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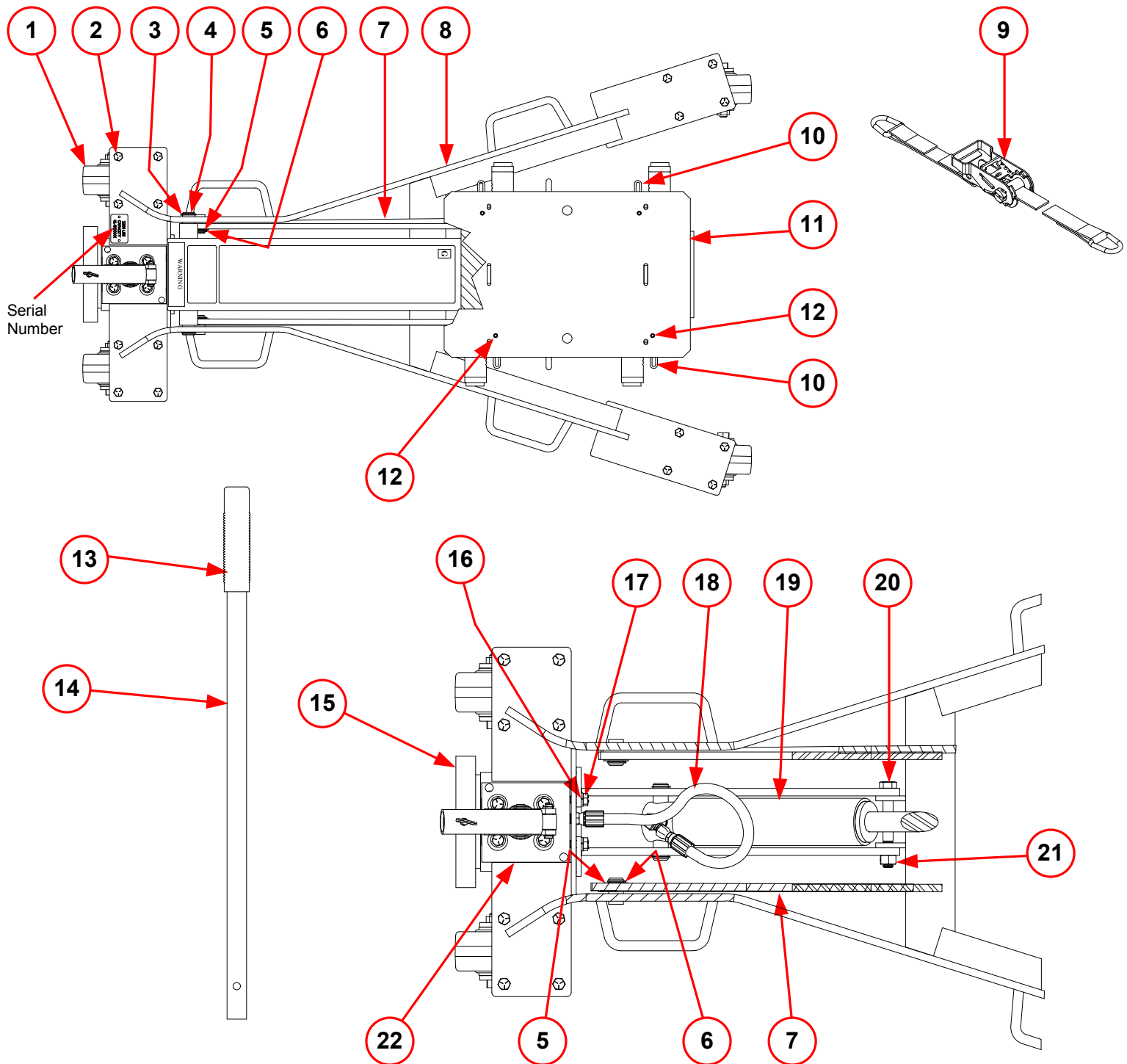
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