



1500HD Assembly & Operation Manual

1500 lb. Capacity
Motorcycle Lift



1500HD Assembly Instructions

Assembly

1. Remove the lift and all parts from the wooden crate
2. Remove the pump from the cardboard box
 - a. Make sure the male air fitting is compatible with the female air fitting you will use. If not, secure a male air fitting to match your set up.
3. Connect the hydraulic line from the air pump to the lift.
4. Adjust the air pressure to 100 psi
 - a. It is recommended to use a water trap and oiler to extend the life of the pump. Failure to use these components will drastically reduce the life of the hydraulic pump.
5. Attach your air line to the air fitting on the pump.
6. Prior to using the pump make sure the oil reservoir vent is in the open position.
 - a. The vent is a brass thumbscrew on the RELEASE end of the pump in the left corner.
 - b. If the vent is left closed the will not operate properly.
 - c. When the lift is not in use close the vent.
7. Press the hand operated air supply valve
 - a. The pump will engage and begin to raise the lift.
 - b. If the lift does not move or if it will not raise enough weight see our YouTube video to learn how to prime the pump and raise the release pressure. It can be found by searching for “Redline 1500HD pump.”
8. Raise the lift to a comfortable work height.

Front Extension Assembly

1. The front extension slides over the main body of the lift.
2. It is recommended the front extension be used with the side extensions as the tubes that hold the side extensions in place also hold the front extension in place.

Side Extension Assembly

1. There are three holes in the main body of the lift.
2. Place one tube with a hole in each end through each one of the holes in the lift.
3. There are three corresponding holes in each of the side extensions. Carefully slide the side extension onto the three tubes protruding from the main body.
4. Perform the same task with each side extension.
5. In the hardware bag there are 6 pins with clips.
6. Install one pin in each hole in the end of the side extension tube.
7. Put one clip in each of the 6 pins to deter the pins from becoming dislodged.

Front Wheel Vise Assembly

1. Attached the handle assembly to the moving side of vise using four bolts and washers. The moving side of the vise is drilled and tapped to receive the four bolts.
2. The moving side of the vise is attached to the left side of the main body of the lift using 4 predrilled holes and hardware.

- a. If not using the front extension the vise will mount to the front of the main body of the lift using the predrilled holes.
 - b. If using the front extension the vise will mount to it using the predrilled holes.
3. The fixed side of the vise mounts right of center of the lift using the 6 predrilled holes and hardware.
4. The vise operates by rotating the handle to adjust the width of the vise to lightly squeeze the motorcycle tire.
5. It is **RECOMMENDED** that Tie Downs are used to secure the motorcycle when on the lift.
6. Install 2 eye bolts
 - a. With the front extension installed the eye bolts are secured using the predrilled holes in the front center of the side extensions with the provided hardware.
 - b. Without the front extension the eye bolts are secured using the predrilled holes in front corners of the main body of the lift with provided hardware.

