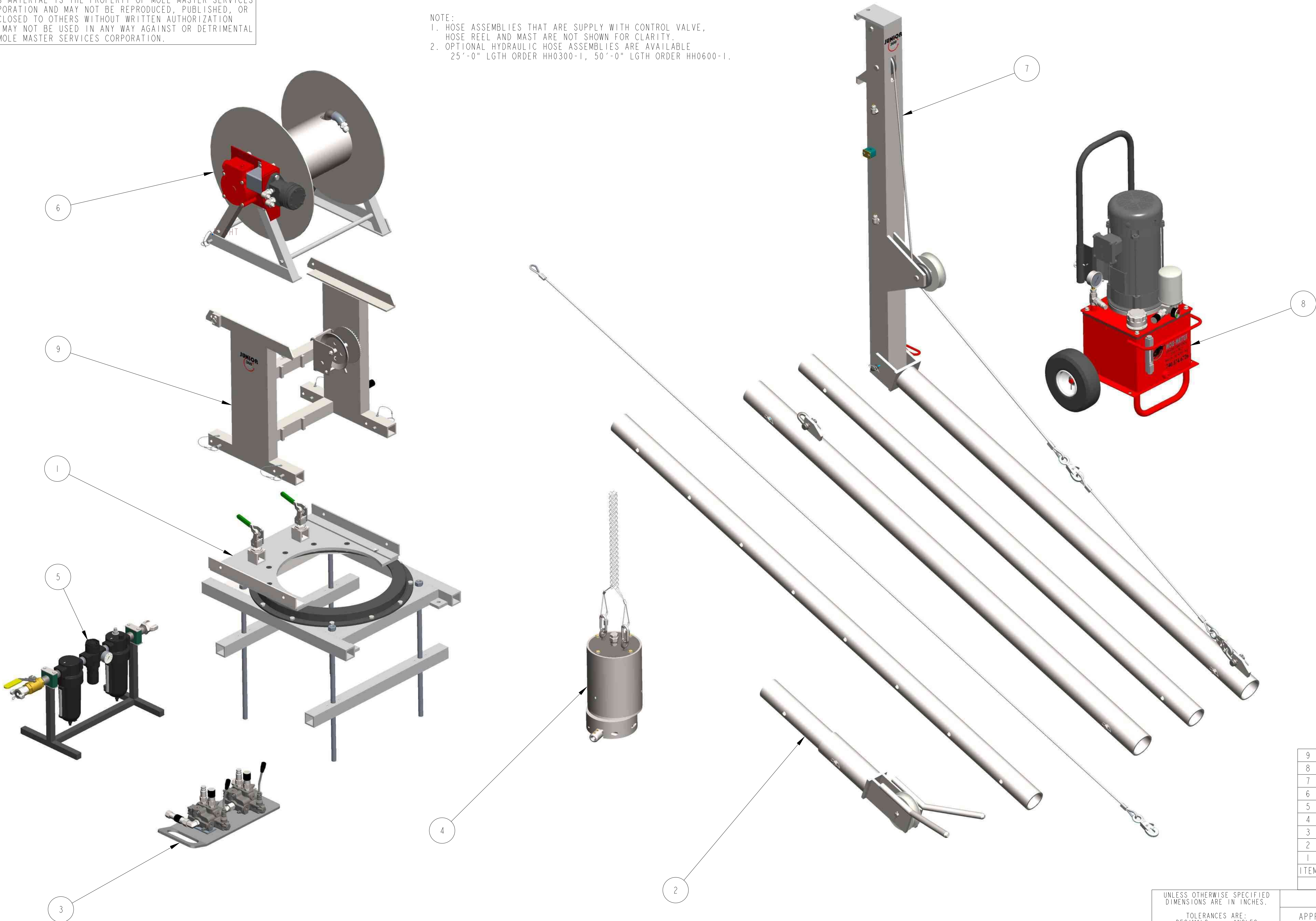


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NOTE:  
1. HOSE ASSEMBLIES THAT ARE SUPPLY WITH CONTROL VALVE,  
HOSE REEL AND MAST ARE NOT SHOWN FOR CLARITY.  
2. OPTIONAL HYDRAULIC HOSE ASSEMBLIES ARE AVAILABLE  
25'-0" LGTH ORDER HH0300-1, 50'-0" LGTH ORDER HH0600-1.

| REVISION HISTORY |                                     |          |     |
|------------------|-------------------------------------|----------|-----|
| REV              | DESCRIPTION                         | DATE     | BY  |
| A                | RVSD CONTROL VALVE PART NUMBER      | 01-08-20 | EPP |
| B                | CH2500-00 WAS CH2000-00             | 01-11-24 | EPP |
| C                | UPDATED POWER UNIT MOTOR & FRL UNIT | 08-14-24 | EPP |



|      |     |            |                                      |
|------|-----|------------|--------------------------------------|
| 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   | CH2500-00  | CUTTING HEAD ASSEMBLY                |
| 3    | 1   | CV3300-00  | CONTROL VALVE ASSEMBLY               |
| 2    | 1   | JB3100-00  | BOOM ASSEMBLY                        |
| 1    | 1   | BF3000-00  | BEARING FRAME ASSEMBLY               |
| ITEM | QTY | PART NO.   | DESCRIPTION                          |

|                                                         |         |                                                                                      |     |                      |              |
|---------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|----------------------|--------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES. |         | TOLERANCES ARE:<br>DECIMALS ANGLES<br>.XX ±.01 ±2°<br>.XXX ±.005<br>FRACTIONAL ±1/16 |     | DO NOT SCALE DRAWING |              |
| TREATMENT                                               | -       | ENGR                                                                                 |     | APPROVALS            | DATE         |
| FINISH                                                  | -       |                                                                                      |     | DRAWN                | EPP 01-17-13 |
| MATERIAL                                                | SEE BOM |                                                                                      |     | CHECKED              | -            |
|                                                         |         | SCALE                                                                                | 1/8 | SIZE                 | D            |
|                                                         |         | SCALE                                                                                | 1/8 | DWG. NO.             | PL3360P-1    |
|                                                         |         | SCALE                                                                                | 1/8 | REV.                 | C            |

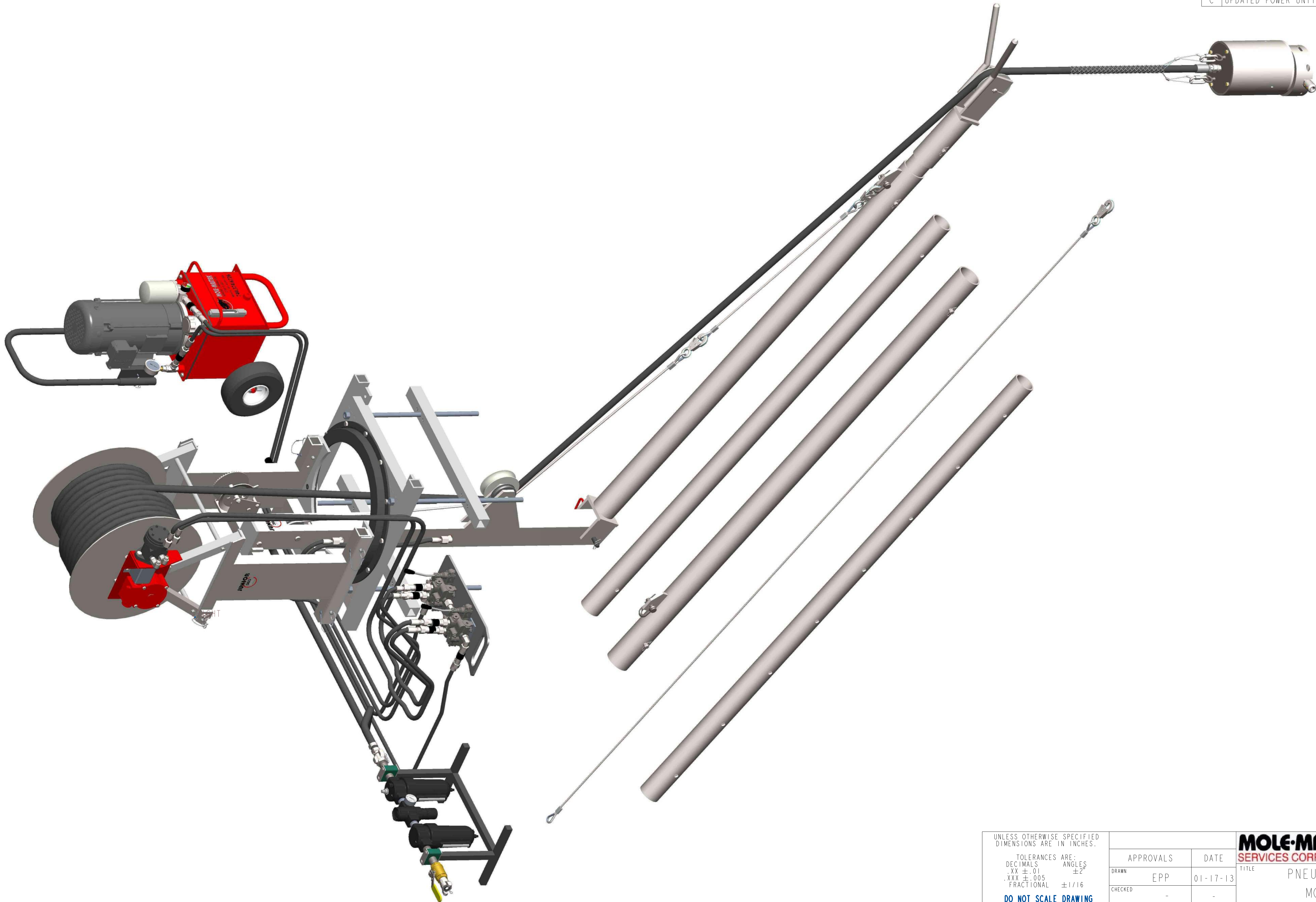
**MOLE-MASTER**  
SERVICES CORPORATION

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

TITLE  
PNEUMATIC JUNIOR 360°  
MODEL NO: JR360P  
MASTER PARTS LIST

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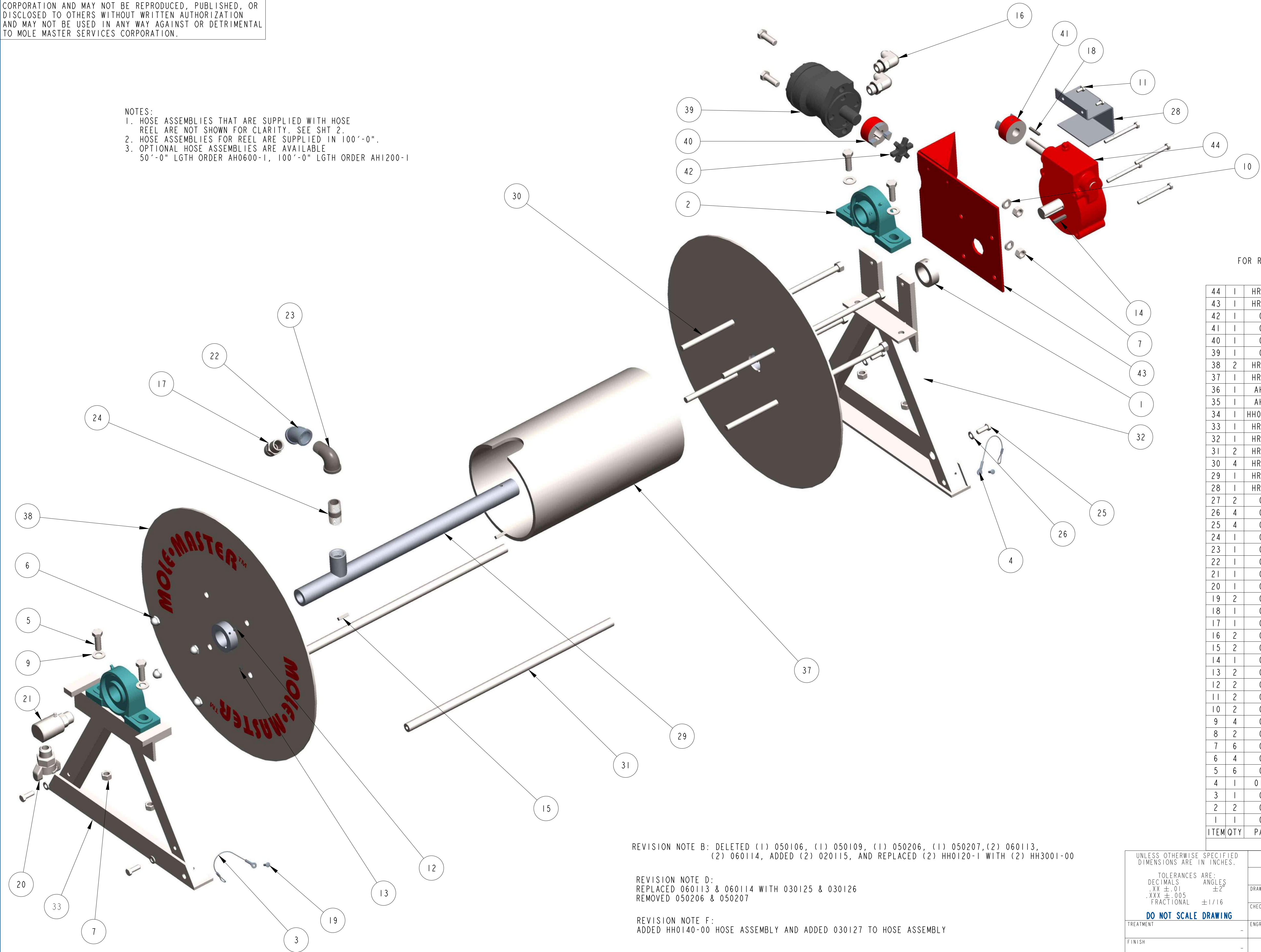
| REVISION HISTORY |                                     |          |     |
|------------------|-------------------------------------|----------|-----|
| REV              | DESCRIPTION                         | DATE     | BY  |
| A                | RVSD CONTROL VALVE PART NUMBER      | 01-08-20 | EPP |
| B                | CH2500-00 WAS CH2000-00             | 01-11-24 | EPP |
| C                | UPDATED POWER UNIT MOTOR & FRL UNIT | 08-14-24 | EPP |



