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NOTE:
1. HOSE ASSEMBLIES THAT ARE SUPPLY WITH CONTROL VALVE,
HOSE REEL AND MAST ARE NOT SHOWN FOR CLARITY.
2. OPTIONAL HYDRAULIC HOSE ASSEMBLIES ARE AVAILABLE
25'-0" LGTH ORDER HH0300-1, 50'-0" LGTH ORDER HH0600-1.

REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	RVSD CONTROL VALVE PART NUMBER	01-08-20	EPP

Exploded view diagram of the PNEUMATIC JUNIOR 360 Mole Master assembly. The diagram shows the following components labeled with callouts:

- 1. Hose reel assembly (top left)
- 2. Mast assembly (top right)
- 3. Filter-regulator-lubricator assembly (bottom left)
- 4. Cutting head assembly (center left)
- 5. Control valve assembly (bottom left)
- 6. Boom assembly (center right)
- 7. Bearing frame assembly (bottom center)
- 8. Power unit assembly (bottom right)

The diagram also shows the assembled mole master unit with the mast and boom extended.

ITEM	QTY	PART NO.	DESCRIPTION
9	1	SF3001-00	UPPER SUPPORT FRAME
8	1	PU3100-00	POWER UNIT ASSEMBLY
7	1	M3100-00	MAST ASSEMBLY
6	1	HR3100-00	HOSE REEL ASSEMBLY
5	1	FRL3000-00	FILTER-REGULATOR-LUBRICATOR ASSEMBLY
4	1	CH2000-00	CUTTING HEAD ASSEMBLY
3	1	CV3300-00	CONTROL VALVE ASSEMBLY
2	1	JB3100-00	BOOM ASSEMBLY
1	1	BF3000-00	BEARING FRAME ASSEMBLY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
DECIMALS ANGLES
.XX± .01 ±2°
.XXX± .005
FRACTIONAL ± 1/16

DO NOT SCALE DRAWING

TREATMENT - ENGR

FINISH -

MATERIAL SEE BOM

APPROVALS	DATE
DRAWN EPP	01-17-13
CHECKED -	-
ENGR	

SIZE	DWG NO.	REV.
D	PL3360P-1	A

SCALE	CALC. WT.	ACT. WT.	SHEET	1 OF 2
1/8				

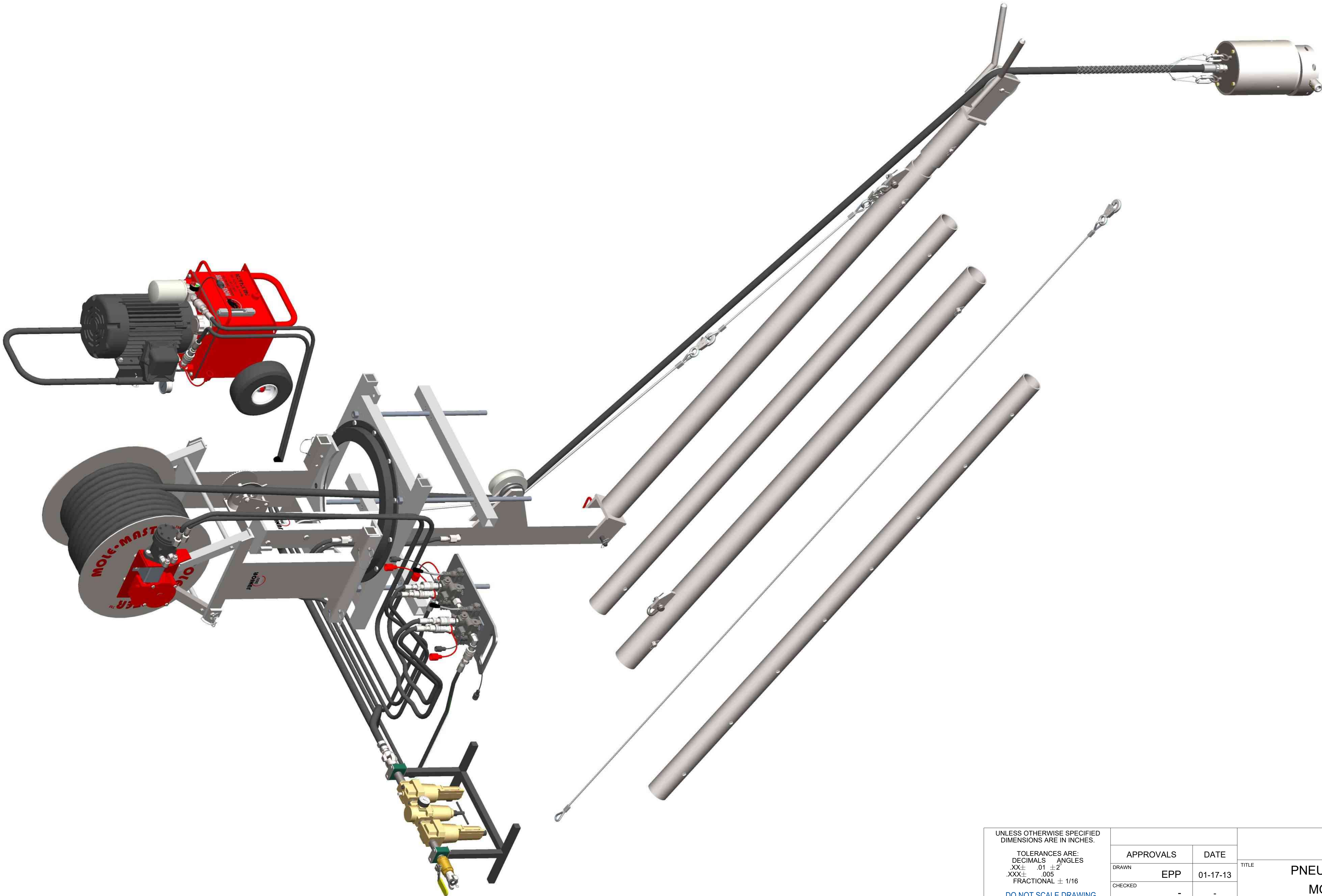
27815 STATE ROUTE 7
MARIETTA, OHIO
45750 USA
740-374-6726

TITLE
PNEUMATIC JUNIOR 360
MODEL NO: JR360P
MASTER PARTS LIST

BILL OF MATERIALS

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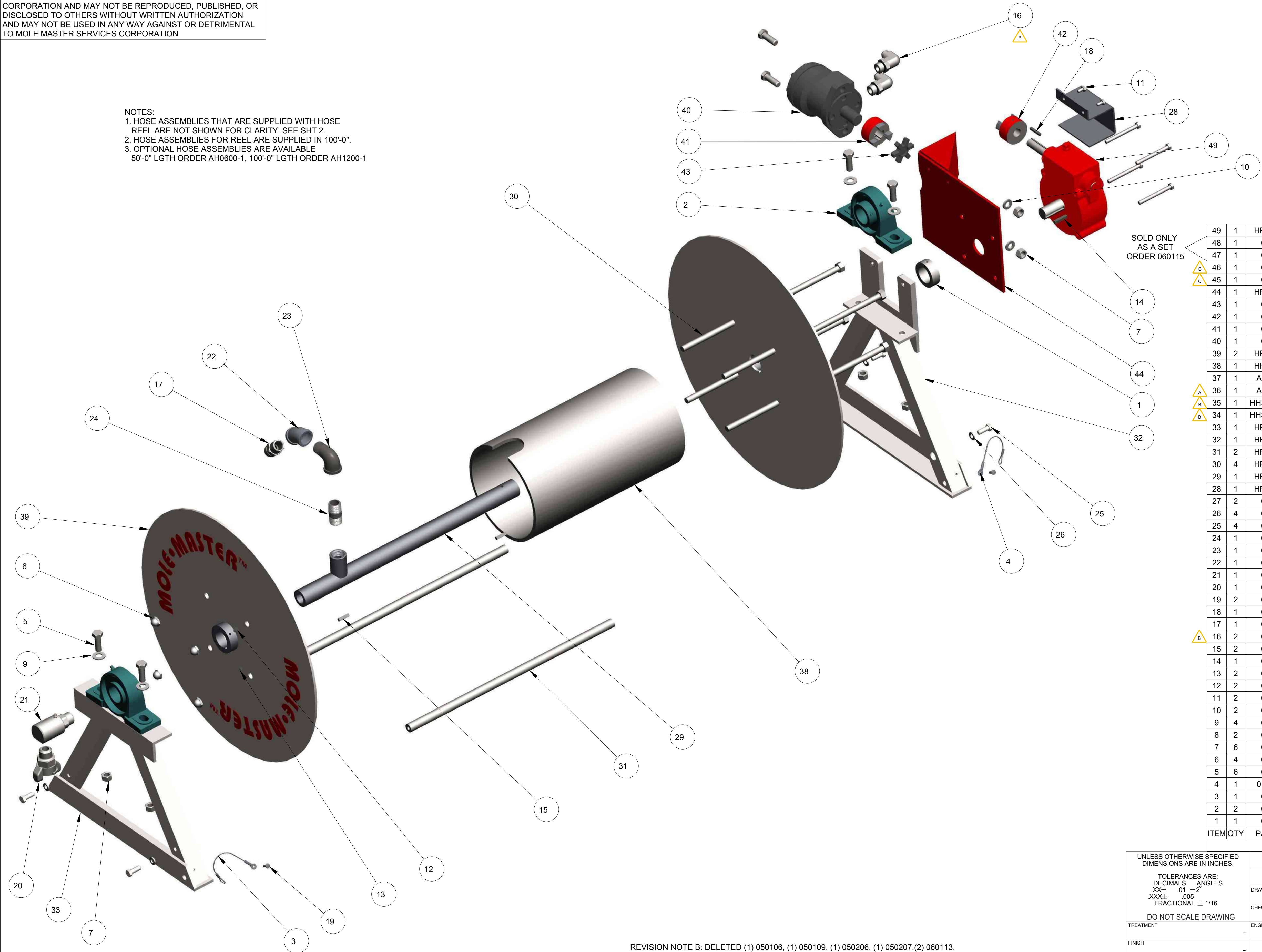
REVISION HISTORY			
REV	DESCRIPTION	DATE	BY



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726			
TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16 DO NOT SCALE DRAWING		APPROVALS		DATE		TITLE PNEUMATIC JUNIOR 360 MODEL NO: JR360P MASTER PARTS LIST	
		DRAWN	EPP	01-17-13			
		CHECKED	-	-			
		ENGR	-				
TREATMENT	-			SIZE	DWG NO.		REV.
FINISH	-			D	PL3360P-1		A
MATERIAL	SEE BOM			SCALE	1/8	CALC. WT	ACT. WT
						SHEET	2 OF 2

