



OPERATING INSTRUCTIONS & PARTS LIST

HYDRAULIC FLOOR JACK

MODEL 3Z353A

6-7-78

FORM
5S1648

DAYTON ELECTRIC MANUFACTURING CO. CHICAGO 60648

0377/192/15C
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ATTENTION: READ CAREFULLY BEFORE ATTEMPTING TO OPERATE OR SERVICE YOUR DAYTON HYDRAULIC FLOOR JACK. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE! RETAIN FOR FUTURE REFERENCE.

Description

The Dayton Hydraulic Floor Jack is a heavy duty service unit designed for lifting vehicles, implements, machinery, etc. The unit comes equipped with overload safety valve, release valve, heavy steel side plates, malleable iron lift ram, ball bearing rear casters, and tubular twist handle.

Specifications

Maximum Load	3000 lbs. (1½ tons)
Ram Travel	16½"
Dimensions (chassis)	5½"H x 13¾"W x 26¾"L
Front Wheels	3½" dia.
Rear Casters	2" dia.
Weight (approx.)	90 lbs.



Figure 1 —
Hydraulic Floor Jack

General Safety Information

1. The Dayton Hydraulic Floor Jack is designed for lifting purposes only.
2. Always use garage stands to support the vehicle before making repairs under the vehicle.
3. Inspect the unit daily before operating.
4. The operator should not engage in any practice which will divert his attention while engaged in operating the jack.
5. Before using the jack, the operator should be certain that all personnel are clear of the immediate work area.
6. Unit capacity specified must not be overlooked; always use caution when operating near or at maximum rating.
7. Do not operate a damaged or malfunctioning jack until necessary adjustments or repairs have been made.
8. Do not leave a load suspended on the jack unattended.
9. Apart from routine or minor servicing of the hydraulic floor jack, it is strongly suggested that all other maintenance be performed by an authorized service station. (Contact Dayton Electric Mfg. Co. for location nearest you.)

Replacement Parts List

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	2-54471	Retaining Ring, 3/4"	4	39	2-53663	Saddle Swivel Pin	1
2	D-7226	Pump Piston Retainer	1	40	D-7244	Saddle	1
3	D-7261	Pump Piston Return Spring	1	41	D-7254	Retaining Ring, 1/2"	4
4	D-7225	Piston Cover Cup	1	42	D-7245	Saddle Shaft	1
5	D-7224	Pump Cylinder	1	43	D-7243	Saddle Frame	1
6	D-2094-11	Backup Washer	2	44	2-53664	Retaining Ring, 1"	1
7	D-2099-11	"O" Ring	1	45	4-53333	Lift Arm	1
8	2-54621	Pump Piston	1	46	D-6012	Ram Return Spring	1
9	4-54629	Piston Assembly	1	47	2-54122	Lift Arm Link Rivet	2
10	4-54630	Piston Cylinder Assembly	1	48	D-7208	Spring Hook Post	1
11	19-12180	Release Screw Assembly	1	49	D-7406	Bridge Block	1
12	D-2099-7	"O" Ring	1	50	D-7409	Lift Arm Link	2
13	D-7296	Ball, 1/4" Dia.	1	51	D-6059	Handle Retaining Screw	1
14	10-13356	Filler Plug (old models only)	1	52	D-7455	Handle Socket	1
15	D-7401-A	Power Unit Casting	1	53	D-7217	Pump Driver Roller	1
16	D-2637	Ram Cup Nut	1	54	2-50830	Pump Drive Roller Pin	1
17	D-2636	Ram Cup Retainer	1	55	D-7258	Handle Socket Hinge Pin Bush.	2
18	D-2634-A	Ram Cup	1	56	D-7456	Handle Socket Hinge Pin	2
19	D-7437	Ram Cup Backup Washer	1	57	D-6033	Jam Nut, 7/16-14"	2
20	D-2635-A	Ram Spacer	1	58	D-7479	Hex Capscrew, 9/16-18 x 1-1/4"	4
21	D-7405	Ram	1	59	7482	Lockwasher	4
22	SA-7405	Ram Assembly	1	60	10-12100	Caster Assembly	2
23	D-2001	Filler Screw	1	61	2-53180	Caster Bracket	2
24	D-2015	Filler Screw Washer	1	62	D-7441	Jam Nut, 5/8-18"	2
25	D-7413	Ram Cylinder	1	63	D-7440	Lockwasher, 5/8"	2
26	4-50457	Reservoir	1	64	D-6057	Hinge Retaining Rivet	2
27	2-50025	"O" Ring	1	65	D-7439	Lift Arm Hinge Pin	1
28	D-7402	Reservoir Head	1	66	D-6053	Stabilizer Arm Rivet	2
29	19-13322	Upper Handle Section	1	67	D-7452	Stabilizer Arm	2
30	D-5091-A	Bolt	1	68	D-7451	Tie Rod	1
31	4-50799	Lower Handle Section	1	69	D-6027	Lockwasher	2
32	D-5073	Handle Insert	1	70	D-2237	Jam Nut, 3/8-24"	2
33	D-850	Handle Assembly	1	71	D-7447	Stabilizer Shaft	1
34	D-5092	Lockwasher	1	72	D-7450	Front Axle	1
35	D-5098	Nut	1	73	SA-7460L	Side Plate	1
36	D-5053	Retaining Pin (old models only)	1	74	2-54315	Front Wheel	2
37	10-10703	Roll Pin	1	75	SA-7460-R	Side Plate	1
38	4-50799	Lower Handle Assembly	1	76	D-6078	Socket Head Screw	1
				—	5-51810	Hydraulic Jack Oil, 1 pint	