|                                                                                                                                                                          |                  |     |                   |                                                    |      |                                                                                       |          |                                                                 |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-------------------|----------------------------------------------------|------|---------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------|--------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br><br>TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16<br><br><b>DO NOT SCALE DRAWING</b> | APPROVALS        |     | DATE              | <b>MOLE-MASTER™</b><br><b>SERVICES CORPORATION</b> |      |  |          | 27815 STATE ROUTE 7<br>MARIETTA, OHIO 45750 USA<br>740-374-6726 |              |
|                                                                                                                                                                          | DRAWN            | EPP | 01-17-13          |                                                    |      |                                                                                       |          |                                                                 |              |
|                                                                                                                                                                          | CHECKED          | -   | -                 | TITLE                                              |      | PNEUMATIC JUNIOR 360°                                                                 |          |                                                                 |              |
|                                                                                                                                                                          | MODEL NO: JR360P |     | MASTER PARTS LIST |                                                    |      |                                                                                       |          |                                                                 |              |
|                                                                                                                                                                          | TREATMENT        | -   | ENGR              | -                                                  | SIZE |                                                                                       | DWG NO.  |                                                                 |              |
| FINISH                                                                                                                                                                   | -                |     |                   | D                                                  |      | PL3360P-1                                                                             |          | C                                                               |              |
| 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 B          | 08-24-16 | EPP |
| C                | ADDED 050206 & 050207 TO BOM | 05-01-18 | EPP |
| D                | SEE REVISION NOTE D          | 02-25-22 | EPP |
| E                | HR3002-00 WAS HR3010-00      | 10-23-24 | EPP |
| F                | SEE REVISION NOTE F          | 04-24-25 | EPP |

FOR REPLACEMENT QUICK COUPLERS USE P/N: 030127, STUCCHI COUPLING SET

|      |     |             |                                                                 |
|------|-----|-------------|-----------------------------------------------------------------|
| 44   | 1   | HR3009-01   | TERN GEAR REDUCER                                               |
| 43   | 1   | HR2003-00   | MOTOR MOUNTING BRACKET WELDMENT                                 |
| 42   | 1   | 030116      | LOVEJOY-SPIDER COUPLING-L090/L095SOX                            |
| 41   | 1   | 030117      | LOVEJOY COUPLER-L095X3/4HUB3/16                                 |
| 40   | 1   | 030118      | LOVEJOY COUPLER-L095X1HUB1/4                                    |
| 39   | 1   | 030137      | HYDRAULIC MOTOR                                                 |
| 38   | 2   | HR2005-00   | HOSE REEL END WELDMENT                                          |
| 37   | 1   | HR2004-01   | HOSE REEL DRUM                                                  |
| 36   | 1   | AH0120-1    | HOSE ASSY,(2) AM6,(4) CP7S99, 120" LGTH                         |
| 35   | 1   | AH1200-1    | HOSE ASSY,#12EFG4K,(1) 12EFG-12FJX,(1) 12EFG-12JIC,100'-0" LGTH |
| 34   | 1   | HH0140-00-1 | HOSE ASSEMBLY, 140" LG, HOSE REEL MOTOR SIDE                    |
| 33   | 1   | HR3002-00   | FRAME, SWIVEL 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                                                     |

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

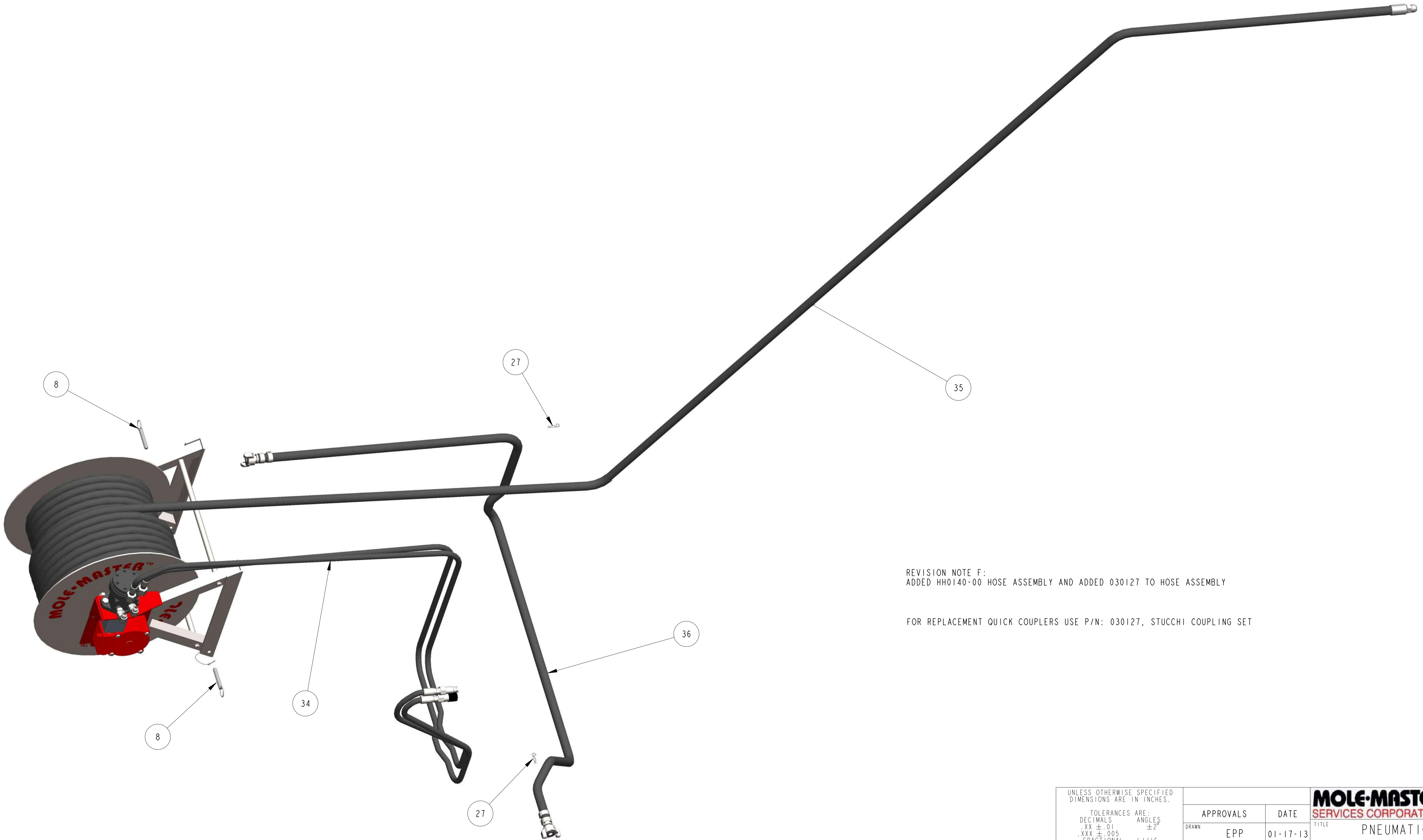
REVISION NOTE D:  
REPLACED 060113 & 060114 WITH 030125 & 030126  
REMOVED 050206 & 050207

REVISION NOTE F:  
ADDED HH0140-00 HOSE ASSEMBLY AND ADDED 030127 TO HOSE ASSEMBLY

|                                                         |                                                                        |                                                                 |                       |                                                                                       |
|---------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES. | TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16 |                                                                 | DO NOT SCALE DRAWING  |                                                                                       |
|                                                         | TREATMENT                                                              | -                                                               | ENGR                  |                                                                                       |
|                                                         | FINISH                                                                 | -                                                               |                       |                                                                                       |
|                                                         | MATERIAL                                                               | SEE BOM                                                         |                       |                                                                                       |
|                                                         | APPROVALS                                                              |                                                                 | DATE                  |                                                                                       |
| DRAWN                                                   | EPP                                                                    | 01-17-13                                                        | TITLE                 |                                                                                       |
| CHECKED                                                 | -                                                                      | -                                                               | PNEUMATIC JUNIOR 360° |                                                                                       |
|                                                         |                                                                        |                                                                 | MODEL NO: JR360P      |                                                                                       |
|                                                         |                                                                        |                                                                 | HOSE REEL ASSEMBLY    |                                                                                       |
| SIZE                                                    |                                                                        | D                                                               | DWG NO.               | PL3360P-2                                                                             |
| SCALE                                                   |                                                                        | 1/4                                                             | ENC. WT               | ACT. WT                                                                               |
|                                                         |                                                                        |                                                                 | SHEET                 | 1 OF 2                                                                                |
| REV.                                                    |                                                                        | F                                                               |                       |                                                                                       |
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| REVISION HISTORY |                                |          |     |
|------------------|--------------------------------|----------|-----|
| REV              | DESCRIPTION                    | DATE     | BY  |
| A                | AH1200-1 WAS AH1200-00         | 05-06-14 | EPP |
| B                | SEE REVISION NOTE B ON SHEET 1 | 08-24-16 | EPP |
| C                | ADDED 050206 & 050207 TO BOM   | 05-01-18 | EPP |
| D                | SEE REVISION NOTE D ON SHEET 1 | 02-25-22 | EPP |
| E                | HR3002-00 WAS HR3010-00        | 10-23-24 | EPP |
| F                | SEE REVISION NOTE F            | 04-24-25 | EPP |

