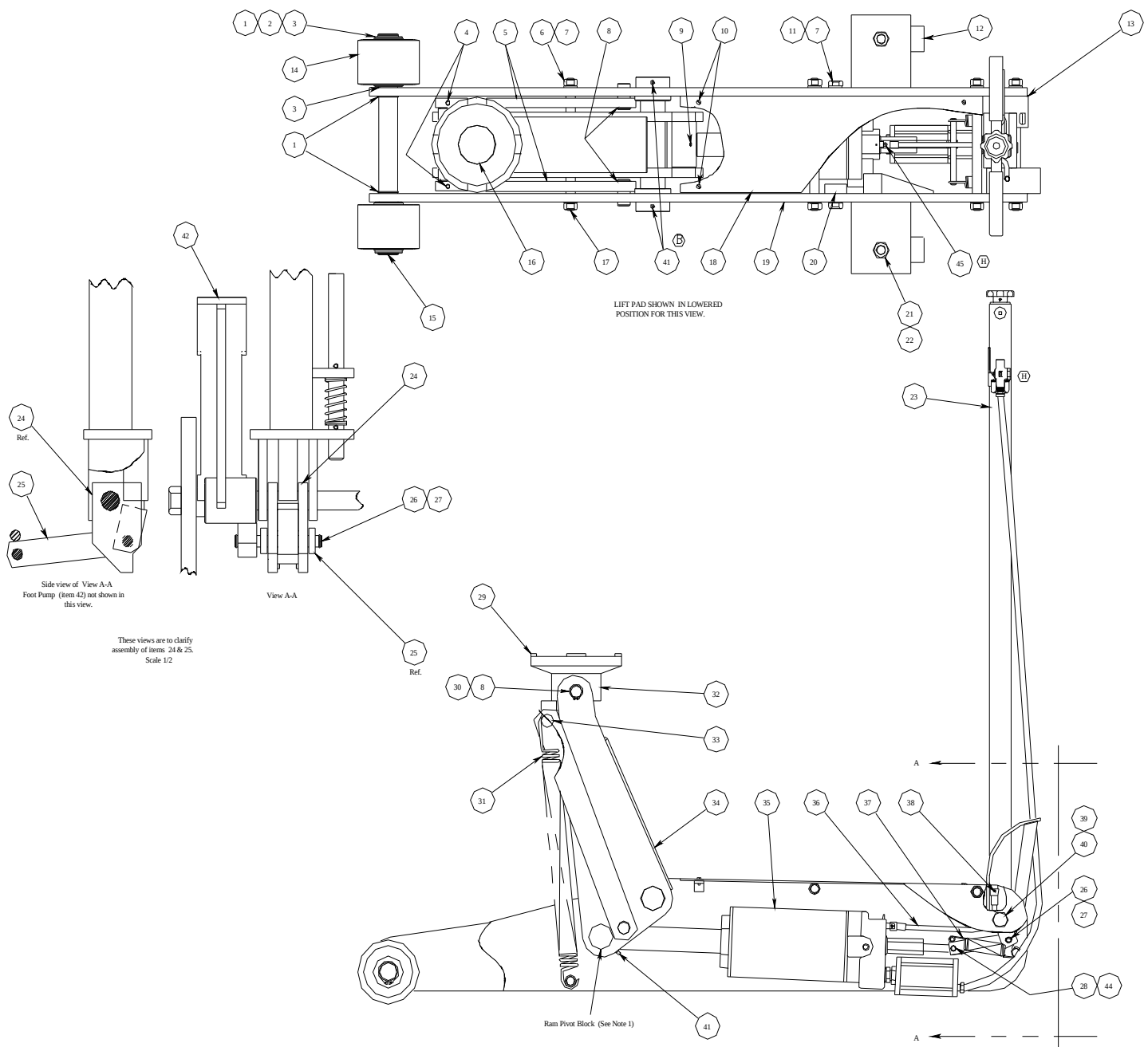


**Professional Service Equipment**

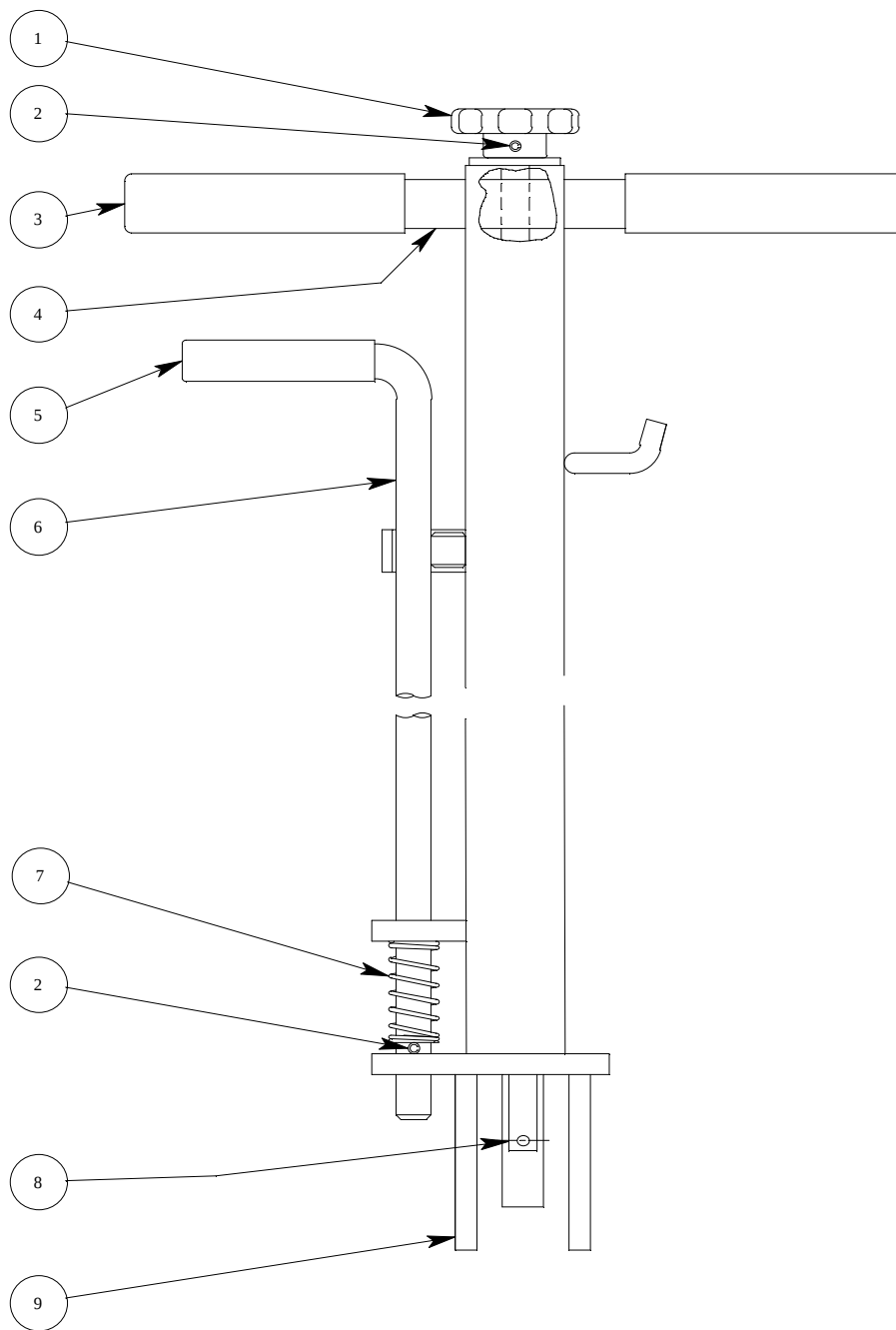
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www.grayusa.com

**Parts List****FSJ-200****SERIAL NUMBER 77-004857 & Above**

| ITEM | QTY | PART NUMBER | DESCRIPTION                                                 |
|------|-----|-------------|-------------------------------------------------------------|
| 1    | 4   | 1-230-14001 | Retaining Ring, External, 1 1/2 Dia.                        |
| 2    | 2   | 1-204-02301 | Washer, flat, 1 1/2 x 14 Ga.                                |
| 3    | 4   | 1-441-24001 | Bearing, flanged, 1.5 x 1.625 x 1.5                         |
| 4    | 2   | 0-235-22006 | Roll Pin, 5/16 Dia., 2" Long                                |
| 5    | 2   | 1-877-04014 | Leveling Link                                               |
| 6    | 8   | 0-203-01600 | Nut, Hex, 5/8-11 UNC                                        |
| 7    | 10  | 0-204-11601 | Washer, Lock, Split Type, 5/8 Dia.                          |
| 8    | 4   | 1-230-13000 | Retaining Ring, External, 1" Dia.                           |
| 9    | 1   | 0-235-21030 | Roll Pin, 3/16 Dia., 2" Long                                |
| 10   | 5   | 1-202-00803 | Screw, Pan Hd, 10-32 UNC, Steel, Plated, 5/8" Long          |
| 11   | 2   | 0-200-31608 | Capscrew, Hex Hd, 5/8-11 UNC X 1 1/2 Lg                     |
