

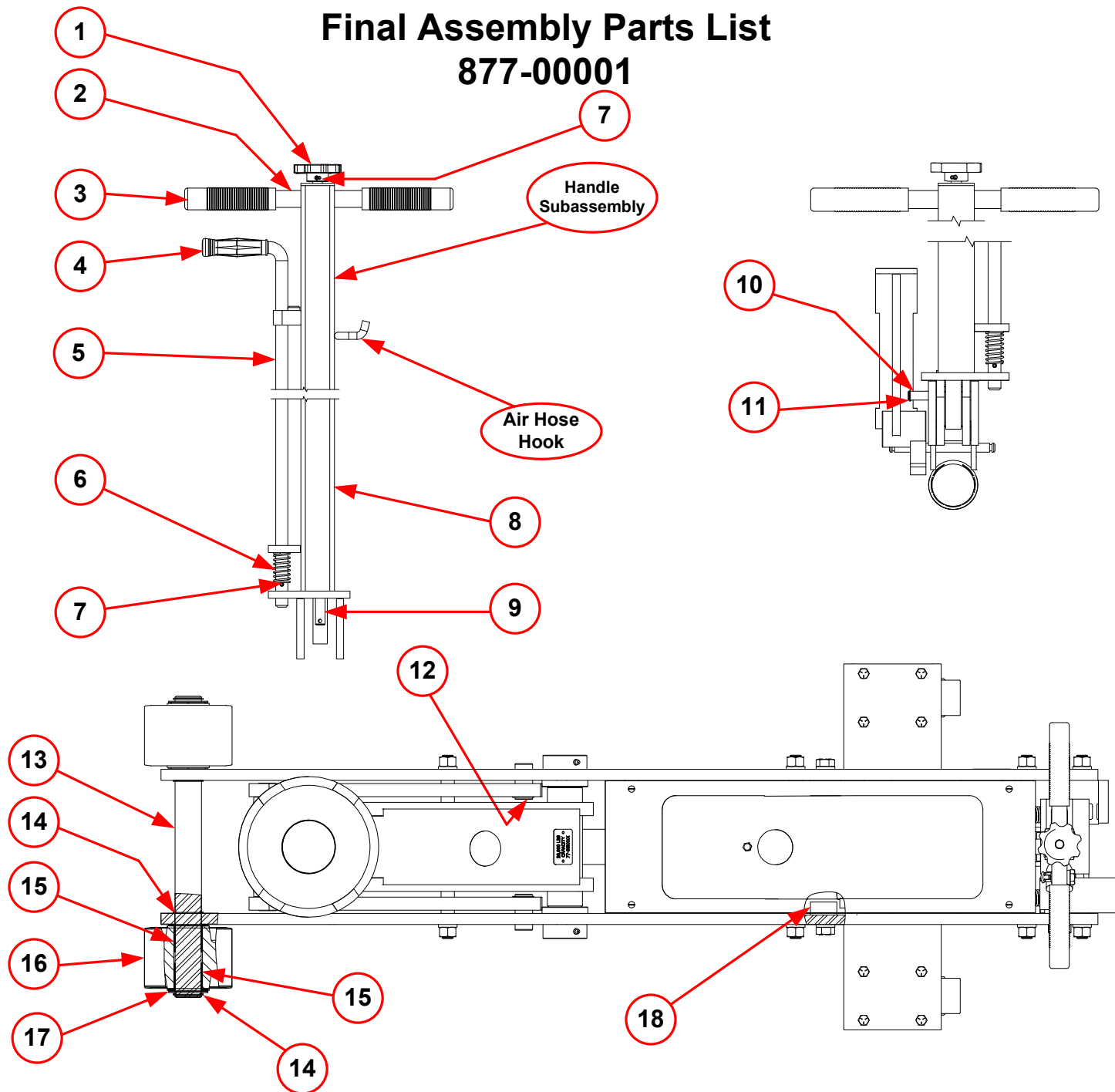
Parts List
FSJ-200
FLOOR SERVICE JACK 10 TON