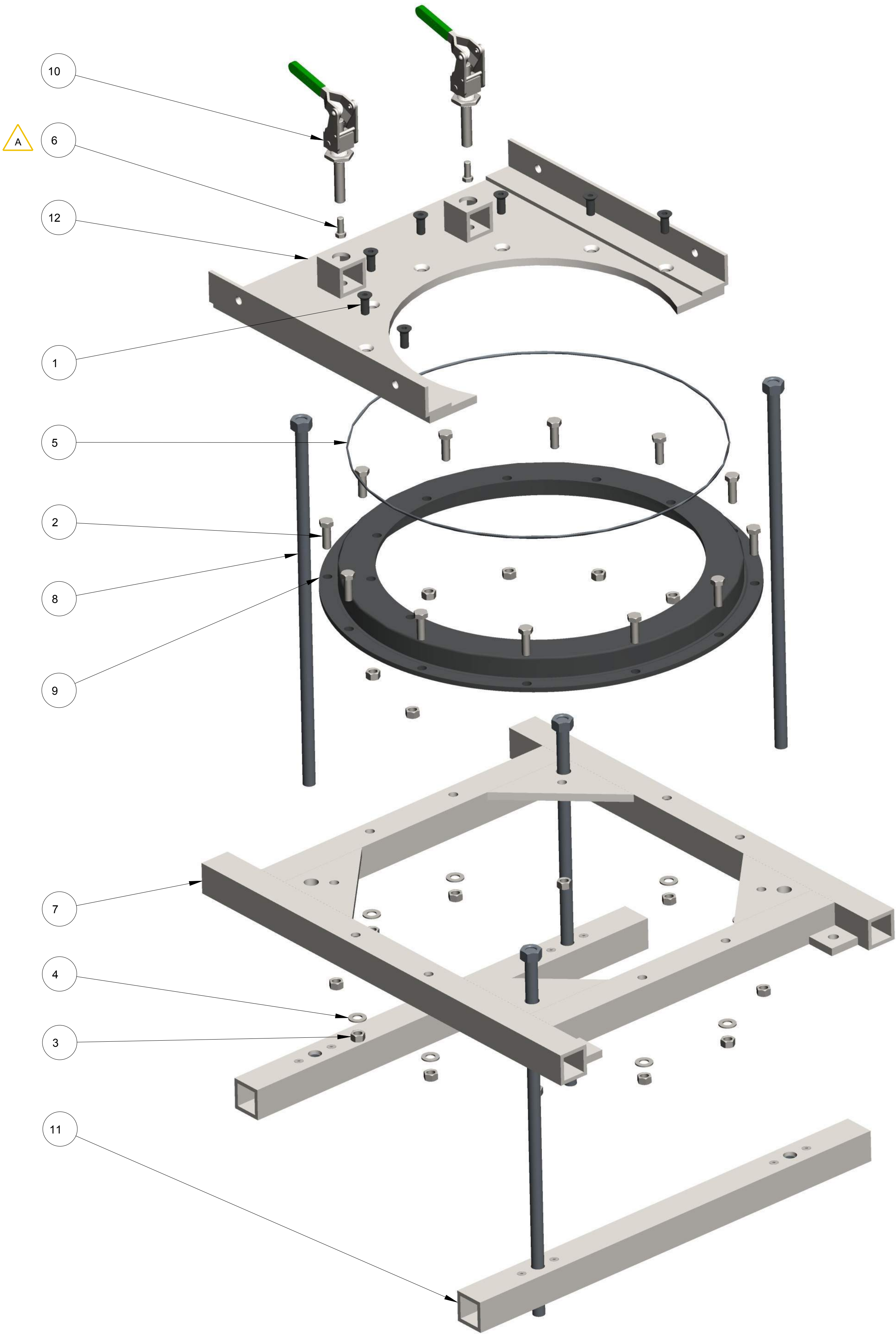


REVISION NOTE F:  
ADDED HH0140-00 HOSE ASSEMBLY AND ADDED 030127 TO HOSE ASSEMBLY

FOR REPLACEMENT QUICK COUPLERS USE P/N: 030127, STUCCHI COUPLING SET

|                                                                                                                                                                          |           |     |          |                                                                                                                                                                                                                                      |                     |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br><br>TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16<br><br><b>DO NOT SCALE DRAWING</b> | APPROVALS |     | DATE     | <b>MOLE-MASTER<sup>TM</sup></b><br><b>SERVICES CORPORATION</b><br><div>27815 STATE ROUTE 7<br/>MARIETTA, OHIO 45750 USA<br/>740-374-6726</div>  |                     |                      |
|                                                                                                                                                                          | DRAWN     | EPP | 01-17-13 |                                                                                                                                                                                                                                      |                     | TITLE                |
|                                                                                                                                                                          | CHECKED   | -   | -        | PNEUMATIC JUNIOR 360°<br>MODEL NO: JR360P<br>HOSE REEL ASSEMBLY                                                                                                                                                                      |                     |                      |
|                                                                                                                                                                          | TREATMENT | -   | ENGR     | -                                                                                                                                                                                                                                    |                     |                      |
|                                                                                                                                                                          | FINISH    | -   |          |                                                                                                                                                                                                                                      | SIZE<br>D           | DWG NO.<br>PL3360P-2 |
| MATERIAL                                                                                                                                                                 |           |     |          | SCALE<br>3/20                                                                                                                                                                                                                        | CALC. WT<br>ACT. WT | SHEET<br>2 OF 2      |

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

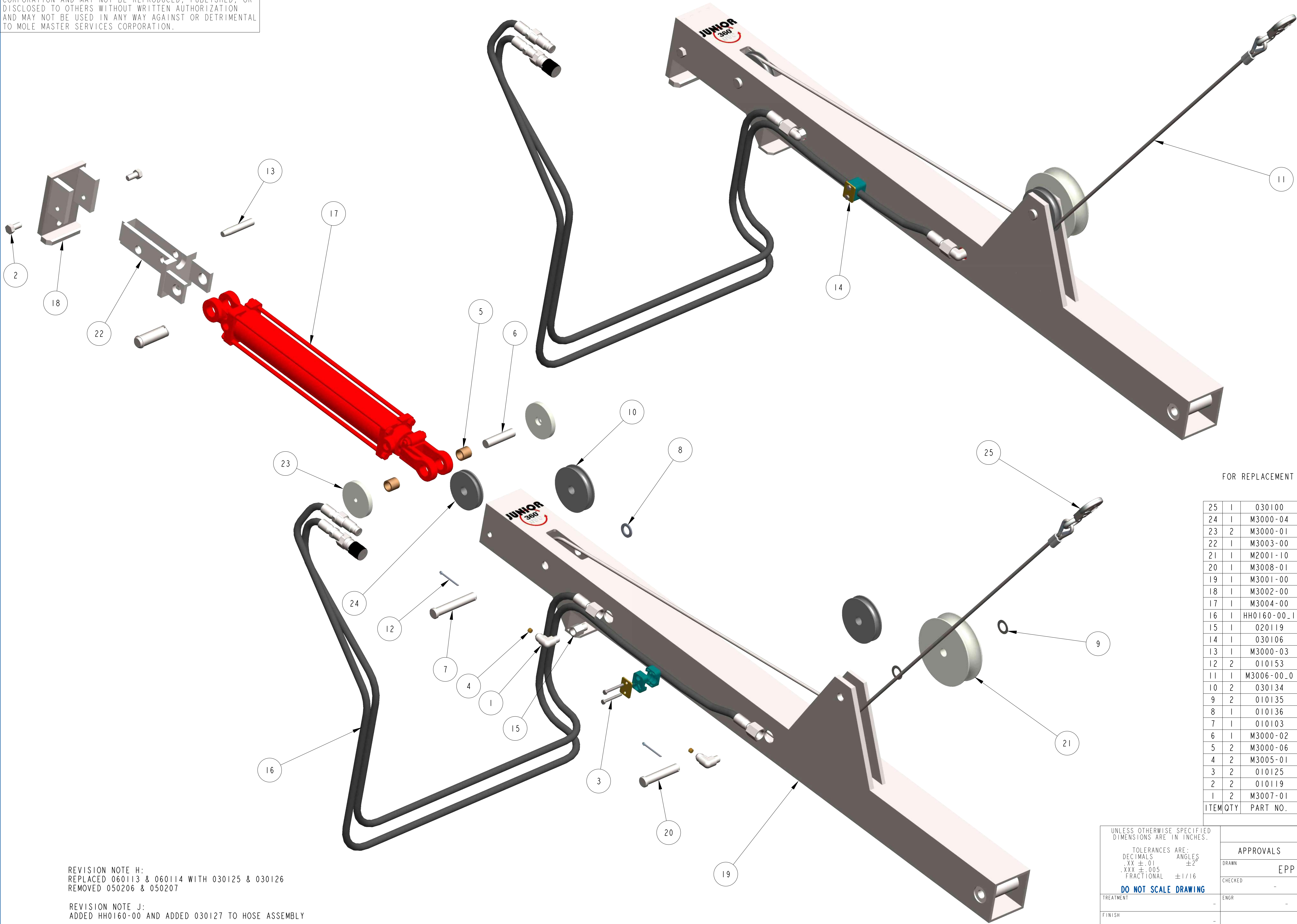
|      |     |           |                                          |
|------|-----|-----------|------------------------------------------|
| 12   | 1   | BF3001-00 | UPPER SUPPORT                            |
| 11   | 2   | BF2003-00 | UNDER ROOF LOCKING BAR ASS'Y             |
| 10   | 2   | 030107    | 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<br>DIMENSIONS ARE IN INCHES.                                                           |  |          |  | <div><div><div>MOLE-MASTER<sup>TM</sup></div><div>SERVICES CORPORATION</div></div><div></div></div> <div>27815 STATE ROUTE 7<br/>MARIETTA, OHIO 45750 USA<br/>740-374-6726</div> |                                   |  |               |
| TOLERANCES ARE:<br>DECIMALS ANGLES<br>.XX± .01 ±2°<br>.XXX± .005<br>FRACTIONAL ± 1/16<br><br>DO NOT SCALE DRAWING |  |          |  |                                                                                                                                                                                                                                                                       |                                   |  |               |
| APPROVALS                                                                                                         |  | DATE     |  | TITLE<br><br>PNEUMATIC JUNIOR 360 <sup>®</sup><br><br>MODEL NO: JR360P<br><br>BEARING FRAME ASSEMBLY                                                                                                                                                                  |                                   |  |               |
| DRAWN<br><br>EPP                                                                                                  |  | 01-17-13 |  |                                                                                                                                                                                                                                                                       |                                   |  |               |
| CHECKED<br><br>-                                                                                                  |  | -        |  |                                                                                                                                                                                                                                                                       |                                   |  |               |
| ENGR                                                                                                              |  |          |  |                                                                                                                                                                                                                                                                       |                                   |  |               |
| TREATMENT<br><br>-                                                                                                |  |          |  |                                                                                                                                                                                                                                                                       |                                   |  |               |
| FINISH<br><br>-                                                                                                   |  |          |  | SIZE<br><br>D                                                                                                                                                                                                                                                         | DWG NO.<br><br>PL3360P-3          |  | REV.<br><br>A |
| MATERIAL<br><br>SEE BOM                                                                                           |  |          |  | SCALE<br><br>1/4                                                                                                                                                                                                                                                      | C&C WT<br><br>ACT WT<br><br>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 |
| H                | SEE REVISION NOTE H              | 02-25-22 | EPP |
| J                | SEE REVISION NOTE J              | 04-24-25 | EPP |



FOR REPLACEMENT QUICK COUPLERS USE P/N: 030127, STUCCHI COUPLING SET

|      |     |             |                                                   |
|------|-----|-------------|---------------------------------------------------|
| 25   | 1   | 030100      | SNAP HOOK WITH DOUBLE SAFETY LATCH                |
| 24   | 1   | M3000-04    | SHEAVE, 3-1/2"OD, 3/8" ROPE, 3/4" BUSHING         |
| 23   | 2   | M3000-01    | ROLLER                                            |
| 22   | 1   | M3003-00    | PULLEY/CYLINDER MOUNT                             |
| 21   | 1   | M2001-10    | PULLEY, SINGLE SPOOL                              |
| 20   | 1   | M3008-01    | MODIFIED CLEVIS PIN, 3/4" X 3-3/4" LG             |
| 19   | 1   | M3001-00    | MAST TUBE                                         |
| 18   | 1   | M3002-00    | MAST TOP CAP WELDMENT                             |
| 17   | 1   | M3004-00    | HYDRAULIC TIE-ROD CYLINDER                        |
| 16   | 1   | HH0160-00_1 | HOSE ASSEMBLY, 160" & 140" LG, MAST               |
| 15   | 1   | 020119      | 6MP-6FPL, MAPLE PIPE-FEMALE PIPE LONG HYD ADAPTER |
| 14   | 1   | 030106      | 5/8" TUBE CLAMP                                   |
| 13   | 1   | M3000-03    | 5/8" OD TAPERED DOWEL PIN                         |
| 12   | 2   | 010153      | 5/32" x 2", COTTER PIN, ZP                        |
| 11   | 1   | M3006-00-0  | 5/16" GALV AIRCRAFT CABLE ASSEMBLY, 165" LG       |
| 10   | 2   | 030134      | 4" OD, 1/2" ROPE SHEEVE WITH 3/4" BUSHING         |
| 9    | 2   | 010135      | 3/4", MACHINERY BUSHING, 18 GA., PLN FIN          |
| 8    | 1   | 010136      | 3/4", MACHINERY BUSHING, 10 GA., PLN FIN          |
| 7    | 1   | 010103      | 3/4" X 4-1/2", CLEVIS PIN, ZP                     |
| 6    | 1   | M3000-02    | 3/4" x 3-1/8" STEEL DOWEL PIN, ZP                 |
| 5    | 2   | M3000-06    | 3/4" ID x 1" OD x 15/16" LG, BUSHING, BRONZE      |
| 4    | 2   | M3005-01    | 1/8" NPT BRASS SOCKET HEAD PIPE PLUG W/ ORIFICE   |
| 3    | 2   | 010125      | 1/4-20 X 2", HHCS, GR. 5, ZP                      |
| 2    | 2   | 010119      | 1/2-13 X 1", HHCS, GR. 5, ZP                      |
| 1    | 2   | M3007-01    | 020100,8MJ-6MP90, MODIFIED- 90° ELBOW             |
| ITEM | QTY | PART NO.    | DESCRIPTION                                       |

