

# OPERATING INSTRUCTIONS AND PARTS LIST INSTRUCCIONES DE OPERACIÓN Y LISTA DE PIEZAS



## MC18 Concrete Saw

**MODELS:** MC1809R (9 HP ROBIN)  
MC1809H (9 HP HONDA)  
MC1813R (13.5 HP ROBIN)  
MC1813H (13 HP HONDA)  
MC1805G (5 HP GAST)  
MC1805B (5 HP BALDOR)

**Model:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Engine Serial No.:** \_\_\_\_\_

**Purchase Date:** \_\_\_\_\_



# DECAL DESCRIPTIONS AND LOCATIONS

## DECRIPCIÓN DE CALCAMONIAS Y UBICACIONES



P/N 189732  
Location: Front of Frame (All Models)  
Quantity: 1



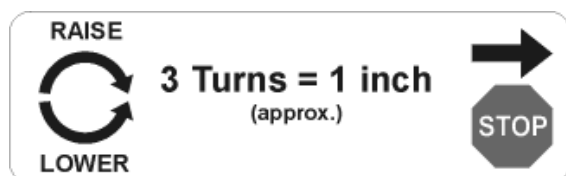
P/N 189731  
Location: Blade Guard (All Models)  
Quantity: 1



P/N 174993  
Location: Belt Guard (All Models)  
Quantity: 1



P/N 187691  
Location: Frame (All Models)  
Quantity: 1



P/N 174998  
Location: Top of Screw Feed Bracket  
(Screw Feed Model Only)  
Quantity: 1

|                    |            |     |     |     |     |    |    |    |   |     |
|--------------------|------------|-----|-----|-----|-----|----|----|----|---|-----|
| DEPTH<br>OF<br>CUT | 450 MM     | 177 | 152 | 127 | 101 | 76 | 50 | 25 | 0 | MM  |
|                    | 18 INCH    | 7   | 6   | 5   | 4   | 3  | 2  | 1  | 0 | IN. |
|                    | BLADE SIZE |     |     |     |     |    |    |    |   |     |
|                    | 14 INCH    | 5   | 4   | 3   | 2   | 1  | 0  |    |   | IN. |
|                    | 350 MM     | 127 | 101 | 76  | 50  | 25 | 0  |    |   | MM  |

P/N 139633  
Location: Front of Handle Support (E-Z Tilt Model Only)  
Quantity: 1



P/N 169065  
Location: Engine Fuel Tank (All Models)  
Quantity: 1



P/N 177588  
Location: Top of Belt Guard (All Models)  
Quantity: 1

**GREASE BEARINGS DAILY**

P/N 040563  
Location: Front of Frame (All Models)  
Quantity: 1

## MC 18 Specifications

| Power Source     | Gas      |          |             |           | Pneumatic | Electric     |
|------------------|----------|----------|-------------|-----------|-----------|--------------|
| MC 18 Model      | MC 18 9R | MC 18 9H | MC 18 13.5R | MC 18 13H | MC 18 5A  | MC 18 5E     |
| Horsepower       | 9 HP     | 9 HP     | 13.5 HP     | 13 HP     | 5 HP      | 5 HP (230 V) |
| Standard Model   | C00094   | C00084   | C00098      | C00086    | C00088    | C00090       |
| Screw Feed Model | C00095   | C00085   | C00099      | C00087    | C00089    | C00091       |

### ALL SAWS FEATURE:

| Max. Blade Cap. in. (mm) | 18 (450)                                                                                       | 18 (450) | 18 (450)  | 18 (450)  | 18 (450) | 18 (450)  |
|--------------------------|------------------------------------------------------------------------------------------------|----------|-----------|-----------|----------|-----------|
| Max. Depth of Cut        | 4-5/8"-6-5/8" (117.5-168.3mm)                                                                  |          |           |           |          |           |
| Blade Shaft RPM          | 2,600                                                                                          | 2,600    | 2,600     | 2,600     | 2,500    | 1,800     |
| Weight Crated - lb. (Kg) | 199 (90)                                                                                       | 209 (95) | 222 (101) | 222 (101) | 203 (92) | 268 (120) |
| Uncrated - lb. (Kg)      | 172 (78)                                                                                       | 182 (83) | 195 (88)  | 195 (88)  | 176 (80) | 241 (109) |
| Arbor Size               | 1" (25.4mm)                                                                                    |          |           |           |          |           |
| Blade Flange             | 4-1/2" dia. with drive pin                                                                     |          |           |           |          |           |
| Blade Drive              | 2 V-belts (5-8 HP); 3 V-belts (13 HP engine)                                                   |          |           |           |          |           |
| Blade Control            | Spring assisted raise/lower system with single lock down knob or spring assisted screw feed    |          |           |           |          |           |
| Blade Coolant            | Removable dual water spray tubes; water supply connector located on left side of saw; control  |          |           |           |          |           |
| Axle Front               | 3/4" (19 mm) diameter; raises and lowers cutting head                                          |          |           |           |          |           |
| Wheels Front             | 5" x 1-1/2" x 3/4" (102 x 38 x 19mm); solid rubber tires, cast iron hub, roller bearings, lube |          |           |           |          |           |
| Rear                     | 8" x 2" x 5/8" (203 x 51 x 15.9mm); ball bearings; semi-pneumatic tires                        |          |           |           |          |           |
| Chassis                  | One piece reinforced box base                                                                  |          |           |           |          |           |

### POWER SOURCE:

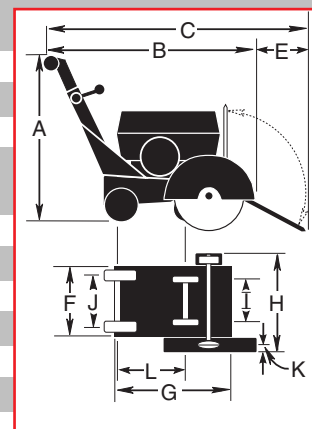
| Engine/Motor              | Robin<br>Gas Engine                       | Honda<br>Gas Engine                       | Robin<br>Gas Engine                       | Honda<br>Gas Engine               | Cast<br>Pneumatic<br>Motor | Baldor<br>Electric<br>Motor, 1 ph |
|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------------------------|----------------------------|-----------------------------------|
| Specifications            | EX27                                      | GX270                                     | EH41                                      | GX390                             | 120CFM<br>@90 PSI          | 208/230V<br>60 cy/AC              |
| Max. Horsepower           | 9 HP                                      | 9 HP                                      | 13.5 HP                                   | 13 HP                             | 5 HP                       | 5 HP                              |
| Displacement cu. in. (cc) | 16.7 (265)                                | 16.5 (270)                                | 24.7 (404)                                | 23.7 (389)                        |                            |                                   |
| Bore - in. (mm)           | 2.95 (75)                                 | 3.0 (76)                                  | 3.5 (88)                                  | 3.5 (88)                          |                            | 21.5/20 - Full Load<br>Amp Rating |
| Stroke - in. (mm)         | 2.36 (60)                                 | 2.3 (58)                                  | 2.6 (65)                                  | 2.5 (64)                          |                            |                                   |
| Cylinders/Stroke          | 1/4                                       | 1/4                                       | 1/4                                       | 1/4                               |                            |                                   |
| Fuel Capacity - gal. (l)  | 1.6 (6)                                   | 1.59 (6.0)                                | 1.85 (7.0)                                | 1.72 (6.5)                        |                            |                                   |
| Oil Capacity - pt. (l)    | 2.2 (1.1)                                 | 2.3 (1.1)                                 | 2.5 (1.2)                                 | 2.3 (1.1)                         |                            |                                   |
| Air Filter                | Dry type<br>dual element<br>w/pre cleaner | Dry type<br>dual element<br>w/pre cleaner | Dry type<br>dual element<br>w/pre cleaner | Dry type<br>dual element<br>w/pre |                            |                                   |
| Starter                   | Recoil                                    | Recoil                                    | Recoil                                    | Recoil                            | Valve                      | Switch                            |
| Engine Coolant            | Air                                       | Air                                       | Air                                       | Air                               | Air                        | Air                               |
| Oil Sentry                | Standard                                  | Standard                                  | Standard                                  | Standard                          | N/A                        | N/A                               |

| Accessories                       | Item No.      |
|-----------------------------------|---------------|
| Tie Down Kit                      | <b>167189</b> |
| Outer Flange (1/2" cutting width) | <b>167963</b> |
| Replacement Blade Wrench          | <b>163988</b> |
| Water Tank Kit (Standard saw)     | <b>174957</b> |