| 12   | 2   | 1-480-11028 | Caster, Swivel Stem, 4" Dia., Steel                         |
| 13   | 1   | 3-877-02013 | Frame Weldment, R.H.                                        |
| 14   | 2   | 1-480-00007 | Wheel and Grease Fitting Subassembly                        |
| 15   | 1   | 1-877-04023 | Front Axle                                                  |
| 16   | 1   | 1-877-04004 | Lift Pad Retainer                                           |
| 17   | 4   | 1-877-04021 | Shaft, Threaded Both Ends, 3/4 Dia.                         |
| 18   | 1   | 1-877-04030 | Top Cover                                                   |
| 19   | 1   | 3-877-02012 | Frame Rail Weldment, L.H.                                   |
| 20   | 2   | 1-203-60605 | Nut, Special, 5/8-11 UNC                                    |
| 21   | 2   | 0-203-01701 | Nut, Hex, 3/4-10 UNC                                        |
| 22   | 2   | 0-204-11700 | Washer, Lock, Split Type, 3/4 Dia.                          |
| 23   | 1   | 3-877-01001 | Handle Subassembly                                          |
| 24   | 1   | 2-877-02004 | Pump Pivot Link Weldment                                    |
| 25   | 2   | 1-877-02014 | Pump Link Weldment                                          |
| 26   | 1   | 1-877-04060 | Pump Link Rear Pin                                          |
| 27   | 4   | 1-230-11012 | Retaining Ring, External, 7/16 Dia.                         |
| 28   | 1   | 1-200-31310 | Cap Screw, Special, Hex Hd 7/16- 14 UNC, Steel Plated, Gr 8 |