BILL OF MATERIALS

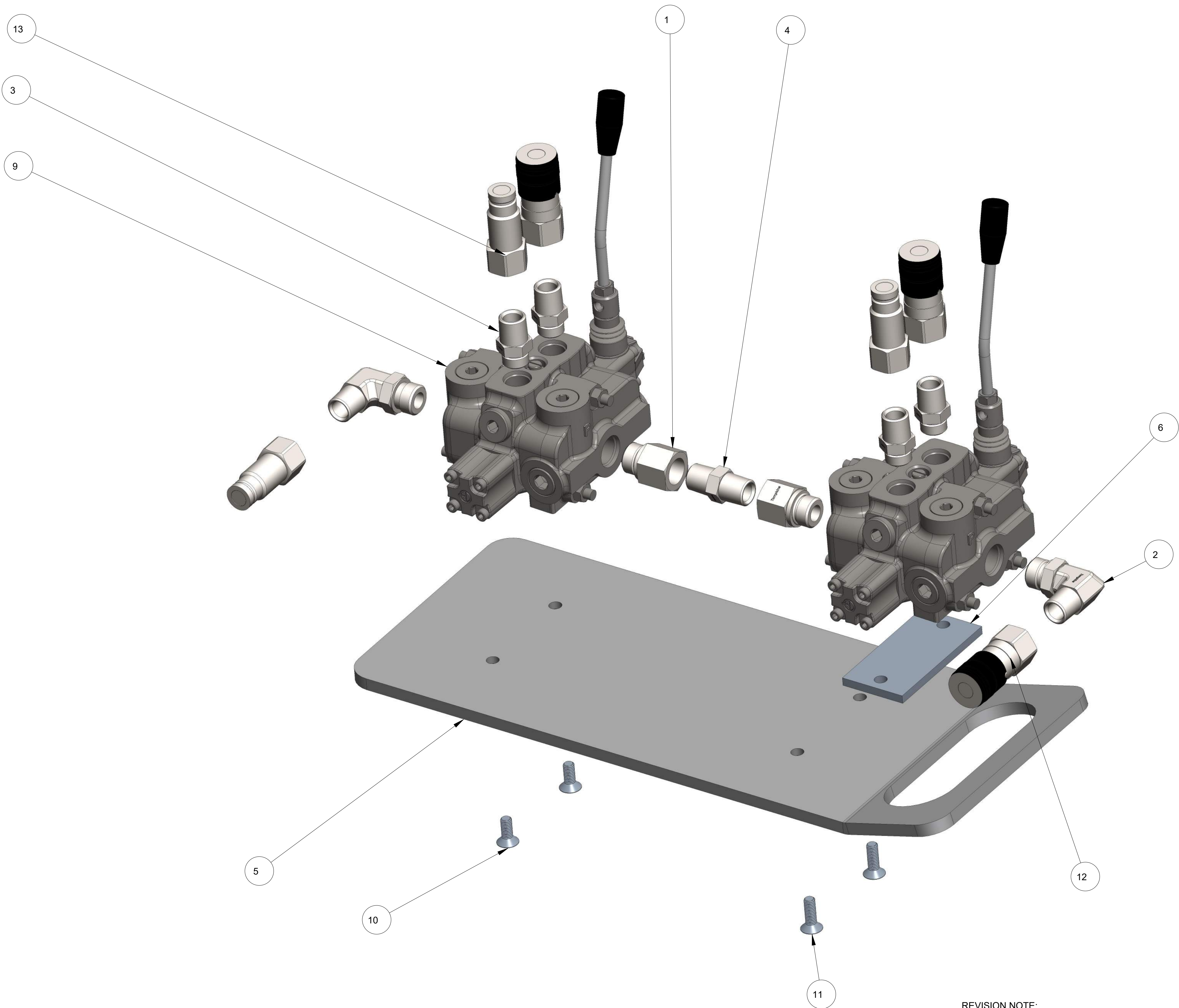
|                                                                                                                                                                          |           |     |      |                                                            |         |                                                                 |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|------|------------------------------------------------------------|---------|-----------------------------------------------------------------|---------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br><br>TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16<br><br><b>DO NOT SCALE DRAWING</b> | APPROVALS |     | DATE | TITLE                                                      |         | 27815 STATE ROUTE 7<br>MARIETTA, OHIO 45750 USA<br>740-374-6726 |         |
|                                                                                                                                                                          | DRAWN     | EPP |      |                                                            |         |                                                                 |         |
| TREATMENT                                                                                                                                                                | ENG       | -   | -    | PNEUMATIC JUNIOR 360°<br>MODEL NO: JR360P<br>MAST ASSEMBLY |         | PL3360P-4                                                       |         |
| FINISH                                                                                                                                                                   | -         | -   | -    |                                                            |         |                                                                 |         |
| MATERIAL                                                                                                                                                                 | SEE BOM   |     |      | SIZE                                                       | DWG NO. | REV.                                                            | J       |
|                                                                                                                                                                          |           |     |      | SCALE                                                      | 1/4     | CALC. WT                                                        | ACT. WT |
|                                                                                                                                                                          |           |     |      |                                                            |         | SHEET                                                           | 1 OF 1  |

REVISION NOTE H:  
REPLACED 060113 & 060114 WITH 030125 & 030126  
REMOVED 050206 & 050207

REVISION NOTE J:  
ADDED HH0160-00 AND ADDED 030127 TO HOSE ASSEMBLY

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| REVISION HISTORY |                                  |          |     |
|------------------|----------------------------------|----------|-----|
| REV              | DESCRIPTION                      | DATE     | BY  |
| A                | RVSD VALVE FROM PARKER TO YOU LI | 01-08-20 | EPP |
| B                | SEE REVISION NOTE                | 02-25-22 | 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 030127

|      |     |            |                                                             |
|------|-----|------------|-------------------------------------------------------------|
| 13   | 5   | 030125     | QUICK COUPLING, MALE END, 1/2" FEMALE PIPE                  |
| 12   | 5   | 030126     | QUICK COUPLING, FEMALE END, 1/2" FEMALE PIPE                |
| 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, YOU LI 1 SPOOL                             |
| 8    | 1   | HH0120-1_3 | HOSE ASSY, #8M3K, (2) 8GE-8MP, 120" LGTH                    |
| 7    | 1   | HH0120-1_2 | 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.

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      |     |          |

**MOLE-MASTER**  
SERVICES CORPORATION

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

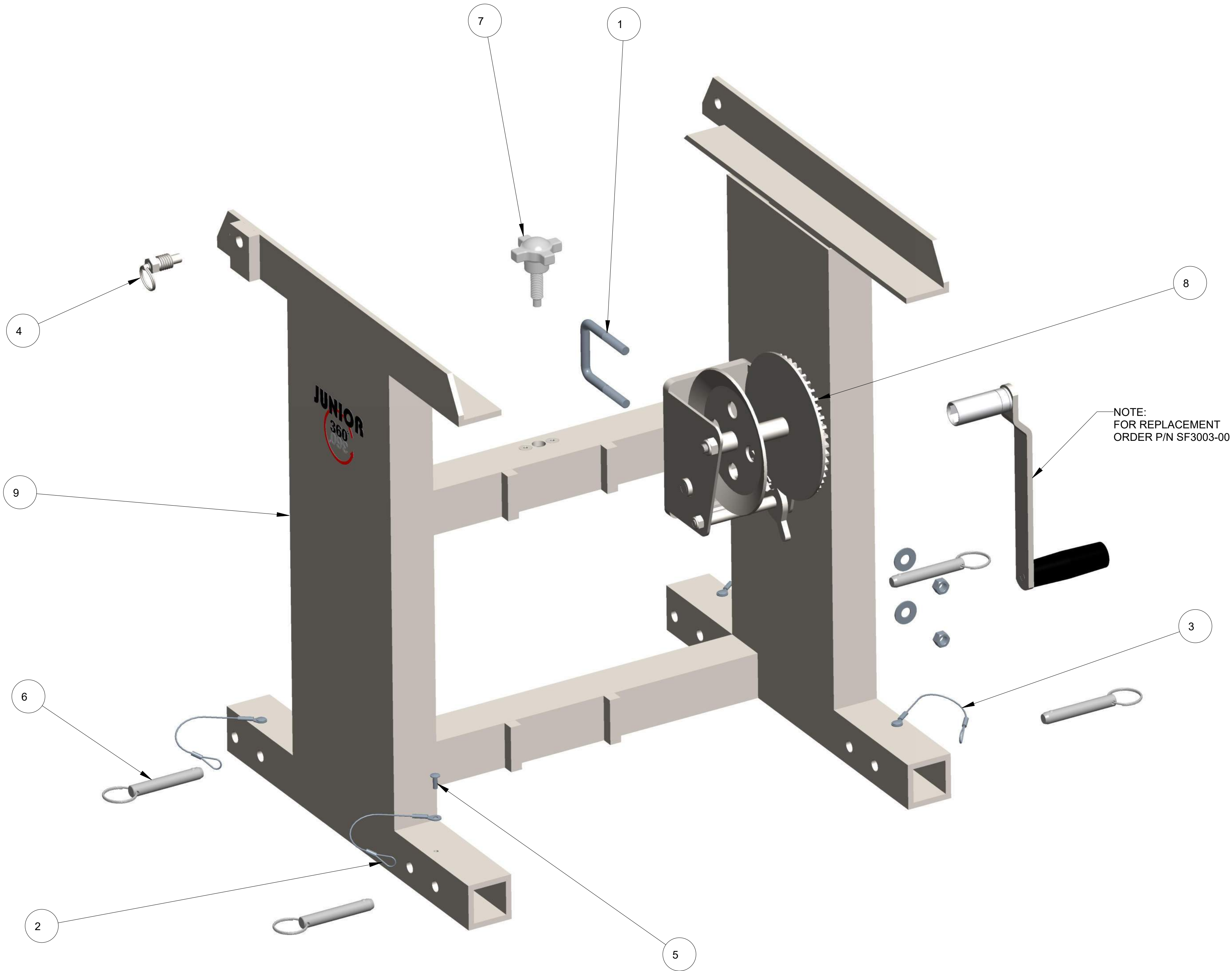
TITLE  
**PNEUMATIC JUNIOR 360**  
**MODEL NO: JR360P**  
**CONTROL VALVE ASSEMBLY**

| SIZE     | DWG NO.   | REV.   |
|----------|-----------|--------|
| D        | PL3360P-5 | B      |
| SCALE    | 5/8       |        |
| CALC. WT | ACT. WT   | SHEET  |
|          |           | 1 OF 1 |

REVISION NOTE:  
REPLACED 060113 & 060114 WITH 030125 & 030126  
REMOVED 050206 & 050207

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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 |



