



02.02.09	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-HHD	
REVISION:A		WEIGHT: 1lb	SIZE: B	PAGE: 1/1
		CAD FILE: 3D-PROHHD-XE		SCALE:

CODE	PART #	DESCRIPTION (PRO-HHD)	QTY
**	1	MOTOR	1
MM00003	2	FRAME MS10003	1
MM00002	3	CONTROL BOX MS10001	1
MM00001	4	CONTROL BOX COVER MS10005	1
MM00024	5	CAM PLATE MS10013	1
ME00001	6	LIMIT SHAFT 3/8-1/2 x 9.75"	1
MG00030	7	LIMIT CAM 1/2-20 UNF	2
MH00001	8	BRONZE T-BUSHING 3/8" ID	2
MK00004	9	LIMIT SWITCH	4
MJ00006	10	LIMIT SWITCH SPACER DOUBLE 3/4" LONG	4
MG00003	11	DOUBLE NUT FOR LIM-SW.	4
MF00003	12	R.H. PHILLIPS MACHINE SCREW 4-40 UNC x 1-1/2"	8
MF00004	13	R.H. PHILLIPS MACHINE SCREW 6-32 UNC x 1"	2
MQ00001	14	CAM PLATE COMPRESSION SPRING (.178IDx.032GX.55L)	2
MG00007	15	HEX NYLON LOCK NUT 6-32UNC	2
MH00006	16	COLLAR 3/8 ID	1
MM00046	18	CONTROL BOX HINGE	2
MM00001	19	MOTOR PULLEY 5L 5/8 ID X 2" OD	1
ME00055	20	KEYWAY 3/16 SQ. x 1-1/4" LONG	1
MI00002	21	PULLEY 8" OD c/w bushing 3/4" ID	1
MI00006	22	V-BELT 5L-325	1
MJ00004	23	CLUTCH PLATE ALUMINIUM 3/4" ID	1
MQ00007	24	SPRING PIN 1/4" x 2" LONG	2
MJ00005	25	CLUTCH PAD 3/4 ID	1
MG00014	26	SLOTTED HEX NUT 3/4-24UNF	1
MQ00027	27	CLUTCH SPRING	1
MQ00002	28	COTTER PIN 1/8 x 2.5" LONG	1
MF00012	29	CARRIAGE BOLT 5/16-18UNC x 5/8"	4
MG00012	30	RIBBED HEX NUT 5/16-18UNC	4
MH00008	31	COLLAR 3/4" ID	2
MH00007	32	COLLAR 1" ID	4
ME00009	35	FRAME SUPPORT SHAFT 3/4" x 5.79" LONG	2
MD00004	36	SPROCKET 410B12 X 1"	1
MD00005	37	SPROCKET 410B12 X 3/8"	1
MD00008	38	#410 ROLLER CHAIN 49 PITCH C/W CONNECTING LINK	1
MD00003	39	SPROCKET 41B36 x 1"	2
MD00006	40	SPROCKET 41B10 x 3/4"	1
MD00007	41	DRIVE SPROCKET 41B12 x1"	1
MD00009	42	#41 ROLLER CHAIN 45 PITCH DRIVE C/W LINK	2
ME00017	45	KEYWAY 1/4" SQ. x 1-1/4" LG	4
MQ00016	47	SPRING PIN 3/8" x 1-1/4" Long	1
MF00045	49	H.H. SLOTTED SELF ROUNDING WASHER HEAD SCREW 8-32 UNF x 3/8"	8
MF00011	50	H.H. BOLT 3/8"-16UNC X 3/4" LONG	12
MQ00008	51	SET SCREW 5/16" -18	18
MQ00009	52	SET SCREW 1/4" -20	5
MF00046	53	H.H. SLOTTED SELF ROUNDING WASHER HEAD SCREW 10-32 UNF x 1/2"	5
MM00010	54	BRAKE PLATE MS10007	1
MM00014	55	SOLENOID LEVER MS10009	1
MF00005	56	R.H. PHILLIPS MACHINE SCREW 10-32 UNF x 5/8"	1
MQ00001	57	COTTER PIN 1/8 x 1.5"	1
MG00016	58	FLAT WASHER #10	2
MG00008	59	HEX NYLON NUT 10-32 UNF	1
MM00011	60	SOLENOID COVER MS10008	1
MK00026	61 A	SOLENOID 120V	1 *
