

INSTRUCTION MANUAL REPAIR PARTS LIST

HYDRAULIC TRUCK TRANSMISSION JACK 1 TON (908 kg) CAPACITY PART CODE H 07540

WARNING

1. READ, STUDY AND UNDERSTAND ALL WARNING LABELS AND OPERATING INSTRUCTIONS FURNISHED WITH THIS EQUIPMENT PRIOR TO USE. IF ANY PORTION OF THIS MATERIAL IS UNCLEAR, CONTACT YOUR REPRESENTATIVE FOR CLARIFICATION.
2. NEVER ALLOW UNSKILLED OR IMPROPERLY TRAINED PERSONNEL TO OPERATE THIS EQUIPMENT.
3. USE OF THE TRANSMISSION JACK IS LIMITED TO THE REMOVAL AND INSTALLATION OF TRANSMISSIONS, TRANSAXLES AND VEHICLE COMPONENTS FOR WHICH APPROPRIATE ADAPTORS ARE SUPPLIED. DO NOT LIFT OR SUPPORT VEHICLES WITH TRANSMISSION JACK.
4. BE SURE VEHICLE IS APPROPRIATELY SUPPORTED BEFORE STARTING REPAIRS. THIS JACK IS NOT A LOAD SUSTAINING DEVICE.
5. DO NOT OVERLOAD. OVERLOAD CAN CAUSE DAMAGE, FAILURE OF THE JACK AND/OR PERSONAL OR FATAL INJURY.
6. USE ONLY ON HARD LEVEL SURFACES CAPABLE OF SUSTAINING THE LOAD. USE ON OTHER THAN HARD LEVEL SURFACES WILL RESULT IN JACK INSTABILITY AND LOSS OF LOAD.
7. ALWAYS USE THE LOAD RESTRAINT CHAIN, CORNER SUPPORT BRACKET, AND ATTACHMENTS TO STABILIZE AND FIRMLY SECURE THE LOAD TO THE SADDLE. INSURE LOAD RESTRAINT CHAIN IS TIGHT AND PROPERLY POSITIONED TO EFFECTIVELY HARNESS THE LOAD. NEVER USE THIS JACK WITHOUT A LOAD RESTRAINT CHAIN STRONG ENOUGH TO SUPPORT THE TRANSMISSION.
8. PRIOR TO TRANSPORTING THE LOAD, INSURE THAT THE JACK IS ADJUSTED SO THE SADDLE IS IN THE LOWEST HORIZONTAL POSITION POSSIBLE, AND THE LOAD IS CENTRALLY LOCATED ON THE SADDLE.
9. DO NOT MODIFY THIS EQUIPMENT OR REMOVE LOAD RESTRAINT CHAINS.
10. IT IS YOUR RESPONSIBILITY TO KEEP ALL WARNING LABELS AND INSTRUCTIONAL LITERATURE LEGIBLE AND INTACT. REPLACEMENT LABELS AND LITERATURE ARE AVAILABLE FROM THE FACTORY.
11. FAILURE TO HEED THESE WARNINGS MAY RESULT IN EQUIPMENT AND/OR PROPERTY DAMAGE AND/OR 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 the jack. 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.

MODEL 62

Maintenance. The jack shall be maintained in accordance with instructions listed under "Maintenance."

Inspection

1. Visual inspection shall be made before each use of the jack, checking for leaking hydraulic fluid, and damaged, loose or missing parts.
2. Each jack, if subjected to an abnormal load or shock, shall be inspected before reuse by an authorized Hein-Werner service center.
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 the jack be made by an authorized Hein-Werner service center and that any defective parts, decals or warning labels be replaced with genuine Hein-Werner parts. A list of authorized service centers is available from Hein-Werner.

Damaged Jacks. Any jack 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 Hein-Werner service center.

INSTRUCTIONS BEFORE USE

1. With saddle in the lowest position, remove oil filler screw, and check oil level. For units with filler screw in the reservoir tube, oil should just cover the inner cylinder tube. For units with filler screw at the rear of the unit block, level should be at the bottom of the filler screw hole. Fill if necessary with clean Hein-Werner hydraulic jack oil. (Do not use brake fluid or fluids other than genuine Hein-Werner jack oil.)
2. Many jacks become airbound in transit. Before using jack for the first time, it may be necessary to bleed the hydraulic system. To accomplish this, open the release valve, and pump the handle 10-12 times to expel trapped air.