SN: 77-010690 & Above

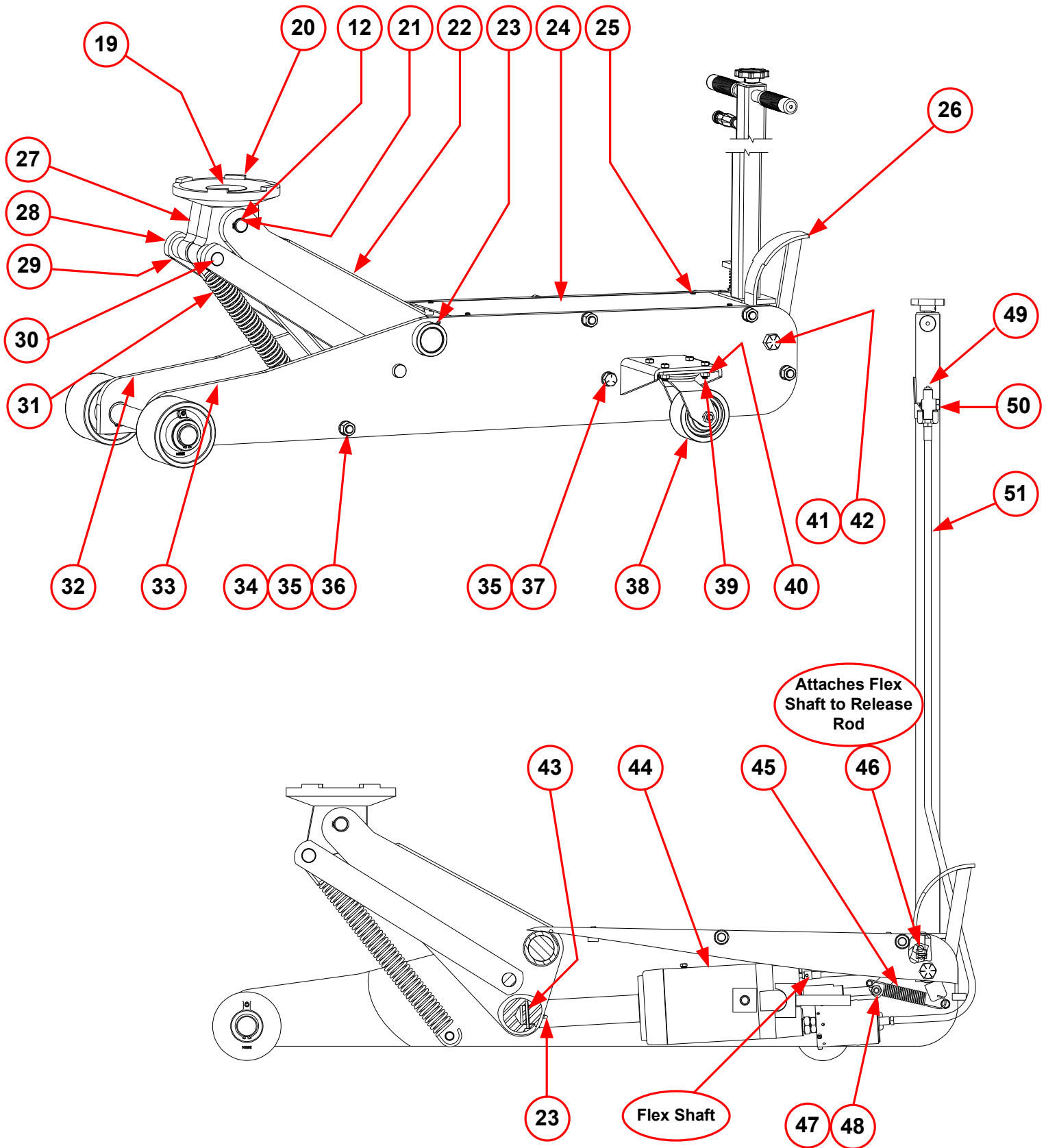
SERIAL NUMBER REQUIRED ON ALL PARTS ORDERS

Final Assembly Parts List

877-00001



Final Assembly Parts List 877-00001

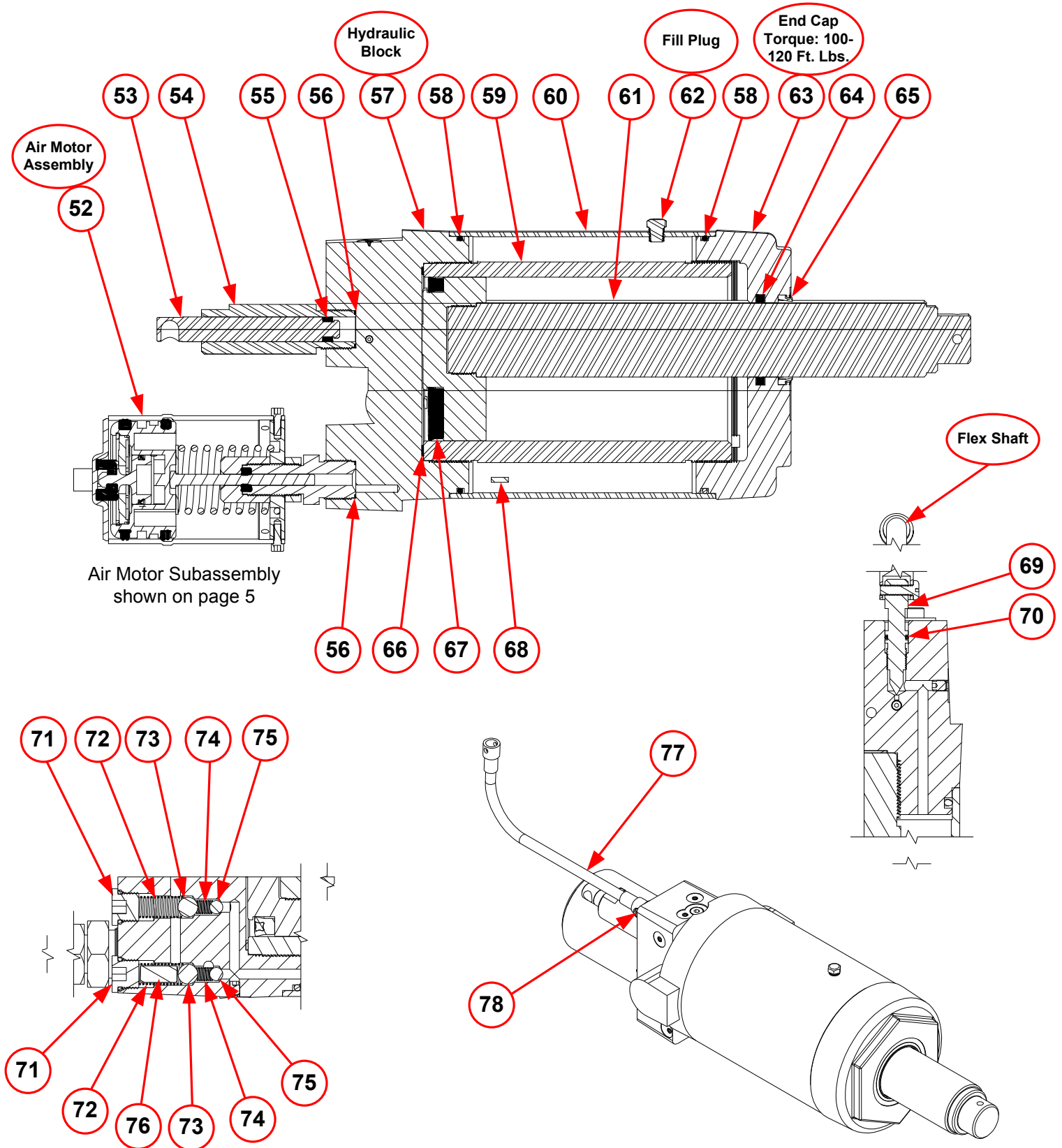


Final Assembly Parts List

Item	Qty.	Part Number	Description	Kit
1	1	232-20094	Hand Wheel Drilled, 2 1/2" OD	#
2	1	850-04010	Handle Bar, Drilled	#
3	2	232-20114	Hand Grip, 7/8" Dia. X 5" Long	#
4	1	232-20128	Handle Grip, 5/8" ID x 3 1/2" Long	#
5	1	877-02007	Handle Release Rod Weldment	#
6	1	233-14012	Spring, Compression, 53/64 OD	#
7	2	235-21011	Roll Pin, 3/16" Dia. X 1 1/8" Long	#
8	1	N/A	Power Unit Release Rod **sold in complete handle assy. Only**	#
9	1	N/A	Handle Weldment ***sold in complete handle assy. Only**	#
10	1	877-04060	Pump Link Rear Pin	
11	2	230-11012	Retaining Ring, External, 1" Dia.	
12	4	230-13000	Retaining Ring, External, 1" Dia.	