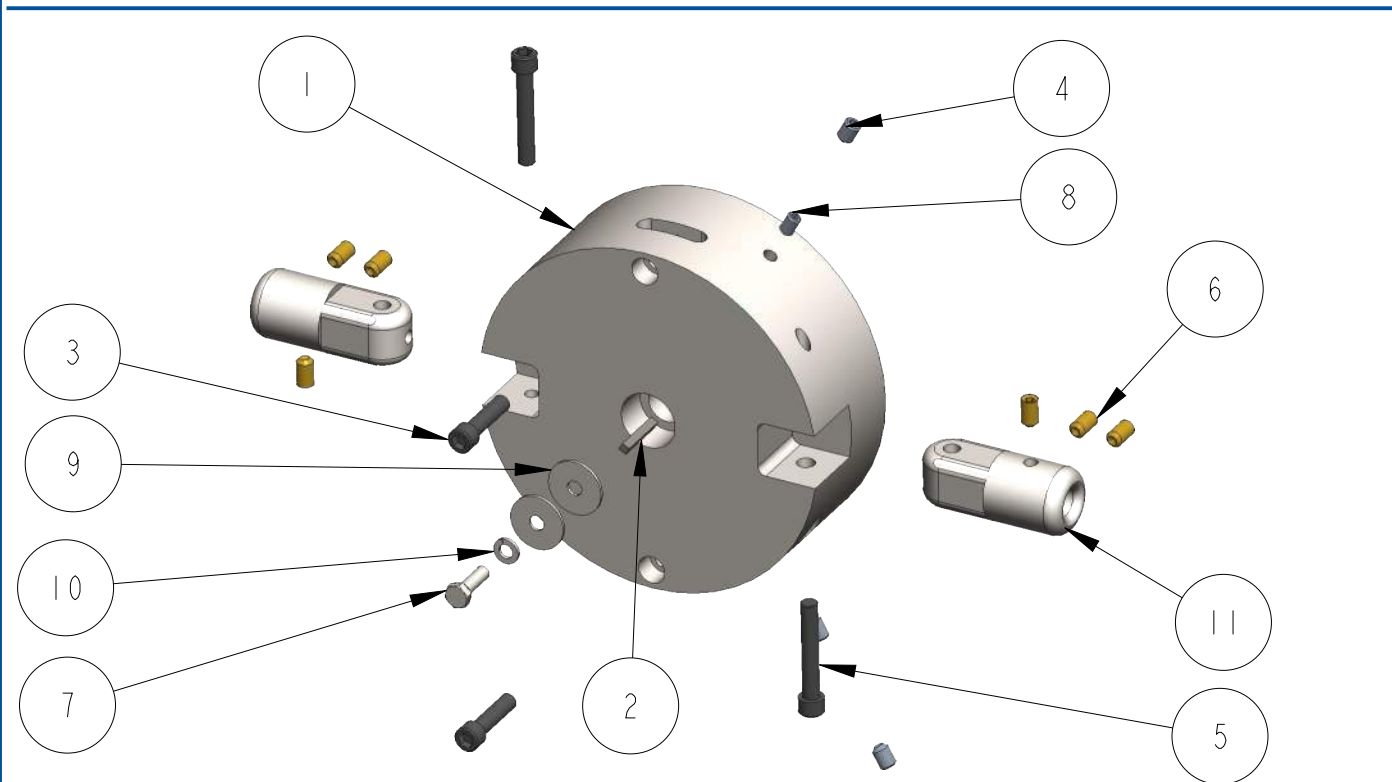
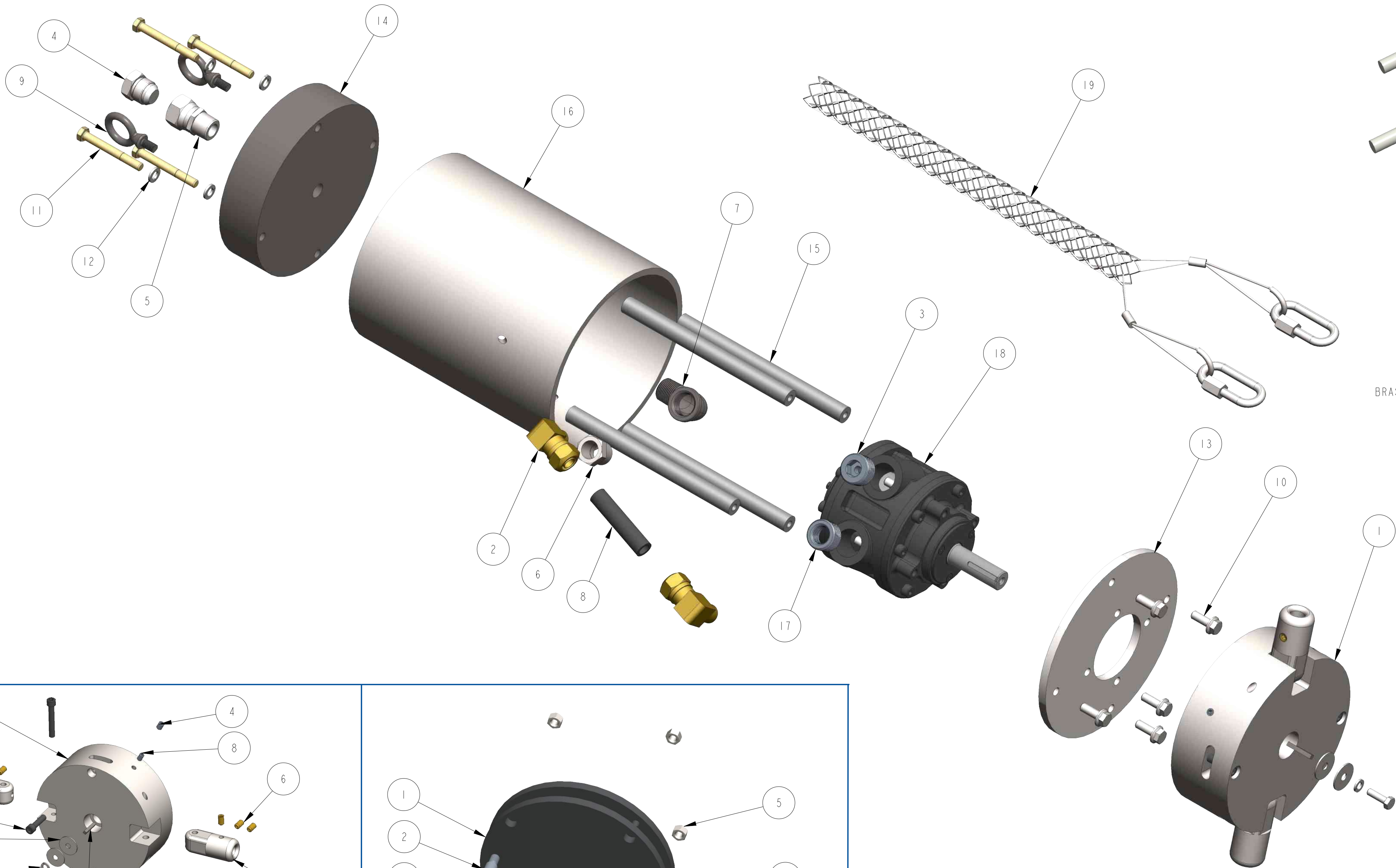
|      |     |           |                                           |
|------|-----|-----------|-------------------------------------------|
| 9    | 1   | SF3010-00 | UPPER SUPPORT FRAME WELDMENT              |
| 8    | 1   | SF3002-00 | MODIFIED WINCH ASSEMBLY                   |
| 7    | 1   | 090107    | 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                               |

BILL OF MATERIALS

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

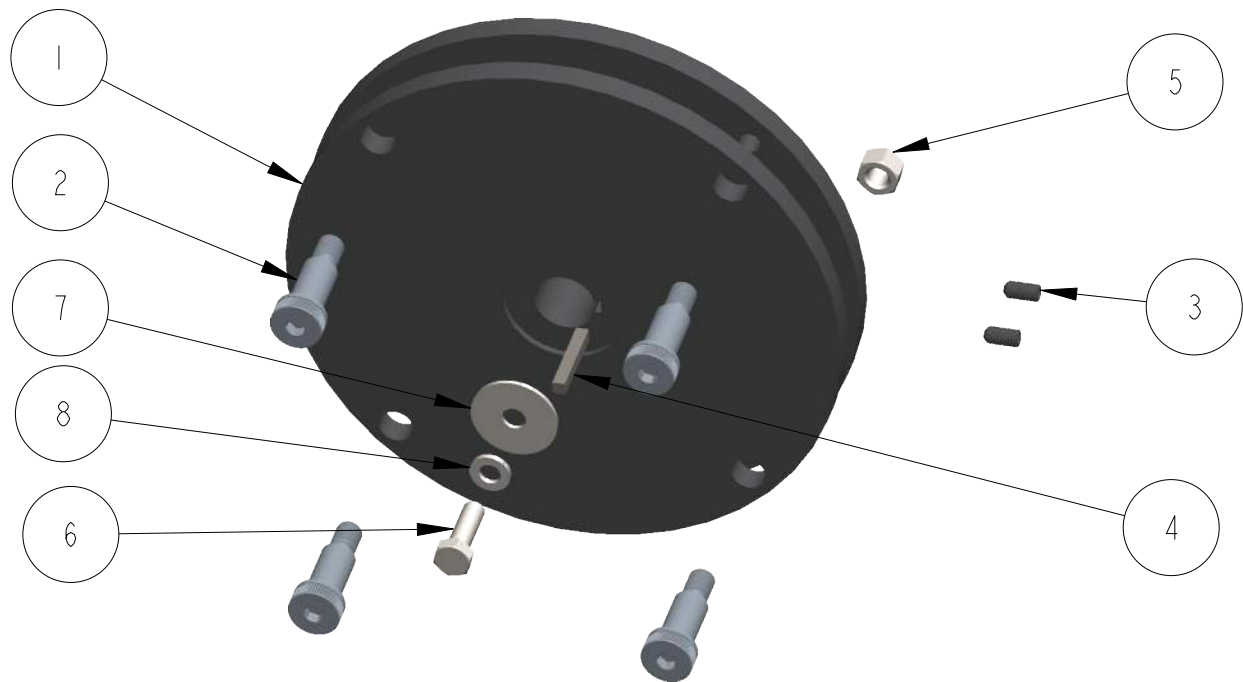
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| REVISION HISTORY |                         |          |     |
|------------------|-------------------------|----------|-----|
| REV              | DESCRIPTION             | DATE     | BY  |
| A                | CH2500-00 WAS CH2000-00 | 01-11-24 | EPP |



CH3020-00 (2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD 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

| CH2500-00, CUTTING HEAD ASSEMBLY |     |           |                                                                 |
|----------------------------------|-----|-----------|-----------------------------------------------------------------|
| 19                               | 1   | CH3016-00 | STRAIN RELIEF ASSEMBLY                                          |
| 18                               | 1   | 060122    | PNEUMATIC MOTOR, GLOBE VA8X13                                   |
| 17                               | 1   | 050112    | PIPE BUSHING, 1" MPT TO 1/2" FPT                                |
| 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                               | 4   | 010137    | 3/8", SPLIT LOCK WASHER, ZP                                     |
| 11                               | 4   | 040101    | 3/8-16 X 3", HHCS, GR. 8, YZ                                    |
| 10                               | 8   | 040102    | 3/8-16 X 1", FLG BOLT, SERRATTED WASHER, GR 8.2, ZP             |
| 9                                | 2   | CH3013-01 | 3/8 X 5/8" L, EYE BOLT, PLN FIN                                 |
| 8                                | 1   | CH3015-01 | 3/4" X 3-1/4" LG, AIR BRAKE TUBING, NYLON                       |
| 7                                | 1   | 060104    | 3/4" NPT, MALE PIPE-FEMALE PIPE 90° STREET ELBOW                |
| 6                                | 1   | 050103    | 12MP-8FP, MALE PIPE-FEMALE PIPE HEX REDUCER BUSHING HYD ADAPTER |
| 5                                | 1   | 050107    | 12MP-12FJX, MALE PIPE-FEMALE JIC SWIVEL STRAIGHT HYD ADAPTER    |
| 4                                | 1   | 050101    | 12MJ-PLUG, MALE JIC HEX PLUG HYD ADAPTER                        |
| 3                                | 1   | CH3029-01 | 1" NPT, HOLLOW HEX PLUG, EXHAUST ORIFICE                        |
| 2                                | 2   | 060110    | 1469 X 12 90 DEG MALE ELBOW                                     |
| 1                                | 1   | CH3020-00 | 2 CHAIN & 2 WHIP ALUMINUM CUTTER HEAD ASSEMBLY                  |
| ITEM                             | QTY | PART NO.  | DESCRIPTION                                                     |

BILL OF MATERIALS

|                                                         |                                                                        |  |                      |                                                                                       |           |                                                                 |         |           |          |       |         |        |  |
|---------------------------------------------------------|------------------------------------------------------------------------|--|----------------------|---------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------|---------|-----------|----------|-------|---------|--------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES. | TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16 |  | DO NOT SCALE DRAWING |                                                                                       | TREATMENT |                                                                 | FINISH  |           | MATERIAL |       | SEE BOM |        |  |
|                                                         | APPROVALS                                                              |  | DATE                 |                                                                                       | DRAWN     |                                                                 | CHECKED |           | ENGR     |       |         |        |  |
|                                                         | EPP                                                                    |  | 01-11-24             |                                                                                       | -         |                                                                 | -       |           | -        |       |         |        |  |
|                                                         | -                                                                      |  | -                    |                                                                                       | -         |                                                                 | -       |           | -        |       |         |        |  |
|                                                         | -                                                                      |  | -                    |                                                                                       | -         |                                                                 | -       |           | -        |       |         |        |  |
| MOLE-MASTER™<br>SERVICES CORPORATION                    |                                                                        |  |                      |  |           | 27815 STATE ROUTE 7<br>MARIETTA, OHIO 44550 USA<br>740-374-6726 |         |           |          |       |         |        |  |
| TITLE                                                   |                                                                        |  |                      | PNEUMATIC JUNIOR 360°<br>MODEL NO: JR360P<br>CUTTING HEAD ASSY-CH2500-00              |           |                                                                 |         |           |          |       |         |        |  |
| SIZE                                                    |                                                                        |  |                      | D                                                                                     |           | DWG NO.                                                         |         | PL3360P-7 |          | REV.  |         | A      |  |
| SCALE                                                   |                                                                        |  |                      | 3/8                                                                                   |           | ENC. WT                                                         |         | ACT. WT   |          | SHEET |         | 1 OF 1 |  |