HOW TO ORDER REPLACEMENT PARTS

Please Provide following information:

- Model Number
- Serial Number (if any)
- Part Description and Number as shown in Parts List.

Address order to:
Dayton Electric Mfg. Co.
CUSTOMER SERVICE DEPT.
 5959 W. Howard St.
 Chicago, Illinois 60648

Operation

NOTE: Upon receiving the hydraulic floor jack, open the release valve by turning handle assembly (Ref. No. 33) counterclockwise and pump the handle several times. This will eliminate any "airbound" condition that may have occurred during shipment.

1. Place the jack under the load.

WARNING: Load is not to exceed 3000 lbs. (1½ tons)!

2. To raise the jack:
 - a. Close the release valve by turning handle assembly (Ref. No. 33) clockwise.
 - b. Pump handle assembly up and down.

CAUTION: This jack is designed for lifting purposes only. Always use garage stands to support the equipment being repaired BEFORE getting under the load.

3. To lower the jack, simply turn handle assembly counterclockwise.

Maintenance

IMPORTANT: Apart from routine or minor servicing of the unit, it is strongly suggested that all other maintenance be performed by an authorized service station. Contact Dayton Electric Mfg. Co. for location nearest you.

Keep all exterior moving parts well lubricated to prevent rust and excessive wear. Use SAE 20W oil or its equivalent for this purpose.

To check for proper level of hydraulic jack oil, proceed as follows:

1. Lower lift arm (Ref. No. 45) to the down position.
2. Remove filler screw (Ref. No. 23). If the oil level is below the filler screw opening, add oil until the level is brought up to the opening.

WARNING: Use hydraulic jack oil only (Part No. 5-51810)! DO NOT USE HYDRAULIC BRAKE OR SHOCK ABSORBER FLUID, ALCOHOL, KEROSENE OR OTHER DELETERIOUS FLUIDS.

Trouble Shooting Chart

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Unit fails to operate (load not engaged).	<ol style="list-style-type: none"> 1. Release valve not closed. 2. Unit is "airbound". 3. Too much oil. 4. Worn or damaged parts. 	<ol style="list-style-type: none"> 1. Close release valve by turning handle assembly (Ref. No. 33) clockwise. 2. See "NOTE" under Operation. 3. Lower to filler screw (Ref. No. 23) level. 4. Replace.
Unit fails to lift load.	<ol style="list-style-type: none"> 1. Unit is "airbound". 2. Lack of oil. 3. Load exceeds capacity of unit. 4. Worn or damaged parts. 	<ol style="list-style-type: none"> 1. See "NOTE" under Operation. 2. With lifting arm in the down position, fill to filler screw (Ref. No. 23) level. See Maintenance. 3. Don't attempt to lift a load beyond the capacity specified. 4. Replace.