### SAW DIMENSIONS: Inches (mm)

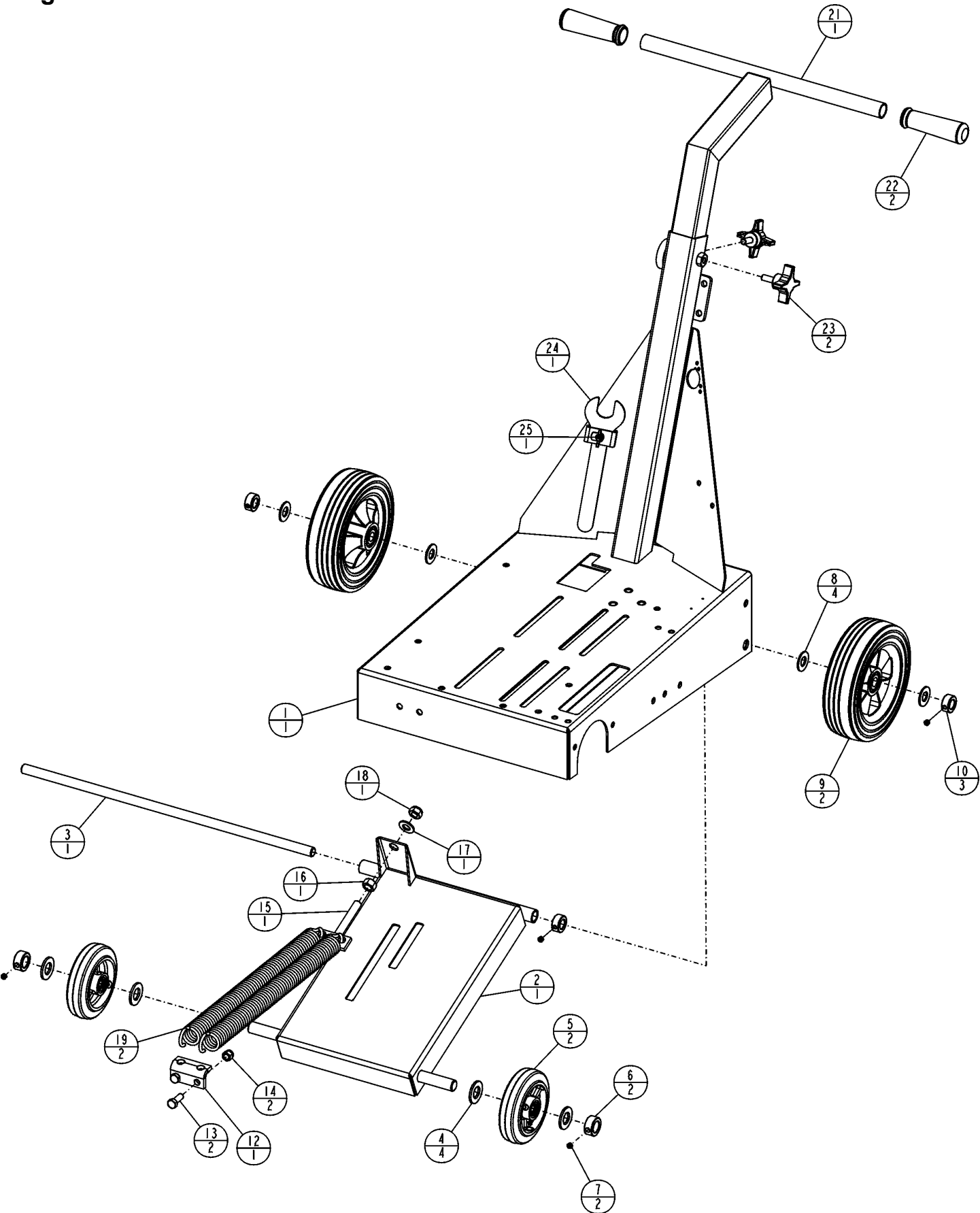
Crated Dimensions: L-35" x H-30-1/2" x W-22" (889 x 775 x 559mm)

|                              | Inches | Metric (mm) |
|------------------------------|--------|-------------|
| A - Height (Max.) - In. (mm) | 47-1/2 | (1207)      |
| B - Saw Length, Pointer Up   | 45-1/2 | (1156)      |
| C - Max. Saw Length, Pointer | 64-1/4 | (1632)      |
| E - Pointer Extension        | 18-3/4 | (476)       |
| F - Frame Width              | 16     | (406)       |
| G - Frame Length             | 22-1/2 | (572)       |
| H - Saw Width                | 22     | (559)       |
| I - Front Axle Length        | 10-1/4 | (260)       |
| J - Rear Wheel Track         | 19-1/2 | (495)       |
| K - Blade to Wall            | 2-3/8  | (61)        |
| L - Wheel Base Length        | 15     | (381)       |



Specifications are subject to change without notice.

Diagram 1 – Frame & Axle

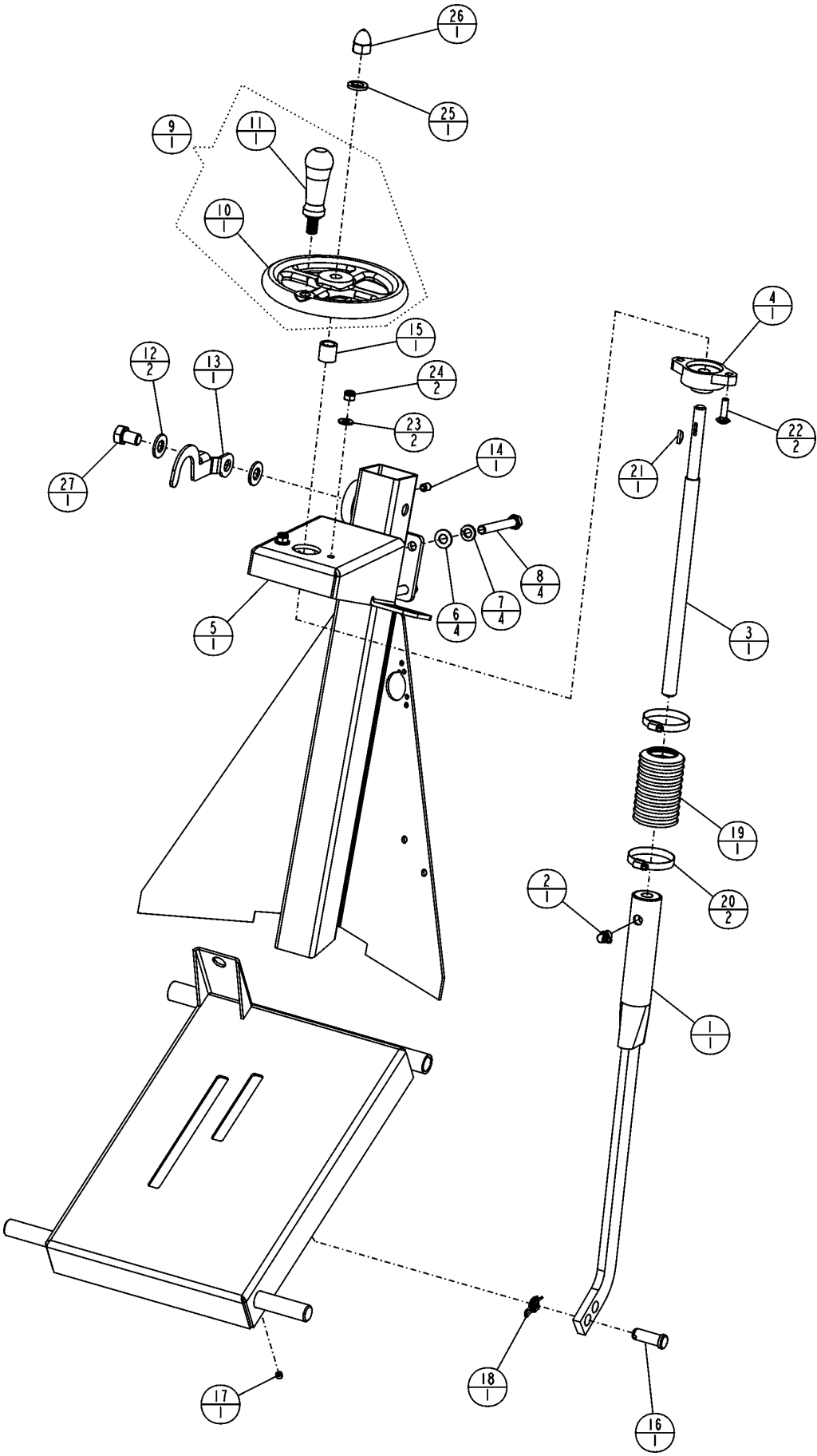


# Diagram 1 – Frame & Axle

(Rev July 11, 2002)

