

BLACKHAWK LIFTING EQUIPMENT

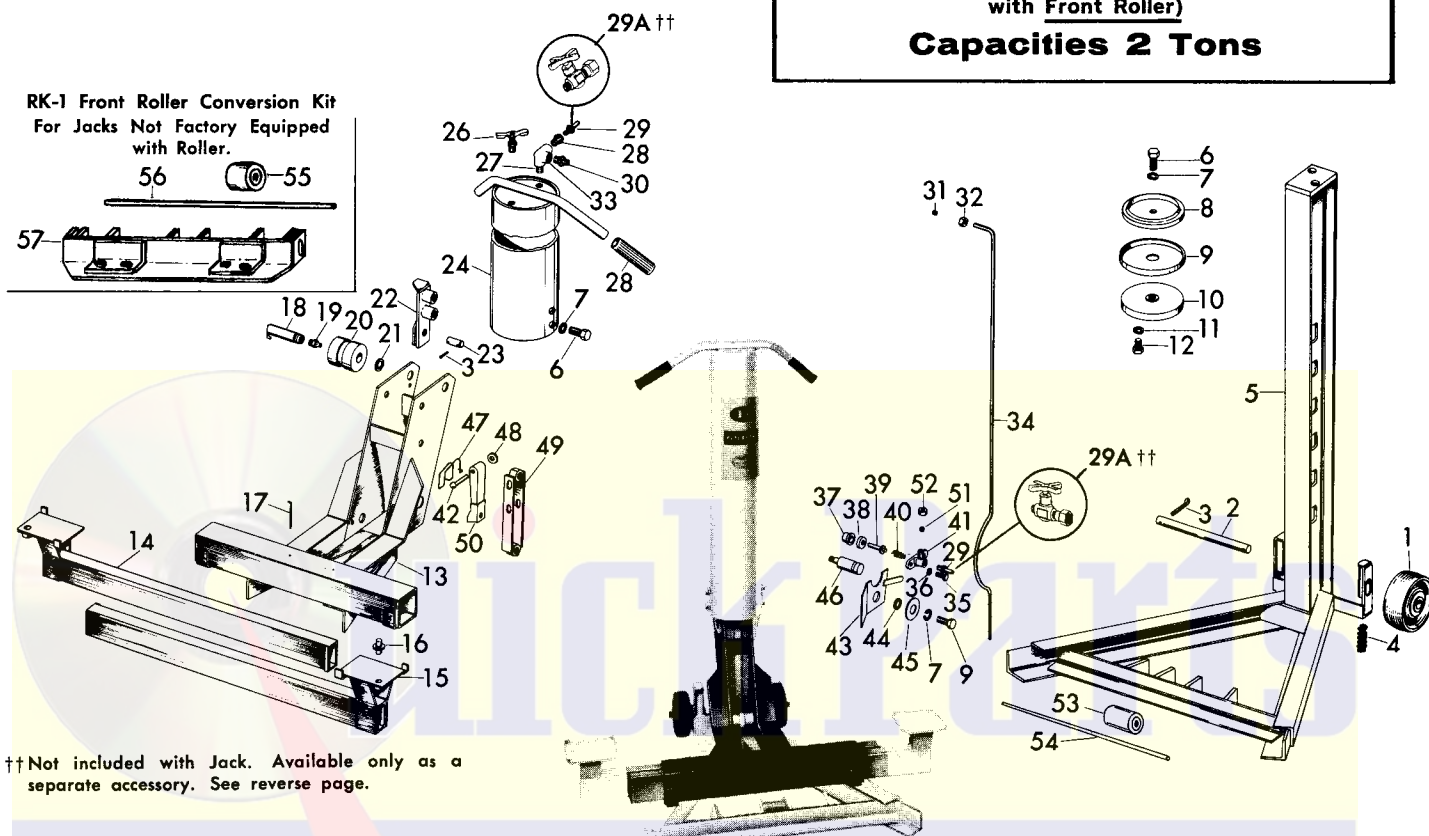
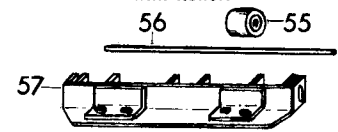
instructions & repair parts

MODEL SJ-61
AIR-OPERATED ONE-END LIFT
and

MODEL SJ-61-A
AIR-OPERATED ONE-END LIFT
(Serial Numbers having "A" prefix and
with Front Roller)

Capacities 2 Tons

RK-1 Front Roller Conversion Kit
For Jacks Not Factory Equipped
with Roller.



OPERATING INSTRUCTIONS

POSITIONING JACK:

To move Jack, tilt on wheels by holding foot against axle. Adjust sliding arm supports under bumper as close as possible to the brackets which attach bumper to car. Pulling back on handle while shoving axle or wheels forward with foot will permit Jack to be easily positioned under bumper.

TO RAISE JACK:

Apply air to either top or bottom valve, item 29. Use air line with Standard air tire chuck. The mechanical safety lock will automatically lock Jack in consecutive raised positions. If Air Valve Conversion, item 29A, is used, Quick Disconnect Air Chuck can be left in position, and Jack raised by opening valve. Jack is stopped by closing valve.

TO LOWER JACK:

Release mechanical safety lock found protruding from side plate of carriage at bottom of cylinder. As this lock is connected in part with the air exhaust valve, the air will escape and the Jack will lower. To stop the lowering at a desired position, trip the lock plate — thus closing

the exhaust valve. If the Jack is resting on the mechanical safety lock it is necessary to apply air pressure before the lock can be released. Safety lock will automatically reset itself and air valve will automatically close when Jack is completely lowered.