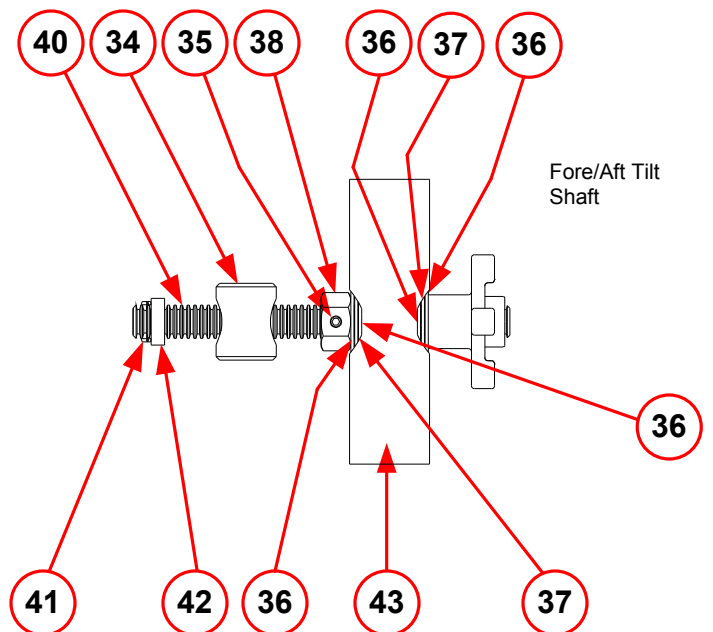
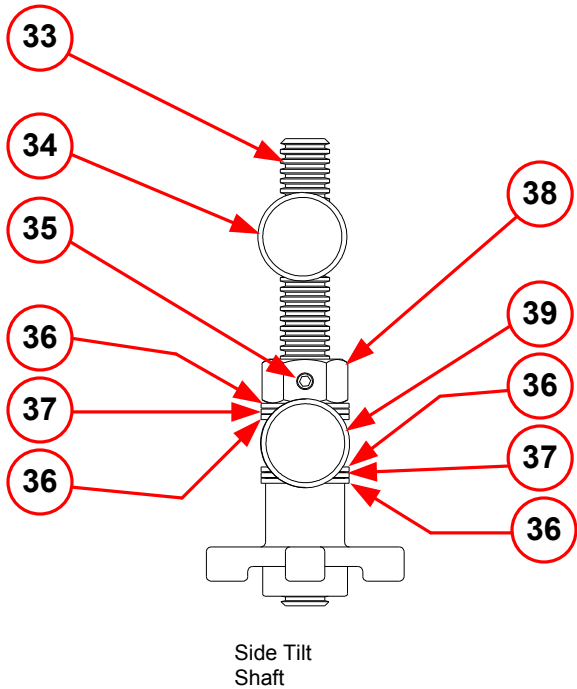
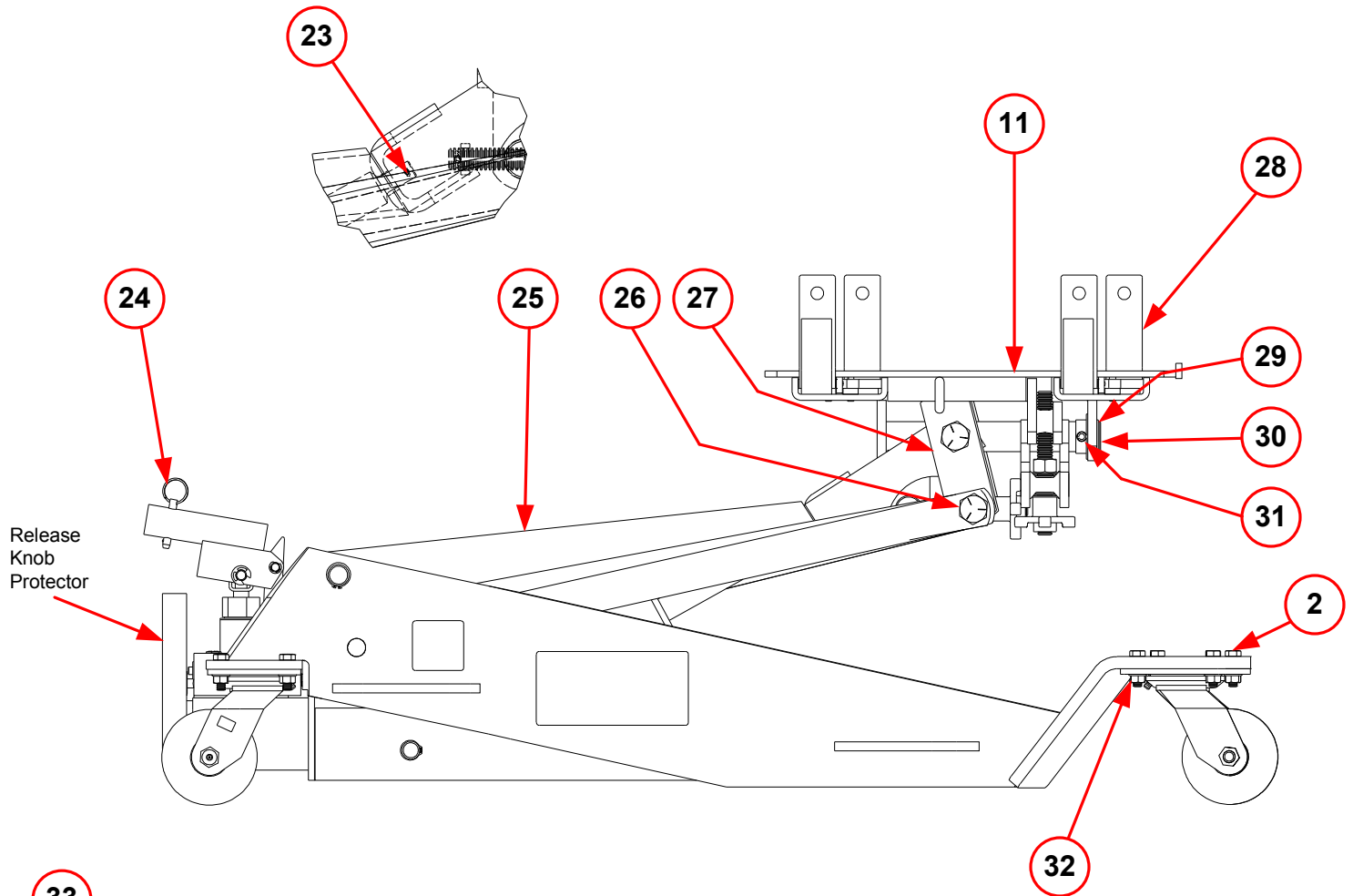
Parts List
MM-2000A w/ TCHS Kit
Heavy Duty Transmission Jack
With Truck component Handling system
S/N: 41-022136 & Above