| 29   | 1   | 2-877-04063 | Lift Pad Casting, Machined                                  |
| 30   | 1   | 1-877-04024 | Lift Pad Pivot Shaft                                        |
| 31   | 1   | 1-233-05002 | Spring, Extension, 1 15/32 Dia., 12 1/2 Lg.                 |
| 32   | 1   | 1-878-04061 | Lift Pad Mount Machined                                     |
| 33   | 1   | 1-877-04033 | Leveling Link Front Pin                                     |
| 34   | 1   | 3-877-02005 | Lift Arm Weldment                                           |
| 35   | 1   | 4-353-04070 | Power Unit                                                  |
| 36   | 1   | 2-877-04006 | Flex Shaft                                                  |
| 37   | 2   | 1-233-04002 | Spring, Extension, 15/16 O.D.                               |
| 38   | 1   | 0-235-21004 | Roll Pin. 3/16 Dia. X 3/4 Long                              |
| 39   | 1   | 1-202-01710 | Capscrew, Hex Hd, 3/4-10 UNC X 9 1/2 Lg                     |
| 40   | 1   | 1-203-01705 | Nut, Hex, 3/4-10 UNC, Self Locking                          |
| 41   | 4   | 1-400-50000 | Grease Fitting, 3/16 Drive                                  |
| 42   | 1   | 3-877-02010 | Foot Pump Pivot Weldment                                    |
| 43   | 1   | 3-877-00002 | Placard Orientation and Shipping Assembly                   |
| 44   | 1   | 0-203-01302 | Nut, Hex, 7/16-14 UNC, Steel Plated, Self Locking           |
