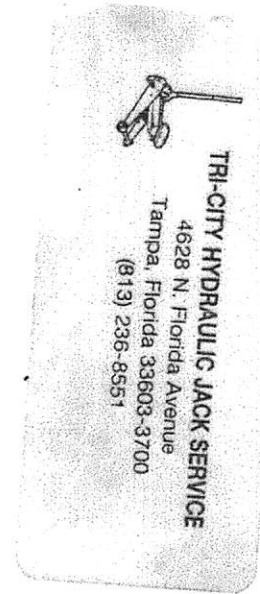
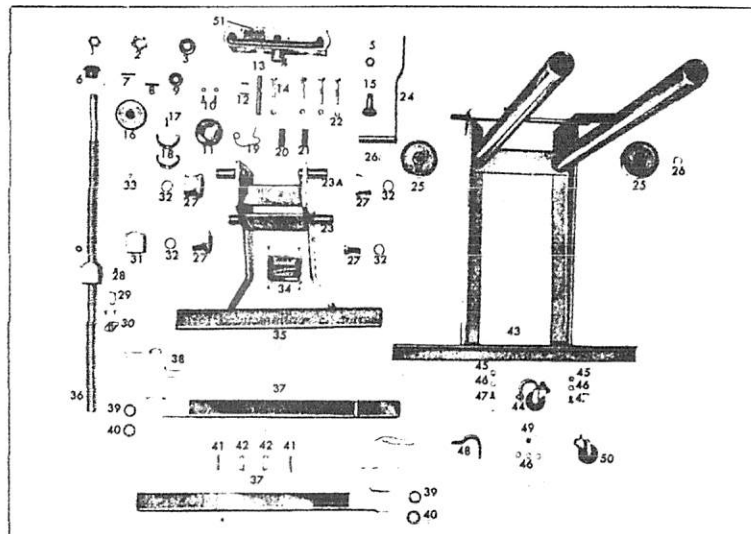


Hein-Werner

REPAIR PARTS LIST and SERVICE INSTRUCTIONS

"Screwball"

1½ Ton Jack



ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION	ITEM NO.	OLD PART NO.	NEW PART NO.	DESCRIPTION
1	¾"-16	26110	Hex Jam Nut for Screw	27	55201	13550	Roller 2½" O.D. N.S.
2	56113	14380	Cam for Brake		5627	80078	Rollers for Carriage O.S.
3	56112	80710	Ball Bearing Assembly for Brake	28		80079	Ball for Screw, per set
	56112-2	80711	Ball Bearing Assembly	29		80080	Ball Return Tube, Set of 2
4	5696	80067	Top Yoke, 5667 Handle Grip	30		80081	Return Tube Retainer & Screws
5	⅝"-18	26731	Hex Jam Nut for Crank	31	5666	80082	Nut for Screw
6	56300	14430	Screw Gear	32	55210	13650	Clip 1"
7	⅜"x1⅜"	26050	Roll Pin for Screw Gear	33	3006	9750	Alemite Fiting
8	¼"x1⅜"	25745	Roll Pin for Thrust Washer	34	56103	80084	Nameplate No. 6x¼" screws
9	5682	14525	Thrust Collar for Brake	35	O-5640	80085	Carriage Assembly
10	56500	80068	Cap Screw and Lock Washer	36	U-56	80086	Power Unit for Screwball
11	56114	14390	Bearing Retainer	37	55-1-3	81015	Ext. Arm w/Bi-Level Saddle
12	⅝"x1	26690	Roll Pin for Safety Stop	38	S-37	81017	Bi-Level Saddle
13	5639	80069	Safety Stop for Crank	39	5521	13635	Tension Washer
14	55153	13440	Bolt for Top Yoke	40	55216	80088	Fastener
15	56299	14420	Crank Shaft Gear Assembly	41	5532-A	13865	Spring for Extension Arm Stop
16	56408	80070	Cover for Brake	42	55170-1	13465	Stop for Extension Arm
17	5633	14455	Pivot Pin for Cam Lock	43	O-5610	81018	Frame Assy. (Used with YS14)
18	5652	14480	Cam Lock		O-5610-1	80089	Frame Assy. (Used with rubber wheels)
19	5617	14395	Spring for Safety Stop	44	O-5817-1	80725	Caster Wheel Assy. Complete
20	5621	14410	L.H. Spacer for Top Yoke	45	⅝"-24	26545	Hex Jam Nut
21	5620	14405	R.H. Spacer for Top Yoke	46	⅝"	80090	Shakeproof washers
22	⅜"-24	26270	Jam Nut for 55153 Bolt	47	⅝"-24x⅝"	26575	Hex Hd. Bolt
23	55206	80072	Front Roller Axle 1" O.D. 2⅝" Lg.	48	5817-2	80724	Spring w/5817-1
23A	55207	80073	Rear Roller Axle 1" O.D. 2⅝" Lg.	49	⅝"-18	26465	Akorn Nut
	5693	80074	Roller Axle for Carriage O.S.	50	55215	13715	Caster
24	5628	80075	Crank	51	56103-1	80091	Instruction Plate with screws
25	YS-14	80723	Rear Wheel		1B792	8845	Rear Axle 17" long for rubber wheels
-	-	24260	Rubber Wheels 8" Diameter (Not Shown)				
26	Y-119-A-1	80077	Clip				