OPERATING INSTRUCTIONS

1. **Lifting** - Close release valve first, pump handle to raise saddle to contact load. Position jack so weight of load will be equally distributed on saddle, and adjust pitch and tilt controls as necessary. Position corner support brackets and secure load with Load Restraint Chain.

WARNING

ALWAYS USE THE LOAD RESTRAINT CHAIN, CORNER SUPPORT BRACKETS, AND ATTACHMENTS TO STABILIZE AND FIRMLY SECURE THE LOAD TO THE SADDLE.

NEVER USE THE JACK WITHOUT A LOAD RESTRAINT CHAIN STRONG ENOUGH TO SUPPORT THE TRANSMISSION.

THE CHAIN SHOULD BE USED AS FOLLOWS: PLACE THE CHAIN OVER THE LOAD, PULL TAUT AND ENGAGE INTO SLOT ON OPPOSITE SIDE OF SADDLE. TIGHTEN WING NUT.

2. **Lowering** - To lower jack --- open release knob slowly.

3. Saddle Controls

Pitch - The forward and rear tilt knob will pitch saddle 50° forward and 38° rearward - a total of 88°.

Tilt Control - The side tilt knob tilts saddle 13° left or 13° right.

MAINTENANCE

1. Lubricate regularly all moving parts of the jack. Pay special attention to the tilt screws and related linkages.

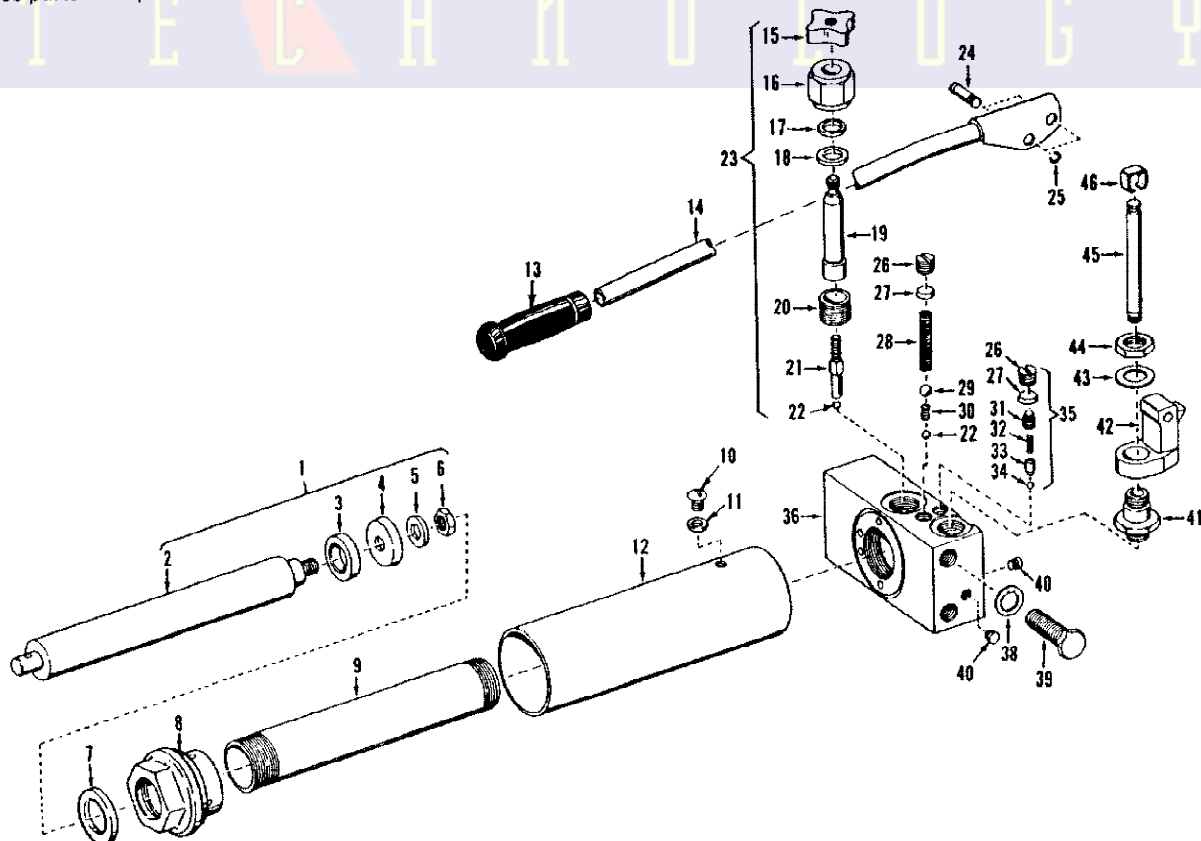
2. Regularly check oil level. With the saddle fully lowered, remove oil filler screw, and check oil level. For units with filler screw in the reservoir tube, oil should just cover the inner cylinder tube. For units with filler screw at the rear of the unit block, level should be at the bottom of the filler screw hole. Fill if necessary. Use only genuine Hein-Werner hydraulic jack oil in the pump unit. **Do not use hydraulic brake fluid.**
3. If jack fails to operate - check oil level and/or bleed unit before seeking service at an Authorized Hein-Werner Service Center.

