



MODEL H8091 3½ Ton Quick Pump Garage Jack

Specifications

Maximum Lifting Capacity7000 lbs.
Lifting Range4¾"–14⅝"
Weight83 lbs.

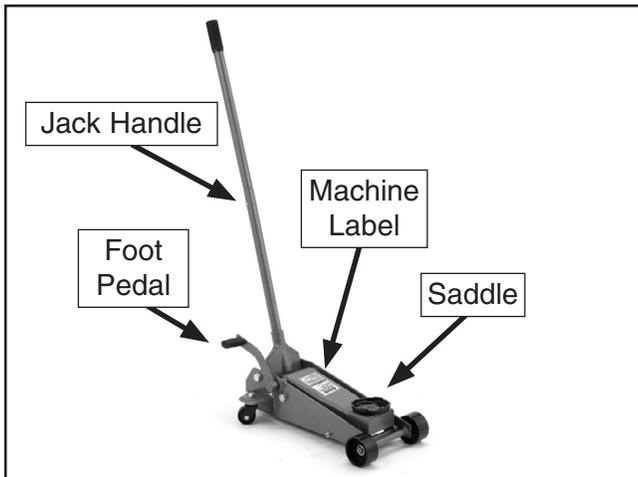


Figure 1. Model H8091 Identification.

Operation

To raise the saddle gradually:

Turn the jack handle clockwise as far as it will turn and pump the handle up and down. Turning the handle clockwise will close the release valve (see **Figure 2**).

To raise the saddle quickly:

With the jack handle turned fully clockwise, push the foot pedal down and release it slowly. Each pump of the pedal will raise the saddle approximately one-third of its full range.

To lower the saddle:

Slowly turn the jack handle counterclockwise.

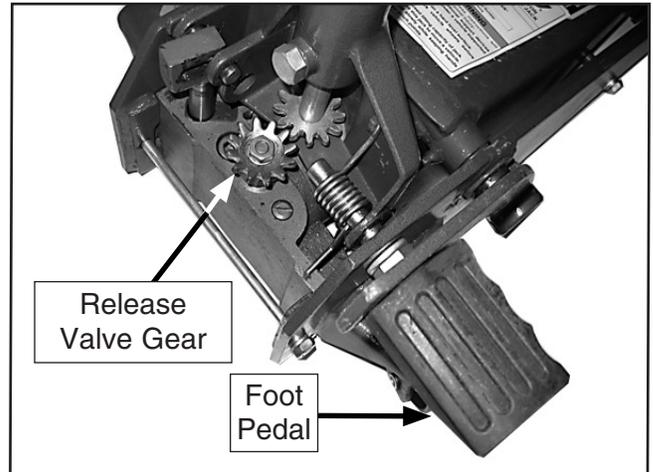


Figure 2. Pump pedal and release valve gear.

!WARNING

Failure to follow these instructions could result in serious personal injury or death:

1. **DO NOT** overload this jack beyond its rated capacity. Overloading can cause the jack to collapse and drop the load.
2. **ALWAYS** support the vehicle with appropriately rated support stands before working under it.
3. **DO NOT** attempt to move the vehicle while the jack is in use.
4. Use only on hard level surfaces like concrete or asphalt. Other surfaces are potentially unstable.
5. Center the load on the jack to maintain proper balance and stability.
6. **DO NOT** use jack if it begins leaking fluid or if it sinks when placed under load. These are indications that the jack needs to be immediately serviced.

If you need help with the Model H8091, call our Technical Support line at: (570) 546-9663.

Maintenance

Keep the hydraulic rams clean and free of any dust, dirt, or foreign debris. Abrasive material stuck to the ram can damage the hydraulic seal when the ram is retracted back into the jack. Regularly wipe the hydraulic rams clean with a lightly oiled rag.

The Model H8091 will require hydraulic fluid after long-term use. This will be noticeable if the jack will not reach its maximum height when pumped. Only use a high quality hydraulic fluid.

To add hydraulic fluid:

1. Completely lower the jack.
2. Remove the fill plug shown in **Figure 3**.

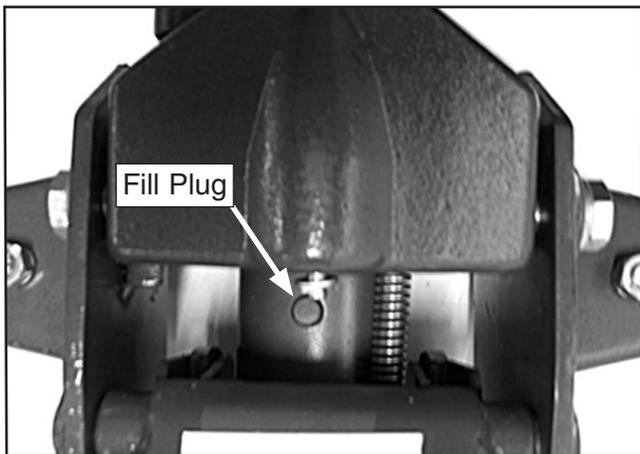


Figure 3. Fill plug.

3. Add fluid until it reaches the top of the fill plug hole.
4. Replace the fill plug.
5. Test the operation of the jack by pumping it up to the maximum height and applying a load to the saddle. The jack should hold the weight of the load without a sinking or spongy feeling.