SERIAL NUMBER REQUIRED ON ALL PARTS ORDERS

Final Assembly Parts List
841-00001



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Final Assembly Parts List

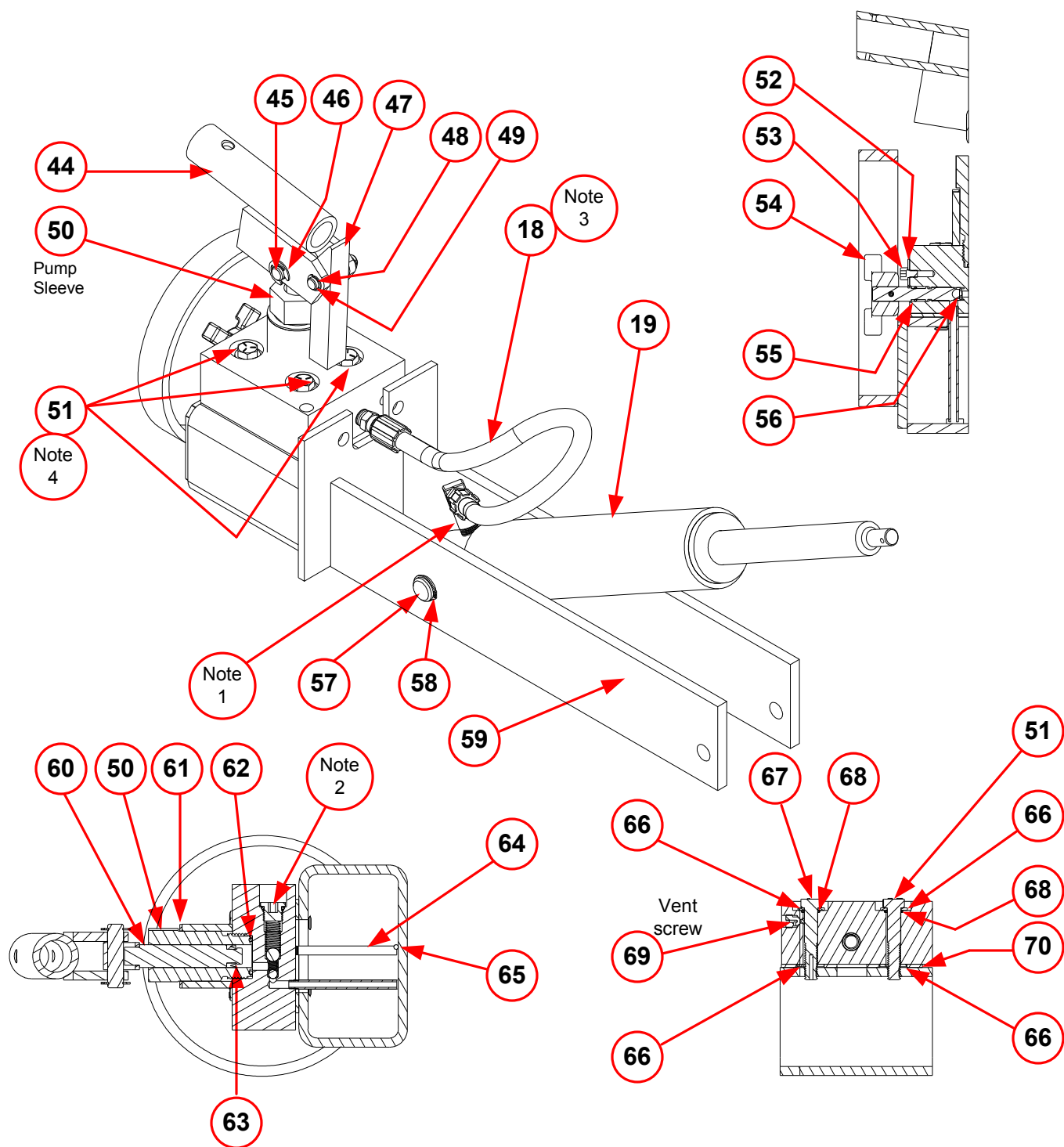
MM-2000

481-00001

Item	Qty.	Part Number	Description	Kit
1	4	480-11035	Caster, Swivel, Plate, 4" Dia. Cast Iron Wheel	
2	16	200-31207	Capscrew, Hex Head, 3/8-16UNC, 1 1/4" Long	
3	2	230-13002	Retaining Ring, External, 7/8" Dia.	
4	1	470-24005	Shaft, Grooved Ends, 7/8" Dia.	
5	2	204-01701	Washer, Flat, 3/4 x 18 Ga.	
6	2	230-12001	Retaining Ring, External, 3/4" Dia.	
7	2	828-04018	Leveling Link ***Special permissions to purchase**	
8	1	N/A	Frame Weldment	
9	1	237-00003	Tie Down Strap	
10	4	8841-01006	Ratchet Pawl Kit	+
11	1	N/A	Adapter Weldment (Head Plate) ***Special permissions to purchase**	
12	4	235-21003	Roll Pin, 1/4 Dia. X 1 1/4" Long	+
13	1	232-20114	Grip, Handle, 7/8 ID x 5" Long	
14	1	232-20089	Handle Tube, Drilled	
15	1	353-40136	Complete Power Unit Assembly ***See Page 4***	
16	2	204-11201	Washer, Lock, Split Type, 3/8	
17	2	200-31206	Capscrew, Hex Head, 3/8-16UNC, 1" Long	
18	1	271-42002	Hose, Hydraulic, 16" Long (Included in Complete Power Unit.)	