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- NOTES:
- HOSE ASSEMBLIES THAT ARE SUPPLIED WITH HOSE REEL ARE NOT SHOWN FOR CLARITY. SEE SHT 2.
 - HOSE ASSEMBLIES FOR REEL ARE SUPPLIED IN 100'-0".
 - OPTIONAL HOSE ASSEMBLIES ARE AVAILABLE
50'-0" LGTH ORDER AH0600-1, 100'-0" LGTH ORDER AH1200-1



REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	AH1200-1 WAS AH1200-00	05-06-14	EPP
B	SEE REVISION NOTE	08-24-16	EPP
C	ADDED 050206 & 050207 TO BOM	05-01-18	EPP

49	1	HR3009-01	TERN GEAR REDUCER
48	1	060114	QUICK COUPLER, MALE
47	1	060113	QUICK COUPLER, FEMALE
46	1	050207	PLASTIC SOCKET DUST CAP
45	1	050206	PLASTIC PLUG DUST CAP
44	1	HR2003-00	MOTOR MOUNTING BRACKET WELDMENT
43	1	030116	LOVEJOY-SPIDER COUPLING-L090/L095SOX
42	1	030117	LOVEJOY COUPLER-L095X3/4HUB3/16
41	1	030118	LOVEJOY COUPLER-L095X1HUB1/4
40	1	030137	HYDRAULIC MOTOR
39	2	HR2005-00	HOSE REEL END WELDMENT
38	1	HR2004-01	HOSE REEL DRUM
37	1	AH0120-1	HOSE ASSY,(2) AM6,(4) CP7S99, 120" LGTH
36	1	AH1200-1	HOSE ASSY,#12EFG4K,(1) 12EFG-12FJX,(1) 12EFG-12JIC,100'-0" LGTH
35	1	HH3001-00_6	HOSE ASSY, #6M3K, (1) 6G-8FJX, (1) 6G-8MP, 140" LGTH
34	1	HH3001-00_5	HOSE ASSY, #6M3K, (1) 6G-8FJX, (1) 6G-8MP, 140" LGTH
33	1	HR3010-00	FRAME, IDLER SIDE
32	1	HR3001-00	FRAME, DRIVE SIDE
31	2	HR3003-01	FRAME CONNECTING ROD
30	4	HR3008-00	DRUM TIE ROD
29	1	HR3011-00	DRIVE SHAFT WELDMENT
28	1	HR2000-02	COUPLING GUARD
27	2	050200	AIR KING SAFETY CLIP
26	4	010137	3/8", SPLIT LOCK WASHER, ZP
25	4	010117	3/8-16 X 1", HHCS, GR. 5, ZP
24	1	060102	3/4" PIPE NIPPLE X 2" LONG, SCHD 80, STL
23	1	060104	3/4" NPT, MALE PIPE-FEMALE PIPE 90° STREET ELBOW
22	1	060103	3/4" NPT PIPE 45° ELBOW, BLACK IRON STL
21	1	060111	3/4 NPT SUPER SWIVEL, 90° SWIVEL, MALE PIPE-FEMALE PIPE
20	1	050202	3/4 MPT, CHICAGO FITTING/AIR KING UNIVERSAL COUPLING
19	2	010113	3/16", BLIND POP-RIVET, BUTTON HEAD, ALUM
18	1	010108	3/16" SQUARE X 1-1/4" L, MACHINE KEY, STL
17	1	050100	12MJ-12MP, MALE JIC-MALE PIPE THREAD STRAIGHT HYD ADAPTER
16	2	020115	10MB-8MJ90, MALE O RING BOSS-MALE JIC 90° EL HYD ADPT
15	2	010109	1/4" SQUARE X 1" L, MACHINE KEY, STL
14	1	010110	1/4" SQUARE X 1-1/4" L, MACHINE KEY, STL
13	2	010126	1/4-20 X 1/4", SCKT. SET SCR, CUP PT, BLK. OXIDE
12	2	010127	1/4-20 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
11	2	010114	1/4-20 X 1/2", HHCS, GR. 5, ZP
10	2	010138	1/2", SPLIT LOCK WASHER, ZP
9	4	010132	1/2", FLAT WASHER, SAE, ZP
8	2	010158	1/2" X 2-1/2", DETENT RING PIN
7	6	010140	1/2-13, HEX NUT, GR. A, ZP
6	4	010143	1/2-13, ACORN NUT, NICKEL PLT
5	6	010120	1/2-13 X 1-1/2", HHCS, GR. 5, ZP
4	1	010111_1	1/16" X 6", BARE CABLE, STEEL LANYARD
3	1	010111	1/16" X 6", BARE CABLE, STEEL LANYARD
2	2	030123	1-1/2", PILLOW BLOCK BEARING
1	1	010134	1-1/2" ID X 3/4" W, CLAMPING COLLAR, ZP
ITEM	QTY	PART NO.	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	
TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16	
DO NOT SCALE DRAWING	
TREATMENT	-
FINISH	-
MATERIAL	SEE BOM

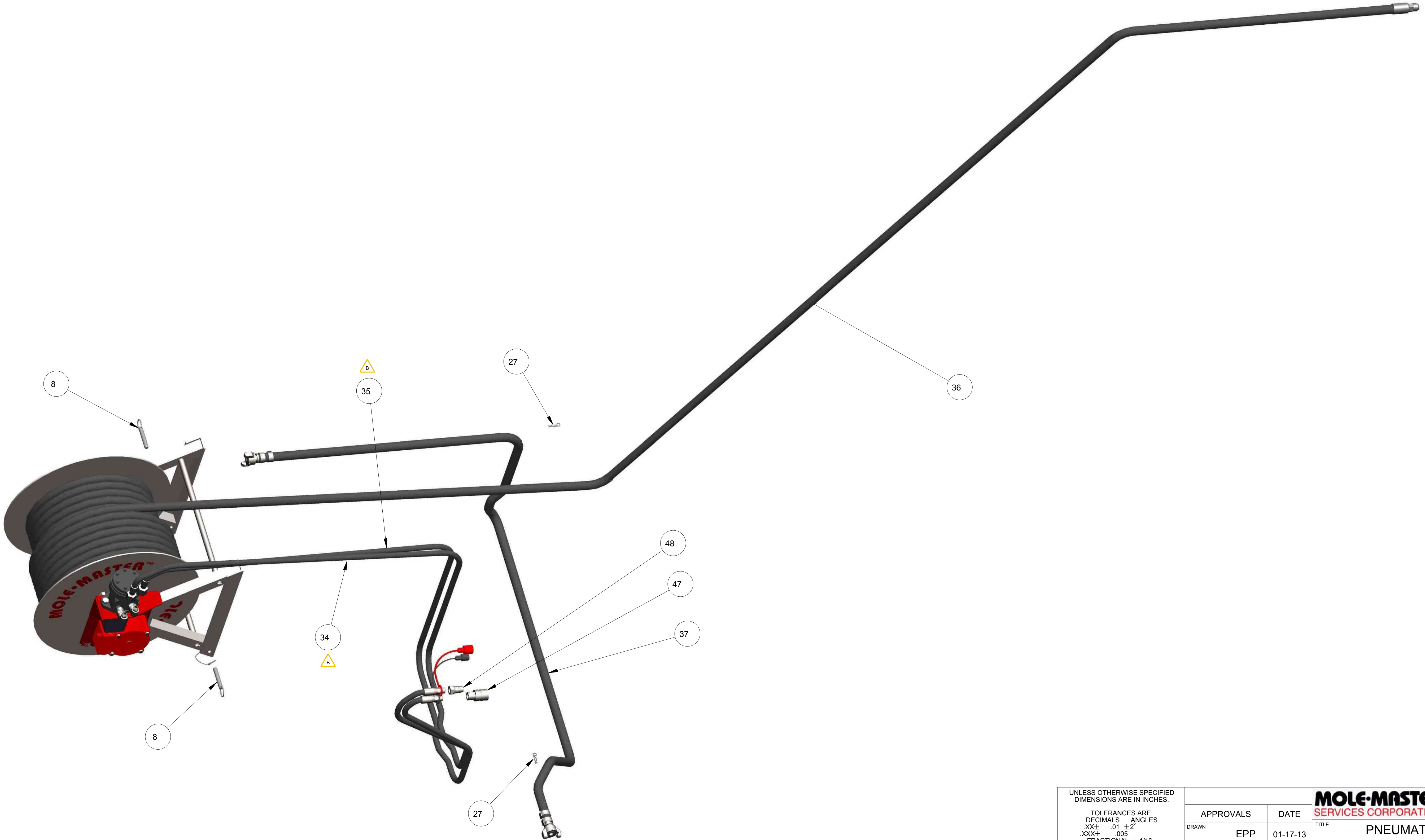
APPROVALS	DATE
DRAWN	EPP 01-17-13
CHECKED	-
ENGR	-

BILL OF MATERIALS	
MOLE-MASTER SERVICES CORPORATION	
27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726	
TITLE PNEUMATIC JUNIOR 360 MODEL NO: JR360P HOSE REEL ASSEMBLY	
SIZE D	DWG NO. PL3360P-2
SCALE 1/4	REV. C

REVISION NOTE B: DELETED (1) 050106, (1) 050109, (1) 050206, (1) 050207,(2) 060113,
(2) 060114, ADDED (2) 020115, AND REPLACED (2) HH0120-1 WITH (2) HH3001-00