| BILL OF MATERIAL |        |                                        |     |
|------------------|--------|----------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                            | QTY |
| 1                | 174939 | Frame Weldment, MC18                   | 1   |
| 2                | 174942 | Axle, Front                            | 1   |
| 3                | 174975 | Axle, Pivot                            | 1   |
| 4                | 020768 | Washer, Flat .75 SAE                   | 4   |
| 5                | 040091 | Wheel Assy, 5 Inch Dia                 | 2   |
| 6                | 041160 | Lock Collar, .750 ID (w/ss)            | 2   |
| 7                | 020551 | Screw, Set Soc Cup Pt .312-18UNC x .25 | 1   |
| 8                | 020767 | Washer, Flat .625 SAE                  | 4   |
| 9                | 139569 | Wheel, 8 Inch Dia                      | 2   |
| 10               | 049923 | Lock Collar, .625 w/SS                 | 3   |
| 11               | 020551 | Screw, Set Soc Cup Pt .312-18UNC x .25 | 1   |
| 12               | 139638 | Anchor, Spring                         | 1   |
| 13               | 020323 | Capscrew, Hex Hd .375-16UNC x 1.00     | 2   |
| 14               | 020199 | Locknut, Fiber .375-16UNC              | 2   |
| 15               | 139582 | Bolt, Tension                          | 1   |
| 16               | 020140 | Nut, Std Hex .500-13UNC                | 1   |
| 17               | 020766 | Washer, Flat .500 SAE                  | 1   |
| 18               | 020201 | Locknut, Fiber .500-13UNC              | 1   |
| 19               | 139581 | Spring                                 | 2   |
| 21               | 174946 | Handle, Bent                           | 1   |
| 22               | 139568 | Grip, Handle                           | 2   |
| 23               | 177557 | Knob, 3/8-16UNC-2A x 1.00              | 2   |
| 24               | 163988 | Wrench, 1-1/16" Open End               | 1   |
| 25               | 197170 | Wing Bolt, M6 x 1.0 x 16 mm            | 1   |

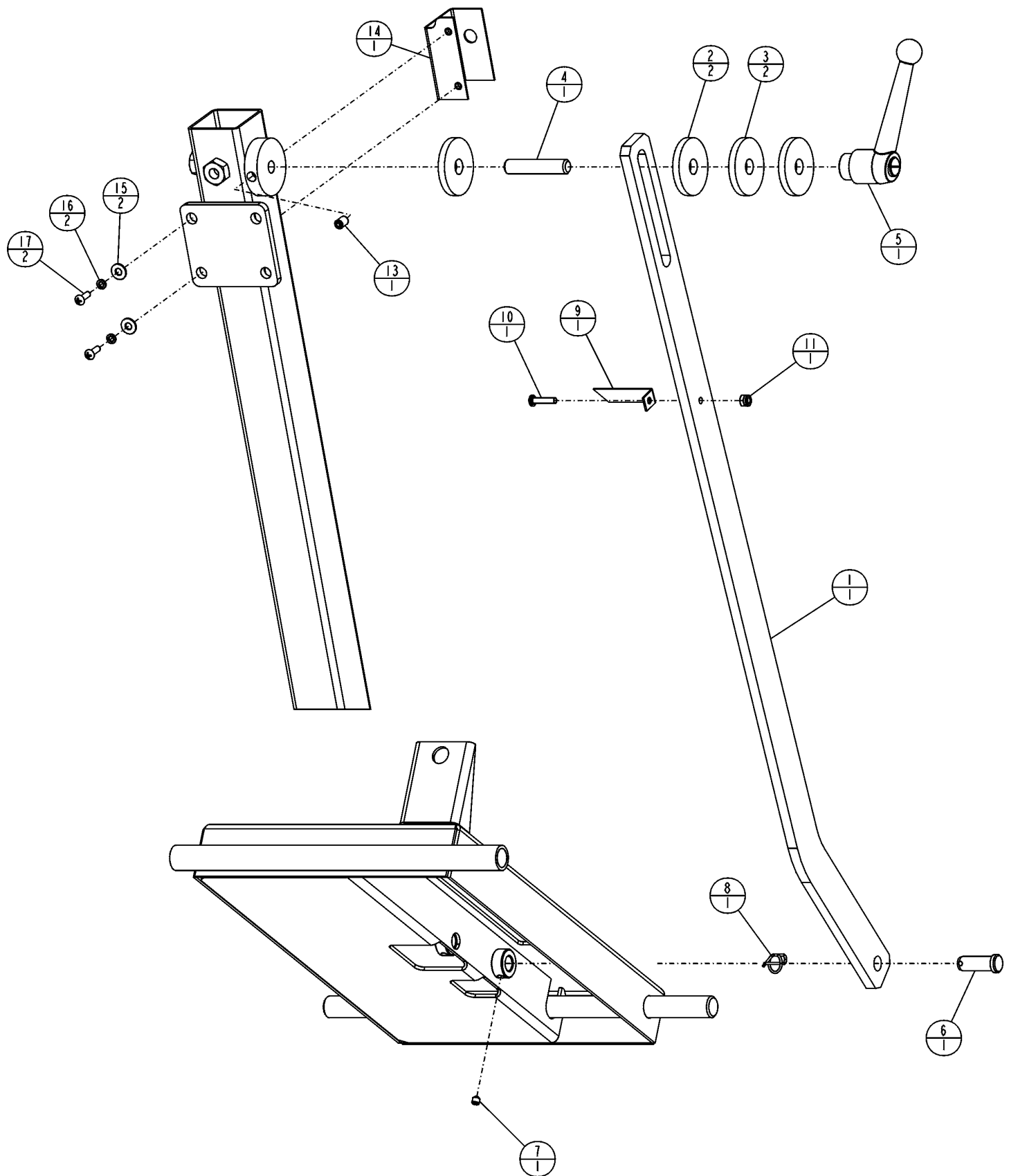
Diagram 2 – Depth Control (Screw Feed)



## Diagram 2 – Depth Control (Screw Feed)

| BILL OF MATERIAL |        |                                        |     |
|------------------|--------|----------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                            | QTY |
| 1                | 174997 | Adj Nut Wldmnt w/ Grease Fit           | 1   |
| 2                | 049924 | Fitting, Grease 1/8 NPT x 90°          | 1   |
| 3                | 177915 | Screw, Adj., .625-8 ACME               | 1   |
| 4                | 040141 | Bearing, Flange, .50 Inch ID           | 1   |
| 5                | 174944 | Bracket, Screw Feed                    | 1   |
| 6                | 020764 | Washer, Flat .375 SAE                  | 4   |
| 7                | 020786 | Lockwasher, Split .375                 | 4   |
| 8                | 020330 | Capscrew, Hex Hd .375-16UNC x 3.00     | 4   |
| 9                | 040153 | Assy, Hand Wheel                       | 1   |
| 10               | 040151 | Wheel, Hand - Machined                 | 1   |
| 11               | 032250 | Handle Assy, Revolving                 | 1   |
| 12               | 020766 | Washer, Flat .500 SAE                  | 2   |
| 13               | 174956 | Bracket, Stop                          | 1   |
| 14               | 020552 | Screw, Set Soc Cup Pt .312-18UNC x .50 | 1   |
| 15               | 174994 | Spacer, Adjustment Screw               | 1   |
| 16               | 160164 | Pin, Clevis .50 Dia x 1.13 Lg          | 1   |
| 17               | 020540 | Screw, Set Soc Cup Pt .250-20UNC x .25 | 1   |
| 18               | 177239 | Pin, Rue Ring - .50 DIA                | 1   |
| 19               | 040183 | Rubber Boot, 3 Inch (20 ribs)          | 1   |
| 20               | 174961 | Hose Clamp, Worm Drive SAE 24 Narrow   | 2   |
| 21               | 020010 | Key, Woodruff #405                     | 1   |
| 22               | 020012 | Bolt, Carriage .250-20UNC x 1.00       | 2   |
| 23               | 020762 | Washer, Flat .250 SAE                  | 2   |
| 24               | 020195 | Locknut, Fiber .250-20UNC              | 2   |
| 25               | 020788 | Lockwasher, Split .500                 | 1   |
| 26               | 030210 | Nut, Acorn LT .500-13UNC               | 1   |
| 27               | 020668 | Capscrew, Hex Hd .500-13UNC x .75      | 1   |
| 28               | 174998 | Decal, Screw Feed                      | 1   |