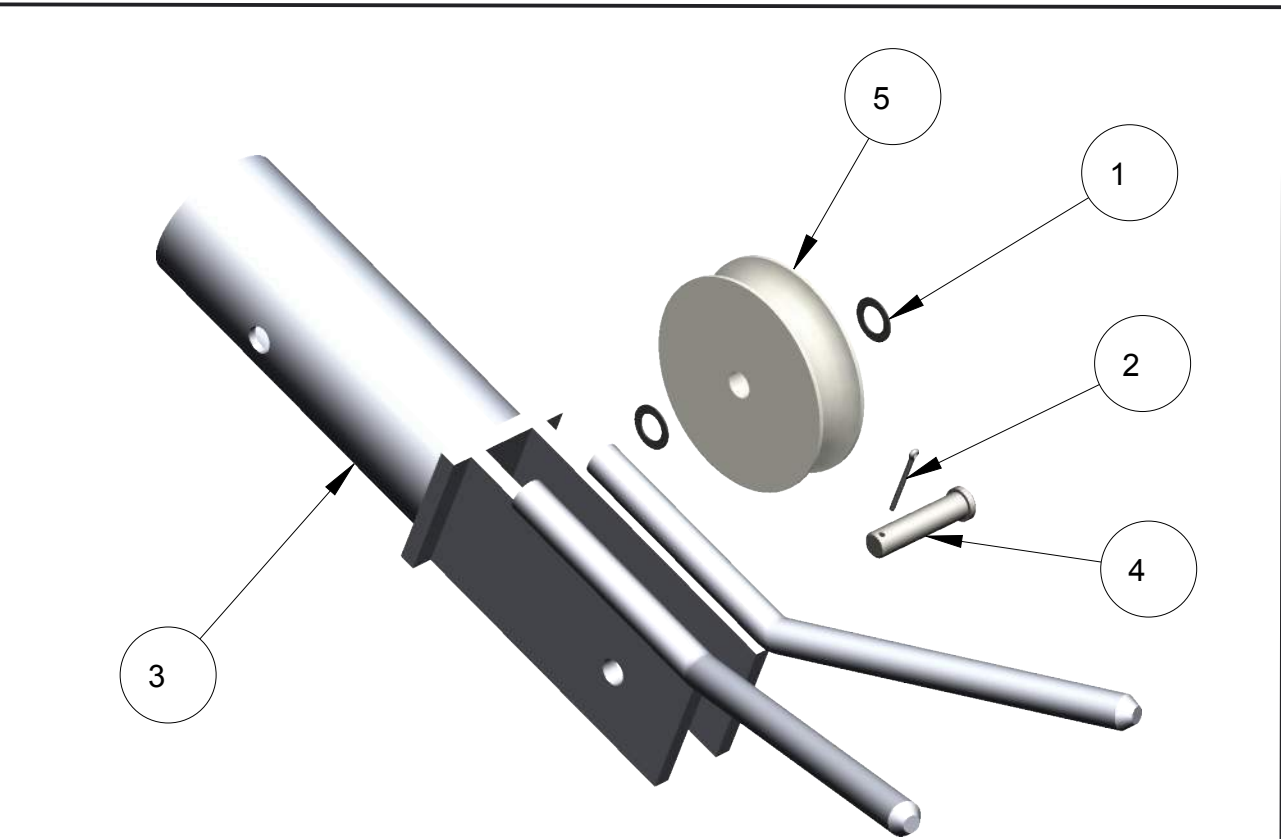
**MOLE-MASTER SERVICES CORPORATION**

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

TITLE: PNEUMATIC JUNIOR 360°  
MODEL NO: JR360P  
CUTTING HEAD ASSY-CH2500-00

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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                                   |

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

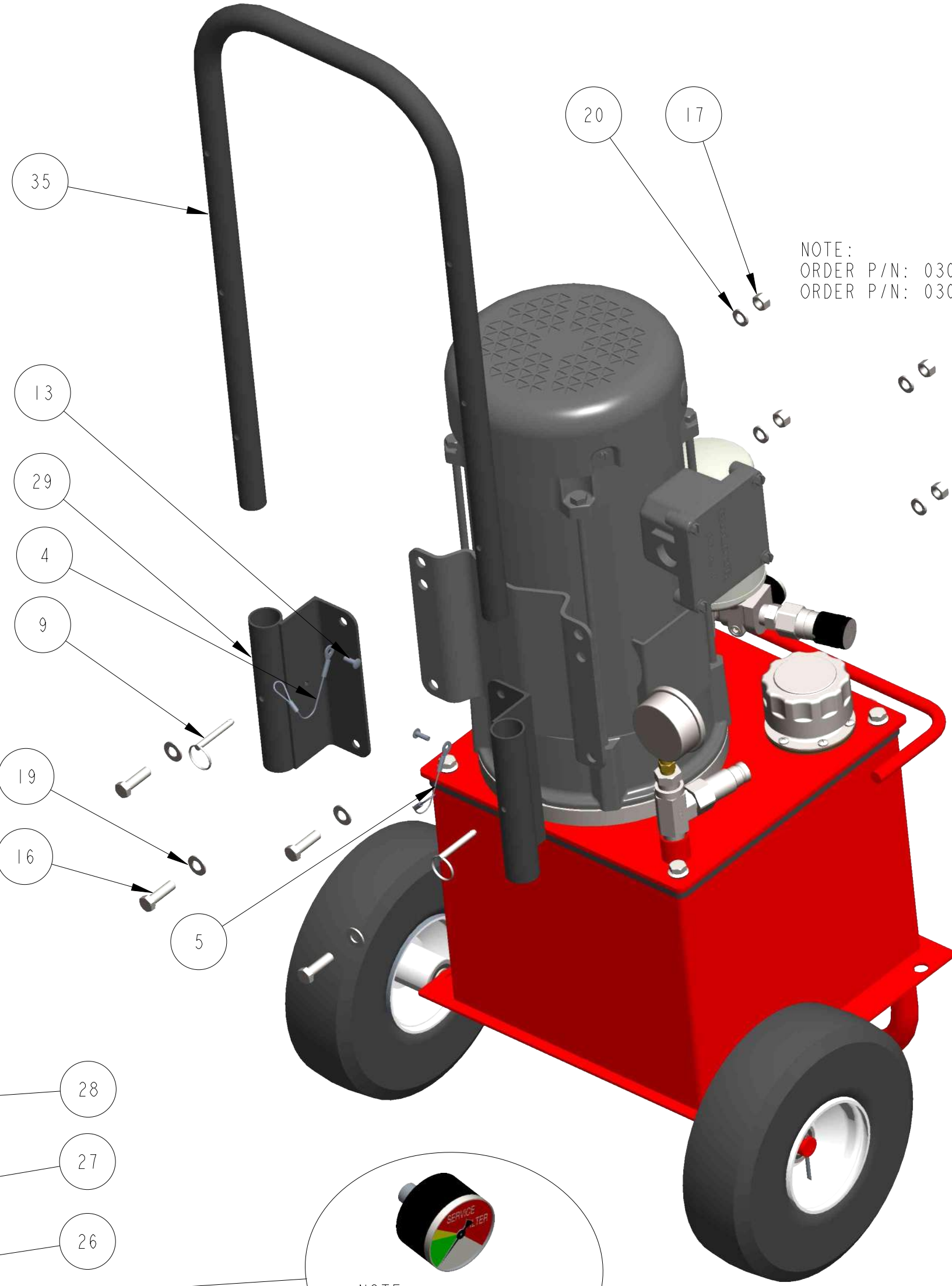
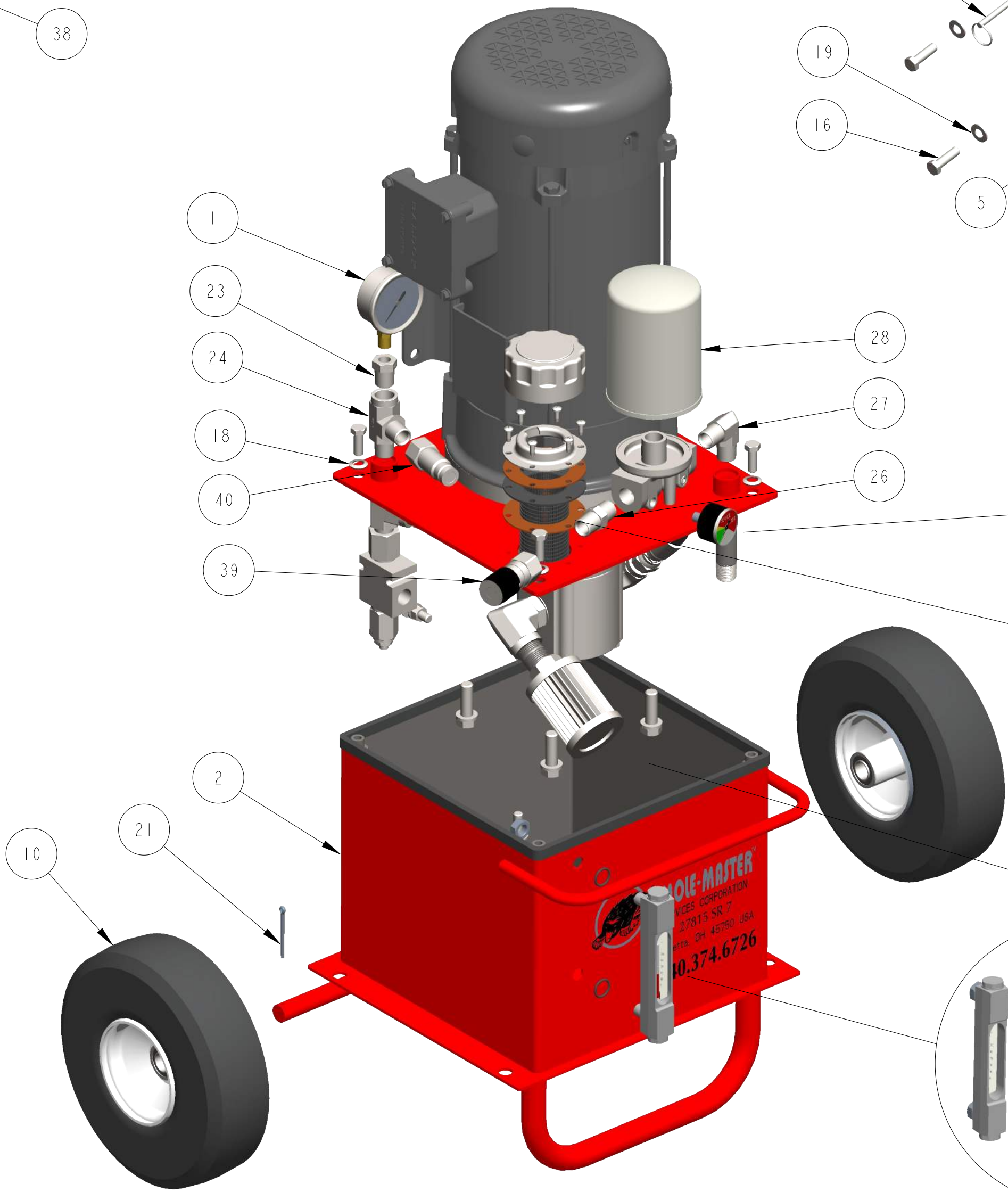
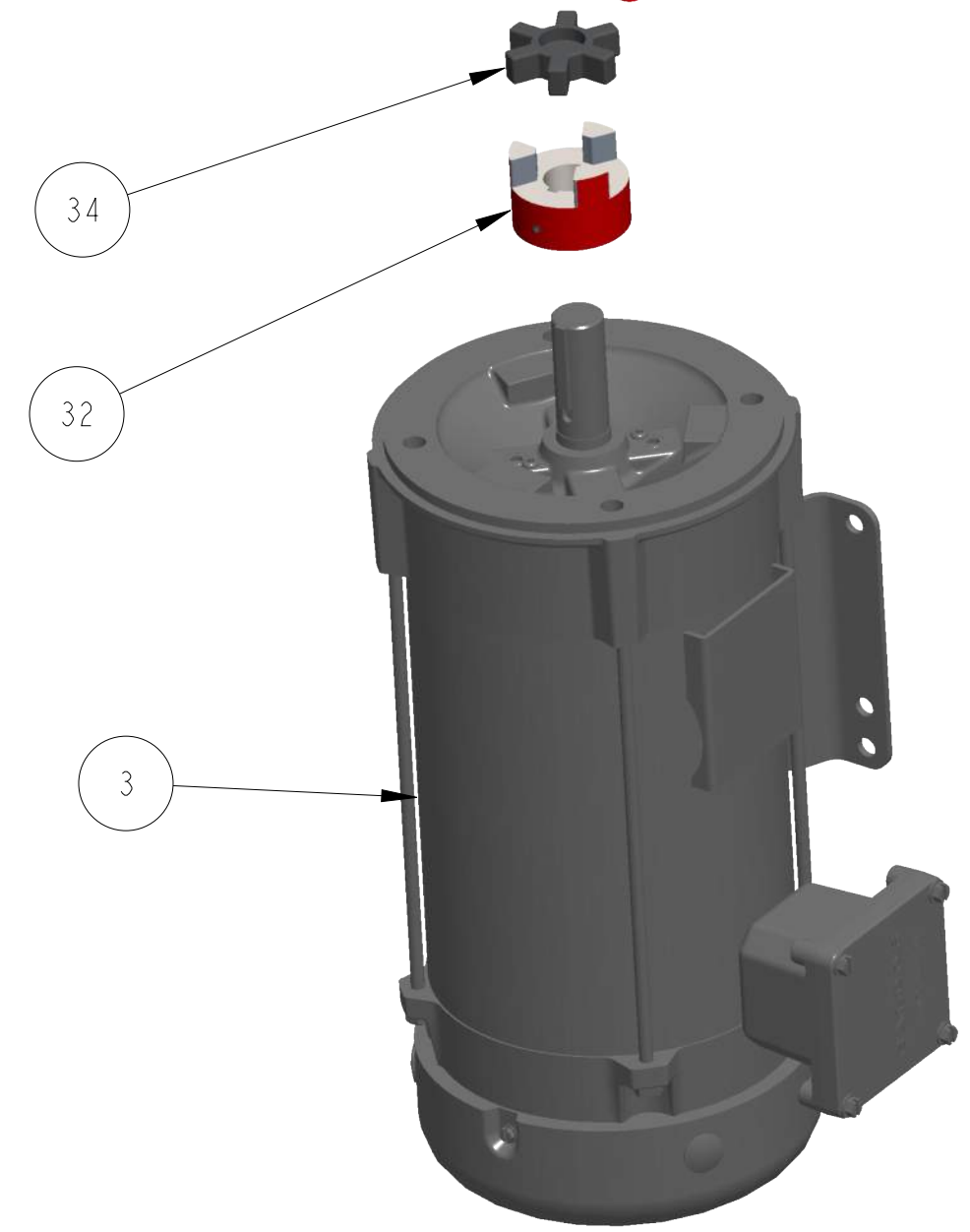
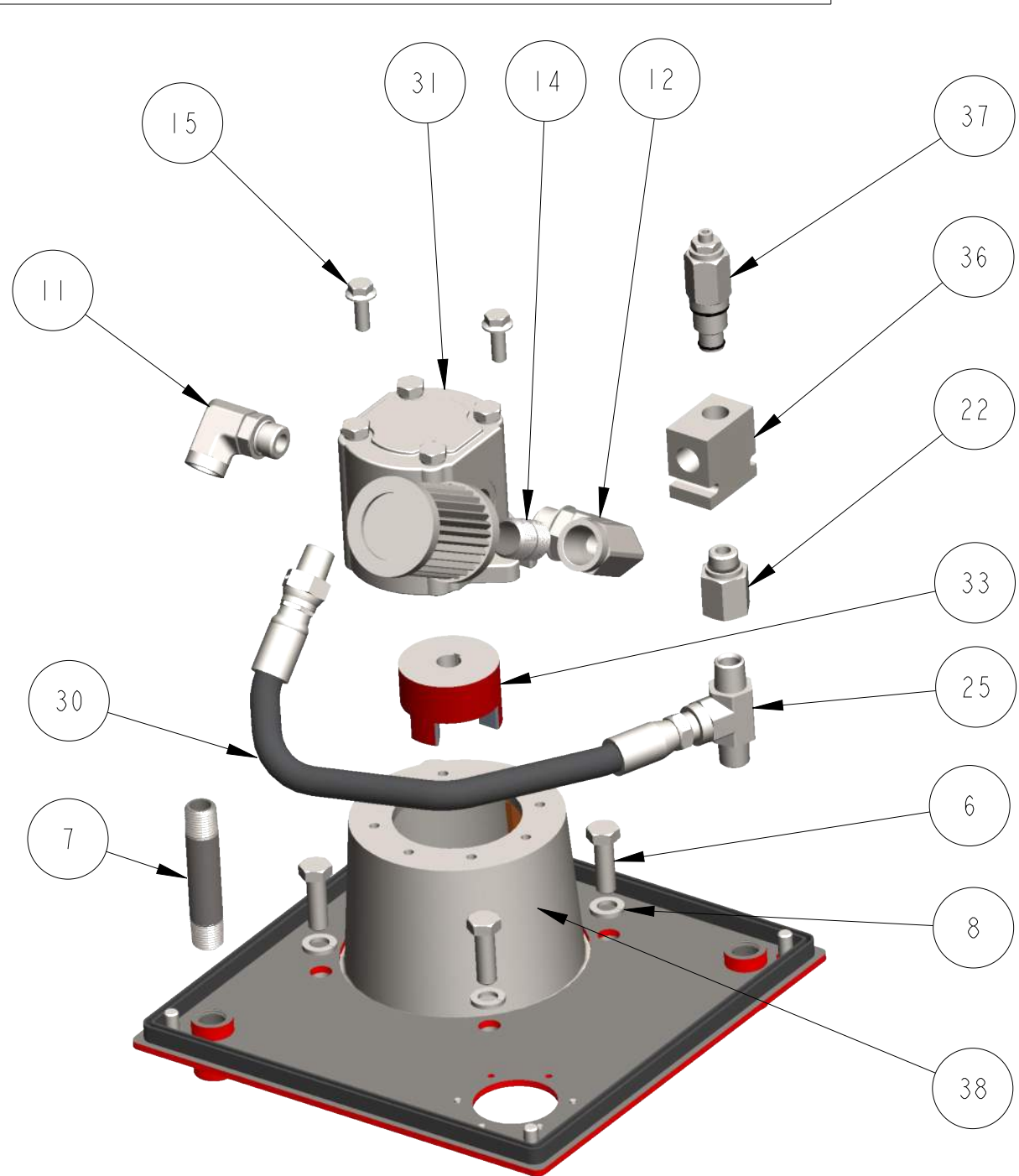
SEE BOM