13	1	877-04023	Front Axle	
14	4	230-14001	Retaining Ring, External, 1 1/2" Dia.	
15	4	441-24001	Bearing, Plain, Flanged, 1 1/2 ID x 5/8" OD x 1 1/2" Long	
16	2	480-00007	Wheel & Grease Fitting Subassembly	
17	2	204-02301	Washer, Flat, 1 1/2 x 14 Ga.	
18	2	203-61605	Nut, Special, 5/8 x 1 3/4 x 7/8" Thick	
19	1	877-04004	Lift Pad Retainer	
20	1	877-04063	Lift Pad Casting, Machined	
21	1	877-04024	Lift Pad Pivot Shaft	
22	1	N/A	Lift Arm Weldment	
23	4	400-50000	Grease Fitting, 3/16 Drive	
24	1	877-04030	Top Cover	
25	4	202-00803	Screw, Pan Head, 10-32UNF, Slotted, Steel 5/8" Long	
26	1	877-02015	Foot Pedal Pivot Weldment	
27	1	877-04061	Lift Pad Mount, Machined	
28	2	877-04014	Leveling Link	
29	2	235-22006	Roll Pin, 5/16 Dia., 2" Long	
30	1	877-04033	Leveling Link Front Pin	
31	1	233-05002	Spring, Extension, 1 15/32 Dia., 12 1/2" Long	
32	1	N/A	Frame Rail Weldment, RH	
33	1	N/A	Frame Rail Weldment, LH	