**Diagram 3 – Depth Control (Lock Bar)**

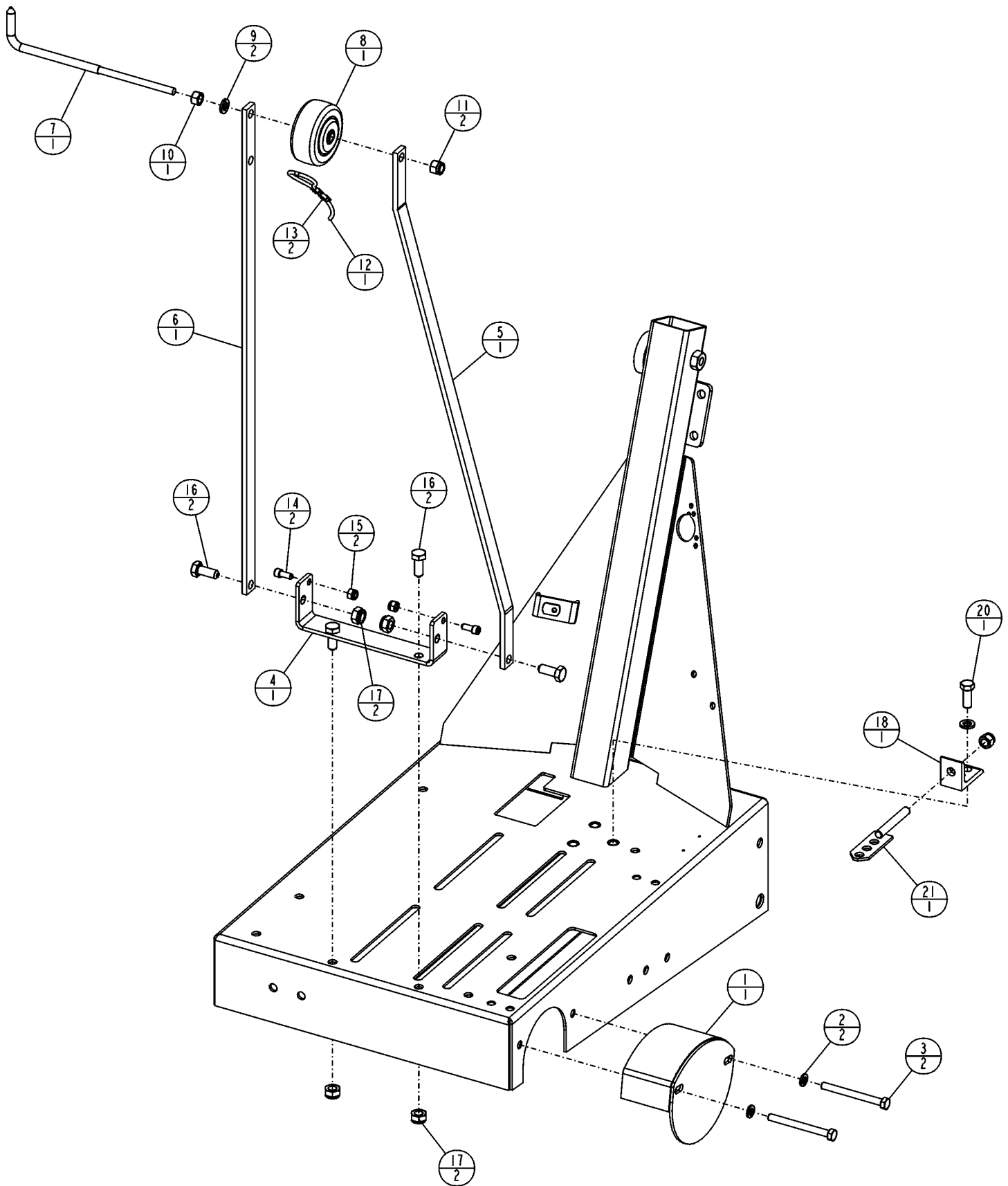




### Diagram 3 – Depth Control (Lock Bar)

| BILL OF MATERIAL |        |                                          |     |
|------------------|--------|------------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                              | QTY |
| 1                | 139560 | Bar, Lock                                | 1   |
| 2                | 049513 | Washer, Friction .531 ID                 | 2   |
| 3                | 139562 | Washer                                   | 2   |
| 4                | 139556 | Stud, Depth Control                      | 1   |
| 5                | 174679 | Lever, Adjustment                        | 1   |
| 6                | 160164 | Pin, Clevis .50 Dia x 1.13 Lg            | 1   |
| 7                | 020540 | Screw, Set Soc Cup Pt .250-20UNC x .25   | 1   |
| 8                | 177239 | Pin, Rue Ring - .50 DIA                  | 1   |
| 9                | 139626 | Pointer, Depth                           | 1   |
| 10               | 020461 | Screw, Mach Ph Hd #10-24UNC x .875       | 1   |
| 11               | 020194 | Locknut, Fiber #10-24UNC                 | 1   |
| 12               | 139633 | Decal, Depth of Cut                      | 1   |
| 13               | 020552 | Screw, Set Soc Cup Pt .312-18UNC x .50   | 1   |
| 14               | 196000 | Bracket, Switch                          | 1   |
| 15               | 020740 | Washer, Flat .188 Dia                    | 2   |
| 16               | 020782 | Lockwasher, Split #10                    | 2   |
| 17               | 196034 | Screw, Rd Hd Mach 10-24 x .625 Cross Z/P | 2   |

