

INSTRUCTION MANUAL REPAIR PARTS LIST

10 TON PORTO-POWER KIT

MODEL B65115

WARNING

1. READ, STUDY, AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS FURNISHED WITH THIS EQUIPMENT BEFORE USE.
2. THIS EQUIPMENT IS DESIGNED FOR USE ONLY WITH BLACKHAWK BODY/FRAME EQUIPMENT AND ATTACHMENTS. USE WITH ANY OTHER EQUIPMENT MAY RESULT IN OVER-LOADING, REDUCED LOAD CAPACITY, REDUCED STABILITY, AND/OR SYSTEM FAILURE.
3. DO NOT OVERLOAD. OVERLOADING IS OFTEN INDICATED BY BOWING EXTENSION TUBES OR SLIPPING ATTACHMENTS AND CAN RESULT IN PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT.
4. MAINTAIN PROPER OIL LEVEL. OVERFILLING MAY CAUSE DAMAGE TO, OR FAILURE OF THIS EQUIPMENT.
5. WHEN OFFSET ATTACHMENTS ARE USED, THE RATED CAPACITY IS ALWAYS REDUCED BY 50%. FOR EACH EXTENSION TUBE USED IN THE SETUP, THE OVERALL RATED CAPACITY IS REDUCED AN ADDITIONAL 50%. REFER TO OPERATING INSTRUCTIONS PROVIDED FOR TYPICAL SETUPS AND CORRESPONDING LOAD CAPACITIES.
6. DO NOT OPEN FILLER SCREW FOR ANY REASON, UNLESS RAM IS FULLY RETRACTED.
7. DO NOT CONNECT PUMP TO ANY RAM THAT IS EXTENDED OR PARTIALLY EXTENDED.
8. PRIOR TO APPLYING A LOAD, INSURE THAT ALL ATTACHMENTS AND EXTENSION TUBES ARE FULLY ENGAGED.
9. INSURE LOAD IS CENTRALLY APPLIED TO ATTACHMENTS AND RAM SADDLE TO MINIMIZE AN OFF CENTER LOAD CONDITION.
10. BLACKHAWK RECOMMENDS THE USE OF A FORCE GAUGE TO VERIFY THE ACTUAL LOAD BEING APPLIED FOR VARIOUS TYPES OF SETUPS USED.
11. IT IS THE OWNER'S RESPONSIBILITY TO KEEP DECALS LEGIBLE AND INTACT. REPLACEMENT DECALS ARE AVAILABLE FROM AUTHORIZED SERVICE CENTERS OR THE FACTORY.
12. FAILURE TO HEED THESE WARNINGS MAY RESULT IN LOSS OF LOAD, DAMAGE TO EQUIPMENT AND/OR FAILURE RESULTING IN PROPERTY DAMAGE, PERSONAL OR FATAL INJURY.

OWNER'S RESPONSIBILITY

Operation. The owner and/or operator shall have an understanding of these operating instructions and warnings before operating this equipment. Warning information shall be emphasized and understood. If the user is not fluent in English, the instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Maintenance. This equipment shall be maintained in accordance with instructions listed under "Maintenance."

Inspection

1. Visual inspection shall be made before each use of this equipment checking for leaking hydraulic fluid, worn or damaged hose and fittings, and damaged or bent extension tubes or attachments.

2. Each piece of equipment shall be inspected by an authorized Blackhawk service center immediately, if subjected to an abnormal load or shock.

3. Owners and/or users should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that an annual inspection of this equipment be made by an authorized Blackhawk service center and that any defective parts, decals or warning labels be replaced with genuine Blackhawk parts. A list of authorized service centers is available from Blackhawk.

Damaged Equipment. Any equipment which appears to be damaged in any way, is found to be badly worn, or operates abnormally SHALL BE REMOVED FROM SERVICE until necessary repairs are made by an authorized Blackhawk service center.