34	8	203-01600	Nut, Hex, 5/8-11UNC, Regular	
35	10	204-11601	Lockwasher, 5/8", Split	
36	4	877-04021	Shaft, Threaded Both Ends, 3/4 Dia.	
37	2	200-31608	Capscrew, Hex Head, 5/8-11UNC 1 1/2" Long	
38	2	480-11039	Caster, Swivel Plate, 4" Dia. Ductile Iron Wheel	
39	8	203-01206	Nut, Hex, Flange Lock 3/8-16UNC, 1" Long	
40	8	200-31206	Capscrew, Hex Head, 3/8-16UNC, 1" Long	
41	1	203-01705	Nut, Hex, 3/4-10UNC, Self Locking	
42	1	202-01710	Capscrew, Special, 3/4-10UNC, 9 1/2" Long	
43	1	235-21030	Roll Pin, 3/16" Dia., 2" Long	
44	1	8877-01005	Complete Power Unit (includes air motor)	
45	2	233-04002	Spring, Extension, 15/16 OD.	
46	1	235-21004	Roll Pin, 3/16 Dia., x 3/4" Long	
47	1	200-31310	Capscrew, Special, Hex Head, 7/16-14UNC	
48	1	203-01302	Nut, Hex, 7/16-14UNC, Self Locking	
49	1	312-91004	Screen	
50	1	312-00002	Air Valve	
51	1	271-02006	Air Hose, 1/4 ID x 50" Long	