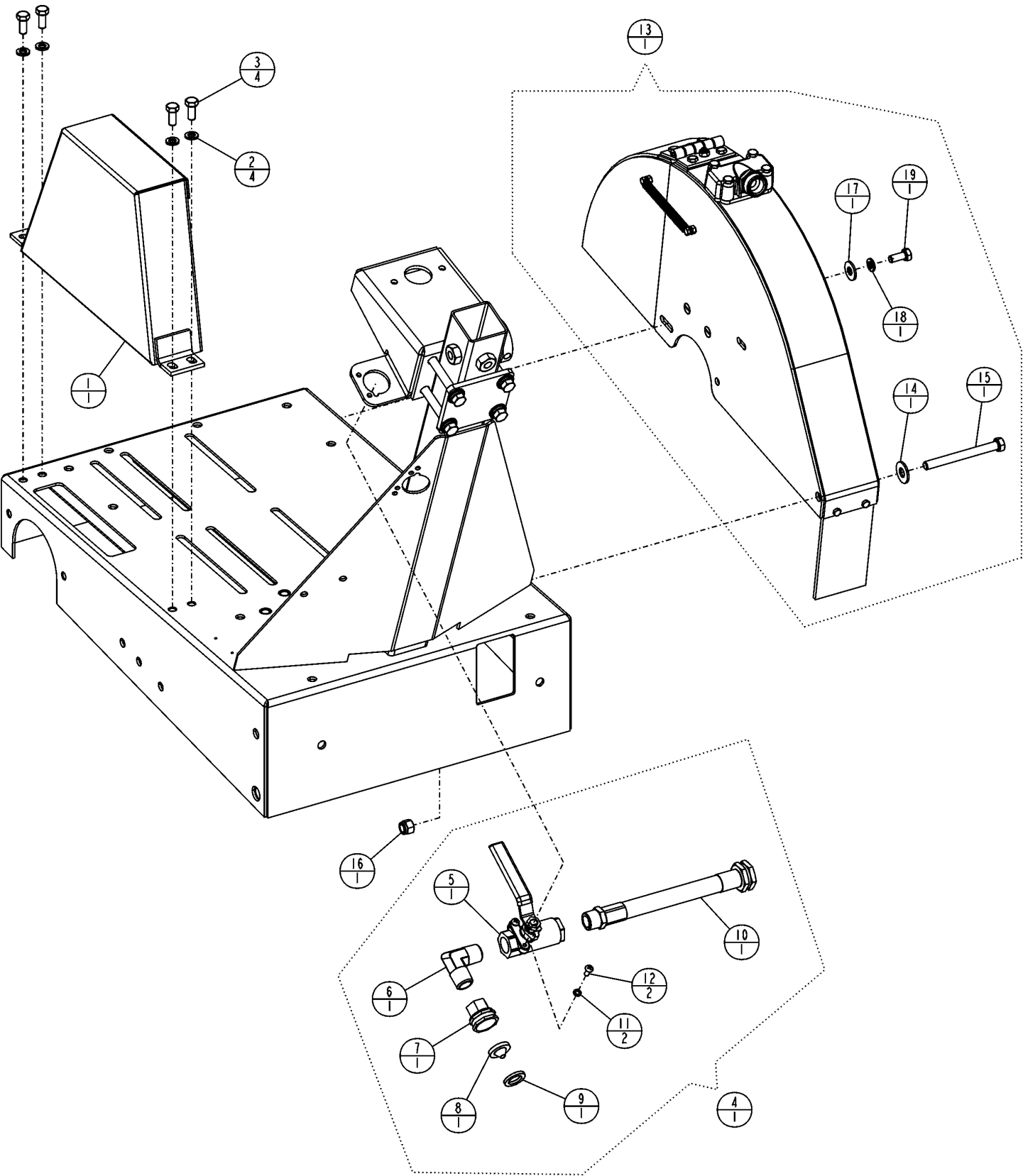
Diagram 4 – Pointer & Belt Guard



## Diagram 4 – Pointer & Belt Guard

| BILL OF MATERIAL |        |                                    |     |
|------------------|--------|------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                        | QTY |
| 1                | 174328 | Guard, Shaft - Weldment            | 1   |
| 2                | 020785 | Lockwasher, Split .313             | 2   |
| 3                | 020399 | Capscrew, Hex Hd .312-18UNC x 3.25 | 2   |
| 4                | 174977 | Bracket, Pointer Mount             | 1   |
| 5                | 167908 | Bar, Pointer - Offset              | 1   |
| 6                | 167906 | Bar, Pointer - Straight            | 1   |
| 7                | 041231 | Rod, Pointer                       | 1   |
| 8                | 041220 | Wheel, 3in Dia                     | 1   |
| 9                | 020786 | Lockwasher, Split .375             | 1   |
| 10               | 020136 | Nut, Std Hex .375-16UNC            | 1   |
| 11               | 020199 | Locknut, Fiber .375-16UNC          | 1   |
| 12               | 172137 | Rope, Pointer                      | 1   |
| 13               | 162761 | Clamp                              | 2   |
| 14               | 020395 | Capscrew, Soc Hd .250-20UNC x .625 | 2   |
| 15               | 020195 | Locknut, Fiber .250-20UNC          | 2   |
| 16               | 139749 | Capscrew, Hex Hd M10 x 1.50 x 25mm | 4   |
| 17               | 139748 | Locknut, Fiber M10 x 1.50          | 4   |
| 18               | 040550 | Hinge Block, Pointer               | 1   |
| 19               | 020786 | Lockwasher, Split .375             | 1   |
| 20               | 020323 | Capscrew, Hex Hd .375-16UNC x 1.00 | 1   |
| 21               | 177696 | Draw Bolt, 3/8-16UNC               | 1   |
| 22               | 020199 | Locknut, Fiber .375-16UNC          | 1   |

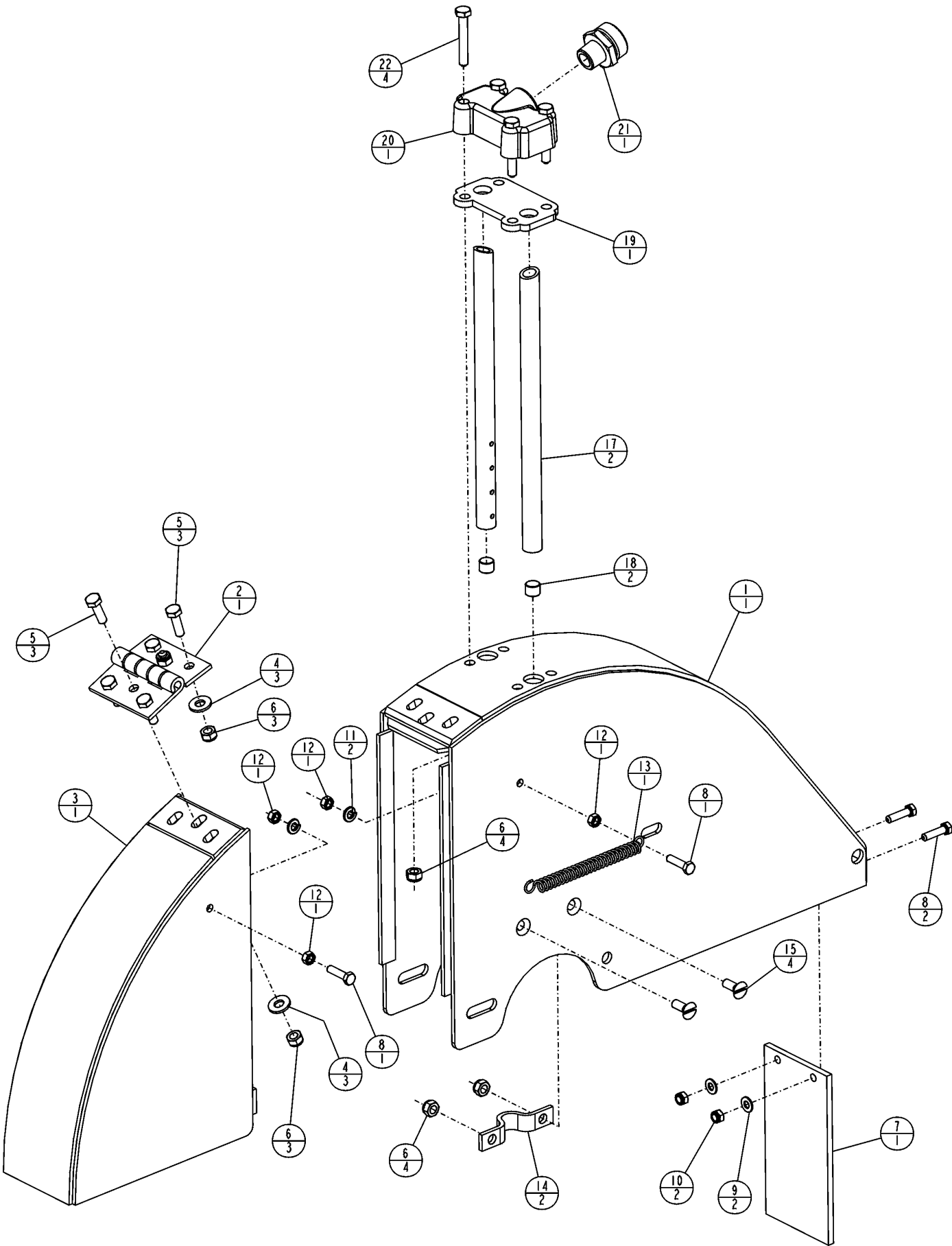
Diagram 5 – Guards & Water Distribution



## Diagram 5 – Guards & Water Distribution

| BILL OF MATERIAL |        |                                          |     |
|------------------|--------|------------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                              | QTY |
| 1                | 174953 | Guard, Belt                              | 1   |
| 2                | 020785 | Lockwasher, Split .313                   | 4   |
| 3                | 020313 | Capscrew, Hex Hd .312-18UNC x .75        | 4   |
| 4                | 174992 | Water Valve Assy, MC18                   | 1   |
| 5                | 139021 | Water Valve                              | 1   |
| 6                | 169196 | Elbow, 1/2NPT Male x 90° Brass           | 1   |
| 7                | 040270 | Hose Adapter                             | 1   |
| 8                | 045640 | Filter Washer                            | 1   |
| 9                | 040254 | Washer, Hose                             | 1   |
| 10               | 139616 | Hose Assy, Water - MC18                  | 1   |
| 11               | 020782 | Lockwasher, Split #10                    | 2   |
| 12               | 196039 | Screw, Rd Hd Mach 10-24 x .500 Cross Z/P | 2   |
| 13               | 196042 | Assy, Blade Guard - 18in Tgt Blue        | 1   |
| 14               | 020743 | Washer, Flat .375 Dia                    | 1   |
| 15               | 020233 | Capscrew, Hex Hd .375-16UNC x 3.75       | 1   |
| 16               | 020199 | Locknut, Fiber .375-16UNC                | 1   |
| 17               | 020742 | Washer, Flat .313 Dia                    | 1   |
| 18               | 020785 | Lockwasher, Split .313                   | 1   |
| 19               | 020313 | Capscrew, Hex Hd .312-18UNC x .75        | 1   |

Diagram 6 – Blade Guard



## Diagram 6 – Blade Guard

(Rev July 11, 2002)

