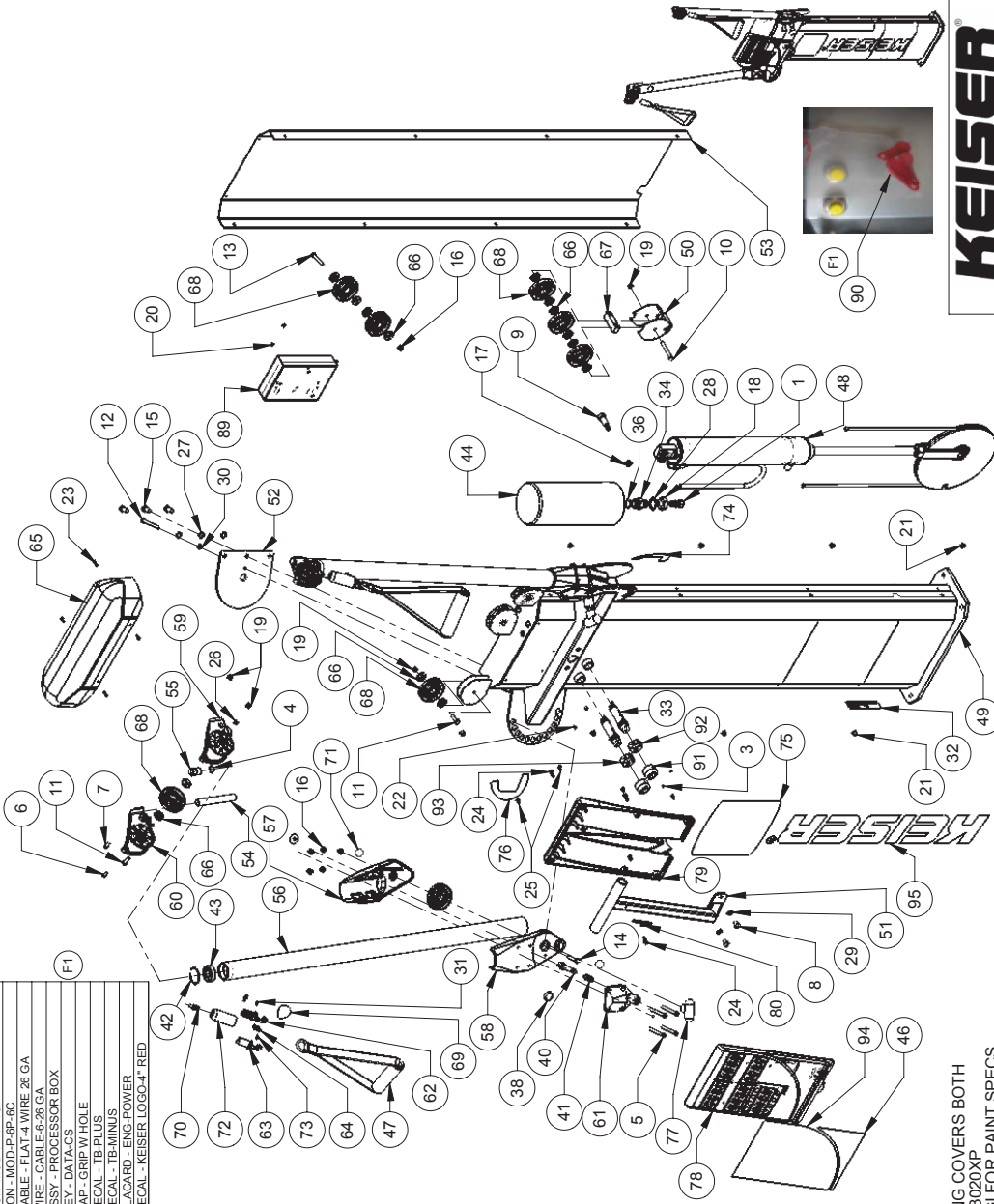


ITEM NO.	QTY.	DS	PART NO.	TITLE	ITEM NO.	QTY.	DS	PART NO.	TITLE
1	1	A	6079	CONN - 3/8C X 1/4M	84	2	A	962004	CONNECTOR - 2 MM
2	1	A	6085	LUER - MALE-1/8 BARB	85	2	A	962005	CON. MOD-P-4P-4C
3	4	-	9014	SET SCREW - HSSS #8-32 X 1/8 SS	86	2	A	962017	CON - MOD-P-6P-6C
4	2	-	9024	RETAINING RING - EXT-17 MM	87	1	A	966707	CABLE - FLAT-4 WIRE 26 GA
5	8	-	9096	SCREW - SHCS 1/4-20 X 2 1/2 ZP	88	1	A	966702	WIRE - CABLE-6-26 GA
6	2	-	9097	SCREW - SHCS 10-32 X 1/2 ZP	89	1	B	990008	ASSY - PROCESSOR BOX
7	2	-	9098	SCREW - SHCS 1/4-20 X 1/2 ZP	90	3	A	990012	KEY - DATA-CS
8	2	-	9121	SCREW - SHCS 5/16-18 X 1/2 ZP	91	2	A	995001	CAP - GRIP W HOLE
9	1	-	9127	SCREW - SHCS 1/2 X 1 ZP	92	1	A	995000	DECAL - TB PLUS
10	1	-	9153	SCREW - SHCS 1/4-20 X 1 1/2 ZP	93	1	A	995000	DECAL - TB PLUS
11	5	-	9161	SCREW - SHCS 1/4-20 X 1 1/2 ZP	94	1	A	995000	DECAL - TB PLUS
12	2	-	9163	SCREW - SHCS 1/4-20 X 2 3/4 ZP	95	1	A	995811	DECAL - KEISER LOGO-4" RED
13	1	-	9164	SCREW - SHCS 1/4-20 X 1 1/2 ZP					
14	2	-	9164	SCREW - SHCS 3/8-16 X 3/4 ZP					
15	6	-	9200	SCREW - HRLN 1/4-20 ZP					
16	11	-	9225	NUT - HELN 1/4-20 ZP					
17	1	-	9227	NUT - HRLN 3/8-16 ZP					
18	1	-	9231	NUT - HJLN 3/4-10 ZP					
19	8	-	9242	NUT - HJLN 1/4-20 ZP					
20	2	-	9248	NUT - HMSN #6-32 ZP					
21	8	-	9252	SCREW - CRPHMS 1/4-20 X 1/4 ZP					
22	2	-	9255	SCREW - CRPHMS #6-32 X 1/4 ZP					
23	4	-	9272	SCREW - CRPHMS-TF #6-32 X 1/2 BLK					
24	3	-	9285	SCREW - CRPHMS-TF 10-24 X 3/4 ZP					
25	6	-	9291	SCREW - CRPHMS-TAB 8 X 1/2 ZP					
26	2	-	9292	NUT - HEIN #10-32 ZP					
27	9	-	9355	WASHER - FLW 1/4 X 3/8 ZP					
28	2	-	9356	WASHER - FLW 5/16 X 1/2 ZP					
29	2	-	9361	WASHER - FLW 5/16 ZP					
30	2	-	9391	WASHER - FLW 5/16 ZP					
31	6	-	9527	SCREW - SHCS 4-40 X 3/8 SS					
32	1	A	105443	DECAL - SERIAL NUMBER					
