HEIN-WERNER AUTOMOTIVE

INSTRUCTION MANUAL REPAIR PARTS LIST

PROFESSIONAL SIDE LIFT 2 TON (1815 Kg) CAPACITY PART CODE H 28910

⚠ WARNING

1. READ, STUDY, UNDERSTAND, AND FOLLOW ALL INSTRUCTIONS PROVIDED WITH THIS LIFT PRIOR TO OPERATION.
2. THIS IS A LIFTING DEVICE ONLY. THE LOAD MUST BE SUPPORTED IMMEDIATELY BY OTHER APPROPRIATE MEANS.
3. DO NOT MOVE OR DOLLY THE VEHICLE WHILE ON THE JACK.
4. DO NOT OVERLOAD. NEVER LIFT VEHICLE FROM THE FRONT OR REAR, ONLY FROM THE SIDE. LIFT THE VEHICLE ONLY AT AREAS SPECIFIED BY THE MANUFACTURER.
5. USE ONLY ON HARD LEVEL SURFACE CAPABLE OF SUSTAINING THE LOAD.
6. CENTER LOAD ON SADDLE.
7. DO NOT LOOSEN OR REMOVE HOSES.
8. USE ONLY SYNTHETIC HYDRAULIC OIL SUPPLIED BY MANUFACTURER.
9. IT IS YOUR RESPONSIBILITY TO KEEP ALL WARNING DECALS LEGIBLE AND INTACT. REPLACEMENT DECALS ARE AVAILABLE FROM THE FACTORY.
10. DO NOT TIP OR LAY SIDELIFT ON IT'S SIDE.
11. DO NOT EXCEED RECOMMENDED AIR PRESSURE.
12. FAILURE TO HEED THESE WARNINGS MAY RESULT IN LOSS OF LOAD. DAMAGE TO THE LIFT OR FAILURE RESULTING IN PROPERTY DAMAGE, PERSONAL, OR FATAL INJURY.

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OWNER'S RESPONSIBILITY

Operation. The owner and/or operator shall have an understanding of these operating instructions and warnings before operating the lift. 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. The lift shall be maintained in accordance with instructions listed under "Maintenance."

Inspection

1. Visual inspection shall be made before each use of the lift, checking for leaking hydraulic fluid, and damaged, loose or missing parts.
2. Each lift, if subjected to an abnormal load shock, shall be inspected immediately 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 lift be made by an authorized 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 upon request.

Damaged Lifts. Any lift 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 service center.

Assembly

Some assembly of the side lift is required before operating.

1. Remove pipe cap (Item #33) from elbow fitting (Item #13) on reservoir weldment.
2. Remove pipe plug (Item #34) from air hose (Item #8).
3. Connect air hose (Item #8) to pipe fitting (Item #13).

Side lift is now ready for operation.

OPERATION

1. Place side lift under side of car. Position saddle only at areas specified by the manufacturer.
2. Connect air supply to RAISE side of air valve on side lift. Activate air valve to apply air pressure to side lift, this will allow side lift to extend. As the saddle of the side lift approaches the underside of the car, recheck the position of the saddle for correct alignment.
3. To stop side lift from extending, release air valve and allow it to return to neutral position. Side lift may continue to extend due to build-up of air pressure inside side lift. Release the air pressure by depressing the LOWER side of the air valve. Continue to lower side lift until side lift comes to rest against mechanical stop.