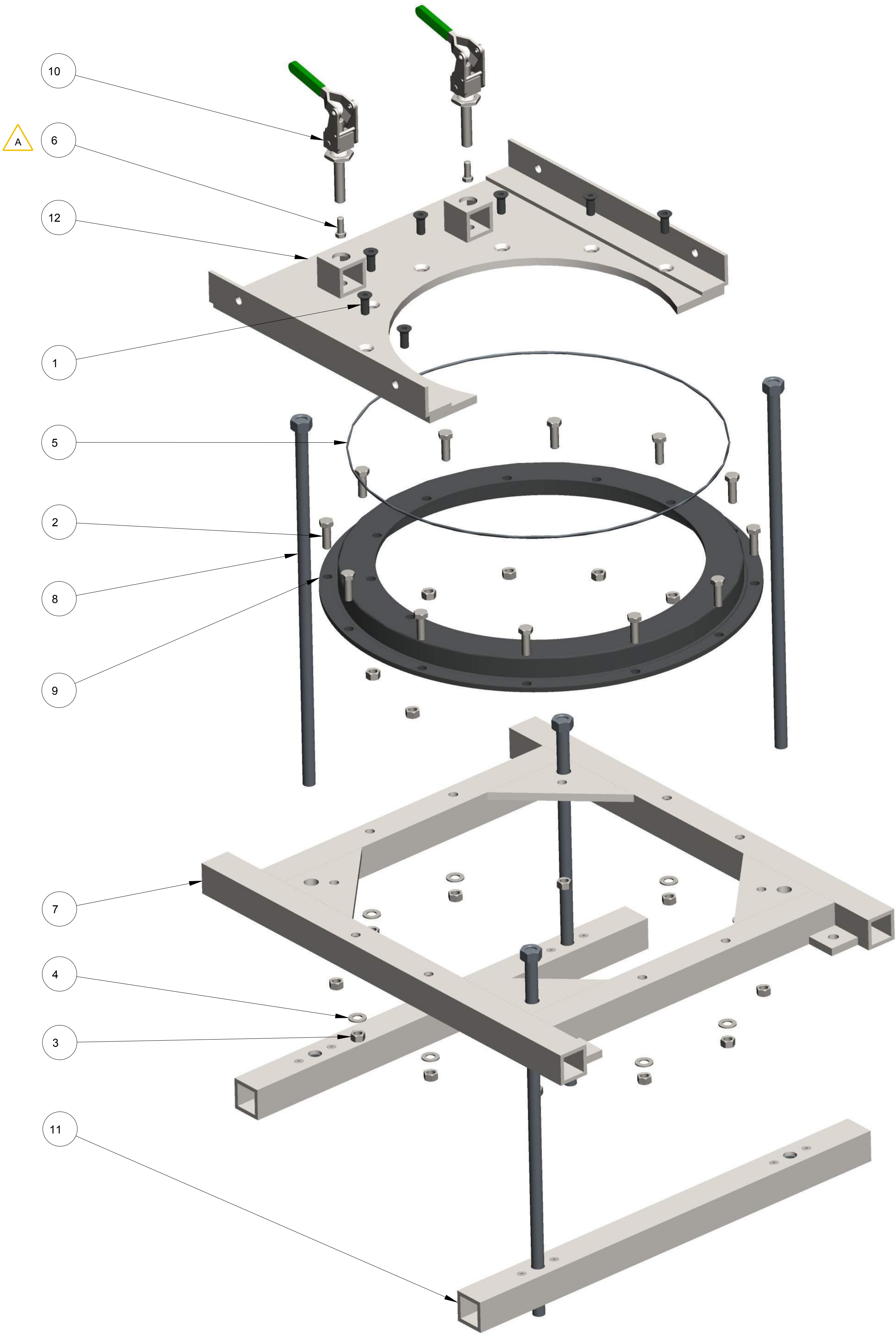
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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	AH1200-1 WAS AH1200-00	05-06-14	EPP
B	SEE REVISION NOTE ON SHEET 1	08-24-16	EPP
C	ADDED 050206 & 050207 TO BOM	05-01-18	EPP



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16 DO NOT SCALE DRAWING		APPROVALS		DATE	MOLE-MASTER[™] SERVICES CORPORATION  27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726	
		DRAWN	EPP	01-17-13		
		CHECKED	-	-		
		ENGR	-	-		
TREATMENT	-				TITLE PNEUMATIC JUNIOR 360 [®] MODEL NO: JR360P HOSE REEL ASSEMBLY	
FINISH	-				SIZE D	REV. C
MATERIAL					SCALE 3/20	
					CALC. WT	ACT. WT
					SHEET	2 OF 2

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	ADDED (2) 010117 TO BOM	03-12-14	EPP

12	1	BF3001-00	UPPER SUPPORT
11	2	BF2003-00	UNDER ROOF LOCKING BAR ASS'Y
10	2	030107	PLUNGER TOGGLE CLAMP
9	1	4001	MAIN ROTATION BEARING
8	4	BF2004-00	LOCKING BAR ATTACHMENT BOLT
7	1	BF2002-00	BEARING SUPPORT
6	2	010117	3/8-16 X 1", HHCS, GR. 5, ZP
5	1	020205	22" ID X .210" CS BUNA O-RING, VULCANIZE
4	8	010132	1/2", FLAT WASHER, SAE, ZP
3	19	010140	1/2-13, HEX NUT, GR. A, ZP
2	12	010120	1/2-13 X 1-1/2", HHCS, GR. 5, ZP
1	7	010124	1/2-13 X 1-1/2", FHSCS, BLK. OXIDE
ITEM	QTY	PART NO.	DESCRIPTION



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16 DO NOT SCALE DRAWING		APPROVALS		DATE	TITLE MOLE-MASTERTM SERVICES CORPORATION PNEUMATIC JUNIOR 360TM MODEL NO: JR360P BEARING FRAME ASSEMBLY PL3360P-3		27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726	
		DRAWN	EPP	01-17-13				
		CHECKED	-	-				
		ENGR						
TREATMENT	-				SIZE	DWG NO.	REV.	
FINISH	-				D		A	
MATERIAL	SEE BOM				SCALE	1/4	CALC. WT	ACT. WT
							SHEET	1 OF 1

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	M3007-01 WAS 020100	03-05-14	EPP
B	CREATED M3006-00, CABLE ASSEMBLY	11-30-15	EPP
C	ADDED 020119 TO BOM	12-09-16	EPP
D	ADDED 050206 & 050207 TO BOM	05-01-18	EPP
E	MOVED 010148 FROM JB3100-00	07-22-19	EPP
F	RVSD DESCRIPTION OF M3000-04	01-08-20	EPP
G	030100 WAS 010148	04-13-20	EPP

△G	30	1	030100	SNAP HOOK WITH DOUBLE SAFETY LATCH	
△F	29	1	M3000-04	SHEAVE, 3-1/2"OD, 3/8" ROPE, 3/4" BUSHING	
	28	2	M3000-01	ROLLER	
	27	1	060114	QUICK COUPLER, MALE	
	26	1	060113	QUICK COUPLER, FEMALE	
	25	1	M3003-00	PULLEY/CYLINDER MOUNT	
	24	1	M2001-10	PULLEY, SINGLE SPOOL	
△D	23	1	050207	PLASTIC SOCKET DUST CAP	
△D	22	1	050206	PLASTIC PLUG DUST CAP	
	21	1	M3008-01	MODIFIED CLEVIS PIN, 3/4" X 3-3/4" LG	
	20	1	M3001-00	MAST TUBE	
	19	1	M3002-00	MAST TOP CAP WELDMENT	
	18	1	M3004-00	HYDRAULIC TIE-ROD CYLINDER	
	17	1	HH3002-00_1	HOSE ASSY, #6M3K, (1) 6G-8FJX, (1) 6G-8MP, 160" CUT LGTH	
	16	1	HH3001-00_3	HOSE ASSY, #6M3K, (1) 6G-8FJX, (1) 6G-8MP, 140" LGTH	
△A	15	2	M3007-01	8MJ-6MP90, MODIFIED MALE JIC-MALE PIPE 90° ELBOW	
△C	14	1	020119	6MP-6FPL, MAPLE PIPE-FEMALE PIPE LONG HYD ADAPTER	
	13	1	030106	5/8" TUBE CLAMP	
	12	1	M3000-03	5/8" OD TAPERED DOWEL PIN	
	11	2	010153	5/32" x 2", COTTER PIN, ZP	
△B	10	1	M3006-00_0	5/16" GALV AIRCRAFT CABLE ASSEMBLY, 165" LG	
	9	2	030134	4" OD, 1/2" ROPE SHEEVE WITH 3/4" BUSHING	
	8	2	010135	3/4", MACHINERY BUSHING, 18 GA., PLN FIN	
	7	1	010136	3/4", MACHINERY BUSHING, 10 GA., PLN FIN	
	6	1	010103	3/4" X 4-1/2", CLEVIS PIN, ZP	
	5	1	M3000-02	3/4" x 3-1/8" STEEL DOWEL PIN, ZP	
	4	2	M3000-06	3/4" ID x 1" OD x 15/16" LG, BUSHING, BRONZE	
	3	2	M3005-01	1/8" NPT BRASS SOCKET HEAD PIPE PLUG W/ ORIFICE	
	2	2	010125	1/4-20 X 2", HHCS, GR. 5, ZP	
	1	2	010119	1/2-13 X 1", HHCS, GR. 5, ZP	

ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIALS			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
DECIMALS ANGLES
.XX± .01 ±2°
.XXX± .005
FRACTIONAL ± 1/16

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN	EPP 01-17-13
CHECKED	- -
ENGR	- -

TREATMENT	FINISH	MATERIAL
-	-	SEE BOM

MOLE-MASTER
SERVICES CORPORATION

27815 STATE ROUTE 7
MARIETTA, OHIO 45750 USA
740-374-6726

TITLE

PNEUMATIC JUNIOR 360

MODEL NO: JR360P

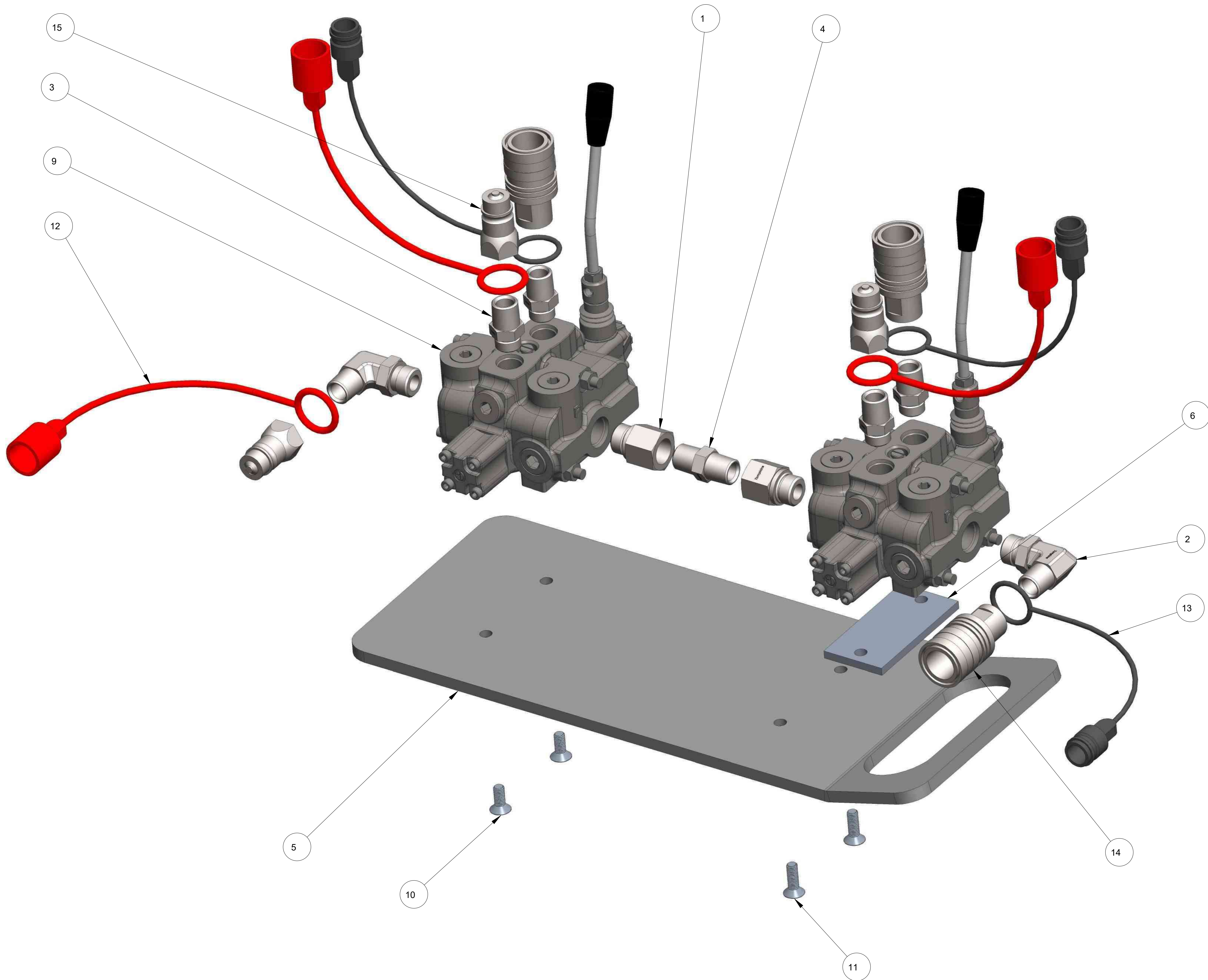
MAST ASSEMBLY

SIZE D DWG NO. PL3360P-4 REV. G

SCALE 1/4 CALC WT ACT WT SHEET 1 OF 1

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	RVSD VALVE FROM PARKER TO YOU LI	01-08-20	EPP