FSJ-200 Complete Power Unit

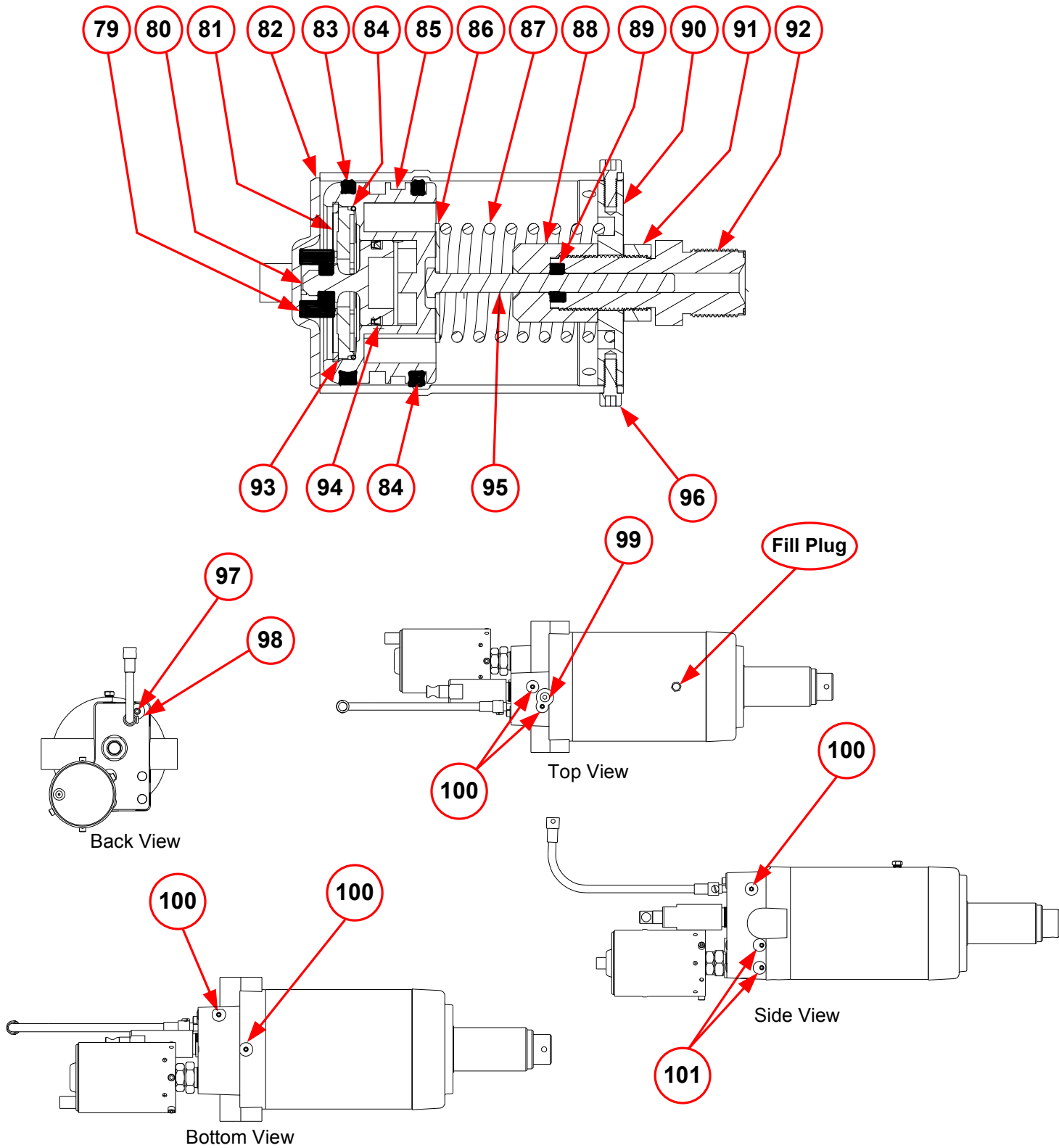
8877-01005



Note 1: Jack is VERY fluid sensitive – too much or too little may cause lifting issues.