MK00027	61 B	SOLENOID 220V	1 *
MK00028	61 C	SOLENOID 460V	1 *
MK00029	61 D	SOLENOID 575V	1 *
MJ00003	62	BRAKE DRUM	1
MJ00001	63	BRAKE SHOE LEFT	1
MJ00002	64	BRAKE SHOE RIGHT	1
MH00002	65	MILD STEEL BUSHING 9/32ID x 13/32OD x1-1/16	1
MQ00002	66	BRAKE COMPRESSION SPRING (5/16"ID-.05G-2.50L)	1
MG00006	67	HEX NUT 1/4-20UNC	7
MG00009	68	HEX NYLON LOCK NUT 1/4-20UNC	3
MF00028	69	HEX HEAD BOLT 1/4-20UNC x 1-1/4" (Full thread)	2
MF00029	70	HEX HEAD BOLT 1/4-20UNC x 1-3/4" (partial thread)	1
MF00044	71	HEX HEAD BOLT 1/4-20UNC x 4" (partial thread)	1
MG00017	72	1/4" FLAT WASHER	4
MG00010	74	RIBBED HEX NUT 10-32UNF	6
MG00018	75	LOCK WASHER 3/8"	4
MG00019	76	FLAT WASHER 13/16" I.D.x1.50D (3/4" SHAFT SIZE)	2
ME00007	80	DRIVE SHAFT JACKSHAFT 1" X 15"	1
MF00007	84	HEX HEAD BOLT 1/4" -20UNC x 3/4"	2
MF00006	85	HEX HEAD BOLT 1/4" -20UNC x 1/2"	2
MM00021	86	DISCONNECT LEVER MS10012	1
MF00009	87	HEX HEAD BOLT 1/4" -20UNC x 2-1/4" (partial thread)	1
MU00001	90	SWIVEL PULLEY	1
MR00001	91	DISCONNECT CABLE 3/32 X 12" LONG	1
MQ00011	92	3/32" ALUMINUM OVAL SLEEVE	1
MF00008	93	HEX HEAD BOLT 1/4" -20UNC x 1"	1
MM00006	94	FRAME FOOT MS10006	2
MG00011	95	RIBBED HEX NUT 1/4" - 20 UNC	5
MG00013	98	RIBBED HEX NUT 3/8" - 16UNC	8
MM00284	99	DISCONNECT ARM PRO-HHD MS10277	1
MM00022	100	SUPPORT U-BRACKET HHHH MS10015	1
MM00016	101 A	PIVOT BRACKET MS10010 (for standard Left Hand)	1 *
MM00357	101 B	PRO-HHD/HHDW Right hand PIVOT BRACKET	1 *
ME00002	102	PRO-H/PRO-HHD INPUT SHAFT 3/4" x 16-5/8"	1
MM00431	107	CHAIN GUARD CW 3/4" ID OILITE T-BUSHING	1
MI00003	108	ROCKET WHEEL C/W 3/4" BUSHING & 2 1/4" SPRING PINS	1
MQ00003	109	COMPRESSION SPRING (0.80ID x 0.092G x 1.80LONG)	1
MG00021	110	FLAT WASHER 7/8" ID x 1-1/8" OD	4
NH00015	112	FLANGE BEARING C.1 1" UCFL-205 16 2-HOLE	4
MG00020	113	FLAT WASHER 1-1/16" ID x 1-3/4" OD	5
MF00002	114	HEX HEAD BOLT 1/2" - 13UNC x 1-1/4" Long	8
MG00001	116	RIBBED HEX NUT 1/2" - 13UNC	8
ME00006	117	INTERMEDIARY SHAFT (PRO-HHD) 1" X 10-7/16	1
MR00006	120	HAND CHAIN	1
MU00002	121	KEYRING 1-1/4"	1
MR00008	122	DISCONNECT SASH CHAIN	1
MK00005	123	CUTOUT SWITCH C/W NUT & WASHER	1
MH00009	127	PRECISION BEARING 3/4" C/W ALUMINUM HOUSING	2
MG00063	130	HEX NUT 10-32	4
MQ00019	159	PRO-J EXTENSION SPRING	1
MG00093	179	FLAT WASHER #8	4
MD00409	187	THRUST BEARING 3/4" ID	1
MD00410	188	THRUST WASHER 3/4" ID	2