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

|                                            |           |                                                                    |
|--------------------------------------------|-----------|--------------------------------------------------------------------|
| <b>MOLE-MASTER</b><br>SERVICES CORPORATION |           | 27815 STATE ROUTE 7<br>MARIETTA, OHIO<br>45750 USA<br>740-374-6726 |
| TITLE                                      |           | PNEUMATIC JUNIOR 360<br>MODEL NO: JR360P<br>BOOM ASSEMBLY          |
| SIZE                                       | DWG NO.   | REV.                                                               |
| D                                          | PL3360P-8 | B                                                                  |
| SCALE                                      | 3/16      | CALC. WT. ACT. WT. 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 |
| D                | SEE REVISION NOTE D                  | 02-25-22 | EPP |
| E                | SEE REVISION NOTE E                  | 01-16-24 | EPP |
| F                | 030162 WAS 030138, REMOVED 020104    | 07-11-24 | EPP |



NOTE:  
ORDER P/N: 030138 FOR 230 VOLT ELECTRIC AC MOTOR  
ORDER P/N: 030139 FOR 200 & 575 VOLT ELECTRIC AC MOTOR

SOLD ONLY AS A SET  
ORDER 030127

| ITEM | QTY | PART NO.    | DESCRIPTION                                                     |
|------|-----|-------------|-----------------------------------------------------------------|
| 40   | 1   | 030125      | QUICK COUPLING, MALE END, 1/2" FEMALE PIPE                      |
| 39   | 1   | 030126      | QUICK COUPLING, FEMALE END, 1/2" FEMALE PIPE                    |
| 38   | 1   | 030111      | PUMP MOUNT FOR ELECTRIC MOTOR                                   |
| 37   | 1   | 030128      | PRESSURE RELIEF CARTRIDGE                                       |
| 36   | 1   | 030129      | PRESSURE RELIEF BODY                                            |
| 35   | 1   | PU3001-01   | POWER UNIT HANDLE                                               |
| 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   | 060121      | 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   | 4   | 010137      | 3/8", SPLIT LOCK WASHER, ZP                                     |
| 19   | 4   | 010131      | 3/8", FLAT WASHER, SAE, ZP                                      |
| 18   | 4   | 010133      | 3/8", BONDED SEALING WASHER, 18-8 SS                            |
| 17   | 4   | 010139      | 3/8-16, HEX NUT, GR. A, ZP                                      |
| 16   | 4   | 010118      | 3/8-16 X 1-1/4", HHCS, GR. 5, ZP                                |
| 15   | 2   | 040102      | 3/8-16 X 1", FLG BOLT, SERRATTED WASHER, GR 8.2, ZP             |
| 14   | 1   | 010154      | 3/4" CLOSE PIPE NIPPLE, SCHD 40, STL                            |
| 13   | 2   | 010113      | 3/16", BLIND POP-RIVET, BUTTON HEAD, ALUM                       |
| 12   | 1   | 050110      | 12MB-12FP90, MALE O-RING BOSS-FEMALE PIPE 90° ELBOW HYD ADAPTER |
| 11   | 1   | 020116      | 10MB-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   | 030162      | 5 HP, 1800 RPM, 3PH, XPFC, 230/380/460V AC ELECTRIC MOTOR       |
| 2    | 1   | 030114      | 5 GALLON VERTICAL HYDRAULIC RESERVOIR                           |
| 1    | 1   | 020203      | 2-1/2"-3000 PSI GLY GAUGE, 1/4" NPT BOTTOM MOUNT                |

NOTE:  
FOR REPLACEMENT  
ORDER P/N: 020202

NOTE:  
FOR REPLACEMENT  
ORDER P/N: 030110

NOTE:  
FOR REPLACEMENT  
ORDER P/N: 030112

NOTE:  
FOR REPLACEMENT PART  
ORDER P/N: 030113

REVISION NOTE D:  
REPLACED 060113 & 060114 WITH 030125 & 030126  
REMOVED 050206 & 050207  
REVISION NOTE E:  
050110 WAS 050108, 010154 WAS 020201,  
060121 WAS 060107, & 030162 WAS 030115

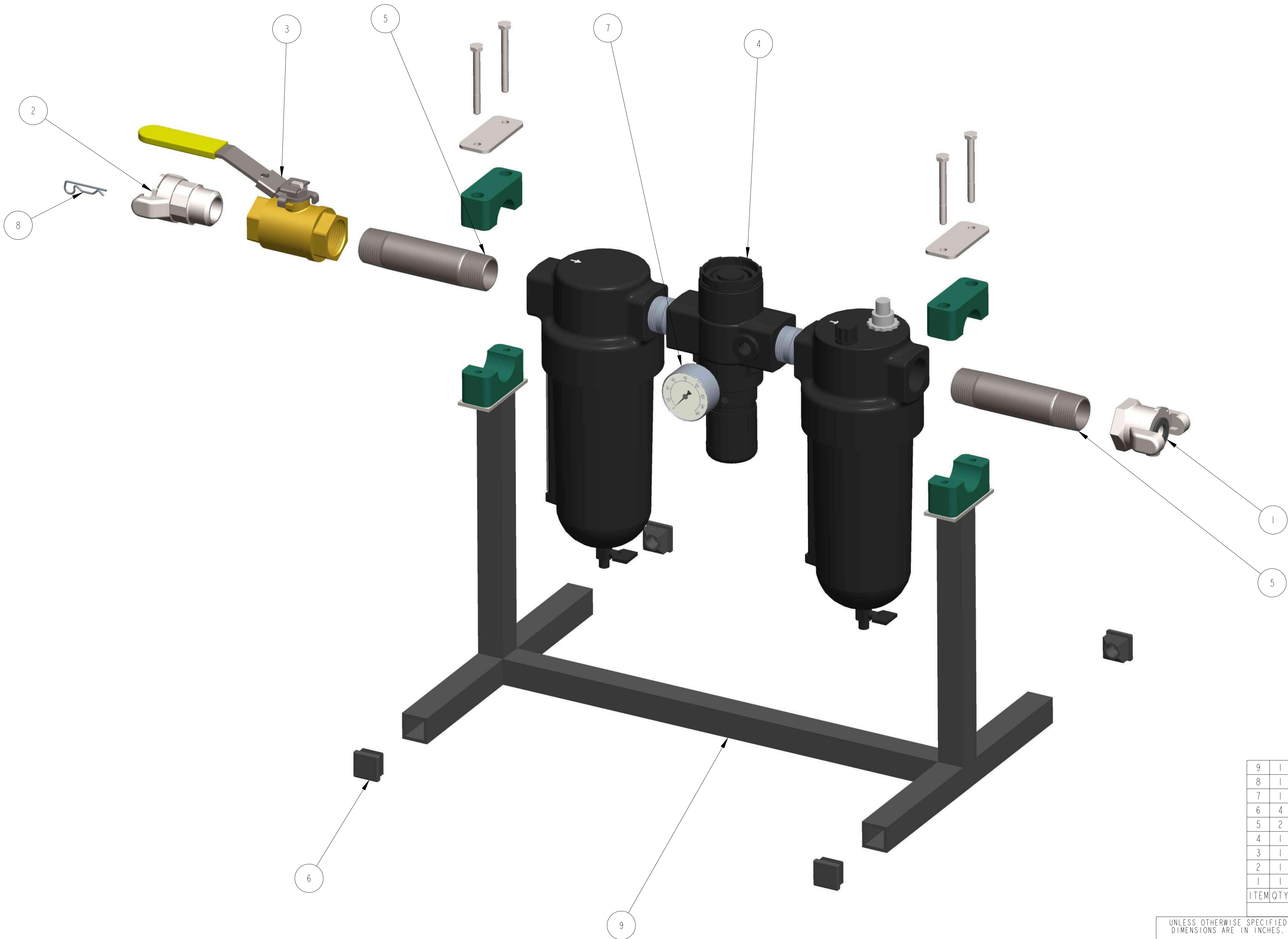
|                                                         |         |
|---------------------------------------------------------|---------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES. |         |
| TOLERANCES ARE:                                         |         |
| DECIMALS                                                | ±.01    |
| .XX ±.01                                                | ±.02    |
| .XXX ±.005                                              |         |
| FRACTIONAL                                              | ±1/16   |
| DO NOT SCALE DRAWING                                    |         |
| TREATMENT                                               | ENG     |
| FINISH                                                  | -       |
| MATERIAL                                                | SEE BOM |