MAINTENANCE

1. When the equipment is not in use, keep the ram retracted and the pump release valve closed.
2. Keep equipment clean. Lubricate moving parts on pump handle. Store in box when not in use. Avoid sharp kinks in hose.
3. If hydraulic fluid is required, refill at filler screw (Figure 1, item 10) only with genuine Blackhawk jack oil. Total Oil Capacity: 25 fluid ounces. Pump Useable Oil: 22 fluid ounces.

OPERATION

TROUBLESHOOTING

1. Occasionally during transit or storage, or through use, the pump or ram can become low on fluid, or air can be introduced into the system causing it to become "air-bound."
2. To bleed hydraulic system - place pump in a horizontal position and place ram so that the ram plunger is pointed downward (Figure 4). The ram and hose must be lower than the pump discharge port. Open release valve one full turn, and pump handle full stroke 10-12 times. Close release valve. Pump to extend ram plunger fully, then release. Repeat two or three times if required.

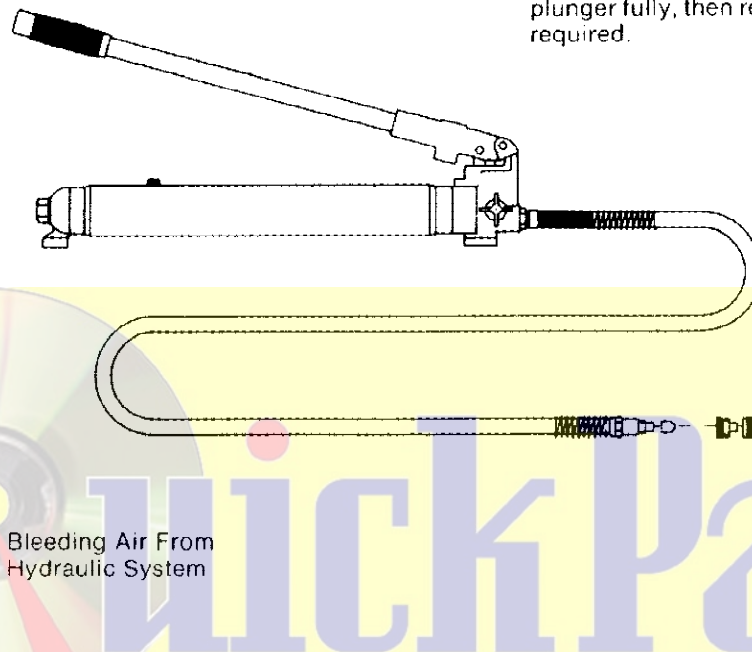
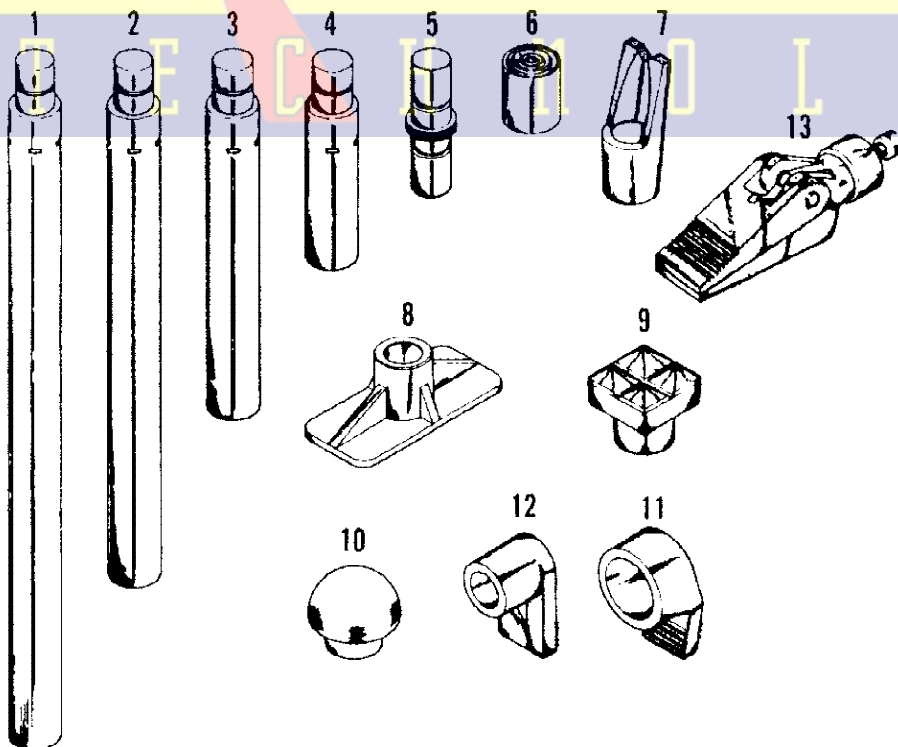