| 45   | 0   |             | Use one (1) Item 10                                         |



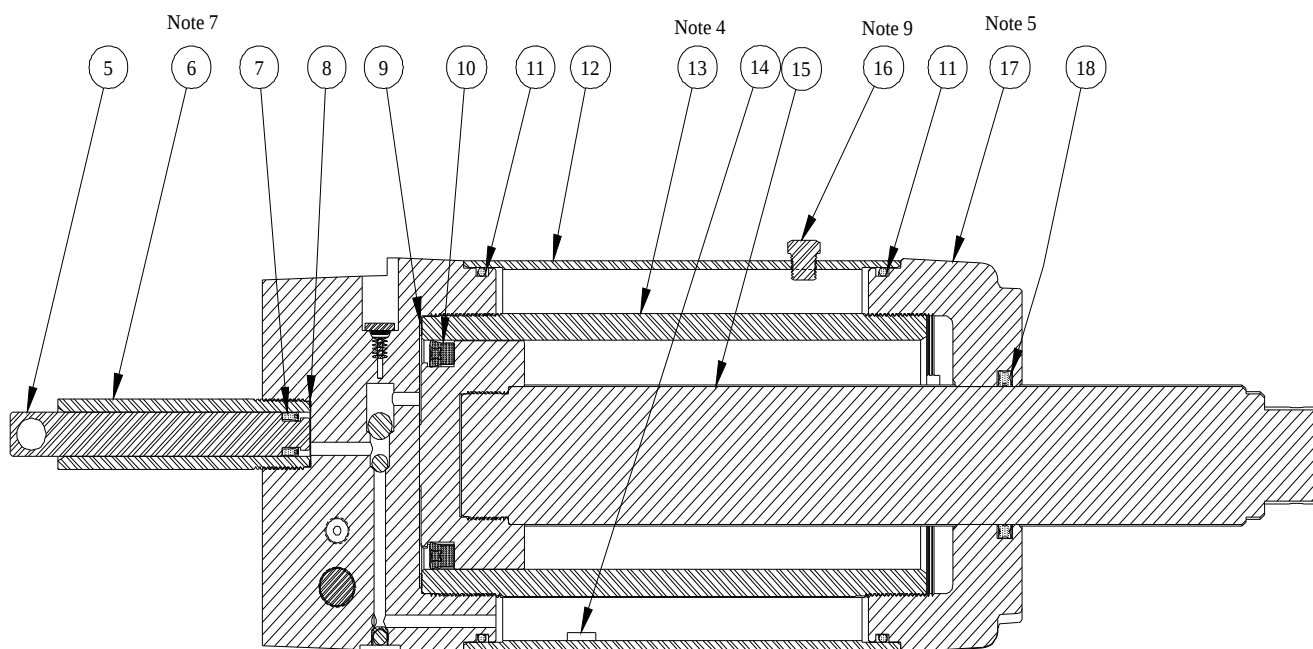
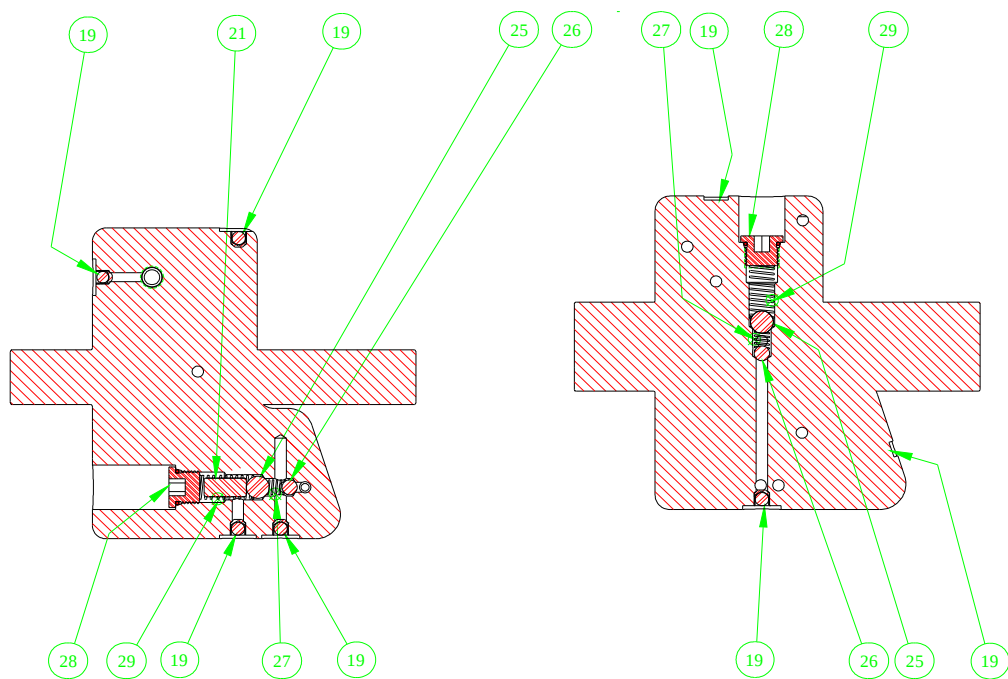
## Handle Subassembly Parts



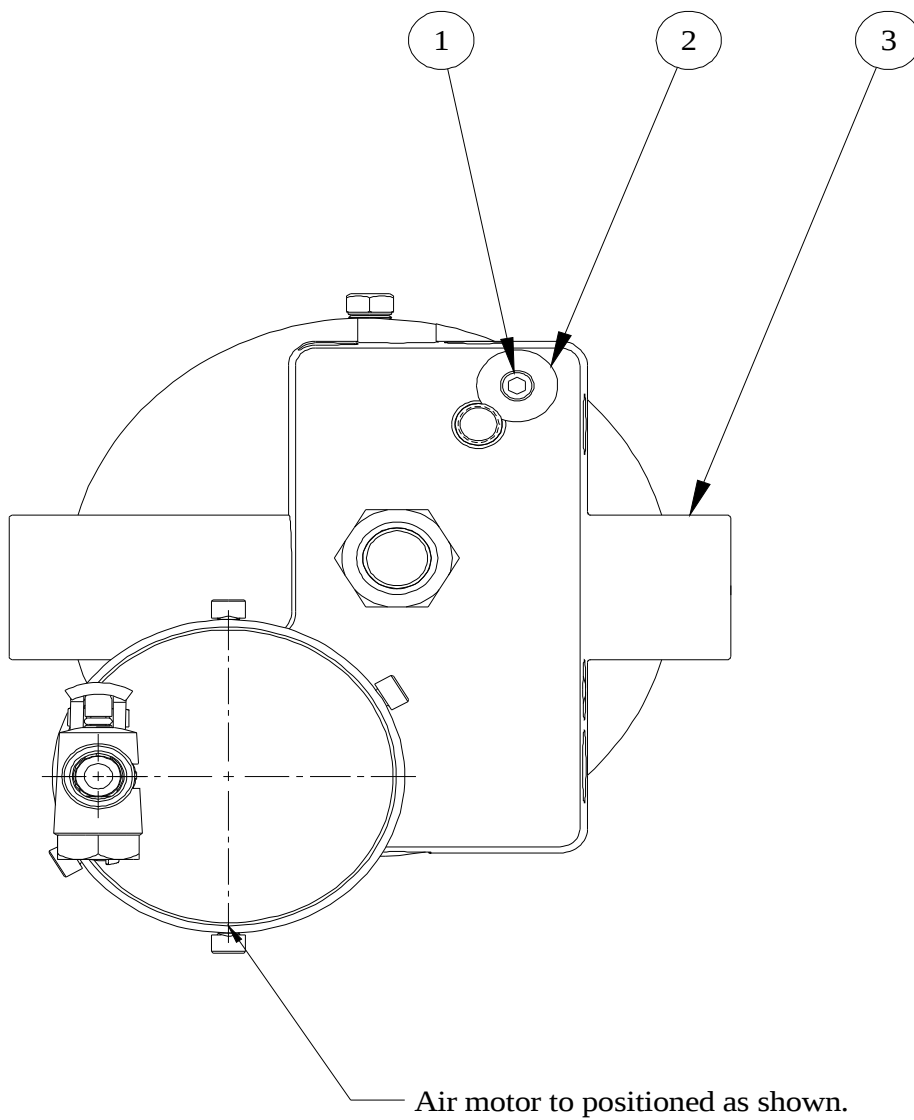
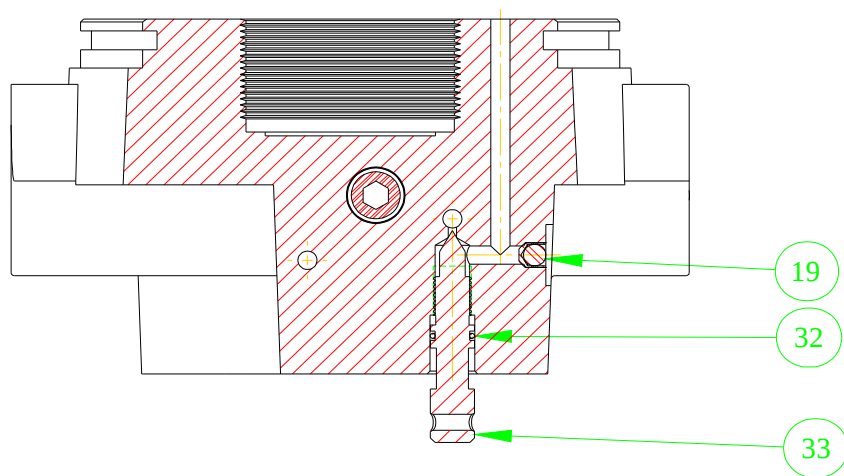
| ITEM | QTY | PART NUMBER | DESCRIPTION                         |
|------|-----|-------------|-------------------------------------|
| 1    | 1   | 1-232-20094 | Hand Wheel, Drilled, 2 1/2" Dia.    |
| 2    | 2   | 0-235-21011 | Roll Pin, 3/16" Dia. X 1 1/8" Lg.   |
| 3    | 2   | 1-232-20001 | Handle Grip, 7/8" I.D. X 5" Lg.     |
| 4    | 1   | 1-850-04010 | Handle Bar, Drilled                 |
| 5    | 1   | 1-232-20005 | Handle Grip, 5/8" I.D. X 3 1/2" Lg. |
| 6    | 1   | 1-877-02007 | Handle Release Rod Weldment         |
| 7    | 1   | 1-233-14012 | Spring Compression, 53/64" O.D.     |
| 8    | 1   | 1-877-04040 | Power Unit Release Rod              |
| 9    | 1   | 3-877-02011 | Handle Weldment                     |

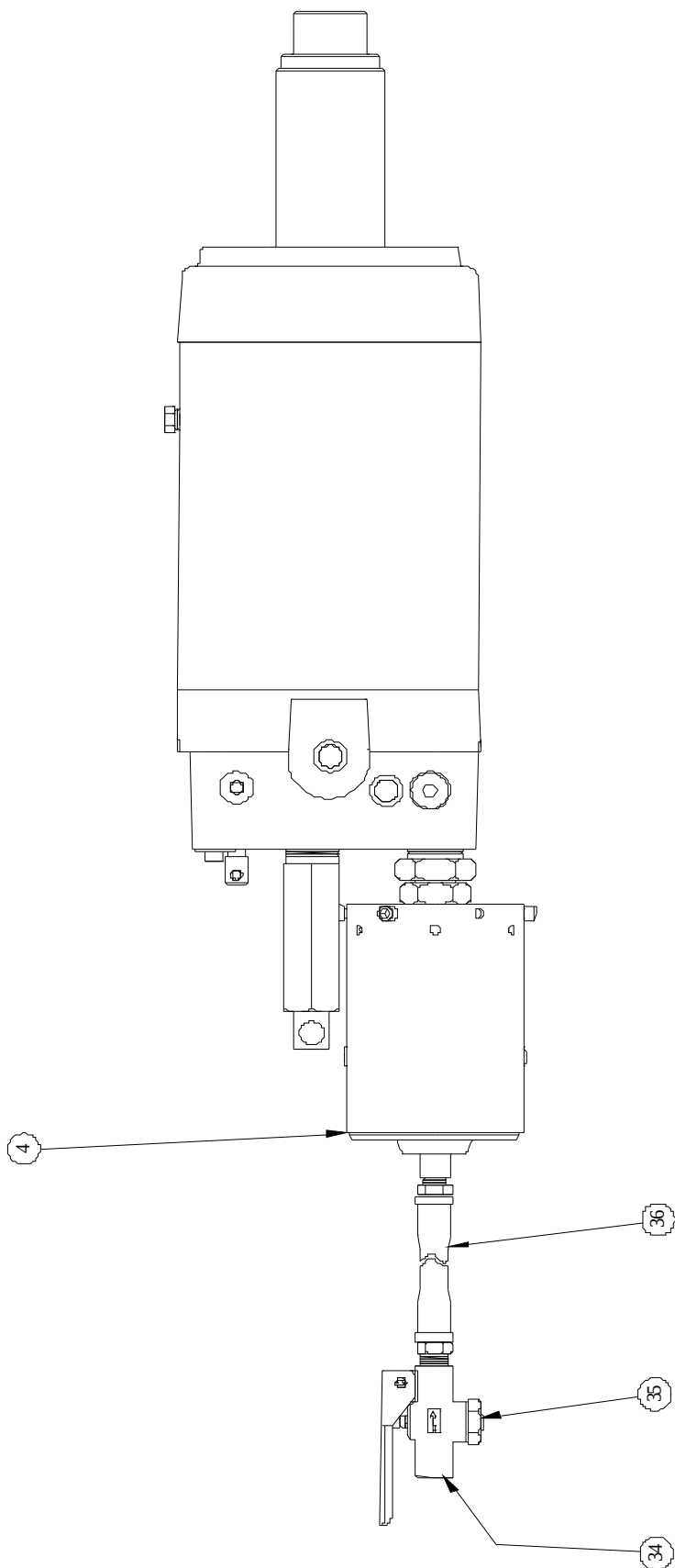
## **HYDRAULIC UNIT**

| <b>ITEM</b> | <b>QTY</b> | <b>PART NUMBER</b> | <b>DESCRIPTION</b>                                         |
|-------------|------------|--------------------|------------------------------------------------------------|
| 1           | 1          | 201-40019          | Capscrew, Hex Socket Head, 10-32 UNF, Steel, 1/2" Long     |