Note 2: CAUTION! Do not use brake fluid or transmission fluid! The use of the wrong fluid can deteriorate the seals & corrossions problems will occur and will void any possible warranty.

Air Motor Subassembly

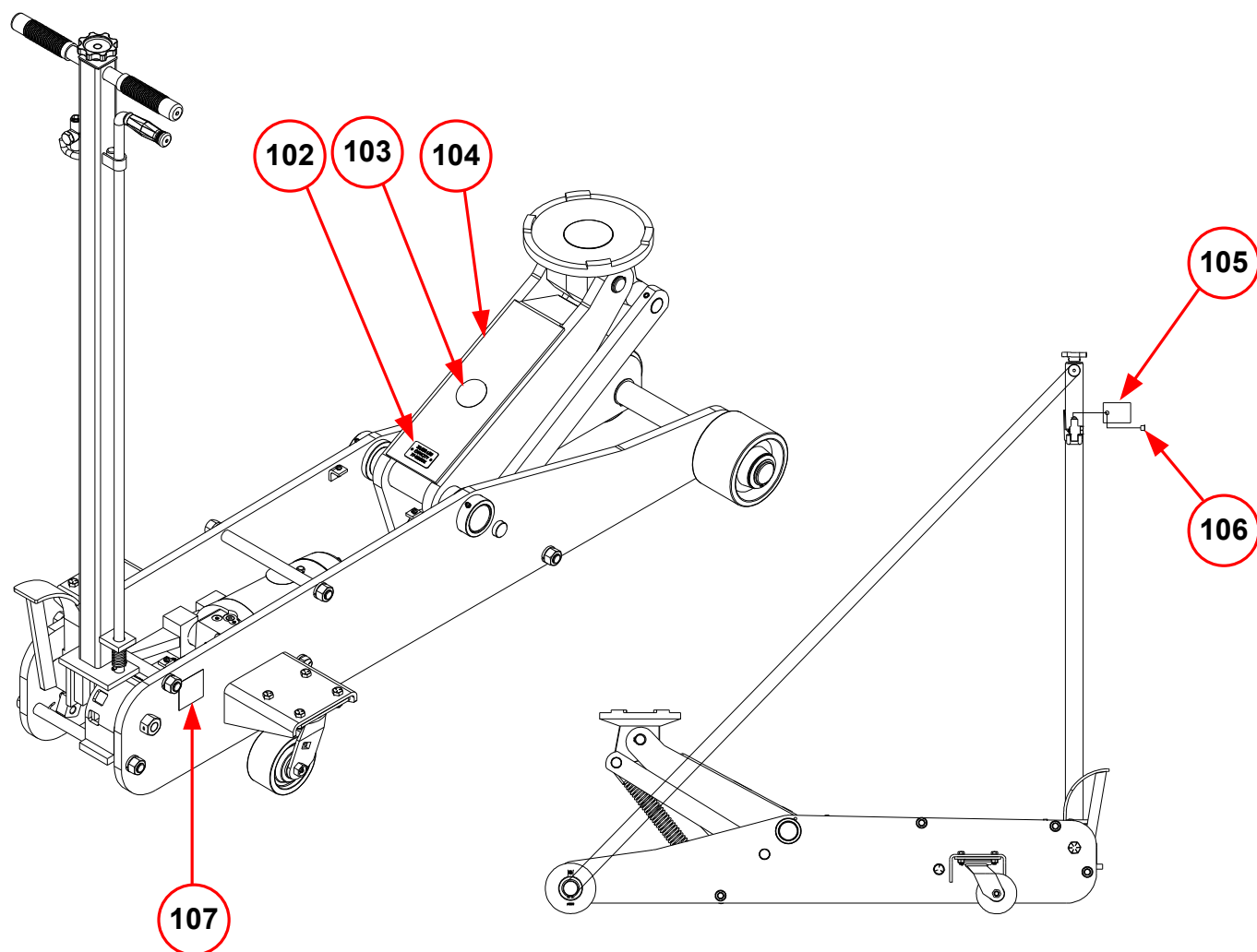


FSJ-200 Complete Power Unit

8877-01005

Item	Qty.	Part Number	Description	Kit
52	1	877-01009	Complete Air Motor	
53	1	353-49255	Plunger	
54	1	353-49257	Pump Housing	
55	1	390-10084	Seal, 5/8 OD x 3/8 ID x 1/4"	~
56	2	390-10085	Back Up Ring, 15/16 x 3/4 x .040 Thick	~
57	1	N/A	Hydraulic Block ***sold in complete power unit only***	
58	2	390-02015	O'Ring, 5 ID x 5 1/4 OD x 1/8	~
59	1	N/A	Hydraulic Cylinder ***sold in complete power unit only***	
60	1	N/A	Reservoir Tube ***sold in complete power unit only***	
61	1	353-42029	Piston Rod, Machined	
62	1	275-20009	Pipe Plug, 1/8" External Hex	
63	1	353-43045	End Cap	
64	1	390-01063	Quad Seal, 2 ID x 2 3/8" OD x 3/16 CS	~
65	1	390-11149	Rod Wiper, 2 x 2.375	~
66	1	390-11105	Back Up Ring, 3 3/4" x 3 3/8" x .055 Thick	~
67	1	390-11104	Seal, 2 1/2" OD x 3 1/4" OD x 3/8"	~
68	1	353-49010	Magnet, 1/8" Dia., x 7/16" Long	
69	1	353-49279	Release Stem	
70	1	390-00007	O'Ring, 7/16 OD x 5/16 ID	~
71	2	274-34001	Plug, Straight Thread, Recessed Socket, With O'Ring	
72	2	233-12002	Compression Spring, .406 Dia.	