19	1	353-45002	Hydraulic Cylinder, (Included in Complete Power Unit) **closed assy.**	
20	1	200-31418	Capscrew, Hex Head, 1/2-13UNC, 4" Long	
21	1	203-01403	Nut, Hex, 1/2-13, Steel, Self Locking	
22	1	N/A	Hydraulic Block ***Not sold separately – must purchase power unit***	
23	1	235-00003	Cotter Pin, 1/8" Dia. X 1 1/4" Long	
24	1	232-10008	Quick Release Pin, 5/16" Dia.	
25	1	N/A	Lift Arm Weldment	
26	4	202-01703	Capscrew, Hex Head, 3/4-10UNC	
27	2	841-04004	Adapter Bracket Link	
28	4	8828-02020	Transmission Bracket Weldment 90°	
29	1	841-04001	Spacer, 1 3/8" OD x 1 1/4" ID	
30	1	8841-02003	Tilt Shaft Weldment	
31	1	235-22004	Roll Pin, 3/8 Dia., 2" Long	
32	16	203-01206	Nut, Hex, Flange Lock, 3/8-16UNC	
33	1	8841-02009	Tilt Shaft Weldment, Side Tilt (knob included)	
34	2	826-04078	Nut	
35	2	201-31003	Set Screw, 1/4-28 UNF, 1/4" Long	
36	8	440-31002	Bearing, Race, Thrust, Roller, 5/8" ID x 1 1/8" OD	
37	4	440-31001	Bearing, Thrust, Roller, 5/8" ID x 1 1/8" OD	
38	2	203-61604	Nut, Special, 5/8-8 ACME, Tapped	
39	1	841-04006	Trunnion, Side Tilt	
40	1	8841-02010	Tilt Shaft Weldment, Fore/Aft (knob included)	
41	1	235-21004	Roll Pin, 3/16" Dia. X 3/4" Long	
42	1	826-04095	Spacer, Short	
43	1	841-04005	Trunnion, Fore/Aft Tilt	