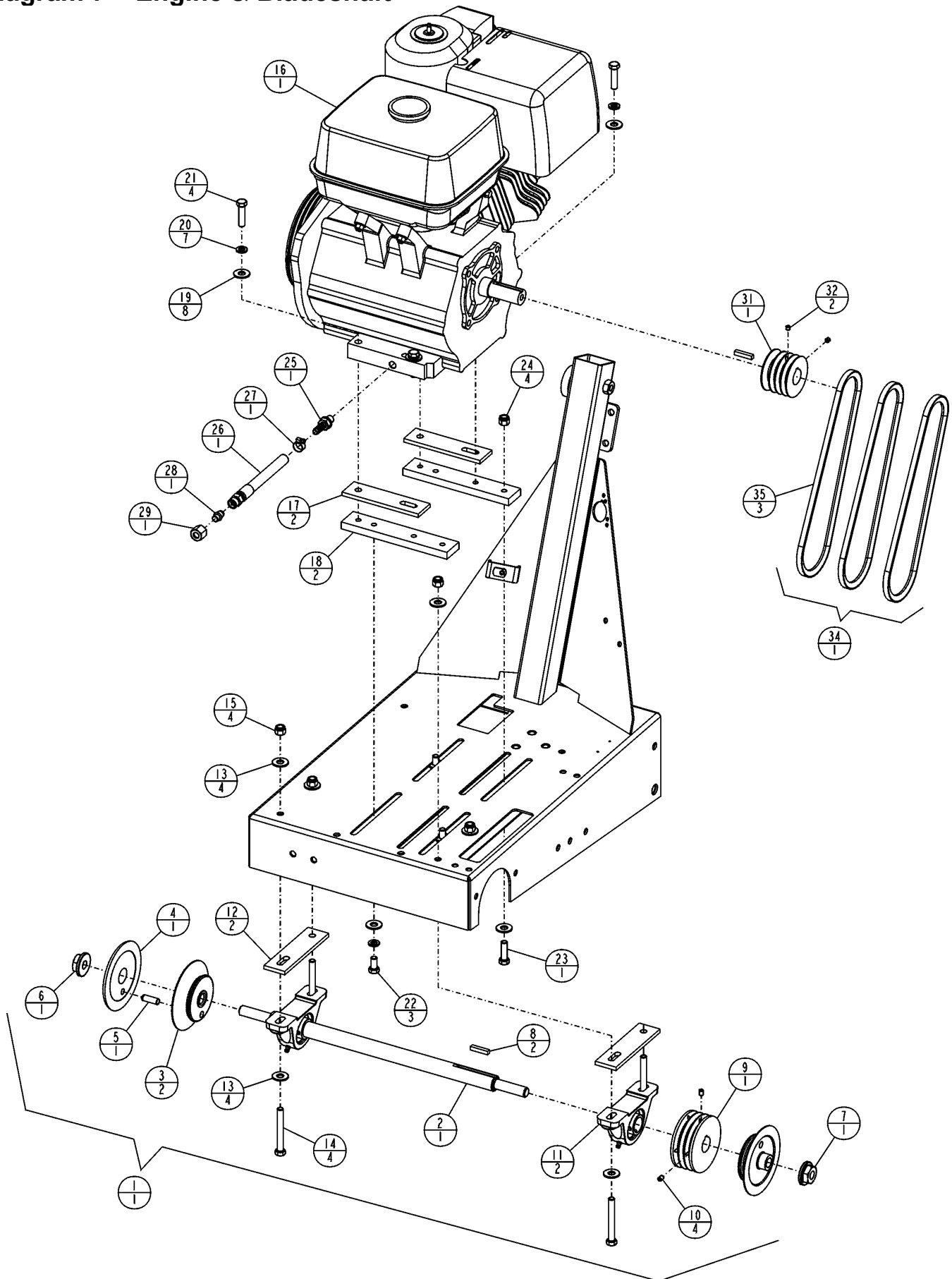
| BILL OF MATERIAL |        |                                            |     |
|------------------|--------|--------------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                                | QTY |
| 1                | -----  | Rear Guard Weldment - 18 Inch              | 1   |
| 2                | 139075 | Hinge (Note A)                             | 1   |
| 2A               | 195127 | Hinge (Note A)                             | 1   |
| 3                | 139596 | Front Guard Weldment, 18 Inch (Note A)     | 1   |
| 3A               | 195120 | Front Guard Weldment, 18 Inch (Note A)     | 1   |
| 4                | 020762 | Washer, Flat .250 SAE (Note A)             | 6   |
| 4A               | 173059 | Washer, Flat M8 (Note A)                   | 6   |
| 5                | 139761 | Capscrew, Hex Hd M6 x 1.0 x 20mm (Note A)  | 6   |
| 5A               | 167478 | Capscrew, Hex Hd M8 x 1.25 x 25mm (Note A) | 6   |
| 6                | 139745 | Locknut, Fiber M6 x 1.0 (Note A)           | 6   |
| 6A               | 139738 | Locknut, Fiber M8 x 1.25 (Note A)          | 6   |
| 7                | 139098 | Splash Flap                                | 1   |
| 8                | 167761 | Capscrew, Hex Hd M5 x 0.8 x 20mm           | 4   |
| 9                | 173047 | Washer, Flat M5                            | 2   |
| 10               | 172316 | Locknut, Fiber M5 x 0.8                    | 2   |
| 11               | 020782 | Lockwasher, Split #10                      | 2   |
| 12               | 172011 | Nut, Hex Hd M5 x 0.80                      | 4   |
| 13               | 040330 | Spring, .375 OD x .054 Dia                 | 1   |
| 14               | 049212 | Clamp, Water Tube                          | 2   |
| 15               | 167818 | Capscrew, Slot Flat Hd M6 x 1.0 x 16mm     | 4   |
| 16               | 139745 | Locknut, Fiber M6 x 1.0                    | 8   |
| 17               | 167046 | Water Tube, 18 Inch                        | 2   |
| 18               | 020864 | Plug, Soc Hd 1/8 NPT Brass                 | 2   |
| 19               | 139051 | Gasket, Water Manifold                     | 1   |
| 20               | 139045 | Water Manifold, Machined                   | 1   |
| 21               | 040275 | Adapter, 3/8 NPT x Male Garden Hose        | 1   |
| 22               | 167551 | Capscrew, Hex Hd M6 x 1.0 x 40mm           | 4   |

### NOTE A:

For P/N 195127 Hinge (1/4" Thick) use P/N 195120 Front Guard Weldment - 18" and use hardware (Item 4A, 5A & 6A).

For P/N 139075 Hinge (1/8" Thick) use P/N 139596 Front Guard Weldment - 18" and use hardware (Item 4, 5 & 6).