—If the jack did not perform properly, then air may need to be bled from the pump system.

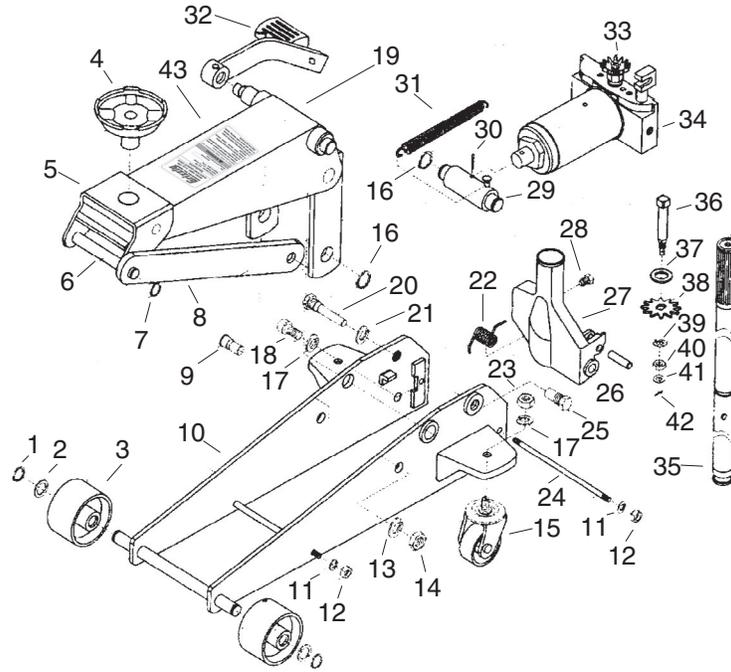
Bleeding the Air

If the jack becomes spongy or will not rise when pumped, then air bubbles may be in the hydraulic system. These air bubbles must be 'bled' from the hydraulic fluid before the jack can be safely operated.

To remove the air bubbles:

1. Remove the fill plug.
2. Rotate the handle counterclockwise until it stops.
3. Pump the jack handle rapidly to force the air bubbles out through the fill hole. When the air bubbles and fluid stop coming out, put the fill plug back.
4. Repeat **Step 3** as many times as needed until the air bubbles stop coming out in the hydraulic fluid.

H8091 Main Parts Breakdown



REF PART # DESCRIPTION

| REF PART # | DESCRIPTION |
|------------|--------------------------------|
| 1 | PR09M EXT RETAINING RING 20MM |
| 2 | PW13M FLAT WASHER 20MM |
| 3 | PH8091003 FRONT WHEEL |
| 4 | PH8091004 SADDLE |
| 5 | PH8091005 SADDLE BASE |
| 6 | PH8091006 SADDLE BASE AXIS |
| 7 | PR06M EXT RETAINING RING 16MM |
| 8 | PH8091008 LINK ROD |
| 9 | PH8091009 LINKING BOLT |
| 10 | PH8091010 SIDE FRAME |
| 11 | PLW04M LOCK WASHER 8MM |
| 12 | PN03M HEX NUT M8-1.25 |
| 13 | PLW10M LOCK WASHER 16MM |
| 14 | PH8091014 HEX NUT M16-1.75 |
| 15 | PH8091015 REAR WHEEL ASSEMBLY |
| 16 | PR11M EXT RETAINING RING 25MM |
| 17 | PLW05M LOCK WASHER 12MM |
| 18 | PB25M HEX BOLT M12-1.75 X 25 |
| 19 | PH8091019 LIFTING ARM |
| 20 | PH8091020 SPECIAL BOLT (RIGHT) |
| 21 | PLW12M LOCK WASHER 18MM |
| 22 | PH8091022 TORSION SPRING |

REF PART # DESCRIPTION

| REF PART # | DESCRIPTION |
|------------|---------------------------------|
| 23 | PH8091014 HEX NUT M16-1.75 |
| 24 | PH8091024 LINKING SHAFT |
| 25 | PH8091025 SPECIAL BOLT (LEFT) |
| 26 | PH8091026 PUMP CORE PIN |
| 27 | PH8091027 HANDLE SOCKET |
| 28 | PH8091028 HANDLE SOCKET SCREW |
| 29 | PH8091029 LINKING BLOCK |
| 30 | PH8091030 COTTER PIN 4 X 47MM |
| 31 | PH8091031 PULL SPRING |
| 32 | PH8091032 PEDAL BASE |
| 33 | PH8091033 GEAR |
| 34 | PH8091034 CYLINDER ASSEMBLY |
| 35 | PH8091035 HANDLE |
| 36 | PH8091036 RATCHET AXIS |
| 37 | PW08M FLAT WASHER 16MM |
| 38 | PH8091038 FLAT RATCHET |
| 39 | PLW06M LOCK WASHER 10MM |
| 40 | PN08M HEX NUT M10-1.25 |
| 41 | PW01M FLAT WASHER 8MM |
| 42 | PH8091042 COTTER PIN 2MM X 12MM |
| 43 | PH8091043 MACHINE LABEL |

⚠WARNING

The machine label warns about hazards and ways to prevent injury. The owner of the jack **MUST** maintain the original location and readability of the label. If the label is removed or becomes unreadable, contact Grizzly at (800) 523-4777 or www.grizzly.com to order a new label.