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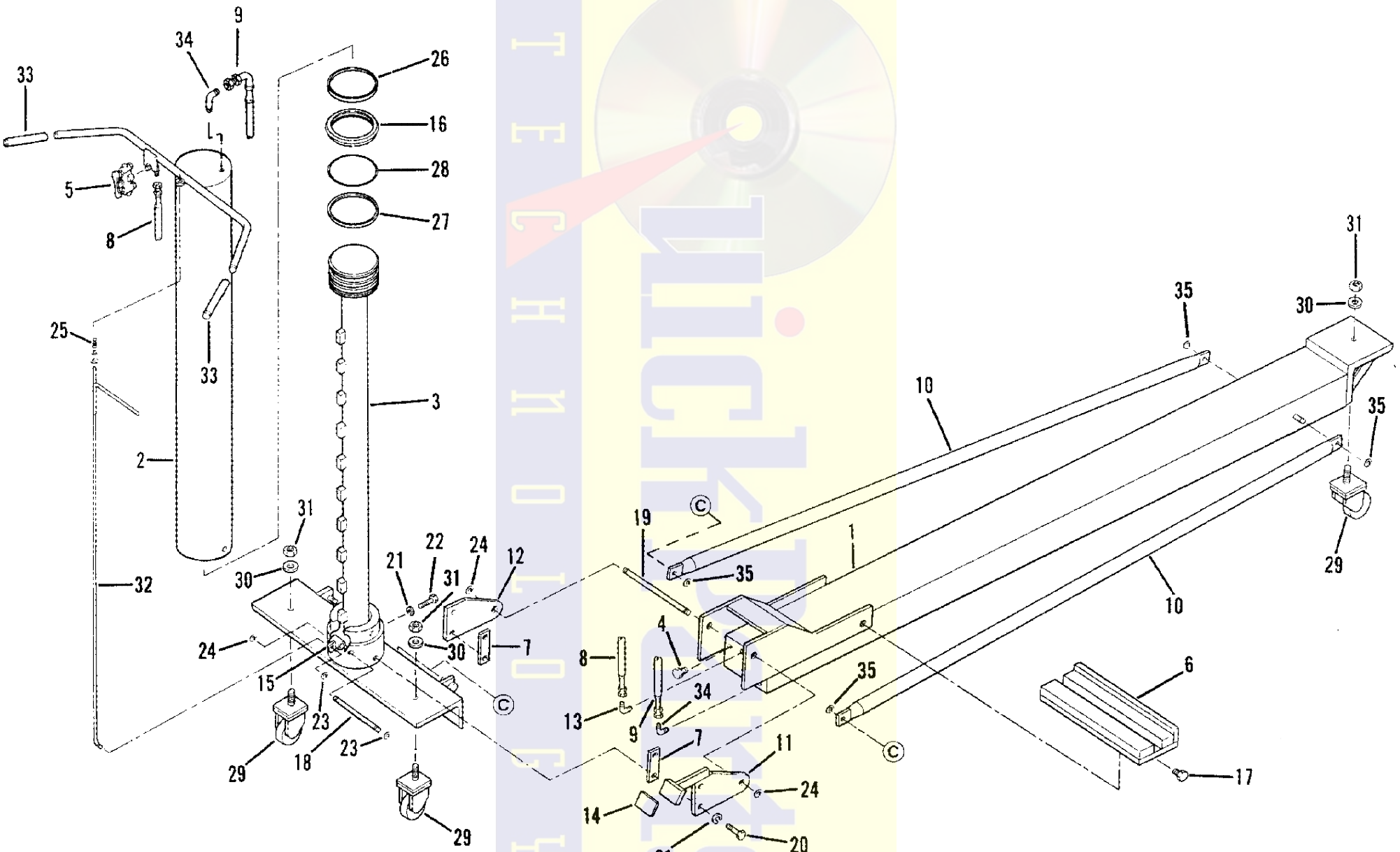
CENTER LOAD ON SADDLE.

4. To lower the side lift, activate the air valve to raise the side lift off of the mechanical stop. Next grasp the handle to hold the mechanical lock open and release the air pressure. Vehicle will descend at a slow controlled rate. When vehicle is completely down, apply pressure to foot pedal to lower saddle away from vehicle.