33	2	B	110830	ASSY - TB VALVE-DIG					
34	1	A	115000	BUSHING - TANK					
35	1	A	115323	FILTER - IN LINE					
36	1	A	115333	O-RING - 943 X .737 X .103					
37	5	A	115423	TIE - 8 IN PL BLK					
38	4	A	135055	STEM BUMPER					
39	1	A	170881	ASSY - MUFFLER LONG					
40	2	A	172180	PLUNGER					
41	2	A	175500	SPRING - PLUNGER					
42	2	A	215502	RETRAINING RING - 1.70 OD					
43	1	A	225400	BEARING - 6203ZZ-SHEilded					
44	1	A	255318	TANK - 145 CU IN					
45	1	A	255310	CONNECTOR - 1/8 DIA PL					
46	1	A	255310	CONNECTOR - 1/8 DIA PL					
47	2	A	300807	ASSY - HANDLE GRIP					
48	1	B	300926	CYL & PULLEY BRKT - POWER					
49	1	B	300926	WELDT - POWER MODULE-FT					
50	1	B	300930	WELDT - TPL PULLEY BRKT-FT					
51	1	A	300932	WELDT - DISPLAY MT					
52	2	A	301830	PLATE - BACK-ADJ ELBOW					
53	1	B	302057	COVER - BACK-FT					
54	2	A	302184	SHAFT - COUNTER WT					
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	305023	CLEVIS - CAST-L					
63	2	A	305023	CLEVIS - CAST-R					
64	2	A	305028	RETAINER - OLDS					
65	1	B	305060	COVER - TOP-FT					
66	20	A	305062	BUSHING - 026687029					
67	1	A	305064	BUMPER - PULLEY BRKT					
68	12	A	305065	PULLEY - 2.500 DIA-MOLDED					
69	2	A	305070	DECAL-HANDLE RELEASE					
70	2	A	305412	SLEEVE - ROPE					
71	4	A	305417	BALL - 0.750-CRM ST GR 25					
72	2	-	305437	BUMPER - CLEVIS					
73	2	-	305438	SPRING - CLEVIS RETAINER					
74	1	A	305007	DECAL - RH PLATE-PLUNGER ADJ					
75	1	A	305008	DECAL - INF SERIES-FT & TT					
76	1	A	305009	DECAL - LH PLATE-PLUNGER ADJ					
77	2	A	555059	KNOB - T-BLACK					
78	1	B	600881	DISPLAY BOX 5 - WIN					
79	1	A	605060	DISPLAY BOX - BACK-MODIFIED					
80	1	A	605428	GROUND CLAMP - DISK-BLK					
81	1	A	605428	ROPE - 5/16 IN DIA-STEEL					
82	1	A	954212	ROPE - 5/16 IN DIA-STEEL					
83	1	A	955500	STRIP - PROTECTOR-4 INCH					