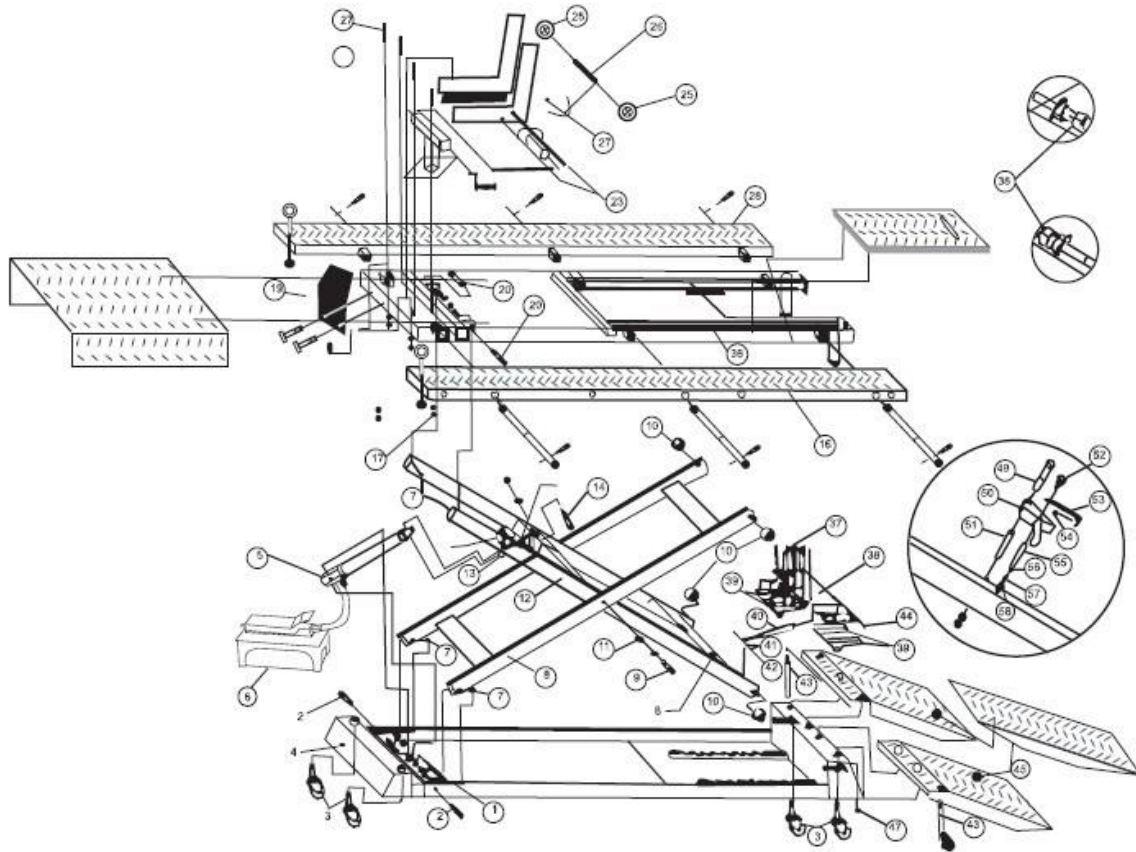
Approach Ramps

The approach ramps hook into the holes in the main body of the lift

Locking Mechanism

1. The lock release mechanism is located on the left side of the lift.
2. There are two detents for the lock release lever. The upper detent is the unlocked position and the lower detent is the locked position.
3. While raising the lift place the lock release lever in the lower detent so the lock is engaged as you raise the lift.
4. When you get to the desired height, press the release side of the pump foot pedal and lower the lift into a locked position. When using the lift in the up position rest the lift in a locked position. The hydraulics are used for raising and lowering; they should not be under pressure for long term jobs. The mechanical lock is used for maintaining the lift in the up position.
5. To lower the lift, raise it about 1.00" out of the locked position. Move the lock release lever to the up position.
6. Make sure your feet, tools and all objects are removed from under and around the lift.
7. Press the release side of pump foot pedal to lower the lift.

Parts Breakdown



Part No.	Description	Quantity
1	M16 A110 Bolt, Nut & Washer	1
2	M14 A110 Bolt, Nut & Washer	1
3	2" Caster	4
4	Base Assembly	1
5	Hydraulic Jack	1
6	Pneumatic/Hydraulic Pump	1
7	Bearing 1520	6
8	Link Rod 1	1

9	M20 A120 Bolt, Nylon Nut & Washer	2
10	Tire	4
11	Bearing 2020	8
12	Link Rod 2	1
13	Ball Handle	1
14	M16 A70 Bolt, Nut & Washer	1
15	M16 A370 Bolt & Washer	6
16	Shoulder Right	1
17	M12 Nut & Washer	12
18	U Bolt	2
19	U Bolt	1
20	M14 A80 Bolt, Nut & Washer	2
21	Base Clamp	1
22	M12 A25 Bolt, Nut & Lock Washer	4
23	M8 A12 Bolt & Lock Washer	6
24	Block	2
25	Handle - Clamp	2
26	Screw Rod	1
27	Clamp	2
28	Shoulder Left	1
29		
30	M5 30 Bolt	6
31	M8 Bolt, Nut & Washer	4
32	Nylon Tire	4
33	Deck Plate Moveable	1
34	Lock Assembly Deck Plate	1
35	M5 Lock Nut	6
36	Deck Plate Main	1
37	M6 A18 Bolt & Washer	16
38	Safety Plate	1
39	Safety Block	4
40	Link Rod	2
41	M8 Washer	1
42	M8 50 Bolt, Nut & Washer	2
43	Ramp Stand	1
44	M8 A25 Bolt, Nut & Washer	1
45	Ramp N Left	1
46	Ramp N Right	4
47	Snap Ring D14	2
48	M8 25 Bolt & Nut	1
49	M8 60 Bolt, Nut & Washer	1
50	Release Handle	1
51	Copper Ring	1
52	M6 Bolt	1
53	Cable Link Plate	1
54	Release Cable	1
55	Guide Ring	1
56	Rod	1
57	Spring	1
58	M12 12 Bolt	1