| 2           | 1          | 204-00807          | Washer, Special, .180 I.D. X .745 O.D. X .050 Thick        |
| 3           | 1          | 353-49251          | Hydraulic Block, FSJ - 200                                 |
| 4           | 1          | 310-60002          | Air Motor Subassembly                                      |
| 5           | 1          | 353-49255          | Plunger                                                    |
| 6           | 1          | 353-49257          | Pump Housing                                               |
| 7           | 1          | 390-10084          | Seal, 5/8 O.D. X 3/8 I.D. X 1/4 Type B                     |
| 8           | 2          | 390-10085          | Back Up Ring, 15/16 X 3/4 X .040 Thick                     |
| 9           | 1          | 390-11105          | Back Up Ring, 3 3/4 X 3 3/8 X .055 Thick                   |
| 10          | 1          | 390-11104          | Seal, 2 1/2 I.D. X 3 1/4 O.D. X 3/8                        |
| 11          | 2          | 390-02015          | O'Ring, 5 I.D. X 5 1/4 O.D. X 1/8 CS                       |
| 12          | 1          | 353-41063          | Reservoir Tube, FSJ - 200                                  |
| 13          | 1          | 353-41064          | Hydraulic Cylinder, FSJ - 200                              |
| 14          | 1          | 353-49010          | Magnet, 1/8 Dia., X 7/16 Long                              |