NOTE:

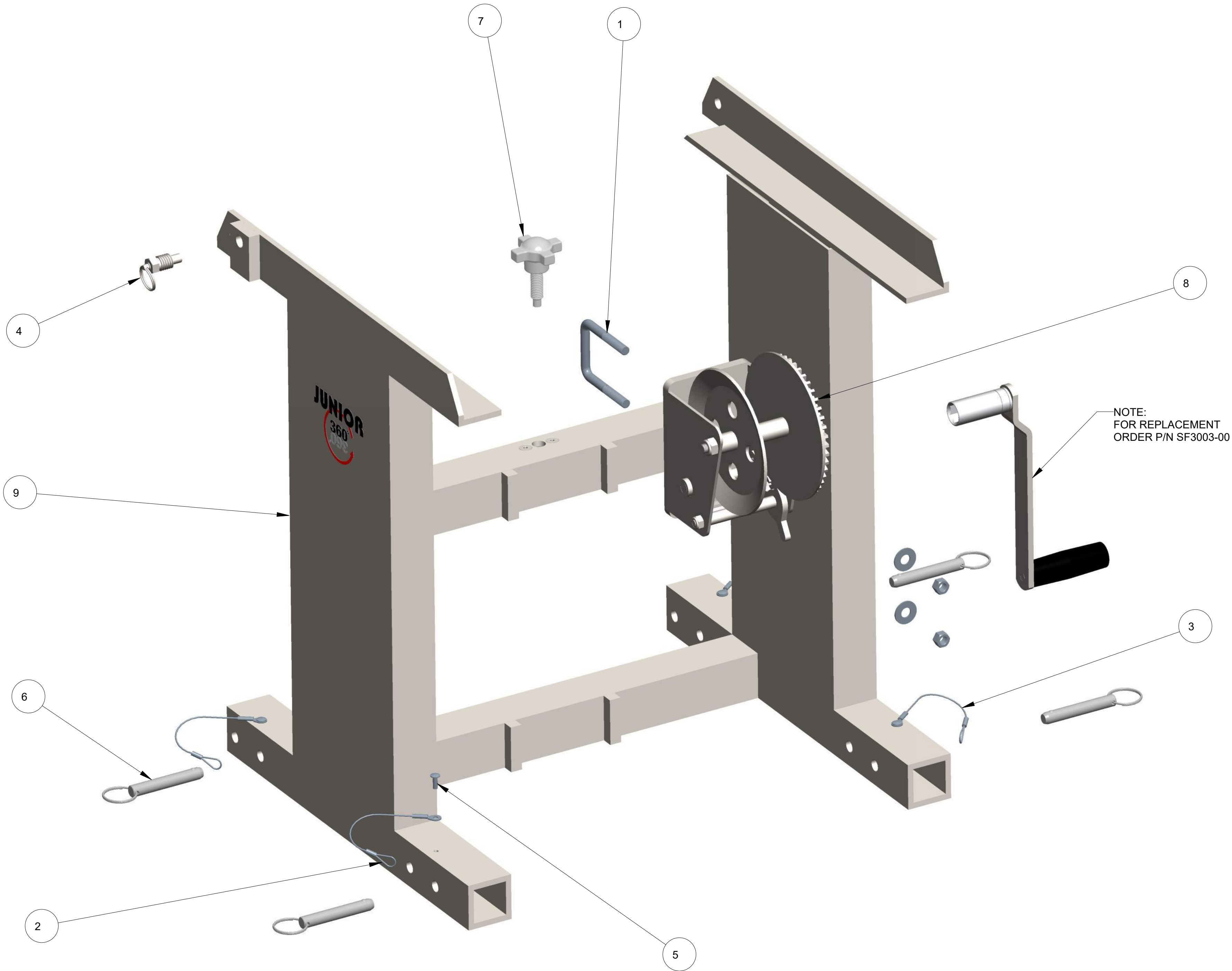
1. HYDRAULIC HOSE ASSEMBLIES ARE NOT SHOWN FOR CLARITY.
2. QUICK COUPLINGS THAT CONNECT TO HYDRAULIC HOSES ARE NOT SHOWN FOR CLARITY.

SOLD ONLY AS A SET ORDER 060115	15	5	060114	QUICK COUPLER, MALE
	14	5	060113	QUICK COUPLER, FEMALE
	13	3	050207	PLASTIC SOCKET DUST CAP
	12	3	050206	PLASTIC PLUG DUST CAP
	11	2	040107	M8 X 1.25 X 25mm, FHSCS, ZP
	10	2	010160	M8 X 1.25 X 20mm FHMS, ZP
	9	2	060119	HYD CONTROL VLV, YOULI 1 SPOOL
	8	1	HH0120-1	HOSE ASSY, #8M3K, (2) 8GE-8MP, 120" LGTH
	7	1	HH0120-1	HOSE ASSY, #8M3K, (2) 8GE-8MP, 120" LGTH
	6	1	CV3300-02	CONTROL VALVE SPACER PLATE
	5	1	CV3300-01	CONTROL VALVE MOUNTING PLATE
	4	1	050102	8MP-8MP, MALE PIPE-MALE PIPE HEX NIPPLE
	3	4	020109	8MB-8MP, MALE O RING BOSS-MALE PIPE THREAD HYD ADAPTER
	2	2	050109	10MB-8MP90, MALE O RING BOSS-MALE PIPE 90 D ELBOW HYD ADAPT
	1	2	050106	10MB-8FP, MALE O RING BOSS-FEMALE PIPE STRAIGHT HYD ADAPTER
ITEM	QTY	PART NO.		DESCRIPTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		APPROVALS		DATE			27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726	
TOLERANCES ARE: DECIMALS - ANGLES .XX ± .01 ± 2° .XXX ± .005 FRACTIONAL ± 1/16 DO NOT SCALE DRAWING		DRAWN		EPP	01-17-13	TITLE		PNEUMATIC JUNIOR 360 [®] MODEL NO: JR360P CONTROL VALVE ASSEMBLY
TREATMENT		ENGR				SIZE	DWG NO.	REV.
FINISH		-				D	PL3360P-5	A
MATERIAL		SEE BOM				SCALE	5/8	CALC WT ACT WT SHEET
								1 OF 1

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	RVSD BOM, CREATED SF3010-00 WELDMENT	10-19-15	EPP
B	MADE HANDLE PART OF WINCH ASSY	01-08-20	EPP

