

## repair parts

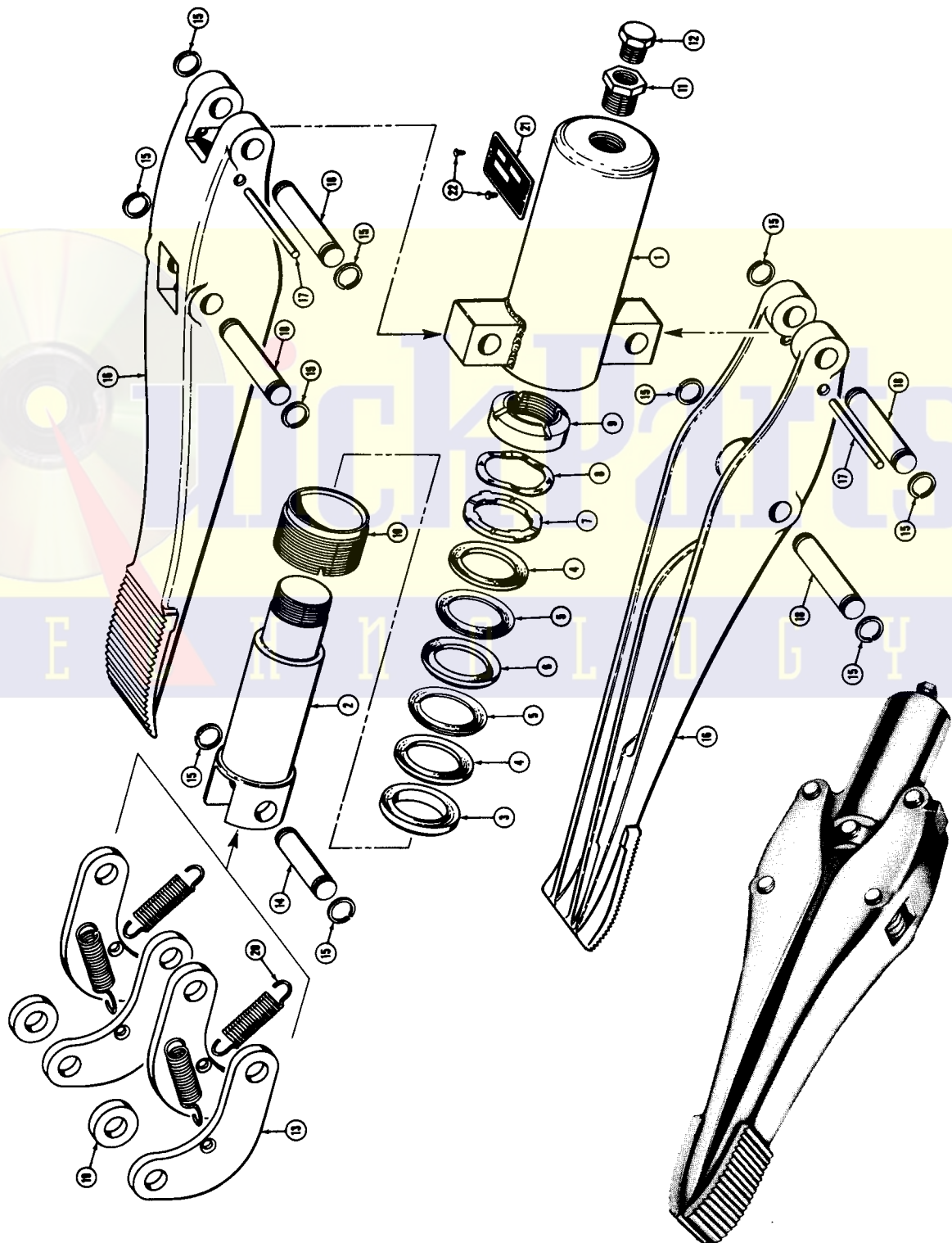
# BLACKHAWK®

**MODEL SA-7**  
**(R-590)**

## PORTO-POWER RAM

**RATED CAPACITY (AT TIPS) 1 TON**

**Supersedes Sheet 1090**



# REPAIR PARTS LIST FOR MODEL SA-7

Item No.	Part No.	Part Name	No. Req.
1	R590.900	Base .....	1
2	R590.40	Plunger .....	1
3	R159.71	Disc .....	1
* 4	R159.41	Plunger "V" Cup .....	2
* 5	R159.316	Cup Separator .....	2
* 6	B175.041	Plunger "V" Cup .....	1
7	R159.43	Spreader .....	1
8	R159.280	Spring Washer .....	1
* 9	R159.35	Retaining Nut .....	1
10	B627.044	Plunger Stop Ring .....	1
11	X23.343	1/4" to 3/8" Pipe Bushing ..	1

Item No.	Part No.	Part Name	No. Req.
12	BM1.245	1/4" Pipe Plug .....	1
13	Z1080	Link .....	4
14	Z1079	Plunger Pin .....	1
15	SJ18.545	Retaining Ring .....	10
16	Z1078	Spreader Arm .....	2
17	Z1082	Spring Anchor Pin .....	2
18	Z1084	Spreader Arm Pin .....	4
19	Z1083	Spacer .....	4
20	Z1081	Pull Spring .....	4
21	B155.026	Name Plate .....	1
22	W78.03	Drive Screw .....	2

\* For economy repair use Jack/Saver Kit R159K. Items included in Kit marked with an asterisk(\*).

**NOTE:** Orders for parts cannot be filled unless both model and serial number with prefix imprinted on nameplate are given.

## 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 sign are backed with full factory guarantee. The Classified Section in your Phone Book lists your nearest Franchised Service Depot.

## GUARANTEE

Blackhawk guarantees its Products against defects in workmanship and materials 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 purchased date furnished. 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.

PARTS, SERVICE INFORMATION AND THE ADMINISTRATION OF FRANCHISED SERVICE DEPOTS FOR BLACKHAWK PRODUCTS IS PROVIDED BY—

## BLACKHAWK SERVICE

MILWAUKEE, WISCONSIN 53246

DIVISION OF APPLIED POWER INDUSTRIES, INC.

Please direct all Service Correspondence to BLACKHAWK SERVICE