73	2	236-00006	Ball, 3/8 Dia., Stainless Steel	
74	2	233-10007	Compression Spring, .250 OD	
75	2	236-00005	Ball, 1/4" Dia., Stainless Steel	
76	1	353-49162	Check Valve Spacer	
77	1	877-04006	Flex Shaft	
78	1	202-00803	Screw, Pan Head, 5/8" Long	
79	1	315-00002	Seal, Shuttle Valve	~
80	1	310-40004	Air Shuttle Piston, Injection Molded	
81	1	230-06001	Retaining Ring, Internal, 2 1/8" Dia.	
82	1	310-11033	Air Motor cylinder Weldment	
83	2	390-02010	Quad Ring, 3" OD x 2 5/8" ID x 3/16	~
84	1	390-01061	O'Ring, 2 1/4 x 1/16 x 2 1/8	~
85	1	310-41017	Piston, Air Motor, Inj. Molded	
86	1	204-01106	Washer, 1.750 x .320 x .064	
87	1	233-15003	Spring, Compression, 1 3/4" OD	
88	1	390-10083	Seal, .277 ID x .528 OD x .188	~
89	1	353-49258	Pump Housing Cap	
90	1	310-20032	Air Motor End Cap	
91	1	203-62004	Nut, Special, 13-16Un, .400 Long	
92	1	353-49254	Pump Housing	
93	1	310-91014	Piston Cap, Injection Molded	
94	1	390-10076	Seal, 1 1/4 OD x 1" ID x 1/8" Wide	~
95	1	353-49252	Pump Plunger	
96	4	201-00821	Capscrew, Socket Head, #10-32UNF, 1/2" long	
97	1	201-40019	Capscrew, Hex Socket Head, 10-32UNF 1/2" Long	
98	1	204-00807	Washer, Special .180 ID x .745 OD x .050 Thick	
99	1	274-32001	Plug, SAE #4 with O'Ring	
100	6	N/A	Hole, Plug, 5 mm Dia. Pull Type ***factory set**	
101	2	N/A	Hole Plug, 5 mm Dia. Pull Type, Long ***factory set***	