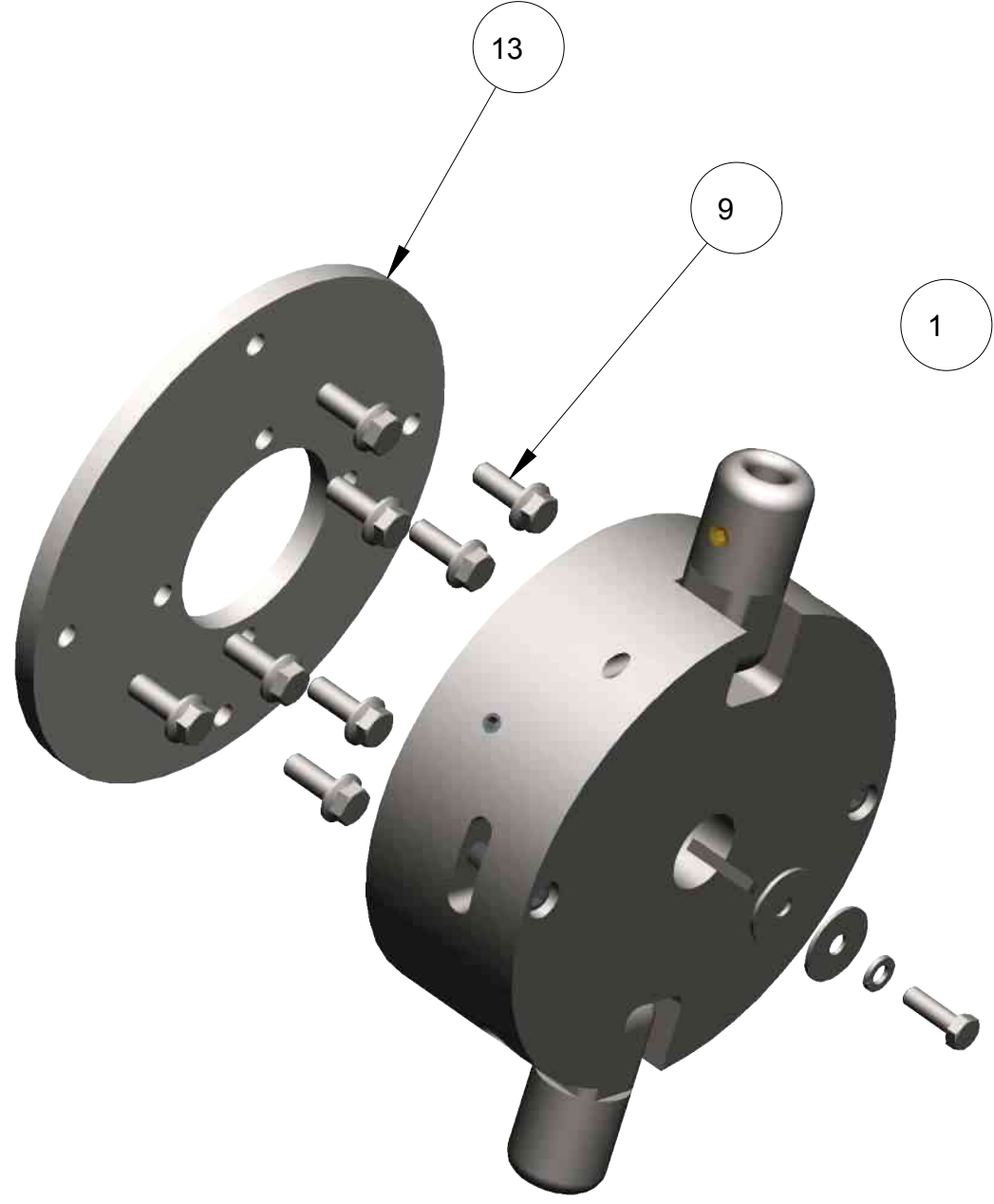
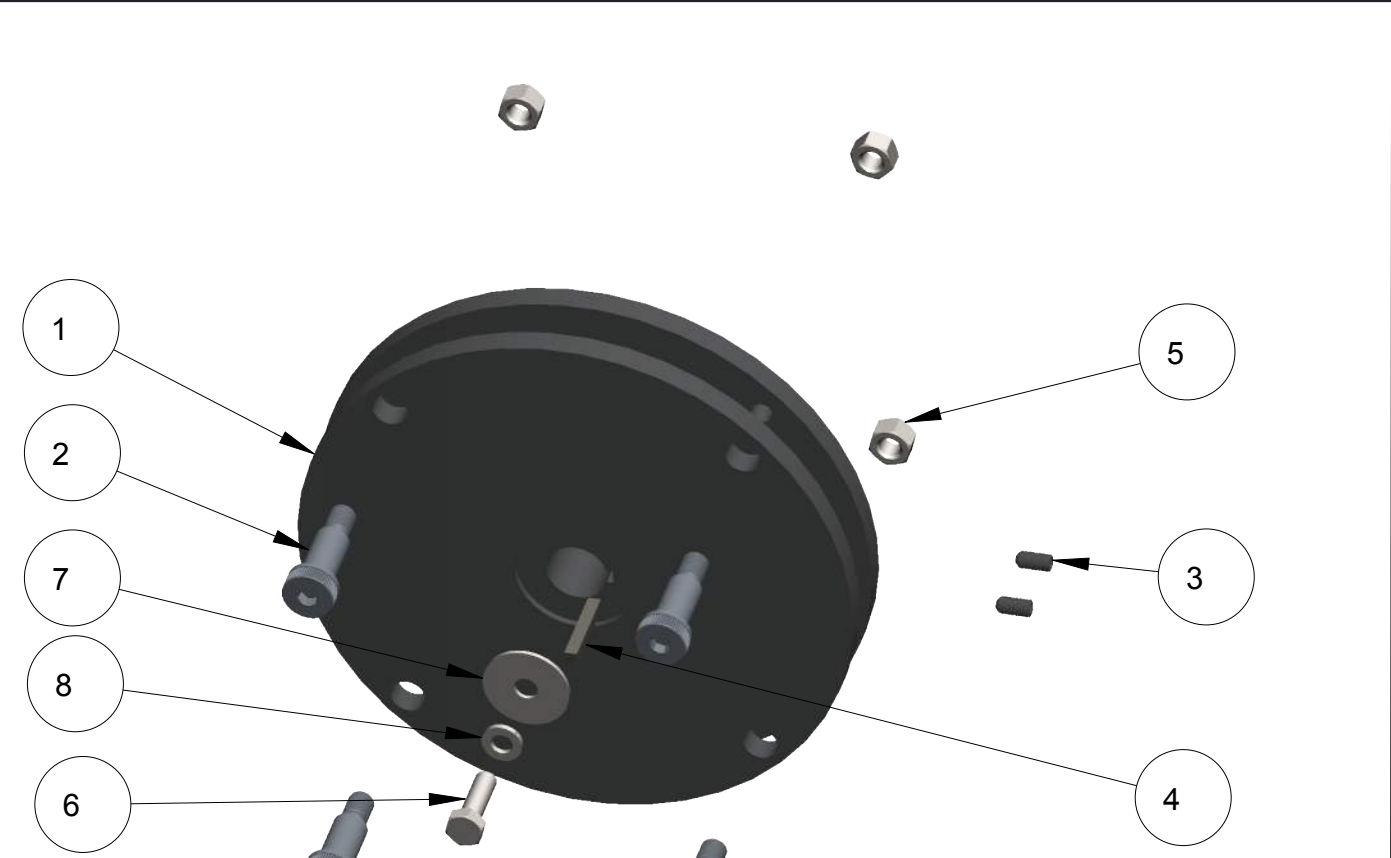
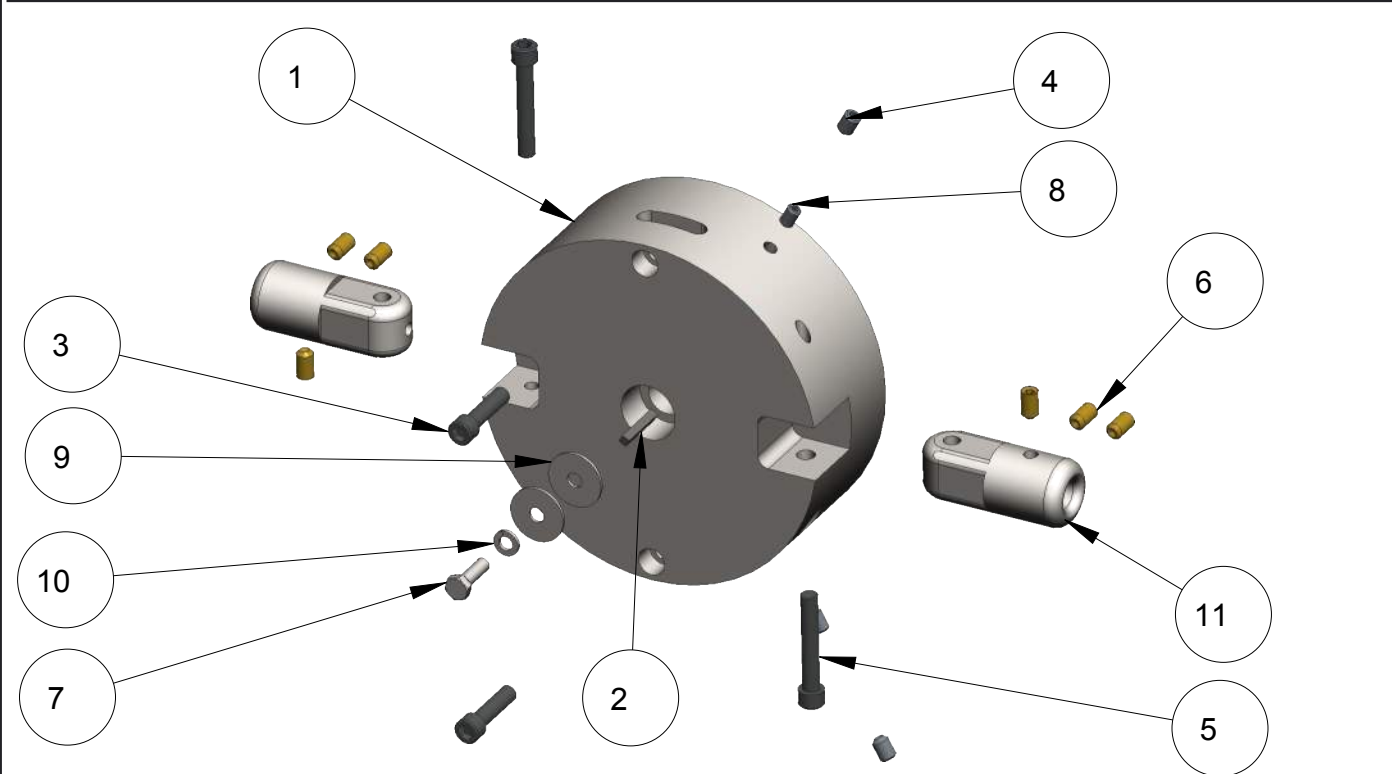
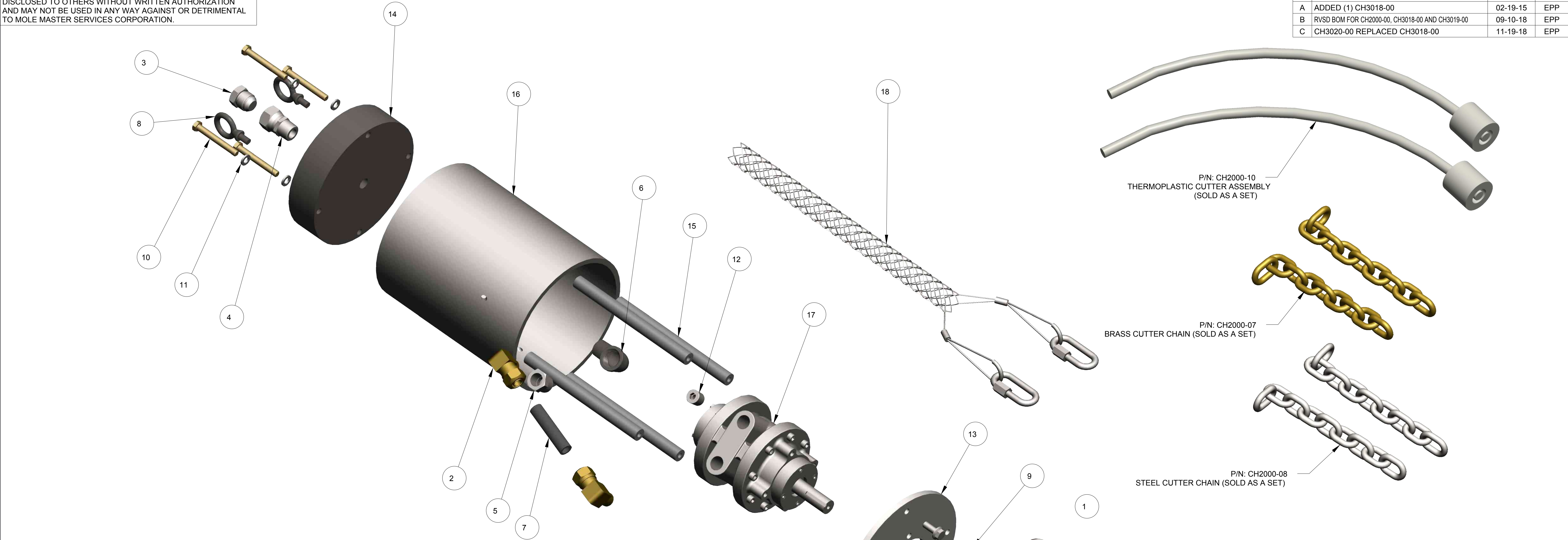