| 15          | 1          | 353-42029          | FSJ-200 Piston/Piston Rod Machined                         |
| 16          | 1          | 275-20009          | Pipe Plug, 1/8", External Hex                              |
| 17          | 1          | 353-43045          | End Cap, FSJ - 200                                         |
| 18          | 1          | 390-01063          | Quad Seal, 2 I.D. X 2 3/8 O.D. X 3/16 CS                   |
| 19          | 8          | 230-40001          | Plug                                                       |
| 20          |            |                    |                                                            |
| 21          | 1          | 353-49162          | Check Valve Spacer                                         |
| 22          |            |                    |                                                            |
| 24          |            |                    |                                                            |
| 25          | 2          | 236-00006          | Ball, 3/8 Dia., 440 C, Stainless Steel, Grade 25, 58-62 RC |
| 26          | 2          | 236-00005          | Ball, 1/4 Dia., 440C Stainless Steel, Grade 25, 58-62 RC   |
| 27          | 2          | 233-10007          | Spring, Compression, 1/4 Dia. X 3/8 Long                   |
| 28          | 2          | 274-34001          | Plug, Straight Thread, Recessed Hex, with O'Ring           |
| 29          | 2          | 233-12002          | Spring, Compression, .406 O.D.                             |
| 30          |            |                    |                                                            |
| 31          |            |                    |                                                            |
| 32          | 1          | 390-00007          | O'Ring, 7/16 O.D. X 5/16 I.D. X 1/16 CS                    |
| 33          | 1          | 353-49279          | Release Stem                                               |
| 34          | 1          | 312-91004          | Screen                                                     |
| 35          | 1          | 312-00002          | Air Valve                                                  |
| 36          | 1          | 271-02006          | Air Hose, 1/4 I.D. X 50" Long                              |



SECTION A-A





## Air Motor Assembly

| Item | Qty | Part Number | Description                                                           |
|------|-----|-------------|-----------------------------------------------------------------------|
| 1    | 4   | 201-00821   | Capscrew, Socket Head, #10 - 32UNF, Steel, Grade 8, .500" Long        |
| 2    | 1   | 315-00002   | Seal, Shuttle Valve                                                   |
| 3    | 1   | 310-40004   | Air Shuttle Piston, Injection Molded                                  |
| 4    | 1   | 230-06001   | Retaining Ring, Internal, 2 1/8 Diameter                              |