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MAINTENANCE

1. An inline air filter should be used to prevent dirt and water from entering the side lift.
2. Regularly inspect hoses and hose fittings to make sure they are tight. Always inspect side lift for damaged hoses and missing bolts or pins prior to use.
3. Keep side lift clean and free of dirt.
4. Make sure saddle is always positioned with high side forward. Never turn saddle backwards.
5. ADDING OIL - Remove air line hose from reservoir. Remove 1/16-27 pipe plug from back of reservoir. With reservoir completely horizontal, add oil through fitting of air line hose. Continue to add oil until oil leaks out of 1/16-27 pipe plug opening. Once full, connect air line to fitting, teflon tape pipe plug and screw back into reservoir. Repeat - reservoir must be horizontal for proper amount of oil to be added.
6. This equipment is designed to use a special high grade synthetic oil only. Standard hydraulic oil will not work in this product and if used, could possibly damage the equipment or result in personal injury.

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Item No.	Parts Code	Description	Qty. Required
1	B7047950	Reservoir Weldment	1
2	B7048950	Cylinder Weldment	1
3	B7049950	Support Tube Weldment	1
4	H3809500	1/16-27 NFTF Pipe Plug	1
5	H6456400	Air Valve	1
6	B7045950	Lift Pad	1
7	B7067210	Spacer	2
8	B7003381	Hose, Air	1
9	B7008381	Hose, Oil	1
10	B7014212	Tie Rod	2
11	B7043950	Main Support Weldment	1
12	B7049201	Main Support Bracket	1
13	B7001371	Fitting	1
14	H6736300	Rubber Pad	1
15	B7039950	Mechanical Stop Weldment	1
*16	B7000141	Seal	1
17	B7024211	Shoulder Bolt	2
18	B7013211	Pin - Mechanical Stop	1
19	B7014211	Pin	1
20	H6182300	3/8-16 x 1.75 Grade 5 Bolt	4
21	H2638500	3/8 Dia Lockwasher	5

Item No.	Parts Code	Description	Qty. Required
22	BB772087	3/8-16 x 1.00 Grade 5 Bolt	1
23	B7001306	Retaining Ring	1
24	H2174700	Retaining Ring	4
25	39900074	Spring - Lock	1
*26	B7001315	Wear Ring	1
*27	B7002315	Glide Ring	1
*28	B7003315	"O" Ring	1
29	B7000329	Caster	3
30	H2532000	1/2 Dia Lockwasher	3
31	H2533600	1/2-13 UNC Nut	3
32	B7042950	Handle Weldment	1
33	BJ345550	Handle Grip	2
34	B7000371	Fitting	2
35	H2592200	Cotter Pin	4
36	H3112100	Synthetic Hydraulic Oil (Not Shown)	
37	B7017619	Product Decal (Not Shown)	1
38	B7069619	Warning Decal (Not Shown)	1
39	H6528100	Raise-Lower Decal (Not Shown)	1
*	H2893400	Repair Kit	
40	B7001120	Pipe Cap (Not Shown)	1
41	B700106	Pipe Plug (Not Shown)	1

* Included in Repair Kit

TROUBLESHOOTING
Cause — Solution

Lift feels spongy or does not raise smoothly	Oil appears at base of cylinder	Lift will not raise load	Lift will not lower load	Lift will not raise full height	
		✓			Air pressure might be low. Check pressure at air compressor. Check air and hydraulic hoses - make sure they are not plugged.
✓		✓		✓	Lift may be low on oil. Remove air line hose from reservoir and fill with clean synthetic hydraulic oil approved by Hein-Werner. See parts sheet for oil part no. See maintenance section for proper filling procedure.
			✓		The mechanical lock is engaged. Add air until the lift raises slightly, then disengage the lock. Then release air pressure.
	✓	✓			Seals are damaged. Replace with authorized Hein-Werner seals. Check for loose hose connections.
✓					Side lift could be airbound. Lower lift to complete retract position. Exhaust air pressure from lift. Loosen hydraulic hose from cylinder top. Apply air pressure until steady stream of oil comes from hose. Exhaust air pressure and reattach hose to cylinder top.
✓			✓		Moving parts on the side lift may need lubrication.

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