



29.01.09	C.S.	D.J.	MICANAN SYSTEMS INC.		
DATE:	APPROVED:	DRAWN BY:	TITLE:		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES .XX=±.01 ANGLES=±30'			JACKSHAFT OPERATOR PRO-J / PRO-JB		
REVISION:A		WEIGHT: 1lb	SIZE: B	PAGE: 1/1	
		CAD FILE: 3D-PROJ-XE		SCALE: 1:8	

CODE	PART #	DESCRIPTION (PRO-J/JB)	PRO-J	PRO-JB
			QTY	C/W BRAKE QTY
**	1	MOTOR	1	1
MM00150	2	FRAME HR MSIO162	1	1
MM00152	3	CONTROL BOX HR MSIO164	1	1
MM00153	4	CONTROL BOX COVER HR MSIO165	1	1
MM00024	5	CAM PLATE MSIO013	1	1
ME00001	6	LIMIT SHAFT 3/8-1/2 x 9.75"	1	1
MG00030	7	LIMIT CAM 1/2-20 UNF	2	2
MH00001	8	BRONZE T-BUSHING 3/8" ID	2	2
MK00004	9	LIMIT SWITCH	4	4
MJ00006	10	LIMIT SWITCH DOUBLE SPACER 3/4" LONG	4	4
MG00003	11	DOUBLE NUT FOR LIM-SW.	4	4
MF00003	12	R.H. PHILLIPS MACHINE SCREW 4-40 UNC x 1-1/2"	8	8
MF00004	13	R.H. PHILLIPS MACHINE SCREW 6-32 UNC x 1"	2	2
MO00001	14	CAM PLATE COMPRESSION SPRING (.178IDx.032GX.55L)	2	2
MG00007	15	HEX NYLON LOCK NUT 6-32UNC	2	2
MH00006	16	COLLAR 3/8 ID	1	1
MM00046	18	CONTROL BOX HINGE	2	2
MI00001	19	MOTOR PULLEY 5L 5/8 ID X 2" OD	1	1
ME00018	20	KEYWAY 3/16 SQ. x 1-1/4" LONG	1	1
MI00002	21	PULLEY 8" OD c/w bushing 3/4" ID	1	1
MI00006	22	V-BELT 5L-325	1	1
MJ00004	23	CLUTCH PLATE ALUMINIUM 3/4" ID	1	1
MQ00007	24	SPRING PIN 1/4" x 2" LONG	1	1
MJ00005	25	CLUTCH PAD 3/4 ID	1	1
MG00014	26	SLOTTED HEX NUT 3/4-24UNF	1	1
MG00004	27	BELLEVILLE WASHER 13/16 IDx1-3/16X1/8	6	6
MQ00002	28	COTTER PIN 1/8 x 2.5" LONG	1	1
MF00012	29	CARRIAGE BOLT 5/16-18UNC x 5/8"	4	4
MG00012	30	RIBBED HEX NUT 5/16-18UNC	4	4
MH00008	31	COLLAR 3/4" ID	2	2
MH00007	32	COLLAR 1" ID	3	3
MH00013	33	FLANGE BEARING 3/4" IDx1-3/8 OD	1	1
MH00009	34	FLANGE BEARING 1" ID x 2"OD	2	2
MD00025	36	SPROCKET 410B23 X 1"	1	1
MD00111	37	SPROCKET 410B9 X 3/8"	1	1
MD00093	38	#410 ROLLER CHAIN 45 PITCH C/W CONNECTING LINK	1	1
MD00280	39	SPROCKET 41B32 x 1" c/w 1.69" hub, 7/8" LTB	1	1
MD00243	42	#41 ROLLER CHAIN 47 PITCH DRIVE C/W LINK	3	3
ME00017	45	KEYWAY 1/4" SQ. x 1-1/4" LG	1	1
MF00011	50	H.H. BOLT 3/8"-16UNC X 3/4" LONG	8	8
MQ00008	51	SET SCREW 5/16" -18	11	13
MQ00009	52	SET SCREW 1/4" -20	3	3
MF00046	53	H.H. SLOTTED SELF ROUNDING WASHER HEAD SCREW 10-32 UNF x 1/2"	5	5
MM00154	54	BRAKE PLATE HR MSIO166 (BRAKE OPTION)		
MM00159	55 A	SOLENOID LEVER HR (right MSIO172) (BRAKE OPTION)		1 *
MM00158	55 B	SOLENOID LEVER HR (left MSIO170) (BRAKE OPTION)		1 *
MF00005	56	R.H. PHILLIPS MACHINE SCREW 10-32 UNF x 5/8" (BRAKE OPTION)		1
MQ00001	57	COTTER PIN 1/8 x 1.5" (BRAKE OPTION)		1
MG00016	58	FLAT WASHER #10 (BRAKE OPTION)		5
MG00008	59	HEX NYLON NUT 10-32 UNF (BRAKE OPTION)		1
MK00026	61 A	SOLENOID 120V (BRAKE OPTION)		1 *