MM-2000 Power Unit

4" Block 353-40136



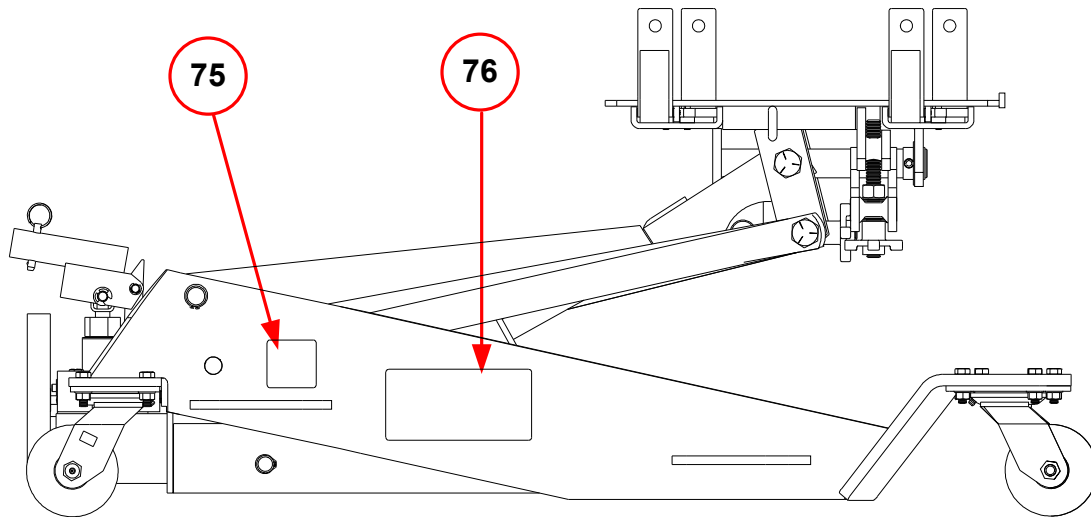
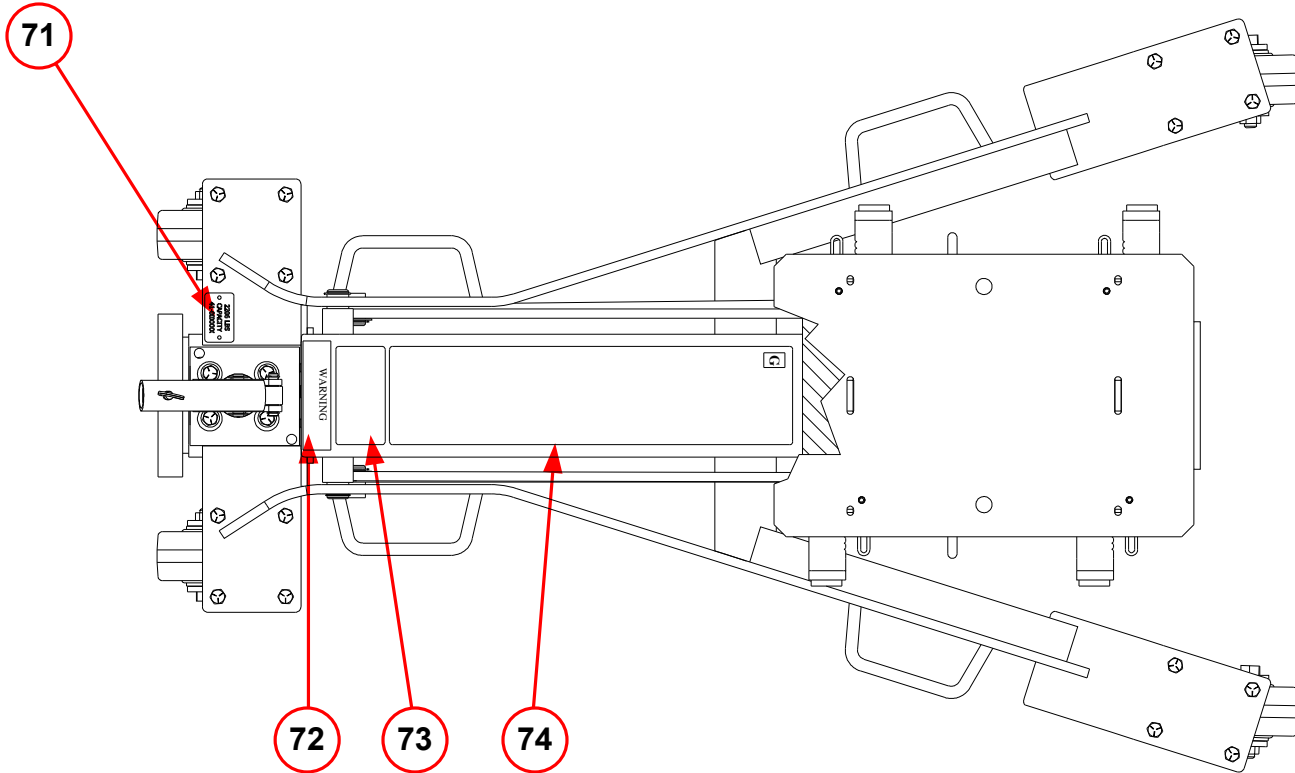
MM-2000 Power Unit w/ 4" Block 353-40136