USE NEW PART NUMBER ONLY WHEN ORDERING PARTS

REV. 7-1-68

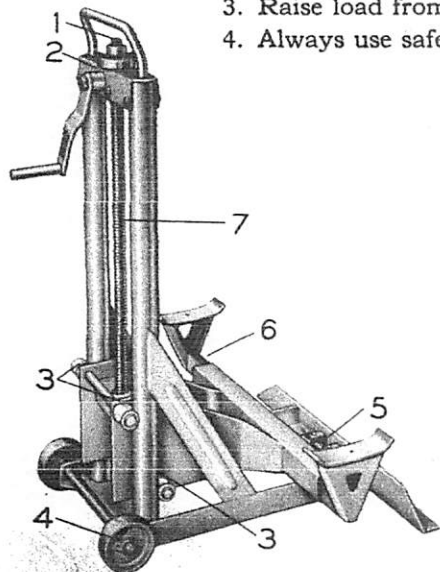
Order parts from the nearest Hein-Werner Official Service Station. Always state both model and serial number.

SERVICE INSTRUCTIONS

GENERAL CARE

Your Hein-Werner Screwball Jack is carefully designed and constructed of the best materials available. Long, dependable performance is assured if the following simple rules are observed.

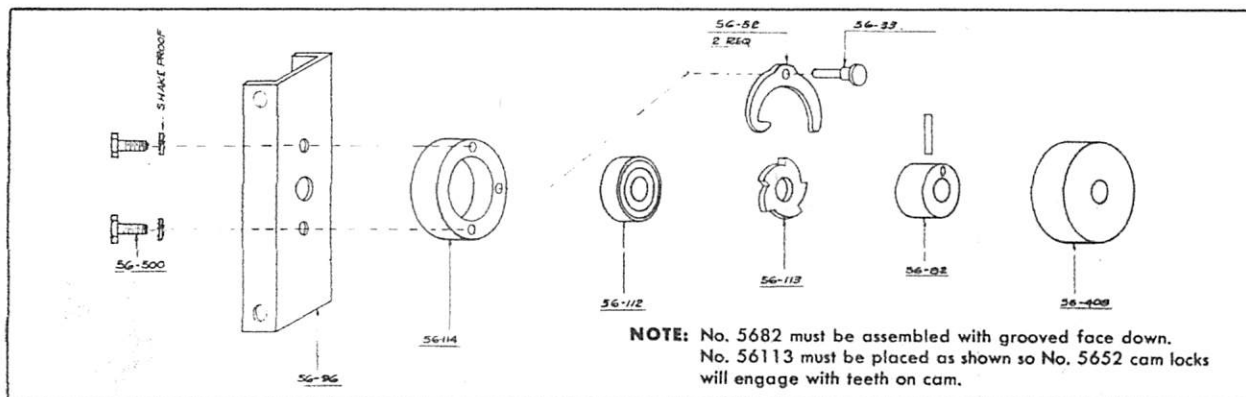
1. Lubricate frequently at points noted on chart below.
2. Always release brake of vehicle before lifting.
3. Raise load from a level surface and center load on both saddles.
4. Always use safety lock to avoid accidental lowering of load.



LUBRICATION

1. BRAKE—Keep $\frac{5}{32}$ " reservoir hole in Thrust Collar filled with grease which will automatically feed proper amount of lubrication to brake. Need for lubrication here will be evidenced by greatly increased effort necessary to lower load. Use grease—not oil—and do not force into hole under pressure.
2. CRANKSHAFT BEARING—Lubricate at least *weekly*. Must be kept free.
3. ROLLERS—Lubricate freely and *frequently*. Carriage cannot raise or lower load properly if rollers are not free to turn easily.
4. & 5. WHEELS—Keep well lubricated for easy positioning and to reduce wear.
6. SADDLE ARMS—Grease entire machined surface for easy adjustment of saddles and to avoid rust.
7. SCREW—The main lifting screw is hardened and plated, but frequent lubrication is recommended for further protection against corrosion unless excessive dust prevails.

BRAKE ASSEMBLY



TO REMOVE POWER UNIT

1. Remove the two bolts attaching top yoke to upright posts. Lift entire screw and carriage assembly from frame and place on bench with saddles down.
2. Disengage Bottom Yoke from carriage by punching out roll pins from bottom side of yoke to free retaining studs. Remove studs.
3. Remove nut and brake cover from top of screw. Punch out roll pin in Thrust Collar and remove collar and Brake Cam. Pull screw free from Top Yoke and drive out roll pin holding Screw Gear. Remove Gear and Bottom Yoke from Screw.
4. To reassemble, reverse above steps. Note that grooved face of Thrust Collar must be down and Brake Cam as diagrammed above.

Make sure pin on nut is positioned in Bottom Yoke directly above the longer stud. Install roll pins from top side of yoke when locking studs in carriage.

BALL AND RETURN TUBE ASSEMBLY

Only in unusual cases should it be necessary to change the balls or ball return tubes shown on sketch. Do not disassemble unnecessarily. If changing balls, be sure you use only our special precision balls which are essential for proper performance. All parts—balls, return tubes and nut—must be clean. Should the ball return tubes be accidentally bent or damaged, do not attempt to straighten or repair them. Replace with new tubes. To insert balls, closely follow below instructions.

With the top of screw to your left, push balls through hole in left side of nut using $\frac{1}{8}$ " rod. Simultaneously, rotate screw slowly towards you until you have inserted a minimum of 70 balls.

Fill either half of return tube with clean grease to retain the 12 tube balls in place during assembly of tube to nut. After assembly, rotate screw in nut to be sure screw and ball