UNIT ASSEMBLY

Item No.	Part Code	Description	Qty. Required
1	H6660600	Ram Assembly	1
2	H6660300	Ram	1
3	H2409000	Spacer	1
4	H6510700*	Cup	1
5	H1326000	Retainer	1
6	H1896000	Hex Nut	1
7	H2072500*	Quad Ring	1
8	H6552300	Top Nut	1
9	H2201000	Cylinder	1
10	H6014100	Filler Screw	1
11	H0473000*	Filler Screw, Washer	1
12	H6599200	Reservoir Tube	1
13	H0933000	Handle Grip	1
14	H0746000	Handle Assembly	1
15	H1424000	Knob	1
16	H2471500	Release Valve Box	1
17	H2454000*	Packing	1
18	H2479500	Thrust Washer	1
19	H2148500	Release Valve Stem	1
20	H2486500	Release Valve Stop	1
21	H6574700	Release Valve	1
22	H0267500	Ball	1
23	H0750500	Release Valve Assy.	1
24	H6028700*	Pin	2
25	H1241500*	Ring	2

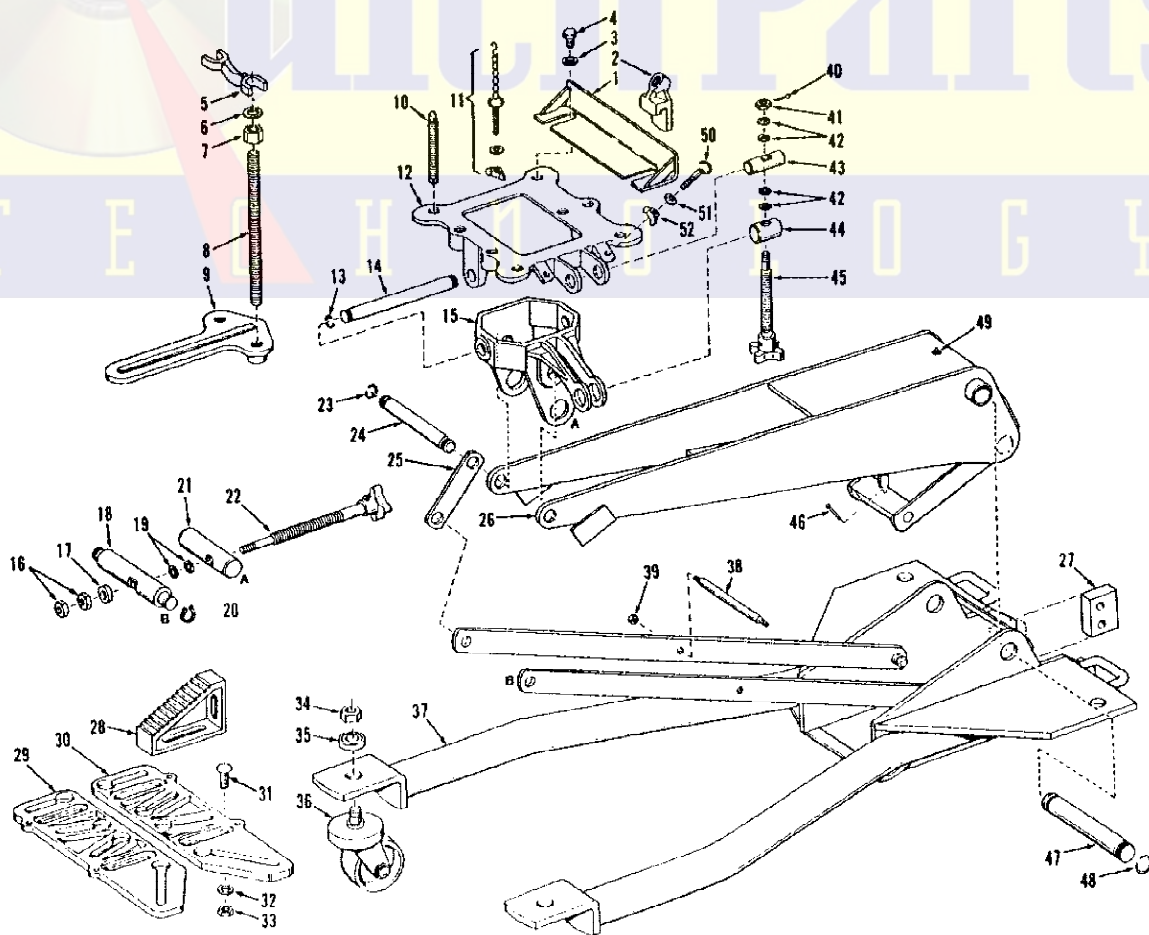
Item No.	Part Code	Description	Qty. Required
26	H1185500	Valve Plug	1
27	H1152000	Valve Seal	1
28	H2383500	Spring	1
29	H0301000	Ball	1
30	H0218500	Spring	1
31	H1752000	Adjusting Screw	1
32	H1690600	Spring	1
33	H1705500	Spring Cap	1
34	H1722000	Ball	1
35	H8036000	Overload Assy.	1
36	H6661900	Unit Block	1
	H6662400	Unit Body Corked	1
37	H8081800*	Pump Valve (Not Shown)	1
38	H0218000	Lockwasher	4
39	H2673900	Bolt	4
40	H0352500	Break Off Plugs	2
41	H2227000	Piston Guide	1
42	H2127500	Socket Bracket	1
43	H2140500	Washer	1
44	H2137500	Nut	1
45	H6662300*	Piston	1
46	H0720500*	Piston Clip	1
47	H8075800	Repair Kit (Not Shown)	1
48	H6665400	Hyd. Unit (Not Shown)	1

*Denotes parts in Repair Kit



CHASSIS ASSEMBLY FOR MODEL "62"