LIMITED WARRANTY

Dayton Hydraulic Floor Jacks are warranted by Dayton Electric Mfg. Co. (Dayton) to the original user against defects in workmanship or materials under normal use (rental use excluded), for 90 days after date of purchase. Any part which is determined to be defective in material or workmanship and returned to an authorized service location, as Dayton designates, shipping costs prepaid, will be repaired or replaced at Dayton's option. For warranty claim procedures, see "Prompt Disposition" below. This warranty gives purchasers specific legal rights, and purchasers may also have other rights which vary from state to state.

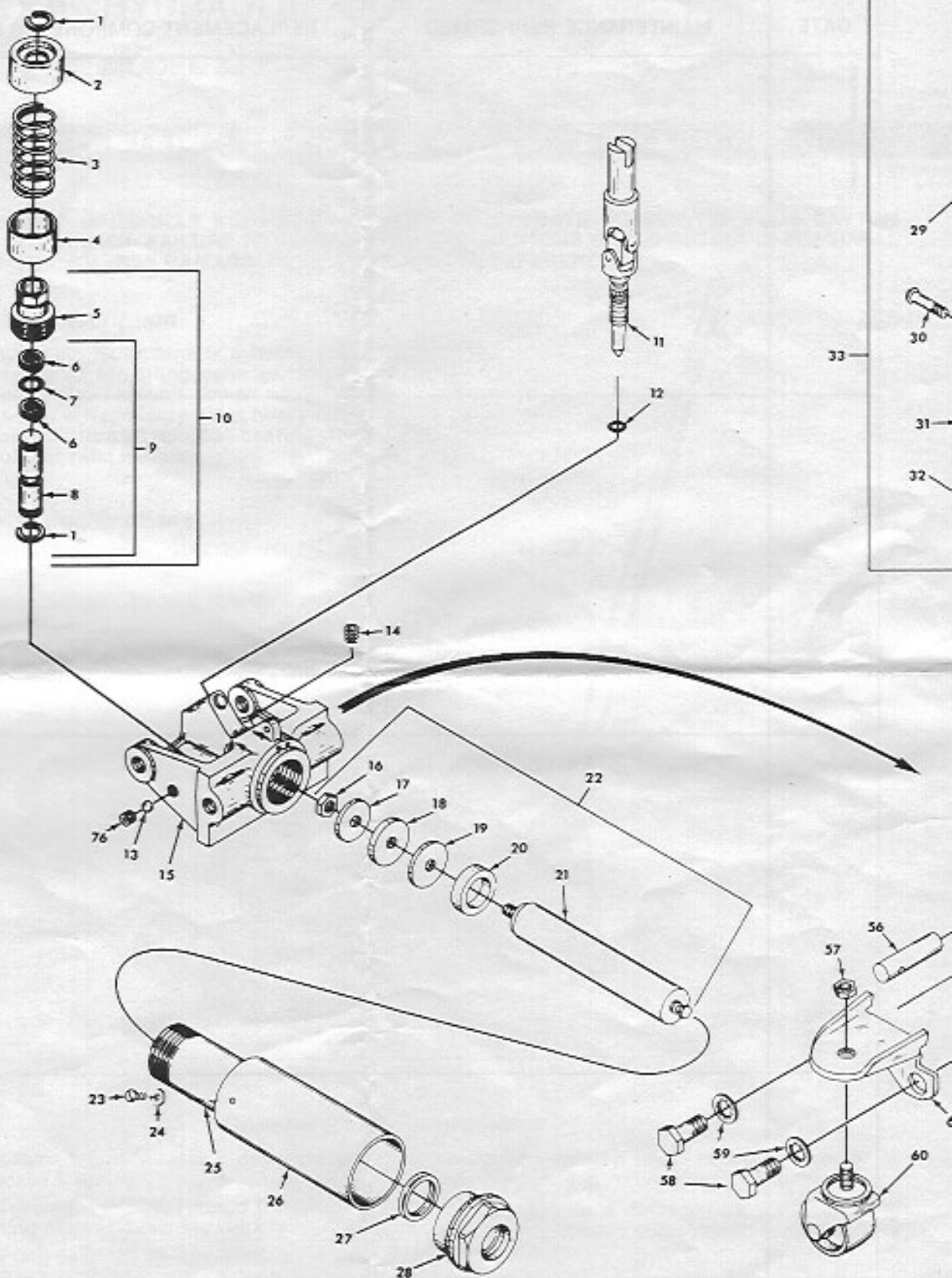
WARRANTY DISCLAIMER. Dayton has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions.