|           |              |
|-----------|--------------|
| APPROVALS | DATE         |
| DRAWN     | EPP 01-17-13 |
| CHECKED   | -            |
| ENG       | -            |

|                                                                           |                      |
|---------------------------------------------------------------------------|----------------------|
| BILL OF MATERIALS                                                         |                      |
| <b>MOLE-MASTER</b><br>SERVICES CORPORATION                                |                      |
| 27815 STATE ROUTE 7<br>MARIETTA, OHIO 44750 USA<br>740-374-6726           |                      |
| TITLE<br>PNEUMATIC JUNIOR 360°<br>MODEL NO: JR360P<br>POWER UNIT ASSEMBLY |                      |
| SIZE<br>D                                                                 | DWG NO.<br>PL3360P-9 |
| SCALE<br>1/4                                                              | REV.<br>F            |

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| REVISION HISTORY |                                      |          |     |
|------------------|--------------------------------------|----------|-----|
| REV              | DESCRIPTION                          | DATE     | BY  |
| A                | REPLACED 060117 WITH 060101          | 07-11-19 | EPP |
| B                | UPDATED 060112 TO NEW STYLE FRL UNIT | 08-14-24 | EPP |



|      |     |            |                                                                  |
|------|-----|------------|------------------------------------------------------------------|
| 9    | 1   | FRL3001-00 | MOUNTING BASE WELDMENT                                           |
| 8    | 1   | 050200     | AIR KING SAFETY CLIP                                             |
| 7    | 1   | 050209     | 2\"-0 TO 160 PSI DRY GAUGE 1/4\" NPT CBW                         |
| 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                                                      |

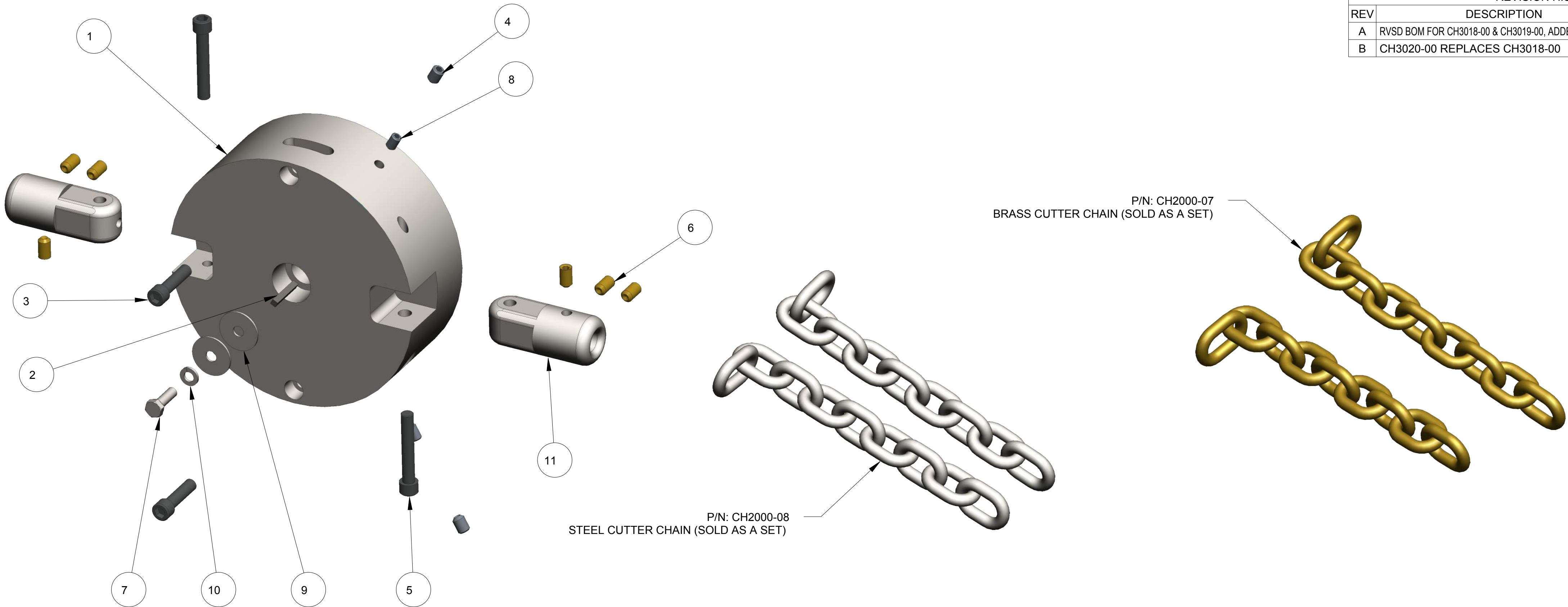
|                                                                                                                                                                          |         |           |     |          |                                                                                                                                                             |            |                                                                 |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------|---------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br><br>TOLERANCES ARE:<br>DECIMALS .XX ±.01<br>.XXX ±.005<br>FRACTIONAL ±1/16<br><br><b>DO NOT SCALE DRAWING</b> |         | APPROVALS |     | DATE     | <div><b>MOLE-MASTER</b><br/>SERVICES CORPORATION</div> <div>TITLE<br/>PNEUMATIC JUNIOR 360°<br/>MODEL NO: JR360P<br/>FILTER-REGULATOR-LUBRICATOR ASSY</div> |            | 27815 STATE ROUTE 7<br>MARIETTA, OHIO 45750 USA<br>740-374-6726 |         |
|                                                                                                                                                                          |         | DRAWN     | EPP | 01-17-13 |                                                                                                                                                             |            |                                                                 |         |
|                                                                                                                                                                          |         | CHECKED   | -   | -        |                                                                                                                                                             |            |                                                                 |         |
|                                                                                                                                                                          |         | ENGR      |     |          |                                                                                                                                                             |            |                                                                 |         |
| TREATMENT                                                                                                                                                                | -       |           |     |          | SIZE                                                                                                                                                        | DWG. NO.   | REV.                                                            |         |
| FINISH                                                                                                                                                                   | -       |           |     |          | D                                                                                                                                                           | PL3360P-10 | B                                                               |         |
| MATERIAL                                                                                                                                                                 | SEE BOM |           |     |          | SCALE                                                                                                                                                       | 1/2        | CALC. WT                                                        | ACT. WT |
|                                                                                                                                                                          |         |           |     |          | 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 |

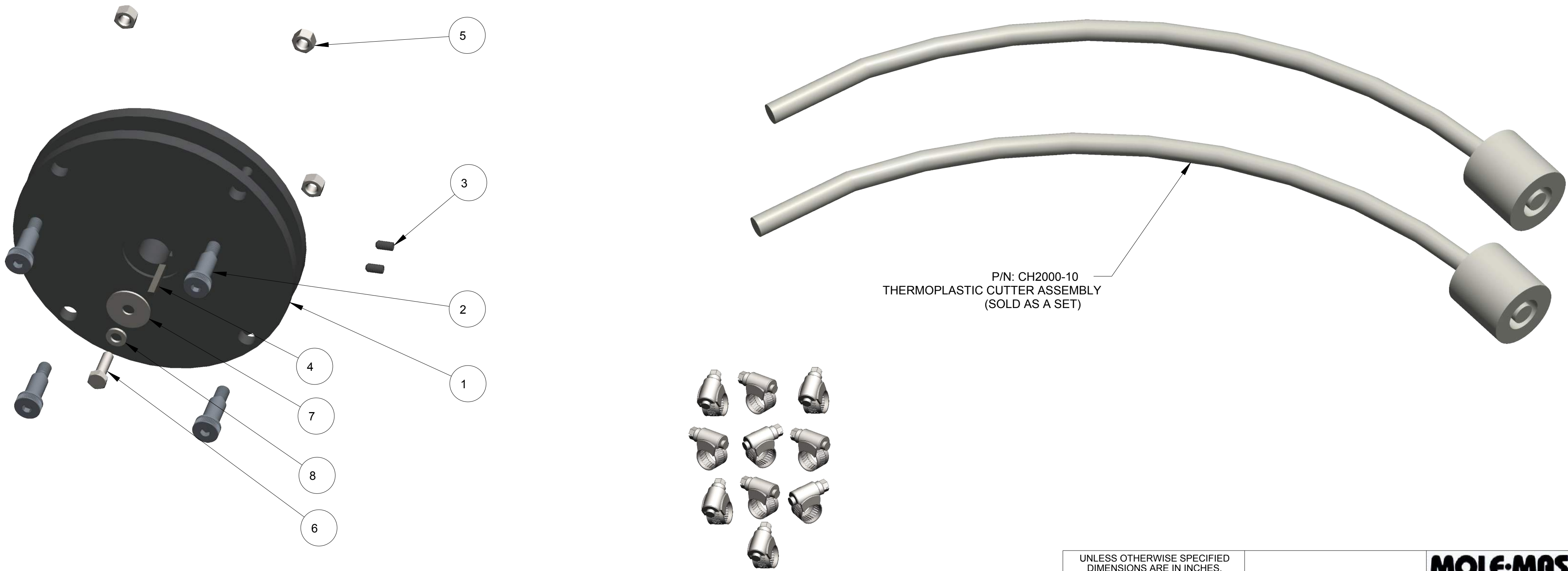
CH3020-00 (2 CHAIN & 2 WHIP ALUMINUM CUTTER ASSEMBLY)

| 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<br>DIMENSIONS ARE IN INCHES.                    |  | APPROVALS |     | DATE     | MOLE-MASTER <sup>TM</sup><br>SERVICES CORPORATION |  | 27815 STATE ROUTE 7<br>MARIETTA, OHIO<br>45750 USA<br>740-374-6726 |  |
| TOLERANCES ARE:<br>DECIMALS .01 ± .005<br>ANGLES ± 2°<br>FRACTIONAL ± 1/16 |  | DRAWN     | EPP | 01-17-13 | TITLE                                             |  | PNEUMATIC JUNIOR 360°<br>MODEL NO: JR360P<br>ASSESSORIES           |  |
| DO NOT SCALE DRAWING                                                       |  | CHECKED   | -   | -        | SIZE                                              |  | DWG NO.                                                            |  |
| TREATMENT                                                                  |  | ENGR      |     |          | D                                                 |  | PL3360P-11                                                         |  |
| FINISH                                                                     |  |           |     |          | SCALE                                             |  | REV.                                                               |  |
| MATERIAL                                                                   |  | SEE BOM   |     |          | 3/8                                               |  | B                                                                  |  |
|                                                                            |  |           |     |          | CALC. WT                                          |  | SHEET                                                              |  |
|                                                                            |  |           |     |          | 1 OF 1                                            |  |                                                                    |  |