3020XP



NOTES:

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

KEISER
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Fresno, CA, USA 93706-5004
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DIMENSIONS ARE IN INCHES
DIMENSIONS IN () ARE MILLIMETERS
BREAKING STRENGTH (1000-1400)
MACHINED SURFACE FINISH (S
63 MICRONS (1.6 MICROMETERS)

DO NOT SCALE DRAWINGS

DRAWN BY: JAM
DATE: 1/5/09
CHECKED BY: DEM
DATE: 1/21/09

MATERIAL: RAW MAT.

TITLE: FUNCTIONAL TRAINER-PWR

SHEET 1 OF 4 SCALE: 1:12 DRAWING SIZE: B PART# 3020XP

DATE: 10/1/11 BY: MCA DLK

REV: F 3153 (1) ADD 990812 (2) ADD NOTES (3) WAS CONNECTED TO R CYL SOCKET

3020XP

APPLY LOCTITE 680 ON STEEL PLATE TO BALL CONTACT SURFACES
APPLY ANTI-SEIZE ON BALL TO ELBOW CONTACT SURFACES

2X 3.000±0.125
DISPLAY IS HIDDEN

APPLY LOCTITE 242 TO SCREW THREADS ON BOTH HANDLE ASSEMBLIES

APPLY LOCTITE 680 TO THE CONTACT SURFACE BETWEEN THE BEARING - 6203ZZ AND THE THROAT-JEWEL BLOCK.

DETAIL A
SCALE 1 : 4

CENTER DECAL WITH FRONT FACE OF ELBOW

APPLY LOCTITE 638 TO T-HANDLE STUD THREADS

APPLY LOCTITE 290 TO PROCESSOR BOX MOUNTING BOLT THREADS

THESE TWO TIES ARE USED FOR SHIPPING TO BE INSTALLED AFTER THE QC PROCESS

LOCATE DECALS AS SHOWN

2.500±0.125
THREAD CYLINDER ROD INTO CLEVIS NUT SO ROD END IS FLUSH WITH BOTTOM FACE OF CLEVIS NUT. THEN TIGHTEN LOCK NUT

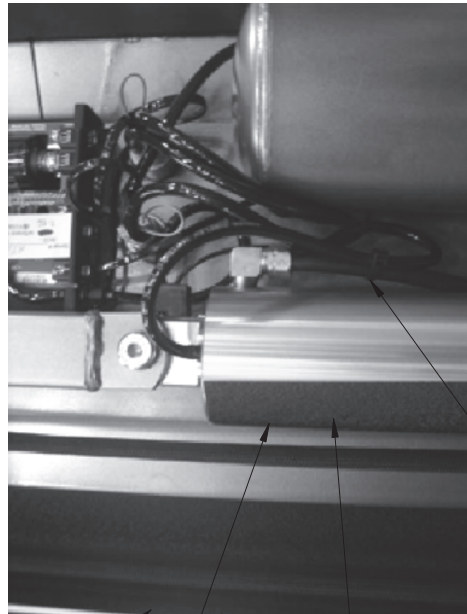
4.250±0.125
CENTER DECAL 3.000±0.125 BELOW THE BRACE