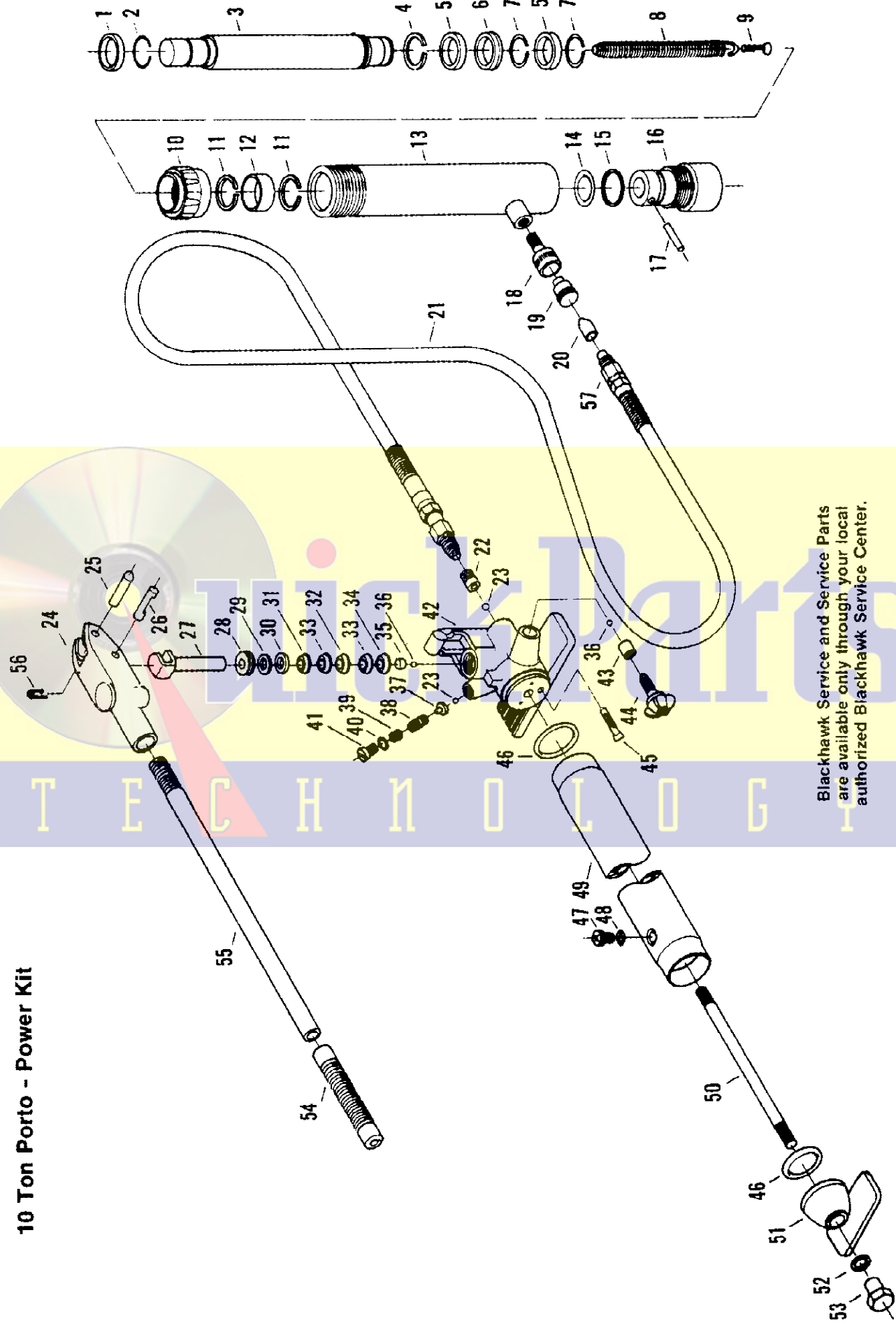
FIGURE 4



ATTACHMENTS

1. B65162 27" Extension Tube
2. B65163 18" Extension Tube
3. B65164 10" Extension Tube
4. B65165 4" Extension Tube
5. B65179 Male Connector
6. B65167 Serrated Saddle
7. B65166 Wedge Head
8. B65168 Flat Base
9. B65173 90° Comb. Head
10. B65180 Rubber Head
11. B65169 Ram Toe
12. B65172 Plunger Toe
13. B65123 Hydraulic Spreader

EXPLODED PARTS DRAWING 10 Ton Porto - Power Kit



10 Ton Porto-Power Kit Model B65115

Item No.	Part Code	Description	Qty. Required
1	H68421	Collar	1
2	H64897	Snap Ring	1
3	H68423	Piston Rod	1
4	H64953	Snap Ring	1
**5	H68425	Bushing	2
**6	H64955	"U" Cup	1
**7	H64957	Snap Ring	2
8	H68428	Spring	1
9	H68429	Screw	1
10	H63933	Thread Protector Ring	1
**11	H64950	Retaining Ring	2
**12	H68432	Cylinder Collar	1
13	H31697	Cylinder	1
**14	H16350	"O" Ring	1
**15	H61487	Back-Up Ring	1
16	H31698	Cylinder Base	1
17	H68437	Spring Pin	1
18	H69477	Quick Coupler - Female	1
19	H69356	Dust Cover - Female	1
20	H69291	Dust Cover - Male	1
21	65176	Hose	1
22	H69298	Bolt Plug	1
23	H69414	Ball 3/16"	2
24	H31699	Handle Socket	1
25	H69351	Pin - Socket	1
26	H69292	Pin - Piston	1
27	H69348	Piston	1