MK00027	61 B	SOLENOID 220V (BRAKE OPTION)		1 *
MK00028	61 C	SOLENOID 460V (BRAKE OPTION)		1 *
MK00029	61 D	SOLENOID 575V (BRAKE OPTION)		1 *
MJ00003	62	BRAKE DRUM (BRAKE OPTION)		1
MJ00001	63	BRAKE SHOE LEFT (BRAKE OPTION)		1
MJ00002	64	BRAKE SHOE RIGHT (BRAKE OPTION)		1
MH00002	65	MILD STEEL BUSHING 9/32ID x 13/32OD x1-1/16 (BRAKE OPTION)		1
MO00002	66	BRAKE COMPRESSION SPRING (5/16"ID-.05G-2.50L) (BRAKE OPTION)		1
MG00006	67	HEX NUT 1/4-20UNC	1	7
MG00009	68	HEX NYLON LOCK NUT 1/4-20UNC	1	3
MF00028	69	HEX HEAD BOLT 1/4-20UNC x 1-1/4" (Full thread) (BRAKE OPTION)		2
MF00029	70	HEX HEAD BOLT 1/4-20UNC x 1-3/4" (partial thread) (BRAKE OPTION)		1
MF00044	71	HEX HEAD BOLT 1/4-20UNC x 4" (partial thread) (BRAKE OPTION)		1
MG00017	72	1/4" FLAT WASHER	2	4
MG00010	74	RIBBED HEX NUT 10-32UNF	2	6
MG00018	75	LOCK WASHER 3/8"	4	4
MG00019	76	FLAT WASHER 13/16" I.D.x1.5OD (3/4" SHAFT SIZE)	2	2
MD00244	78	SPROCKET 41B14 x 3/4" c/w bushing & slot	1	1
ME00010	79	PRO-J INPUT SHAFT 3/4" x 11-9/16"	1	1
ME00007	80	DRIVE SHAFT JACKSHAFT 1" X 15"	1	1
MM00023	81	SUPPORT U-BRACKET (PRO-J/LJ) MSIO050	1	1
MM00162	82	DISCONNECT ARM (PRO-JR) MSIO174	1	1
MD00027	83	PRO-J/LJ DISCONNECT COUPLING 3/4" ID	1	1
MF00006	85	HEX HEAD BOLT 1/4" - 20UNC x 1/2"	2	2
MF00009	87	HEX HEAD BOLT 1/4" - 20UNC x 2-1/4" (partial thread)	1	1
MM00161	88	CUT-OUT SWITCH ACTIVATION BRACKET (PRO-JR) MSIO173	1	1
MH00003	89	OILITE FLANGE BUSHING 3/4 ID X 7/8" OD	1	1
MU00001	90	SWIVEL PULLEY	1	1
MR00001	91	DISCONNECT CABLE 3/32 X 13" LONG	1	1
MQ00011	92	3/32" ALUMINUM OVAL SLEEVE	1	1
MF00008	93	HEX HEAD BOLT 1/4" - 20UNC x 1"	1	1
MM00006	94	FRAME FOOT HR (MSIO163)	2	2
MG00011	95	RIBBED HEX NUT 1/4" - 20 UNC	3	3
MO00006	96	COMPRESSION SPRING (0.92" ID - 0.09G - 2.00"L)	1	1
MG00013	98	RIBBED HEX NUT 3/8" - 16UNC	4	4
MG00021	110	FLAT WASHER 7/8" ID X 1-1/8" OD	2	2
MG00020	113	FLAT WASHER 1-1/16" ID X 1-3/4" OD	1	1
MU00002	121	KEYRING 1-1/4"	1	1
MR00008	122	DISCONNECT SASH CHAIN	1	1
MK00005	123	CUTOUT SWITCH C/W NUT AND WASHER	1	1
MH00031	128	FLANGE BEARING 5/8" ID X 1.5" OD	1	1
ME00048	129	KEYWAY 1/4" SQ. x 3/4" LG	1	1
MG00063	130	HEX NUT 10-32	4	4
MD00247	132	DOUBLE SPROCKET 41B14/41A32 C/W 3/4" BUSHING	1	1
MD00246	133	DOUBLE SPROCKET 41B14/41A32 C/W 1" BUSHING	1	1
MF00015	135	ROUND HEAD PHILIPS MACHINE SCREW 6-32 X 3/8"		4
MG00022	136	LOCK WASHER #6		4
MG00023	137	HEX NUT 6-32		4
ME00019	140	KEYWAY 3/16" SQ. X 3/4" LONG	1	1
ME00050	141	FRAME SUPPORT SHAFT 3/4" x 6.00" LONG	2	2
MG00121	157	FLAT WASHER 15/16" ID x 1-3/4" OD x 1/8" TH.	1	1
MG00122	158	C-CLIP 5/8" (FOR 3/4" SHAFT)	1	1
MO00019	159	PRO-J EXTENSION SPRING	1	1