FSJ-200 Placards



Item	Qty.	Part Number	Description	Kit
102	1	N/A	Capacity Tag	*
103	1	N/A	Info Placard, Made in USA	*
104	1	N/A	Identification Placard, FSJ-200	*
105	1	N/A	Information Placard, Quick Coupler	*
106	1	680-00021	Closure, Plastic, Tapered, ¼ NPT Plug	
107	1	N/A	Information Placard, Multi-Language Notice	*

Available Kits

Item	Qty.	Part Number	Description	Kit
Pg. 6	1	8877-01003	Complete Soft Seal Kit (Hydraulic/Air)	~
Pg. 5	1	877-01009	Air Motor	
Pg. 4	1	8877-01005	Complete Power Unit (Hydraulic/Air Motor)	
Pg. 7	1	8877-01007	Complete Decal Kit	*
Pg. 1	1	877-01001	Complete Handle Subassembly	#

FSJ-200

Troubleshooting

PROBLEM: FAILS TO LIFT LOAD

Cause/Solution:

- Low oil level, see “ADDING HYDRAULIC FLUID”.
- Inadequate air pressure, requires MINIMUM 90 lbs. PSI. 175 lbs. PSI Recommended.
- Release valve open, turn release control knob clockwise until tight.
- Air line leaks, locate and correct leaks.
- Overloaded, use larger capacity jack.

PROBLEM: FAILS TO HOLD LOAD

Cause/Solutions:

- Release open, turn release knob clockwise until tight.
- Damaged flex shaft or release stem, replace flex shaft & release stem.

PROBLEM: AIR MOTOR WON'T RUN

Cause/Solution:

- Air line leaks, locate and correct leaks
- Air piston sticking or stuck, add air tool oil to air inlet to lubricate piston
- Air valve is worn. Replace air valve.
- Inadequate air pressure, requires 90-175 lbs. PSI to raise rated load.
- Air bubble in system, See Air Bleeding Procedures

PROBLEM: OIL LEAKS

Cause/Solution:

- Reservoir fill plug is loose, tighten fill plug
- Reservoir is overfilled. Oil will leak from the oil fill plug if the reservoir is overfilled. Remove excess oil.

FSJ-200 FLUID PROCEDURES

ADDING HYDRAULIC FLUID

- Remove the jack from service
- The lift arm must be in the fully lowered position and the jack must be on a level surface.
- Clean around the surface of the oil fill plug to prevent contamination of the hydraulic oil system.
- Remove the oil fill plug. Visually check the hydraulic oil level. The fluid should be visible & just covering the hydraulic cylinder (the large round part visible while looking through the oil fill plug hole.) If the fluid level is low, add a high-grade hydraulic fluid equivalent to Phillips 66 Megaflow™ AW HVI 22 so the oil level just covers the cylinder. CAUTION! Do not use brake fluid or transmission fluid! The use of the wrong fluid can deteriorate the seals & corrosion problems will occur and will void any possible warranty.
- Re-install the oil fill plug. Clean up any spilled oil and secure the top cover back onto the frame. Test the jack for normal operation.

If the lift pad still doesn't rise to proper height, repeat steps above, this time adding two more ounces of hydraulic oil. If this doesn't solve the problem, contact the customer service.

AIR BLEEDING PROCEDURES

- Remove the jack from service
- The lift arm must be in the fully lowered position and the jack must be on a level surface.
- Clean around the surface of the oil fill plug to prevent contamination of the hydraulic oil system.
- Remove the oil fill plug. Visually check the hydraulic oil level. The fluid should be visible & just covering the hydraulic cylinder (the large round part visible while looking through the oil fill plug hole.) If the fluid level is good take an **clean**, empty squeeze bottle (dish soap bottle will work). **Slowly** push in your air valve control (to avoid a hydraulic shower) at the same time give a pop of air from your squeeze bottle into the hydraulic reservoir. This will help push everything through the system & the motor should take right off.
- Re-install the oil fill plug. Clean up any spilled oil and secure the top cover back onto the frame. Test the jack for normal operation.

This jack is VERY fluid sensitive – too much or too little may cause lifting issues.

NOTES