28	H69296	Screw Adjustment	1
*29	H69293	Washer	1
*30	H69279	Upper Seal Base	1
*31	H69294	"V" Oil Seal	1
*32	H69479	"V" Oil Seal	1
*33	H69278	"V" Oil Seal	2
*34	H69277	Lower Seal Base	1
*35	H69276	Cup Filter	1

Item No.	Part Code	Description	Qty. Required
*36	H69415	Ball 1/4"	2
37	H69434	Spring Cup	1
38	H69281	Spring	1
39	H69341	Screw	1
40	H69282	"O" Ring	1
41	H69342	Screw Protector	1
42	H31700	Base	1
*43	H69522	Packing - Release Valve	1
44	H31701	Release Valve	1
45	H69417	Filter	1
*46	H69280	"O" Ring	2
47	H31706	Filler Screw	1
*48	H69437	"O" Ring	1
49	H31702	Reservoir	1
50	H68440	Tie Rod	1
51	H31703	Bracket	1
*52	H69285	"O" Ring	1
53	H31704	Nut	1
54	H69354	Rubber Hand Grip	1
55	H31705	Handle	1
56	H69409	Retaining Pin	1
57	H69478	Quick Coupler - Male	1
58	H31707	Repair Kit - Pump Only	
59	H31708	Repair Kit - Ram Only	
60	H31693	Tool Box Only (Not shown)	
61	65119	Ram Assembly Only (Not shown)	
62	65118	Pump Assembly Only (Not shown)	
63	H31617	Warning Decal Only - Pump (Not shown)	1
64	H86854	Product Decal - Pump (Not shown)	1
65	H86855	Product Decal - Ram (Not shown)	1

* Included in H31722 Pump Repair Kit

** Included in H31723 Ram Repair Kit

T E C H N I C A L D R E W I N G S