9	1	SF3010-00	UPPER SUPPORT FRAME WELDMENT
8	1	SF3002-00	MODIFIED WINCH ASSEMBLY
7	1	090107	1/2-13 x 1-1/2", HAND KNOB
6	4	010158	1/2" X 2-1/2", DETENT RING PIN
5	4	010113	3/16", BLIND POP-RIVET, BUTTON HEAD, ALUM
4	1	010112	5/8-11, HEX PULL PIN
3	2	010111_1	1/16" X 6", BARE CABLE, STEEL LANYARD
2	2	010111	1/16" X 6", BARE CABLE, STEEL LANYARD
1	1	010101	3/8-16 X 2" X 3", U-BOLT, ZP
ITEM	QTY	PART NO.	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16 DO NOT SCALE DRAWING		APPROVALS		DATE	MOLE-MASTER [™] SERVICES CORPORATION  27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726		TITLE PNEUMATIC JUNIOR 360 MODEL NO: JR360P UPPER SUPPORT FRAME ASSY PL3360P-6		REV. B	
		DRAWN	EPP	01-17-13						
		CHECKED	-	-						
		ENGR	-	-						
TREATMENT	-						SIZE D		DWG NO. PL3360P-6	
FINISH	-						SCALE 3/8		SHEET 1 OF 1	
MATERIAL	SEE BOM									

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	ADDED (1) CH3018-00	02-19-15	EPP
B	RVSD BOM FOR CH2000-00, CH3018-00 AND CH3019-00	09-10-18	EPP
C	CH3020-00 REPLACED CH3018-00	11-19-18	EPP



050208 (STAINLESS STEEL HOSE CLAMPS FOR WHIP CUTTERS)
SOLD AS BOX OF 10 ONLY

18	1	CH3016-00	STRAIN RELIEF ASSEMBLY
17	1	060108	PNEUMATIC MOTOR
16	1	CH1000-06	OUTER HOUSING
15	4	CH2000-02	CUTTING HEAD TIE ROD
14	1	CH2000-01	COUNTER WEIGHT
13	1	CH2000-04	AIR MOTOR MOUNTING PLATE
12	1	CH3014-01	8MP, HOLLOW HEX PLUG, 21/32" ORIFICE
11	4	010137	3/8", SPLIT LOCK WASHER, ZP
10	4	040101	3/8-16 X 3", HHCS, GR. 8, YZ
9	8	040102	3/8-16 X 1", FLG BOLT, SERRATTED WASHER, GR 8.2, ZP
8	2	CH3013-01	3/8 X 5/8" L, EYE BOLT, PLN FIN
7	1	CH3015-01	3/4" X 3-1/4" LG, AIR BRAKE TUBING, NYLON
6	1	060104	3/4" NPT, MALE PIPE-FEMALE PIPE 90° STREET ELBOW
5	1	050103	12MP-8FP, MALE PIPE-FEMALE PIPE HEX REDUCER BUSHING HYD ADAPTER
4	1	050107	12MP-12FJX, MALE PIPE-FEMALE JIC SWIVEL STRAIGHT HYD ADAPTER
3	1	050101	12MJ-PLUG, MALE JIC HEX PLUG HYD ADAPTER
2	2	060110	1469 X 12 90 DEG MALE ELBOW
1	1	CH3020-00	2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD ASSEMBLY

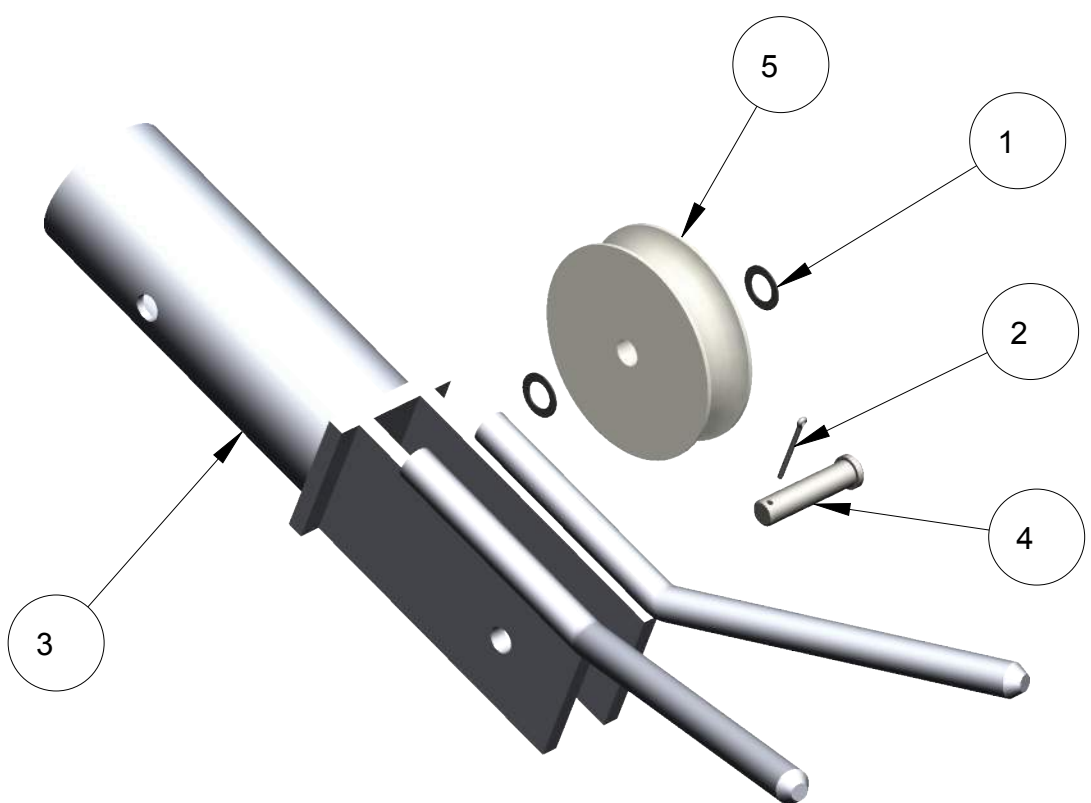
CH3020-00 (2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD ASSEMBLY)			
11	2	CH3007-02	WHIP CUTTER ATTACHMENT HOUSING
10	1	040106	5/16", SPLIT LOCK WASHER, ZP
9	2	040105	5/16" x 1-1/4" FENDER WASHER, ZP
8	2	040103	5/16-18 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
7	1	010115	5/16-18 X 1", HHCS, GR. 5, ZP
6	6	010100	3/8-16 X 5/8", SCKT. SET SCR, BRS
5	2	010122	3/8-16 X 2-1/4", SHCS, BLK. OXIDE
4	2	040104	3/8-16 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
3	2	010121	3/8-16 X 1-1/2", SHCS, BLK. OXIDE
2	1	010108	3/16" SQUARE X 1-1/4" L, MACHINE KEY, STL
1	1	CH3020-01	2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD
ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIALS			

CH3019-00 (4 CHAIN STEEL FLAIL HEAD CUTTER ASSEMBLY)			
8	1	040106	5/16", SPLIT LOCK WASHER, ZP
7	1	040105	5/16" x 1-1/4" FENDER WASHER, ZP
6	1	010115	5/16-18 X 1", HHCS, GR. 5, ZP
5	4	010139	3/8-16, HEX NUT, GR. A, ZP
4	1	010108	3/16" SQUARE X 1-1/4" L, MACHINE KEY, STL
3	2	010127	1/4-20 X 1/2". SCKT. SET SCR, CUP PT, BLK. OXIDE
2	4	010129	1/2 X 1", SCKT SHLDR. SCR, 3/8-16 THD
1	1	CH2000-50	4 CHAIN STEEL FLAIL HEAD
ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIALS			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16		DO NOT SCALE DRAWING		TREATMENT		FINISH		MATERIAL		SEE BOM	
APPROVALS		DATE		DRAWN		CHECKED		ENGR		SCALE		3/8	
EPP		01-17-13		-		-		-		-		-	
BILL OF MATERIALS		TITLE		SIZE		DWG NO.		REV.		C		1 OF 1	
MOLE-MASTER SERVICES CORPORATION		PNEUMATIC JUNIOR 360 MODEL NO: JR360P CUTTING HEAD ASSEMBLY		PL3360P-7		27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726		C		1 OF 1		1 OF 1	

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	RVSD BOM FOR JB3010-00	02-15-16	EPP
B	MOVED 010148 TO M3100-00	07-22-19	EPP



JB3010-00 (BOOM END ASSEMBLY)

5	1	M2001-10	PULLEY, SINGLE SPOOL
4	1	JB3010-02	MODIFIED CLEVIS PIN
3	1	JB3020-00	BOOM END WELDMENT
2	1	010153	5/32" x 2", COTTER PIN, ZP
1	2	010135	3/4", MACHINERY BUSHING, 18 GA., PLN FIN
ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIALS			

13	1	JB3008-00	EYE BOLT CLEVIS PIN
12	1	JB3006-01	BOOM EXTENSION
11	1	JB3004-01	BOOM EXTENSION
10	1	JB3003-01	BOOM EXTENSION
9	1	JB3002-00	BOOM EXTENSION
8	1	JB3010-00	BOOM END ASSEMBLY
7	1	JB3001-00	BOOM
6	1	030105	3/4" x 6-1/2" VINYL COATED HITCH PIN
5	3	010103	3/4" X 4-1/2", CLEVIS PIN, ZP
4	5	010159	3/4" SHAFT, RUE RING LOCKING COTTER PIN
3	1	JB3009-00	1/4" GALV AIRCRAFT CABLE ASSEMBLY 138-3/4" LG
2	1	JB3007-00	1/4" GALV AIRCRAFT CABLE ASSEMBLY 50-1/4" LG
1	1	030124	1/2" ROUND PIN CHAIN SHACKLE
ITEM	QTY	PART NO.	DESCRIPTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
DECIMALS ANGLES
.XX± .01 ±2°
XXX± .005
FRACTIONAL ± 1/16