**Diagram 7 – Engine & Bladeshaft**

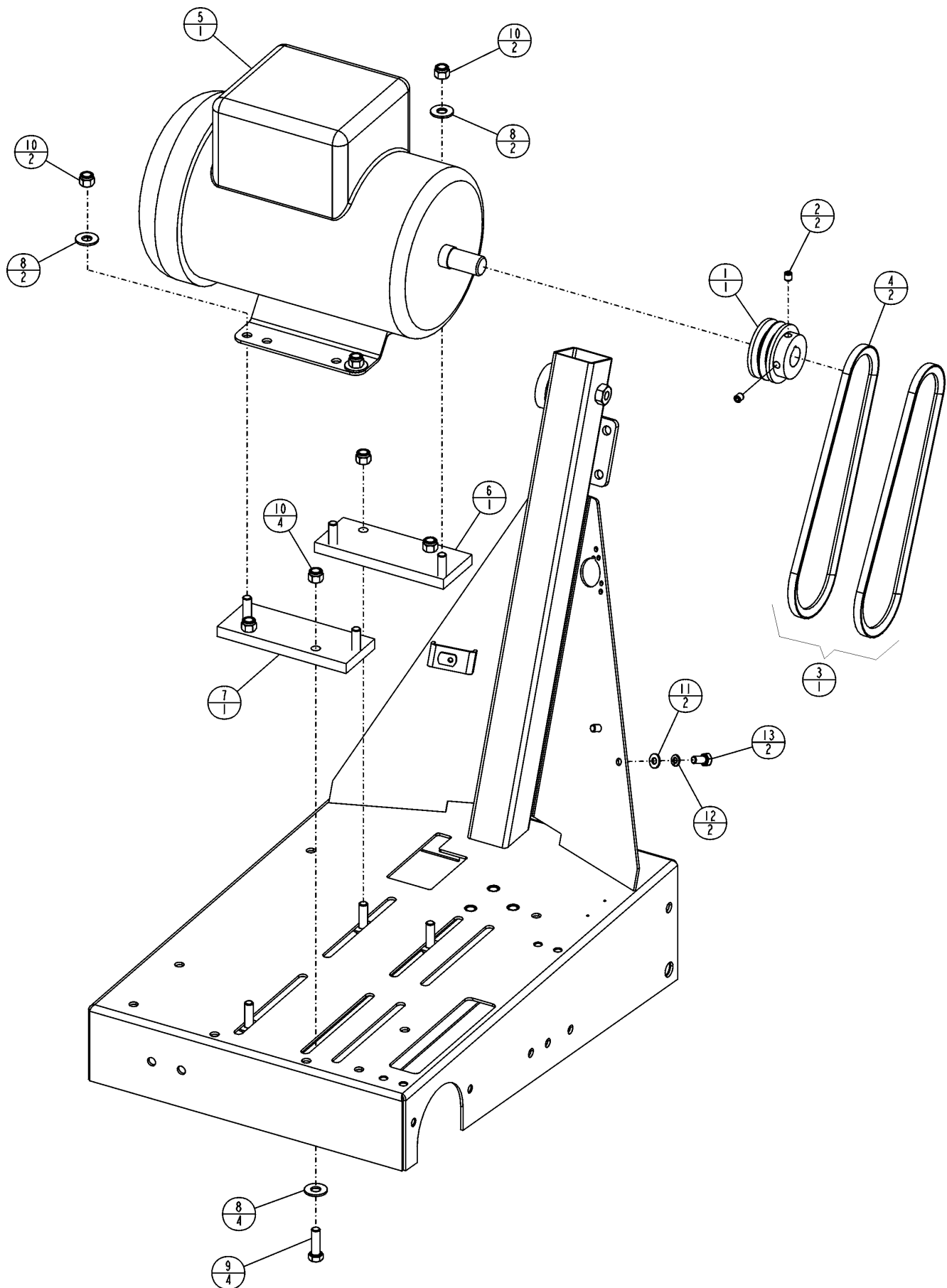




## Diagram 7 – Engine & Bladeshaft

| BILL OF MATERIAL |          |                                             |     |
|------------------|----------|---------------------------------------------|-----|
| INDEX            | P/N      | DESCRIPTION                                 | QTY |
| 1                | 174973   | Group, Bladeshaft R&L 4.5 (9H,13H,13R)      | 1   |
| -                | 196003   | Group, Bladeshaft R&L 4.5 (9R Only)         | 1   |
| 2                | 177569   | Bladeshaft Assy, Complete (9H,13H,13R)      | 1   |
| -                | 196004   | Bladeshaft Assy, Complete (9R Only)         | 1   |
| 3                | 167185   | Collar, Inner 4.50 OD                       | 2   |
| 4                | 167962   | Collar, Outer 4.50 OD Assy                  | 1   |
| 5                | 167964   | Pin, Drive                                  | 1   |
| 6                | 167846   | Nut, LH Thread, Bladeshaft                  | 1   |
| 7                | 167847   | Nut, RH Thread, Bladeshaft                  | 1   |
| 8                | 020067   | Key, Square .250 x 1.25 Lg                  | 1   |
| 9                | 139300   | Pulley Assy, 3GR 3V 3.65 (9H,13H,13R)       | 1   |
| -                | 196005   | Pulley Assy, 3GR 3V 4.12 (9R Only)          | 1   |
| 10               | 020541   | Screw, Set Soc Cup Pt .250-20UNC x .375     | 4   |
| 11               | 162633   | Bearing, 1in Pillowblock BB                 | 2   |
| 12               | 174962   | Spacer, Bearing                             | 2   |
| 13               | 020743   | Washer, Flat .375 Dia                       | 8   |
| 14               | 020330   | Capscrew, Hex Hd .375-16UNC x 3.00          | 4   |
| 15               | 020199   | Locknut, Fiber .375-16UNC                   | 4   |
| 16               | 177958   | Engine, 13HP Honda - Modified               | 1   |
| --               | 196010   | Engine, 13HP Robin - Modified               | 1   |
| --               | 167751   | Engine, 9HP Honda - Modified                | 1   |
| --               | 196008   | Engine, 9HP Robin - Modified                | 1   |
| 17               | 174962   | Spacer, Bearing (9R,13R,13H)                | 2   |
| 18               | 174736   | Plate, Adapter (13H Only)                   | 2   |
| 19               | 020743   | Washer, Flat .375 Dia                       | 8   |
| 20               | 020786   | Lockwasher, Split .375 (13H Only)           | 7   |
| 21               | 020377   | Capscrew, Hex Hd .375-16UNC x 1.50 (13H)    | 4   |
| --               | 020380   | Capscrew, Hex Hd .375-16UNC x 1.75 (9H)     | 4   |
| --               | 020509   | Capscrew, Hex Hd .375-16UNC x 2.00 (9R,13R) | 4   |
| 22               | 020322   | Capscrew, Hex Hd .375-16UNC x .75 (13H)     | 3   |
| 23               | 048740   | Capscrew, Hex Hd .375-16UNC x 1.25 (13H)    | 1   |
| 24               | 020199   | Locknut, Fiber .375-16UNC                   | 4   |
| 25               | 167133   | Adapter, M12 x 10mm Hose Barb (9H,13H)      | 1   |
| --               | 167138   | Adapter, M14 x 1.5M x .25NPTF (9R,13R)      | 1   |
| --               | 15700887 | Fitting, .25NPT x .375HB (9R,13R-Not Shown) | 1   |
| 26               | 167305   | Hose Assembly, Oil Drain                    | 1   |
| 27               | 020049   | Hose Clamp, Worm Drive                      | 1   |
| 28               | 167306   | Cap, Blanking                               | 1   |
| 29               | 167622   | Tube Nut, M16                               | 1   |
| 30               | 174999   | Assy, Cord                                  | 1   |
| 31               | 167746   | Pulley Assy, 3G3V 2.65 Dia (w/ss)           | 1   |
| 32               | 020540   | Screw, Set Soc Cup Pt .250-20UNC x .25      | 2   |
| 33               | 020067   | Key, Square .250 x 1.25 Lg                  | 1   |
| 34               | 139613   | V-Belt, 3VX300 [set of 3](9R,13H,13R)       | 1   |
| --               | 139614   | V-Belt, 3VX280 [set of 3](9H Only)          | 1   |
| 35               | 047455   | V-Belt, 3VX300 (9R,13H,13R)                 | 3   |
| --               | 058020   | V-Belt, 3VX280 (9H Only)                    | 1   |

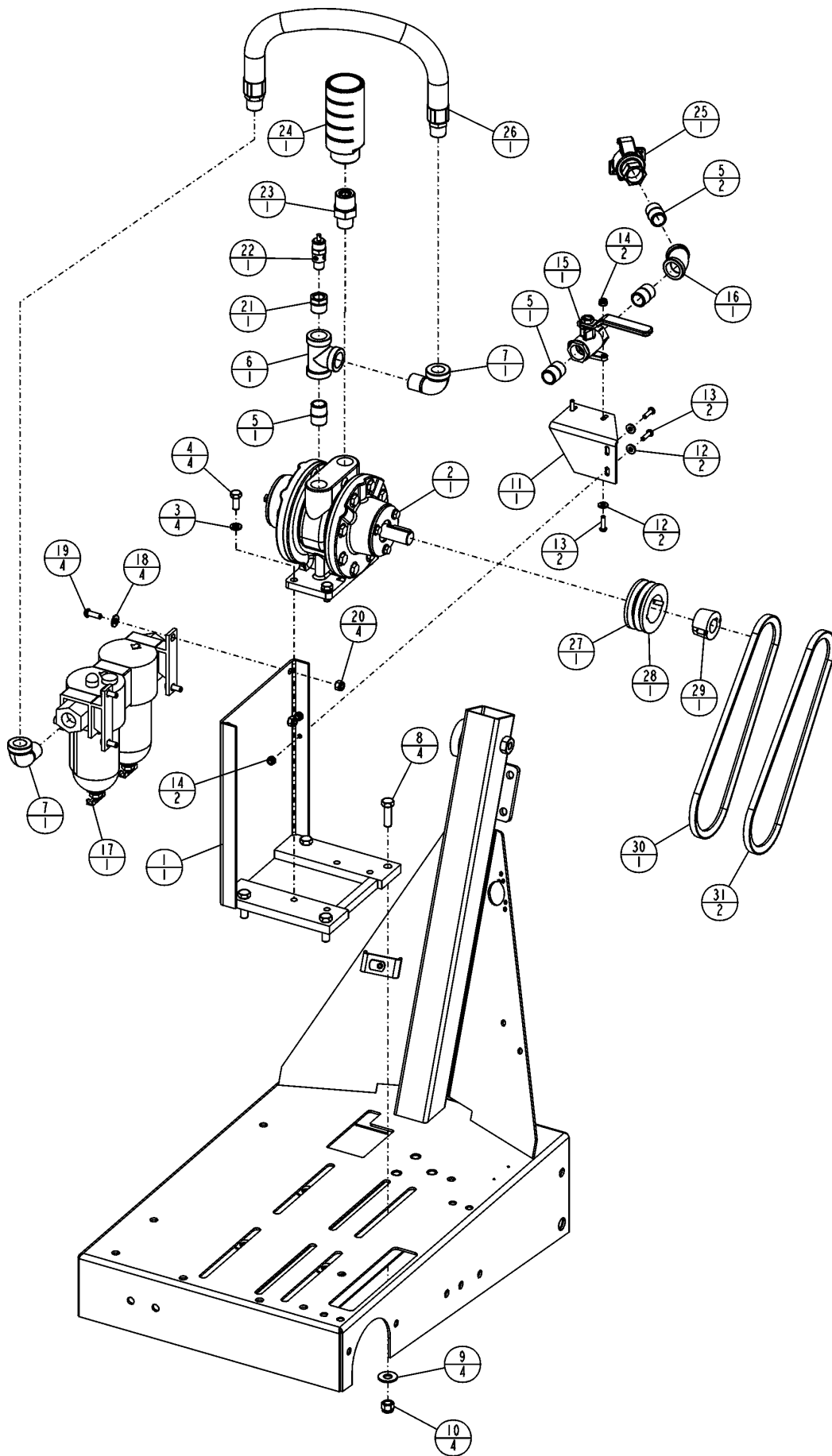
### Diagram 8 – Electric Motor



## Diagram 8 – Electric Motor

| BILL OF MATERIAL |        |                                         |     |
|------------------|--------|-----------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                             | QTY |
| 1                | 060143 | Pulley, 2G3V 2.65 x .875 Bore           | 1   |
| 2                | 020550 | Screw, Set Soc Cup Pt .312-18UNC x .375 | 2   |
| 3                | 139612 | V-Belt, 3VX280 (Set of 2)               | 1   |
| 4                | 058020 | V-Belt, 3VX280                          | 2   |
| 5                | 139306 | Motor, 5HP 230/60 Alt Wiring            | 1   |
| -                | 000923 | Motor, 5HP 3450 208-230/460/60          | 1   |
| 6                | 139540 | Adapter, L.H.                           | 1   |
| 7                | 139538 | Adapter, R.H.                           | 1   |
| 8                | 020743 | Washer, Flat .375 Dia                   | 8   |
| 9                | 048740 | Capscrew, Hex Hd .375-16UNC x 1.25      | 4   |
| 10               | 020199 | Locknut, Fiber .375-16UNC               | 8   |
| 11               | 020762 | Washer, Flat .250 SAE                   | 2   |
| 12               | 020784 | Lockwasher, Split .250                  | 2   |
| 13               | 020301 | Capscrew, Hex Hd .250-20UNC x .625      | 2   |