Item No.	Part Code	Description	Qty. Required	Item No.	Part Code	Description	Qty. Required
1	H0763000	Adj. Angle Assy.	2	29	H2220500	Adj. Trans. Plate L.H.	1
2	H2224000	Adj. Stud Bracket	2	30	H2223000	Adj. Trans. Plate R.H.	1
3	H5579300	5/8" Washers	6	31	H2535900	1/2-13 x 1-1/2 Rd. Hd. Bolt	8
4	H2672500	5/8-11 x 1-1/4 Hex. Hd. Cap Screws	6	32	H1103000	1/2" Washer	8
5	H2221000	Yoke Clamp	2	33	H2533500	1/2-13 Reg. Hex Nut	8
6	H2524000	3/4" Washer	4	34	H1652500	3/4-16 Gripco Jam Nut	4
7	H2609500	3/4-10 Hex Nut	4	35	H0249000	Bearings	4
8	H2207000	Adj. Yoke Rod	2	36	H6662600	Caster Assembly	4
9	H2218500	Adj. Yoke Bracket	1	37	H6661800	Frame Assembly	1
10	H2222500	Adjusting Screws	4	38	H6599300	Parallel Link Spacer	1
11	H6662100	Chain Assembly	1	39	H2544500	1/4-20 Reg. Hex Jam Nut	2
12	H2205500	Saddle	1	40	H2608400	3/32 x 1 Cotter Pin	1
13	H2176000	Retaining Rings	1	41	H2680600	7/16-14 Slotted Hex Nut 3/8" High	1
14	H2213500	Pin-Side Pivot	1	42	H5579500	3/4 O.D. x 29/64 I.D. x .063 Thick Washers	4
15	H2205000	Saddle Holder	1	43	H2214500	Pin-Side Anchor	1
16	H1896000	1/2-20 Hex Jam Nuts	2	44	H6599600	Pin-Side Tilt	1
17	H6597900	Thrust Bearing	2	45	H0762000	Adjusting Screw Assy. Side Tilt	1
18	H6599700	Pin-Forward Tilt	1	46	H6662700	Rivet	1
19	H5579600	Washer	2	47	H6698900	Main Pivot Pin	1
20	H2176000	Retaining Rings	2	48	H1308500	Retaining Rings	2
21	H2215500	Pin-Forward Tilt	1	49	H0975000	Grease Fitting	1
22	H6660700	Adjusting Screw Assy. Forward Tilt	1	50	H6665200	Open Eye Bolt	1
23	H2176000	Retaining Rings	2	51	H2524500	Washer	1
24	H2213000	Saddle Pivot Pin	1	52	H6665300	Wing Nut	1
25	H2216000	Saddle Links	2	53	H8015300	Nameplate (Not Shown)	1
26	H6661600	Lift Arm Assembly	1				
27	H2207500	Spacer	2				
28	H6660900	Wedge	2				



SPECIFICATIONS

Capacity	2000 lbs. (908 kg)	Front Tilt	50°
Low Height	9-1/4"	Rear Tilt	38°
High Height	44-1/4"	Side Tilt	13° ea. way
Frame Height	9-1/2"	Shipping Weight	330 lbs.
Overall Width	29-3/8"	Part Code	07540
Overall Length	48"	Replacement Unit	U-62
Caster Diameter	4"	Part Code	66654

TROUBLESHOOTING

Cause - Solution

Problem	Jack will not lift load	Jack lowers under load	Jack will not lift rated capacity	Pump feels spongy	Jack will not lift full height	
✓			✓	✓		Jack may be low on oil. Remove filler screw and fill reservoir with clean Hein-Werner jack oil.
✓		✓	✓	✓		Jack may be airbound. Bleed the hydraulic system. See "Instructions Before Use."
✓	✓	✓				Valves may not be closing properly. Flush valves by standing on legs and pulling up on saddle.
				✓		Ram may be corroded or dirty. Clean, polish, and lubricate.
	✓	✓				Release valve may not be sealing. Release knob should operate freely.
	✓					External leakage - take to Hein-Werner service center.

If the above procedures do not remedy the problem - the jack will require service and should be taken to an Authorized Hein-Werner Service Center for repair.

LIMITED WARRANTY

Lincoln, a Division of McNeil (Ohio) Corp., a subsidiary of Pentair, Inc., warrants that jacks and related service equipment sold with the brand-names Lincoln, Blackhawk Automotive, Blackhawk Automotive Banner, Blackhawk Automotive Porto-Power, Hein-Werner Automotive, Hein-Werner Automotive Winner will be free from defects in material and workmanship during the one (1) year following the date of purchase. This warranty is extended to the original retail purchaser only. If a jack or related service equipment proves to be defective during this warranty period, it will be repaired or replaced without charge. To obtain repair or replacement, it must be shipped, transportation charges prepaid, with proof of date of purchase to a Lincoln authorized Warranty and Service Center, within one (1) year following the date of purchase. This warranty does not apply to parts damaged from accident, overload, or abuse, nor does it apply to any equipment which has been altered or used with special attachments other than those recommended by Lincoln. No other express warranty applies to jacks and related service equipment manufactured by Lincoln. ANY IMPLIED WARRANTIES applicable to jacks and related service equipment manufactured by Lincoln, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. In no event shall Lincoln be liable for incidental or consequential damages. The liability of Lincoln on any claim for loss or damage arising out of the sale, resale, or use of a jack or related service equipment shall in no event exceed the purchase price. 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. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.