DO NOT SCALE DRAWING

TREATMENT

FINISH

MATERIAL

SEE BOM

APPROVALS	DATE
DRAWN	EPP 03-12-13
CHECKED	-
ENGR	-

27815 STATE ROUTE 7
MARIETTA, OHIO
45750 USA
740-374-6726

MOLE-MASTER
SERVICES CORPORATION

TITLE
PNEUMATIC JUNIOR 360
MODEL NO: JR360P
BOOM ASSEMBLY

SIZE
D

DWG NO.
PL3360P-8

REV.
B

SCALE
3/16

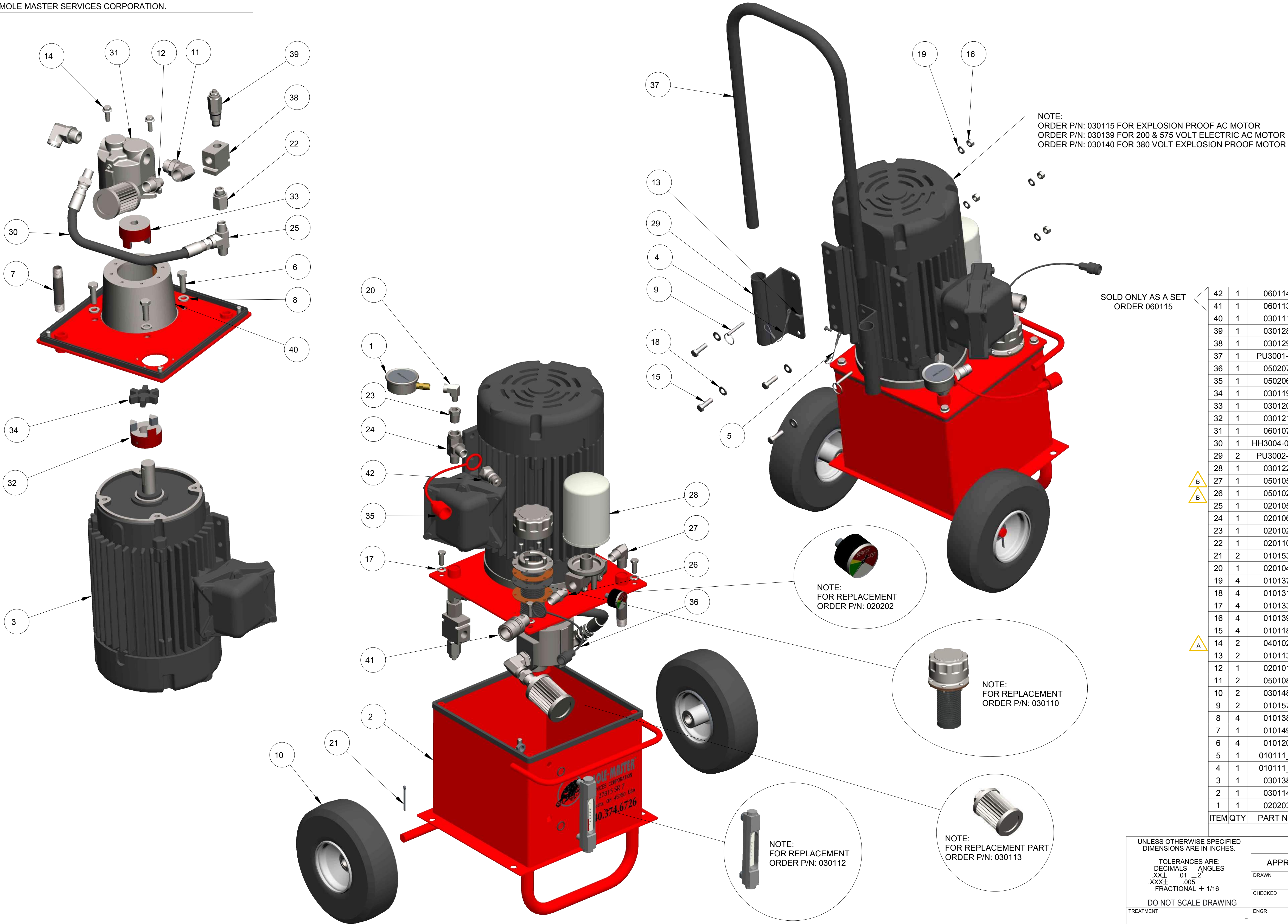
CALC. WT
-

ACT. WT
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SHEET
1 OF 1

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	040102 WAS 010117	05-15-14	EPP
B	050102 WAS 020101, 050105 WAS 020103	05-30-14	EPP
C	REPLACED 030103 & 030104 WITH 030148	03-29-17	EPP

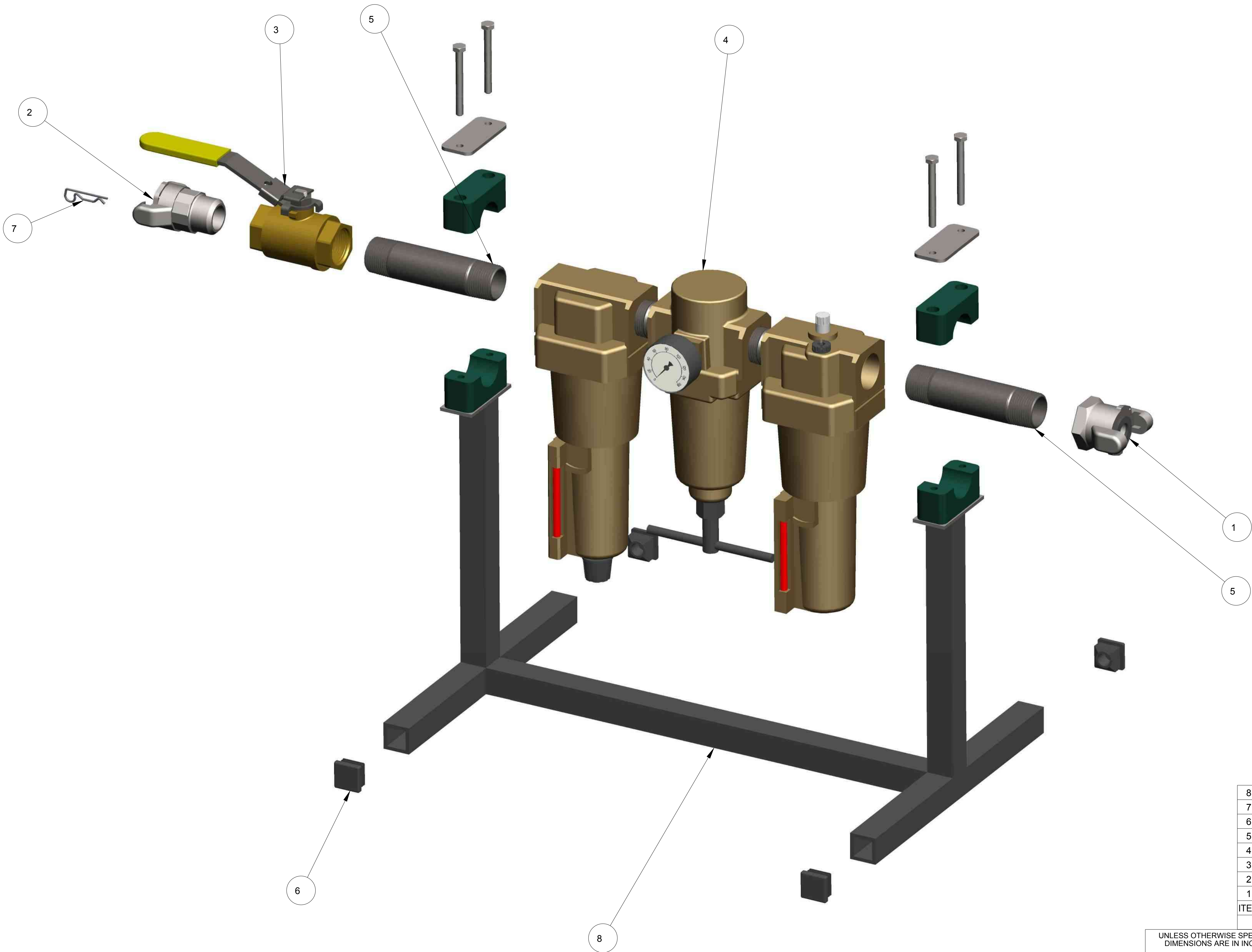


ITEM	QTY	PART NO.	DESCRIPTION
42	1	060114	QUICK COUPLER, MALE
41	1	060113	QUICK COUPLER, FEMALE
40	1	030111	PUMP MOUNT FOR ELECTRIC MOTOR
39	1	030128	PRESSURE RELIEF CARTRIDGE
38	1	030129	PRESSURE RELIEF BODY
37	1	PU3001-01	POWER UNIT HANDLE
36	1	050207	PLASTIC SOCKET DUST CAP, QUICK DISCONNECT COUPLING
35	1	050206	PLASTIC PLUG DUST CAP, QUICK DISCONNECT COUPLING
34	1	030119	LOVEJOY-SPIDER COUPLING-L099/L100SOX
33	1	030120	LOVEJOY COUPLER-L099X5/8HUB3/16
32	1	030121	LOVEJOY COUPLER-L099X1 1/8HUB1/4
31	1	060107	HYDRAULIC GEAR PUMP
30	1	HH3004-00_1	HOSE ASSY,#8M3K,(1)8GE-8MPX,(1)8GE-8MP, 18" LGTH
29	2	PU3002-00	HANDLE MOUNTING BRACKET
28	1	030122	FILTER ASSEMBLY, HYDRAULIC OIL
27	1	050105	8MP-8MP90, MALE PIPE-MALE PIPE 90 D ELBOW HYD ADAPTER
26	1	050102	8MP-8MP, MALE PIPE-MALE PIPE HEX NIPPLE
25	1	020105	8MP-8MP-8FP, MALE PIPE-MALE PIPE-FEMALE PIPE TEE HYD ADAPTER
24	1	020106	8MP-8FP-8MP, MALE PIPE-FEMALE PIPE-MALE PIPE TEE HYD ADAPTER
23	1	020102	8MP-4FP, MALE PIPE-FEMALE PIPE HEX REDUCER BUSHING HYD ADAPTER
22	1	020110	8MB-8FP, MALE O RING BOSS-FEMALE PIPE THREAD STR HYD ADAPT
21	2	010153	5/32" x 2", COTTER PIN, ZP
20	1	020104	4MP-4FP90, MALE PIPE-FEMALE 90° STREET ELBOW HYD ADAPTER
19	4	010137	3/8", SPLIT LOCK WASHER, ZP
18	4	010131	3/8", FLAT WASHER, SAE, ZP
17	4	010133	3/8", BONDED SEALING WASHER, 18-8 SS
16	4	010139	3/8-16, HEX NUT, GR. A, ZP
15	4	010118	3/8-16 X 1-1/4", HHCS, GR. 5, ZP
14	2	040102	3/8-16 X 1", FLG BOLT, SERRATTED WASHER, GR 8.2, ZP
13	2	010113	3/16", BLIND POP-RIVET, BUTTON HEAD, ALUM
12	1	020101	12MP-8MP, MALE PIPE-MALE PIPE HEX NIPPLE HYD ADAPTER
11	2	050108	12MB-8FP90, MALE O-RING BOSS-FEMALE PIPE 90° ELBOW HYD ADAPTER
10	2	030148	10" FLAT FREE WHEEL ASSY, 3" OFFSET
9	2	010157	1/4" X 1-1/2", DETENT RING PIN
8	4	010138	1/2", SPLIT LOCK WASHER, ZP
7	1	010149	1/2" X 4", SEAMLESS PIPE NIPPLE, SCHD 80, 3000#
6	4	010120	1/2-13 X 1-1/2", HHCS, GR. 5, ZP
5	1	010111_6	1/16" X 6", BARE CABLE, STEEL LANYARD
4	1	010111_4	1/16" X 6", BARE CABLE, STEEL LANYARD
3	1	030138	5 HP,1750 RPM,3PH,TEFC GENERAL PURPOSE ELECTRIC AC MOTOR
2	1	030114	5 GALLON VERTICAL HYDRAULIC RESERVOIR
1	1	020203	2-1/2"-3000 PSI GLY GAUGE, 1/4" NPT BOTTOM MOUNT

