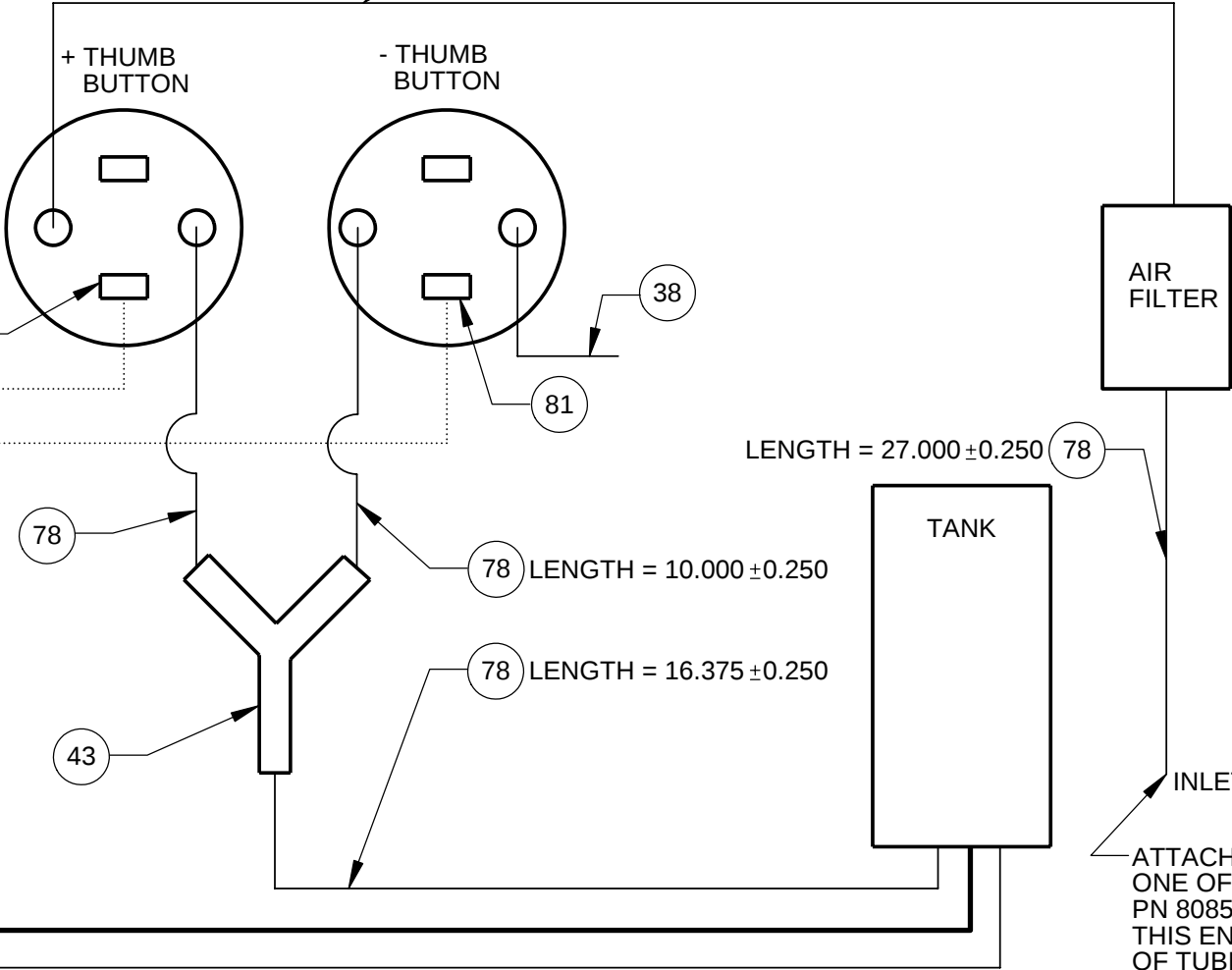
DISPLAY

85 LENGTH = 40.000 ± 0.250

83 ATTACH ONE OF PN 962017 TO EACH END OF WIRE

78 LENGTH = 33.000 ± 0.250

84 LENGTH = 20.000 ± 0.250



84 LENGTH = 20.000 ± 0.250

LENGTH = 9.500 ± 0.250

78 LENGTH = 10.000 ± 0.250

78 LENGTH = 16.375 ± 0.250

LENGTH = 27.000 ± 0.250

AIR
FILTER

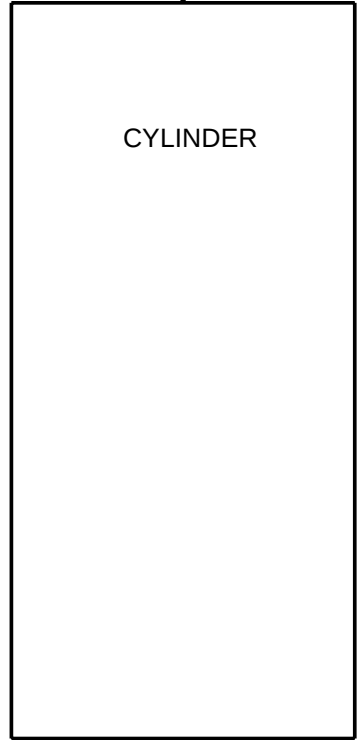
TANK

INLET

ATTACH
ONE OF
PN 8085
THIS END
OF TUBING

PART OF 300815

78 LENGTH = 27.375 ± 0.250



C	3007	ADD LOCTITE NOTE	JAM	DLK	5/9/09	
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE	

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DIMENSIONS IN [] ARE MILLIMETERS
BREAK SHARP EDGES .005-.015 [.10-.40]
MACHINED SURFACE FINISH IS
63 MICROINCHES [1.6 MICROMETERS]
DO NOT SCALE DRAWING

DRAWN BY: DEM

DATE DRAWN: 1/23/09

CHECKED BY: JAM

DATE CHECKED: 1/28/09

MATERIAL:
RAW MAT:

TITLE: FUNCTIONAL TRAINER-STD

SHEET 4 OF 4

SCALE: 1:4

DRAWING SIZE: B

PART#: 3020XS

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