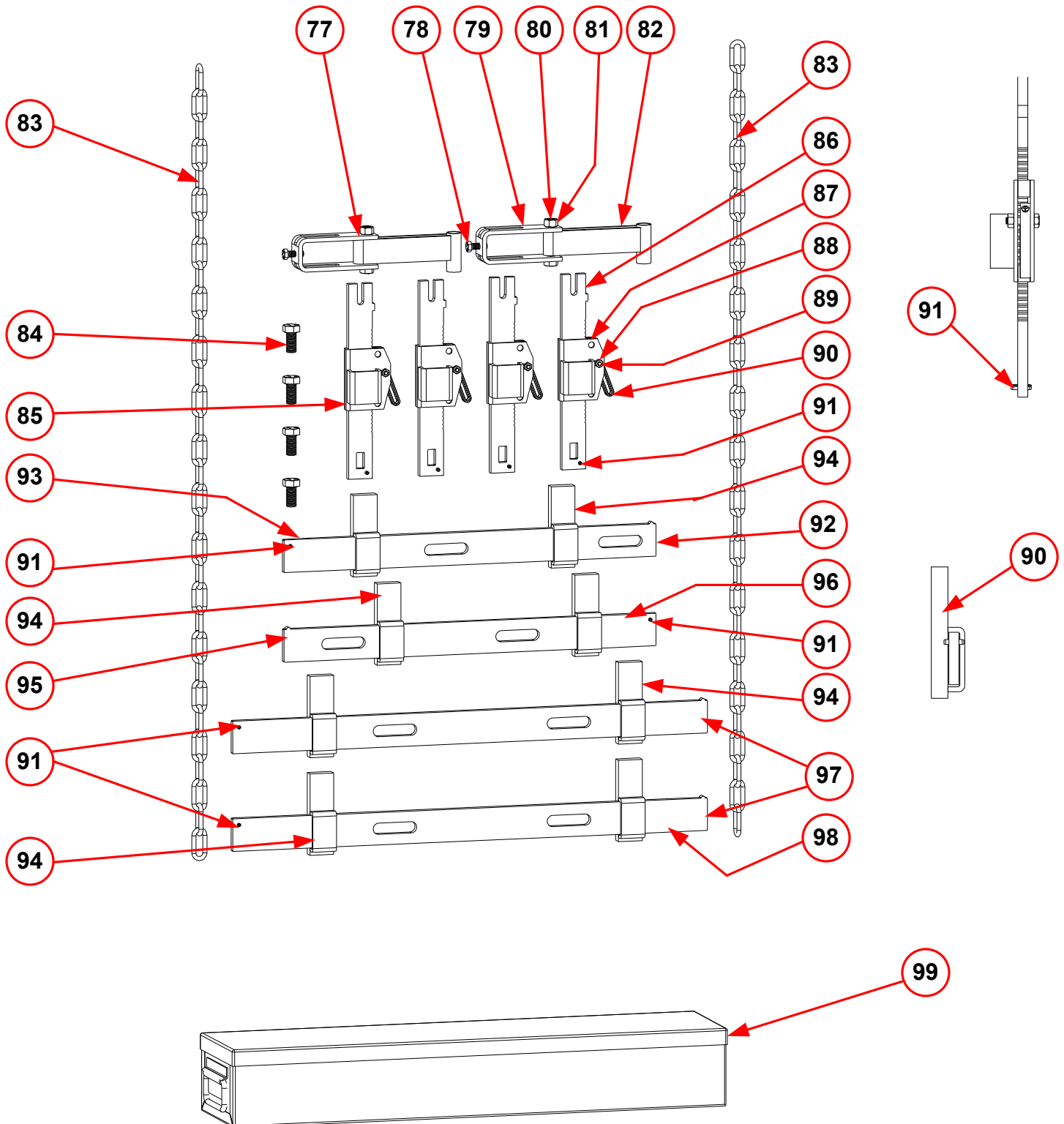
Item	Qty.	Part Number	Description	Kit
44	1	8841-02007	Handle Weldment	
45	1	470-21003	Shaft, Grooved Ends, 7/16" Dia.	
46	2	230-11000	Retaining Ring, External, 1/2" Dia.	
47	1	8828-02018	Handle Swivel Weldment	
48	2	230-11003	Retaining Ring, External, 3/8" Dia.	
49	1	470-20002	Shaft, Grooved Ends, 3/8" Dia.	
50	1	353-49139	Pump Sleeve	#
51	3	200-31210	Capscrew, Hex Head, 3/8-16UNC 2" Long	
52	1	204-00807	Washer, Special, .197 ID x .745 OD x .050 Thick	
53	1	201-00800	Capscrew, Socket Head, .250" Long	
54	1	353-49120	Release Knob Subassembly	^
55	1	390-00002	O'Ring 3/8 OD x 1/4 ID	~, ^
56	2	236-00005	Ball, 1/4" Dia. Stainless Steel	
57	1	470-23023	Shaft, 3/4" Dia., Grooved Ends	
58	2	230-12001	Retaining Ring, External, 3/4" Dia.	
59	1	N/A	Reservoir Weldment	
60	1	353-49174	Plunger Weldment	#
61	1	204-02202	Washer, Narrow Rim, 1 3/4" OD x 1 3/8" x .059 Thick	~, #
62	1	390-00085	O'Ring, 1 x 13/16 x 3/32	~, #
63	1	390-10010	Seal, 5/8 x 3/8 x 1/4 Deep	~, #
64	2	353-49140	Suction Tube	
65	1	353-49010	Magnet, 1/8 Dia., x 7/16 Long	
66	8	204-01206	Washer, Special, .391 ID x .741 OD	
67	1	202-01221	Capscrew, Special, 3/8 – 16 x 2, Drilled	
68	4	390-00023	O'Ring, 3/8 x 1/16 x 1/2	
69	1	353-49150	Vent Screw	
70	1	390-21002	Gasket	~
71	1	N/A	Capacity Tag MM-2000A – Serial Number Tag	
72	1	N/A	Info. Placard, Warning, Tilt Shaft	*
73	1	N/A	Info Placard, 2206 Lb. Capacity	*
74	1	N/A	Info Placard, Operation Instructions, MM-2000	*
75	1	N/A	Information Placard, Multi-Language	*
76	1	N/A	Identification Placard, MM-2000	*