| 5    | 1   | 310-11033   | Air Motor Cylinder Weldment                                           |
| 6    | 1   | 310-91014   | Piston Cap, Injection Molded                                          |
| 7    | 1   | 390-01061   | O'Ring, 2 1/4 X 1/16 X 2 1/8, Nitrile Rubber, Compound 4456, 70 Duro. |
| 8    | 2   | 390-02010   | Quad Ring, 3" O.D. X 2 5/8 I.D. X 3/16                                |
| 9    | 1   | 390-10076   | Seal, 1 1/4 O.D. X 1" I.D. X 1/8 W                                    |
| 10   | 1   | 310-41017   | Piston, Air Motor, Inj. Molded                                        |
| 11   | 1   | 204-01106   | Washer, 1.750 X .320 X .064                                           |
| 12   | 1   | 353-49252   | Pump Plunger                                                          |
| 13   | 1   | 353-49258   | Pump Housing Cap                                                      |
| 14   | 1   | 233-15003   | Spring, Compression, 1 3/4 O.D.                                       |
| 15   | 1   | 390-10083   | Seal, .277 I. D, X .528 O.D. X .188 Typ. B                            |
| 16   | 1   | 310-20032   | Air Motor End Cap                                                     |
| 17   | 1   | 203-62004   | Nut, Special, 13 - 16UN, .400 Long                                    |
| 18   | 1   | 353-49254   | Pump Housing                                                          |

Screws to be positioned around  
1/4 NPT nipple as shown.