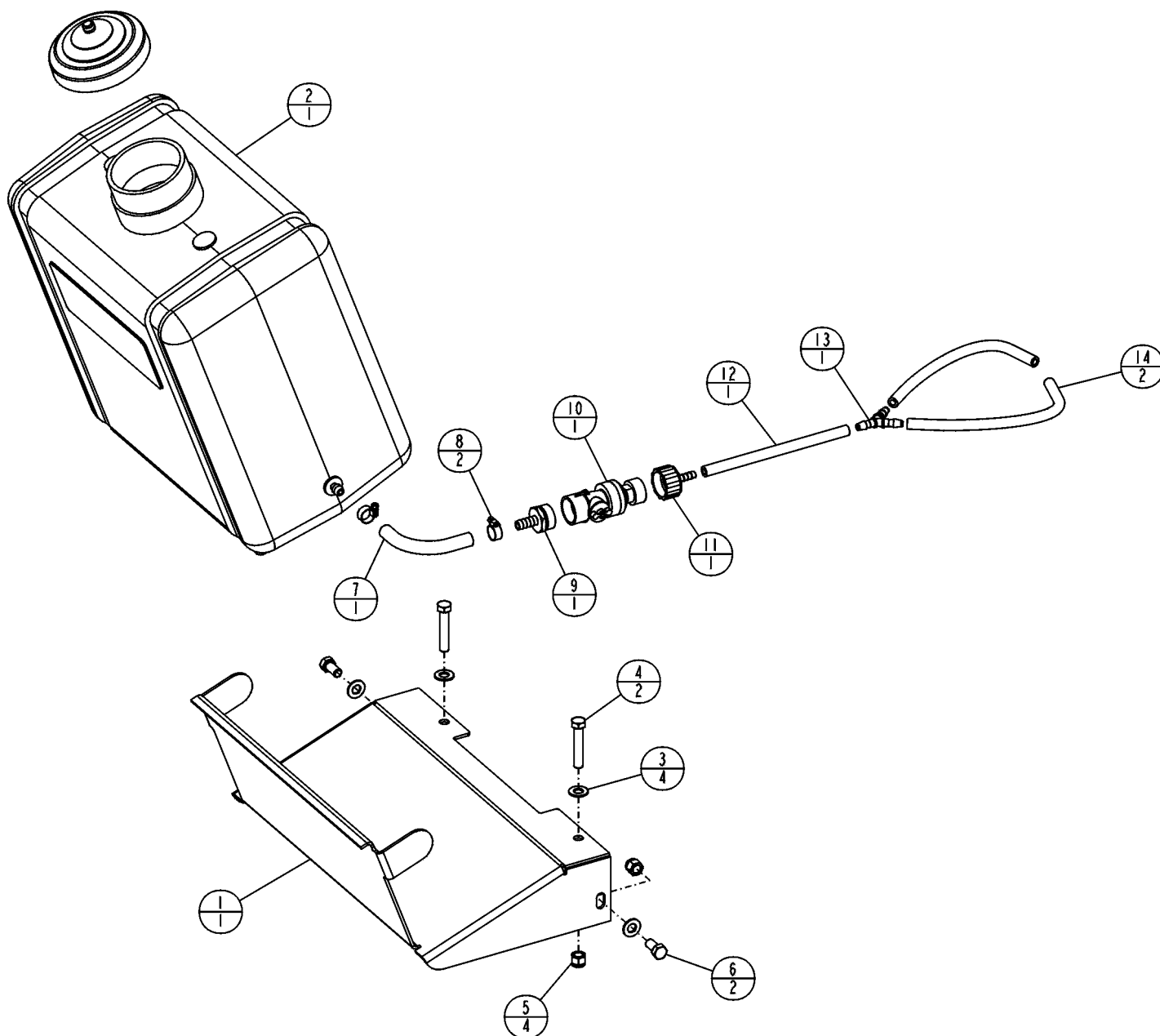
## Diagram 9 – Air Motor



## Diagram 9 – Air Motor

| BILL OF MATERIAL |        |                                      |     |
|------------------|--------|--------------------------------------|-----|
| INDEX            | P/N    | DESCRIPTION                          | QTY |
| 1                | 139644 | Air Motor Mount                      | 1   |
| 2                | 139624 | Air Motor                            | 1   |
| 3                | 020785 | Lockwasher, Split .313               | 4   |
| 4                | 020313 | Capscrew, Hex Hd .312-18UNC x .75    | 4   |
| 5                | 020293 | Nipple, Close 1/2 NPT                | 4   |
| 6                | 020730 | Tee, Female, 1/2 NPT, Galvanized     | 1   |
| 7                | 020810 | Elbow, Street, 90° x 1/2 NPT         | 2   |
| 8                | 048740 | Capscrew, Hex Hd .375-16UNC x 1.25   | 4   |
| 9                | 020743 | Washer, Flat .375 Dia                | 4   |
| 10               | 020199 | Locknut, Fiber .375-16UNC            | 4   |
| 11               | 139646 | Air Valve Mount                      | 1   |
| 12               | 020739 | Washer, Flat #10 SAE                 | 4   |
| 13               | 020408 | Screw, Mach Rd Hd #10-24UNC x 0.75   | 4   |
| 14               | 020194 | Locknut, Fiber #10-24UNC             | 4   |
| 15               | 139537 | Water Valve, 1/2 NPT                 | 1   |
| 16               | 020836 | Elbow, 45° Female 1/2 NPT            | 1   |
| 17               | 139641 | Air Filter Regulator Unit            | 1   |
| 18               | 020762 | Washer, Flat .250 SAE                | 4   |
| 19               | 020416 | Screw, Mach Rd Hd .250-20UNC x .75   | 4   |
| 20               | 020195 | Locknut, Fiber .250-20UNC            | 4   |
| 21               | 139649 | Bushing, 1/2 NPT x 1/4 NPT           | 1   |
| 22               | 139642 | Air Relief Valve, 125psi             | 1   |
| 23               | 162657 | Restricted Nipple, 3/4 NPT x 1/2 NPT | 1   |
| 24               | 139640 | Muffler                              | 1   |
| 25               | 161117 | Coupling                             | 1   |
| 26               | 139643 | Air Hose Assy                        | 1   |
| 27               | 139651 | Pulley Assy, 2G3V2.65 w/Taper Hub    | 1   |
| 28               | 139652 | Pulley, 2G3V2.65 1108 T-L            | 1   |
| 29               | 161099 | Hub, Taper 1108 -.75 Bore            | 1   |
| 30               | 167744 | V-Belt, 3VX280 (Set of 2)            | 1   |
| 31               | 167743 | V-Belt, 3VX280                       | 2   |

## Diagram 10 – Kit, Water Tank (174957)



### BILL OF MATERIAL

| INDEX | P/N    | DESCRIPTION                               | QTY |
|-------|--------|-------------------------------------------|-----|
| 1     | 196035 | Bracket, Water Tank                       | 1   |
| 2     | 174648 | Water Tank (w/cap), 7 Gallon              | 1   |
| 3     | 020764 | Washer, Flat .375 SAE                     | 4   |
| 4     | 020509 | Capscrew, Hex Hd .375-16UNC x 2.00        | 2   |
| 5     | 020199 | Locknut, Fiber .375-16UNC                 | 4   |
| 6     | 020322 | Capscrew, Hex Hd .375-16UNC x .75         | 2   |
| 7     | 139722 | Hose, 3/8 ID x 4.4                        | 1   |
| 8     | 020049 | Hose Clamp, Worm Drive                    | 2   |
| 9     | 174016 | Fitting, Hose Barb 3/8 ID x 3/4 Male      | 1   |
| 10    | 174741 | Kit: Quick Disconnect Garden Hose w/Valve | 1   |
| 11    | 196037 | Fitting, 3/4 FGH SWV x 1/4 HB Nylon       | 1   |
| 12    | 187667 | Hose, 1/4 ID x 7in                        | 1   |
| 13    | 196038 | Fitting, 1/4 Y Nylon LP                   | 1   |
| 14    | 187667 | Hose, 1/4 ID x 9in                        | 2   |