Except as provided below, no warranty or affirmation of fact, express or implied, other than as stated in "LIMITED WARRANTY" above is made or authorized by Dayton, and Dayton's liability in all events is limited to the purchase price paid.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

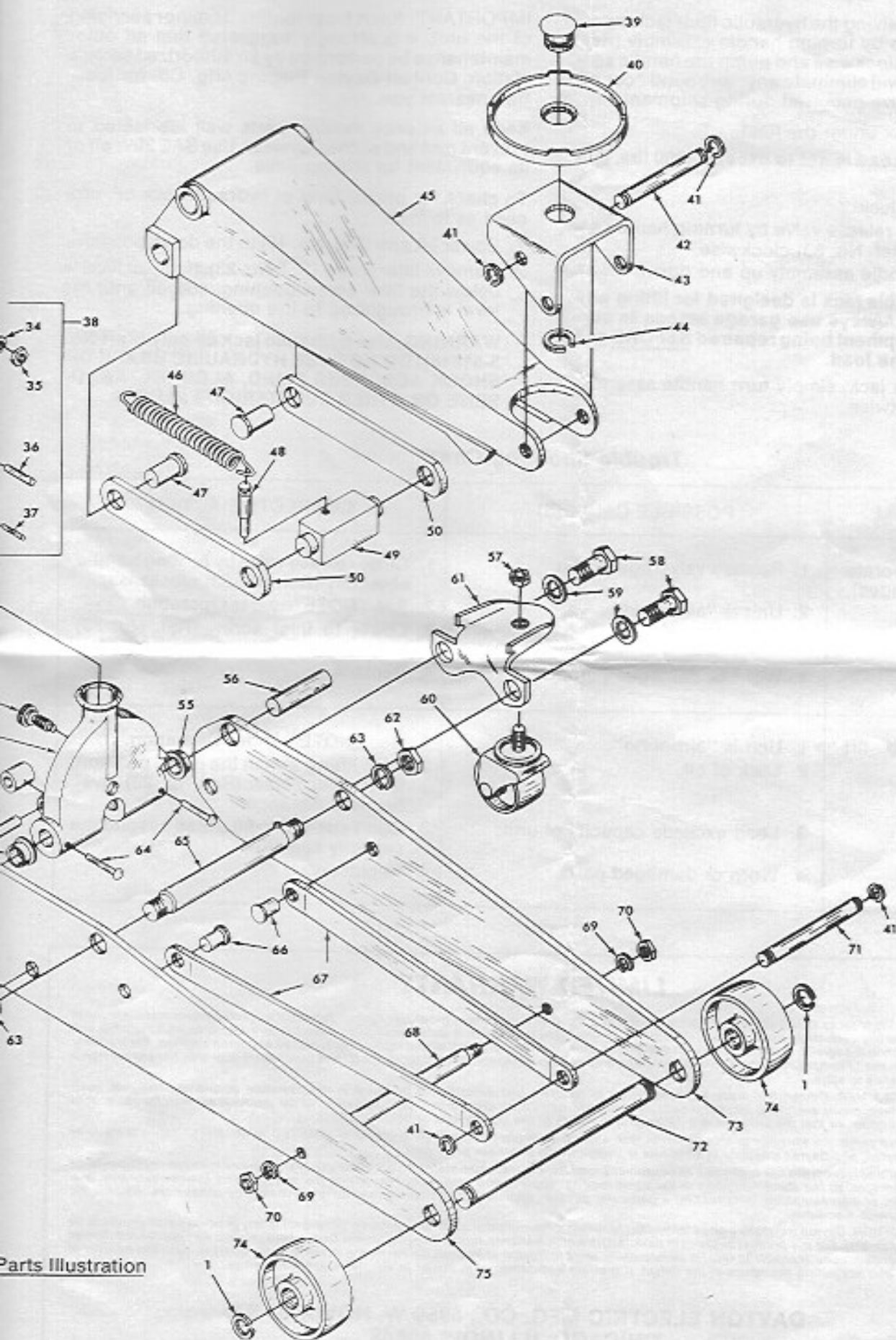
PROMPT DISPOSITION. Dayton will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within warranty. For any product believed to be defective within warranty, first write or call dealer from whom product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date and number of dealer's invoice, and describing the nature of the defect. If product was damaged in transit to you, file claim with carrier.