BILL OF MATERIALS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16	
DO NOT SCALE DRAWING		TREATMENT	
FINISH		MATERIAL	
SEE BOM		DO NOT SCALE DRAWING	
APPROVALS		DATE	
DRAWN		EPP	
CHECKED		-	
ENGR		-	
SIZE		DWG NO.	
D		PL3360P-9	
SCALE		1/4"	
CALC WT		ACT WT	
SHEET		1 OF 1	

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	REPLACED 060117 WITH 060101	07-11-19	EPP



NOTE: ORDER 050209 FOR REPLACEMENT PRESSUE GAUGE

8	1	FRL3001-00	MOUNTING BASE WELDMENT
7	1	050200	AIR KING SAFETY CLIP
6	4	060106	1" SQUARE TUBE PLUG, PLASTIC, BLACK
5	2	060101	1" PIPE NIPPLE X 5" LONG, SCHD 40, STL
4	1	060112	1" NPT PORTED, FILTER-REGULATOR-LUBRICATOR ASSEMBLY
3	1	060100	1" NPT BRASS BALL VALVE WITH LOCKABLE LEVER HANDLE, FEMALE CONN
2	1	050203	1" MPT, CHICAGO FITTING/AIR KING UNIVERSAL COUPLING
1	1	050204	1" FPT, CHICAGO FITTING/AIR KING UNIVERSAL COUPLING
ITEM	QTY	PART NO.	DESCRIPTION

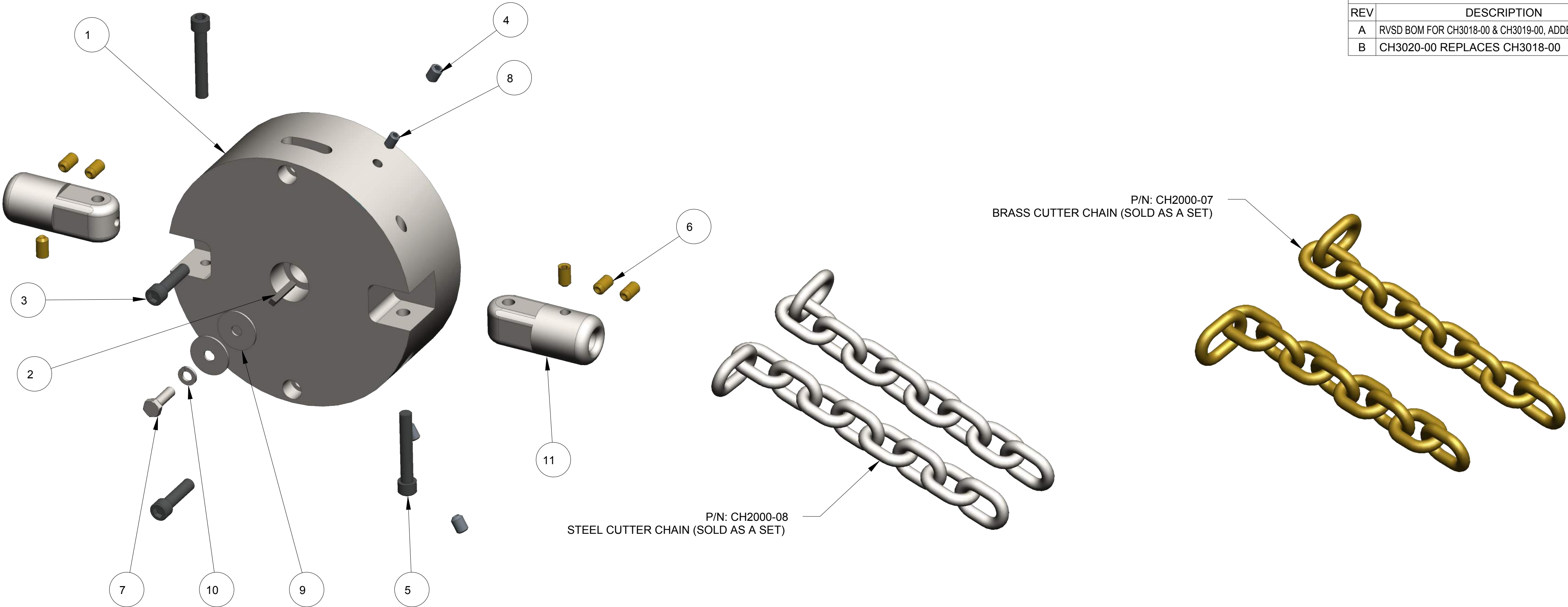
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				MOLE-MASTER SERVICES CORPORATION 27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726 			
TOLERANCES ARE: DECIMALS ANGLES .XX± .01 ±2° .XXX± .005 FRACTIONAL ± 1/16				APPROVALS		DATE	
DO NOT SCALE DRAWING				DRAWN EPP		01-17-13	
CHECKED				-		-	
TREATMENT				ENGR			
FINISH				-			
MATERIAL				SEE BOM			
				SIZE D		DWG NO. PL3360P-10	
				SCALE 1/2		REV. A	
				SCALE 1/2		1 OF 1	
				SHEET		1 OF 1	

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REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	RVSD BOM FOR CH3018-00 & CH3019-00, ADDED 050208	09-10-18	EPP
B	CH3020-00 REPLACES CH3018-00	11-19-18	EPP

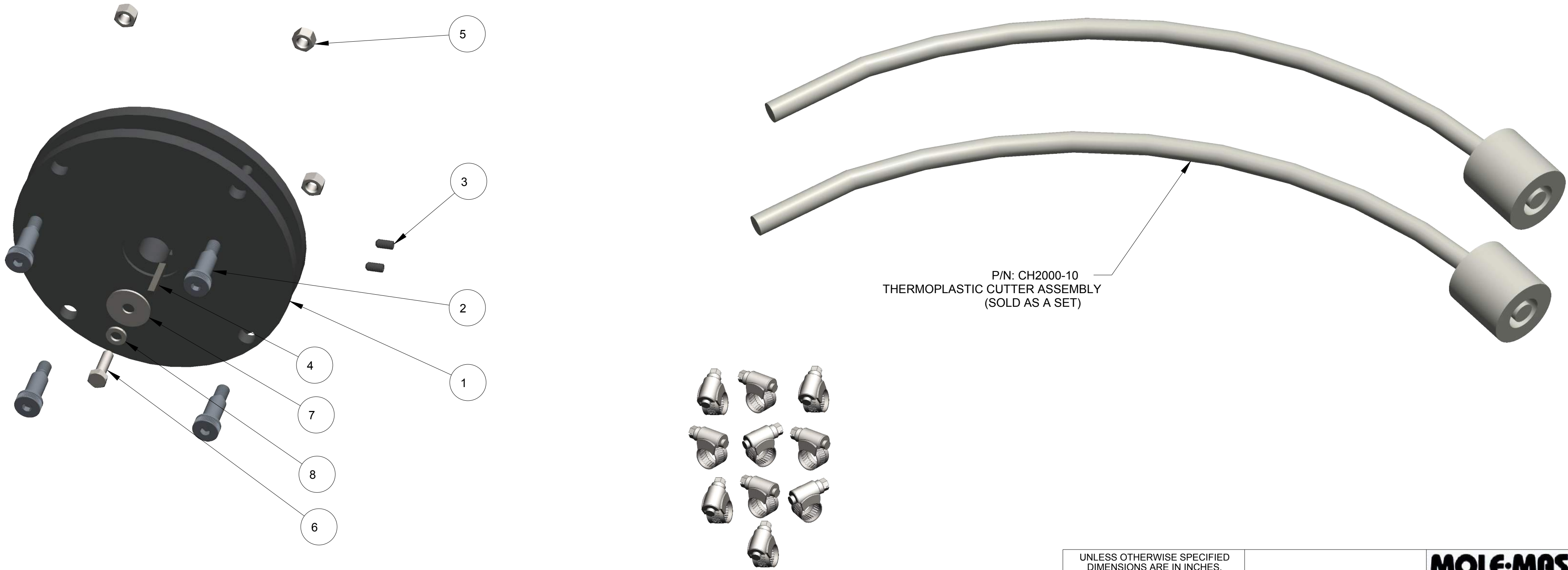
CH3020-00 (2 CHAIN & 2 WHIP ALUMINUM CUTTER ASSEMBLY)

ITEM	QTY	PART NO.	DESCRIPTION
11	2	CH3007-02	WHIP CUTTER ATTACHMENT HOUSING
10	1	040106	5/16", SPLIT LOCK WASHER, ZP
9	2	040105	5/16" x 1-1/4" FENDER WASHER, ZP
8	2	040103	5/16-18 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
7	1	010115	5/16-18 X 1", HHCS, GR. 5, ZP
6	6	010100	3/8-16 X 5/8", SCKT. SET SCR, BRS
5	2	010122	3/8-16 X 2-1/4", SHCS, BLK. OXIDE
4	2	040104	3/8-16 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
3	2	010121	3/8-16 X 1-1/2", SHCS, BLK. OXIDE
2	1	010108	3/16" SQUARE X 1-1/4" L, MACHINE KEY, STL
1	1	CH3020-01	2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD
BILL OF MATERIALS			



CH3019-00 (4 CHAIN STEEL FLAIL HEAD CUTTER ASSEMBLY)

ITEM	QTY	PART NO.	DESCRIPTION
8	1	040106	5/16", SPLIT LOCK WASHER, ZP
7	1	040105	5/16" x 1-1/4" FENDER WASHER, ZP
6	1	010115	5/16-18 X 1", HHCS, GR. 5, ZP
5	4	010139	3/8-16, HEX NUT, GR. A, ZP
4	1	010108	3/16" SQUARE X 1-1/4" L, MACHINE KEY, STL
3	2	010127	1/4-20 X 1/2", SCKT. SET SCR, CUP PT, BLK. OXIDE
2	4	010129	1/2 X 1", SCKT SHLDR. SCR, 3/8-16 THD
1	1	CH2000-50	4 CHAIN STEEL FLAIL HEAD
BILL OF MATERIALS			



050208 (STAINLESS STEEL HOSE CLAMPS
FOR WHIP CUTTERS)
SOLD AS BOX OF 10 ONLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		APPROVALS		DATE	MOLE-MASTER TM SERVICES CORPORATION		27815 STATE ROUTE 7 MARIETTA, OHIO 45750 USA 740-374-6726	
TOLERANCES ARE: DECIMALS .01 ±.02 ANGLES .005 FRACTIONAL ± 1/16		DRAWN		EPP	01-17-13		TITLE	
DO NOT SCALE DRAWING		CHECKED		-	-		PNEUMATIC JUNIOR 360 ^o MODEL NO: JR360P ASSESSORIES	
TREATMENT		ENGR					SIZE	
FINISH							DWG NO.	
MATERIAL							REV.	
SEE BOM							B	
SCALE		3/8					PL3360P-11	
							1 OF 1	