CENTER DECAL 12.750±0.125 BELOW THE BRACE

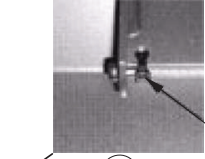
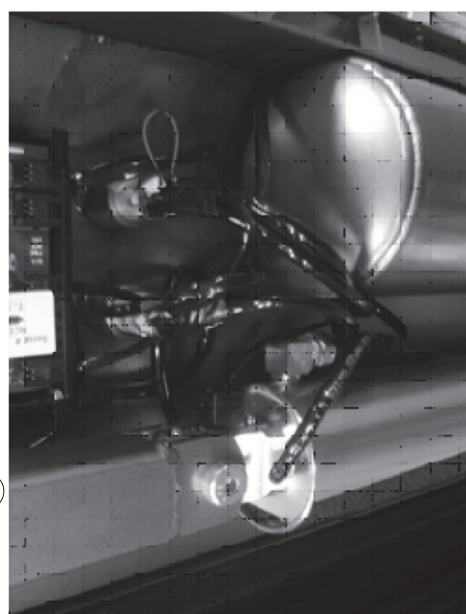
LOCATE 3.500±0.125 BELOW TOP OF MODULE. FLUSH WITH THE BACK EDGE AND NO FURTHER THAN 0.125 FROM EDGE
CUT LENGTH = 28.000±0.250

LOCATE TOP EDGE OF STRIP TO TOP EDGE OF CYLINDER ±0.125
CUT LENGTH = 19.000±0.250

0.095±0.050
1.500±0.250
PLACE DECAL PARALLEL WITH EDGE
SECTION B-B
SCALE 1 : 4



TIE HOSES AND WIRES AS SHOWN



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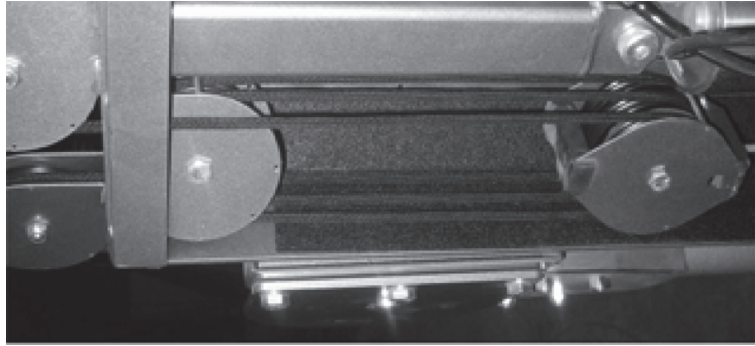
DIMENSIONS ARE IN INCHES			
DIMENSIONS IN () ARE MILLIMETERS			
BROUGHT TO FINISH (0.005 IN (0.127 MM) MAX)			
MACHINED SURFACE FINISH IS 63 MICRONS (1.6 MICROMETERS)			
DO NOT SCALE DRAWINGS			
DRAWN BY:	JAM	DATE:	1/5/09
CHECKED BY:	DEM	DATE:	1/21/09
MATERIAL: RAW MAT.			

TITLE:	FUNCTIONAL TRAINER-PWR
SHEET 2 OF 4	SCALE: 1:16
DRAWING SIZE:	B
PART#	3020XP

REV	ECO	DATE	BY	CHK	DLK	DATE	DESCRIPTION
F	3153	10/1/11			MCA		(1) ADD 990812 (2) ADD NOTES (3) WAS CONNECTED TO R CYL SOCKET

ROPING DETAIL - LOWER PULLEY IS IN UP POSITION

3020XP



PN 305437
PLACE AS SHOWN

CUT AND BURN
FREE END

PLACE END OF
SLEEVE AT SECOND
MARK

LOOP FREE END
BACK INTO SLEEVE

CHECK GAP AFTER
ROPE HAS BEEN INSTALLED

0.750±0.250

82 (LENGTH = 311.000)

START ROPE HERE

ROPE INSTALLATION INSTRUCTIONS:

- (1) ROUTE ROPE THROUGH MACHINE AND PN 305437 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 305437
- (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

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DIMENSIONS ARE IN INCHES
DIMENSIONS IN () ARE MILLIMETERS
BUSHINGS ARE 1/8" (3.175) DIA.
MACHINED SURFACE FINISH IS
63 MICRONS (1.6 MICROMETERS)
DO NOT SCALE DRAWINGS

DRAWN BY: JAM
DATE: 1/5/09
CHECKED BY: DEM
DATE: 1/21/09

MATERIAL: RAW MAT.

TITLE: FUNCTIONAL TRAINER-PWR
SHEET 3 OF 4
SCALE: 1:12
DRAWING SIZE: B
PART#: 3020XP

REV F 3153 ECO (1) ADD 990812 (2) ADD NOTES (3) WAS CONNECTED TO R CYL SOCKET
BY MCA DLK
DATE 10/1/11

[illegible]