**DAYTON ELECTRIC MFG. CO., 5959 W. HOWARD ST.
CHICAGO, ILLINOIS 60648**



NOTE: Upon reassembly of the unit, the filler screw (Ref. No. 23) must be positioned 41° to 51° radially from vertical.

Figure 2 — Replace



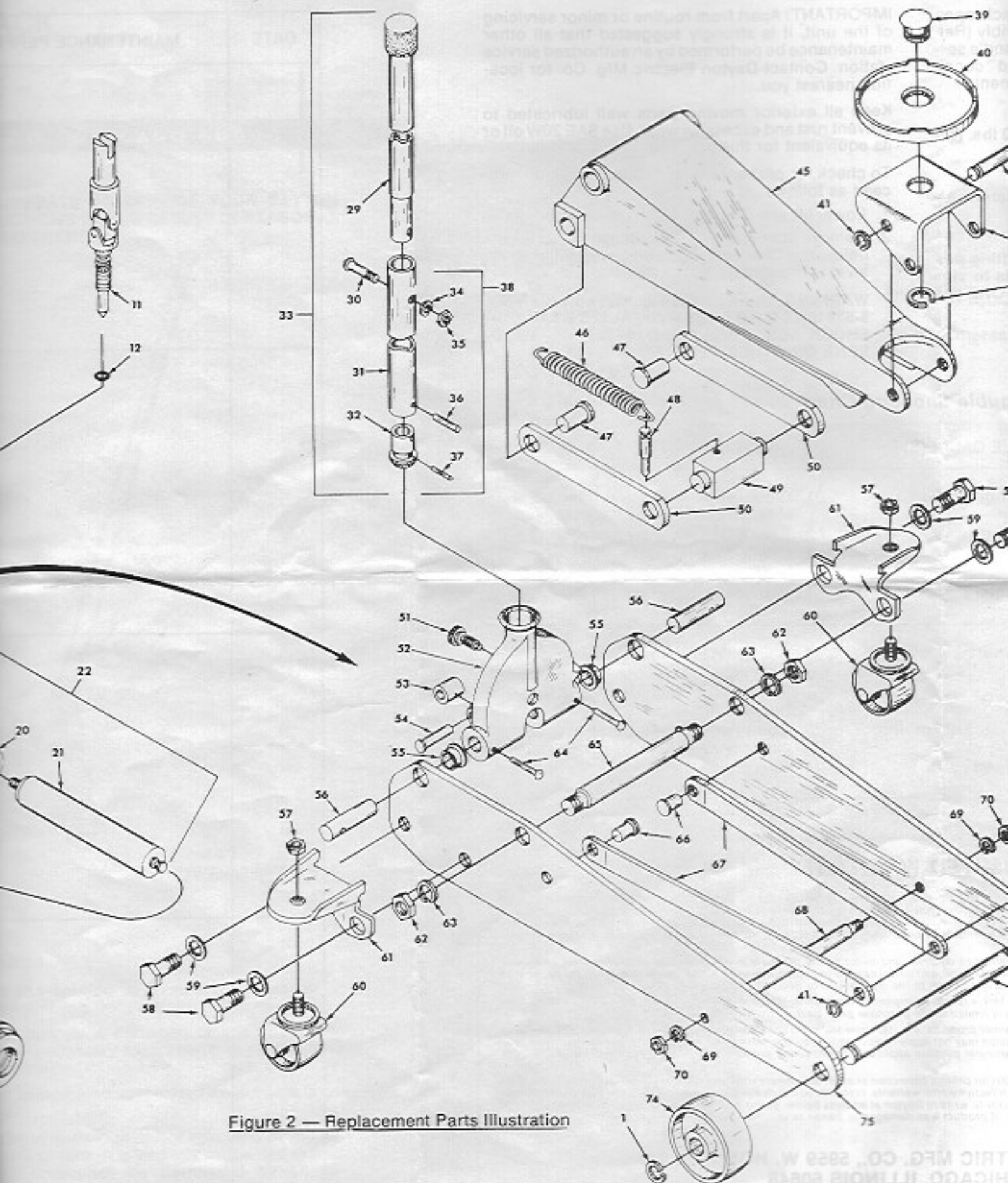


Figure 2 — Replacement Parts Illustration