Available Kits

Item	Qty.	Part Number	Description	Kit
Pg. 4	1	8841-01004	Pump Seal Kit (Includes Gasket)	~
Pg. 4	1	8841-01005	Pump Plunger Kit	#
Pg. 4	1	8848-01010	Release Knob & O'Ring	^
Pg. 1	1	8841-01006	Ratchet Pawl Kit (Jack Requires 4)	+
Pg. 6	1	8841-01017	Complete Decal Kit	*
Pg. 4	1	353-40136	Complete Power Unit	

MM-2000 Placards





TCHS Kit Parts List

Item	Qty.	Part Number	Description	Kit
77	2	8828-01013	Bolt Circle Adapter Subassembly (items 78-82)	
78	2	200-31206	Capscrew, Hex Head, 3/8-16UNC, 1" Long	
79	2	828-04085	Slide Bracket	
80	2	200-31412	Capscrew, Hex Head, 1/2-13UNC, 2 1/2" Long	
81	2	203-01400	Nut, Hex, 1/2-13UNC	
82	2	8828-02028	Bracket Arm Weldment	
83	2	234-39013	Chain, Coil, 5/0, 30 Links, Steel	
84	4	200-31607	Capscrew, Hex Head, 5/8-11UNC, 1 1/4" Long	
85	4	8828-01021	Adjustable Bracket Subassembly (items 86-89)	
86	4	828-04081	Bracket, Special, Notched, MM-2000	
87	4	8828-02027	Adjustable Bracket Weldment	
88	4	203-01005	Nut, Hex, 1/4-20 UNC, Self Locking	
89	4	202-01009	Capscrew, Special, 1/4-20UNC, 1.030" Long	
90	4	8848-01008	Ratchet Pawl Assembly	
91	8	235-21004	Roll Pin, 3/16 Dia. X 3/4" Long	
92	1	8828-01015	Support Bar Subassembly, R.H. (items 91,93, & x2 of 94)	
93	1	828-04087	Support Bar, R.H. only	
94	8	8828-02022	Slide Adjustment	
95	1	8828-01014	Support Bar Subassembly, L.H. (items 91,96, & x2 of 94)	
96	1	828-04086	Support Bar, L.H. only	
97	2	8828-01008	Universal Adapter Support Bar Assembly, Long (items 91, 94, 98)	
98	2	828-04074	Support Bar Notched, Long	
99	1	841-04036	Tool Box	

MM-2000

Troubleshooting

PROBLEM: FAILS TO LIFT LOAD

Cause/Solution:

- Low oil level, see “ADDING HYDRAULIC FLUID”.
- Release valve open, turn release control knob clockwise until tight.
- Check ball behind release stem is not seating or has fallen out. Remove, clean & re-seat. If missing replace check ball.
- Overloaded, use larger capacity jack.

PROBLEM: FAILS TO HOLD LOAD

Cause/Solutions:

- Release open, turn release knob clockwise until tight.
- Check ball behind release stem is not seating or has fallen out. Remove, clean & re-seat. If missing replace check ball.

PROBLEM: AIR MOTOR WON'T RUN

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.

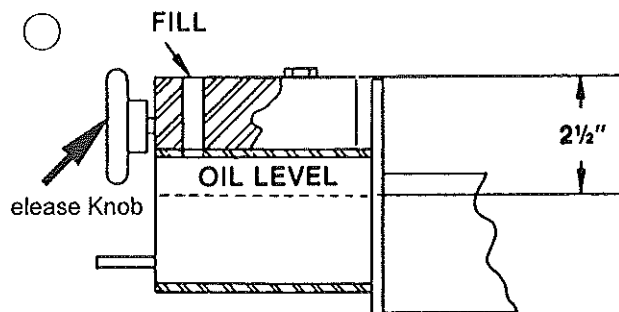
Notes

MM-2000 FLUID PROCEDURES & Priming Instructions

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.
Open hydraulic reservoir vent screw one turn clockwise.
- Clean around the surface of the oil fill plug to prevent contamination of the hydraulic oil system.
- Remove the oil fill plug (any of the 4 screws on top of the hydraulic block.) Measure hydraulic oil level with a dip stick. If the fluid level is below 2 ½" add Tellus T22 or equivalent hydraulic fluid to reservoir through the fill hole until 2 ½" shows on the dip stick. If excess fluid is added the reservoir will expel itself through the reservoir vent as the jack is used. **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.



CAUTION

Do not back out release knob more than 3 full turns. More than 3 turns may result in loss of 1/4" ball and hydraulic oil.

670-10076

Priming Instructions

Sometimes during the shipment this jack may be put in such a position that it can lose its prime. If when first opening the handle operates freely with no resistance and the jack will not elevate, the following priming instructions should be followed.

- Open release knob 3 full turns.
- Grab lifting platform, raise to full height and push back down. Do this two or three times.
- Close release knob and pump jack to full height and then release.

The jack should now be fully primed.