WARNING:

Before lifting car, release brake and place shift in neutral so wheels are free to turn. Do not lift cars by weak, broken or faulty bumpers.

MAINTENANCE

Lubricate both roller pins weekly with a good grade of chassis grease. Daily put ¼ teaspoon of medium grade corrosion preventing lubrication oil into cylinder through valve found in head of cylinder. Occasionally put a few drops of oil on wheel bearings at both sides of each wheel. Wipe excess oil off wheel tires. As required oil or grease springs and sliding surfaces of spring suspension units at each end of axle. Occasionally check, and if necessary tighten all bolts and fastenings.

REPAIR PARTS LIST FOR SJ-61 AND SJ-61-A AIR-OPERATED ONE-END LIFTS

WHEN ORDERING PARTS INCLUDE BOTH MODEL AND
SERIAL NUMBER AS WELL AS PART NAME AND NUMBER

Item No.	Part No.	Description	No. Req
1	D589.106.....	Wheel	2
2	D588.104.....	Axle	1
* 3	D613.061.....	Pin	2
4	D590.183.....	Spring	2
5	D606.001.....	Frame	1
6	D612.028.....	Screw	7
7	D615.108.....	Washer	7
8	D635.043.....	Spreader (for SJ-61 only).....	1
8	D734.043.....	Spreader, 6" (for SJ-61-A only).....	1
* 9	D634.041.....	Cup (for SJ-61 only).....	1
* 9	D735.041.....	Cup, 6" (for SJ-61-A only).....	1
10	D633.040.....	Plunger-Disc (for SJ-61 only).....	1
10	D736.071.....	Plunger Disc, 6" (for SJ-61-A only).....	1
11	D615.108.....	Washer	2
12	D611.028.....	Screw	2
13	D600.103.....	Elevator	1
14	D605.103.....	Arm L.H.	1
15	D604.103.....	Arm R.H.	1
16	D599.061.....	Corvair Adaptor Pin	2
17	D591.061.....	Pin	2
18	D625.104.....	Shaft	2
19	D608.096.....	Fitting	2
20	D626.107.....	Roller	2
* 21	D597.044.....	Ring	1
22	D601.062.....	Link	2
23	D587.061.....	Pin	2
24	D607.030.....	Cylinder (for SJ-61 only).....	1
24	D737.030.....	Cylinder, 6" (for SJ-61-A only).....	1
25	AJ100.373.....	Grip	2
26	D602.188.....	Oiler	1
27	D618.096.....	Nipple	1
28	D619.096.....	Fitting	1
* 29	D609.165.....	Air Valve	2
†† 29A	V107.....	Air Valve Conversion for SJ61, SJ61A	1
30	D621.096.....	Fitting	1
31	D621.096.....	Fitting	1
32	D621.096.....	Fitting	1
33	D620.096.....	Fitting	1

Item No.	Part No.	Description	No. Req.
34	D636.268.....	Tube	1
35	D610.028.....	Screw	2
36	D617.108.....	Washer	2
37	D594.039.....	Bushing	1
* 38	D595.108.....	Washer	1
39	D593.040.....	Plunger	1
* 40	D596.183.....	Spring	1
41	D592.580.....	Body	1
42	D624.061.....	Pin	1
43	D630.157.....	Latch-Lock	1
44	D631.039.....	Bushing	1
45	D614.108.....	Washer	1
46	D629.135.....	Handle	1
* 47	D628.183.....	Spring	1
48	D598.108.....	Washer	1
49	D632.111.....	Bracket	1
50	D627.157.....	Lever	1
51	D623.039.....	Bushing	1
52	D622.055.....	Nut	1
53	D738.107.....	Roller (for SJ-61-A only).....	1
54	D739.104.....	Axle (for SJ-61-A only).....	1
†	SJ61.026.....	Decal (Identification)	1
†	SJ61.026B.....	Decal (Instruction)	1
RK-1 Front Roller Conversion Kit for SJ-61 only			
55	D738.107.....	Roller	1
56	D739.104.....	Axle	1
57	D740.111.....	Mounting Bracket	1

†Not Shown.

††To be used in place of item 29, D609.165 Air Valve, at either top or bottom location. Allows use of Quick-Disconnect Air Chuck or permanently attached Air Hose. Must be ordered separately as an accessory.

*For economy repair, use Jack/Saver Kit SJ61K-3.

Items included in this Kit are marked with asterisk *.

Jack/Saver Kit will fit both models.

Guarantee

Blackhawk guarantees its Lifting Equipment and Porto-Power Repair Tools against defects in workmanship and material for 90 days from date of delivery to the user. Only exception is chain, which follows the trade custom of its manufacturers and cannot be guaranteed.

When question of warranty arises, the user should send his unit to the nearest Blackhawk Franchised Service Depot for inspection, transportation to be prepaid and evidence of delivery date furnished. Contact Blackhawk Mfg. Co., Milwaukee, Wis., for list of Franchised Service Depots.

If the difficulty comes under the terms of our guarantee, the Franchised Service Depot will repair or replace parts affected and return prepaid. Our guarantee does not cover ordinary wear and tear, abuse, misuse, overloading, altered products or use of improper fluid.

Franchised Service Depots



For quality workmanship with genuine Blackhawk parts select a Franchised Blackhawk Service Depot for your repair work. Only repairs performed by a franchised service depot displaying this official franchise service depot sign are backed with full factory guarantee. The Classified Section in your Phone Book lists your nearest Franchised Service Depot.

BLACKHAWK MFG. CO.
MILWAUKEE 46, WISCONSIN

