



IMPORTANT

USE AND CARE GUIDE

For Your

Dunwell Jacks Motorcycle Lift

Know Your Jack

- **Be sure to read these instructions before using and assembling your bottle jack and lift.**

The bottle jack works on the following operating principles. When the release valve is closed, an upward stroke of the jack pedal draws oil from the reservoir into the plunger cavity. Hydraulic pressure holds the valve closed which keeps the oil in the plunger cavity. A downward stroke of the jack pedal release oil into the cylinder, which forces the ram out and raises the saddle. When the ram reaches maximum extension, oil is bypassed back into the reservoir to prevent over extending the ram and possible damage to the jack. Opening the release valve allows oil to flow back into the reservoir. This releases hydraulic pressure on the ram and in turn lowers the saddle.

Attaching Your Bottle Jack

- Remove bottle jack from the shipping box.
- Remove the two nuts located under the base of the bottle jack.
- Align the two bolts in the base of the bottle jack with the two holes located on the jack platform.
- Using a 3/16" allen wrench and a 7/16" socket, attach the nuts to the bolts through the jack platform. Hand tightening is all that is necessary.
- Now you can place the lift bar over the jack saddle. This is accomplished by pulling up on the lift arms of the lift and placing the lift bar over the jack saddle.
- Adjust the saddle of the jack by turning out the screw so that it makes contact with the inside of the lift bar. Usually a 1/2" is all that's required. This is an important step and should be checked periodically to make sure it has not worked itself back down. This aids in getting the full extension out of your jack.

Maintenance of your jack

Checking The Bottle Jack Oil

- The oil level should be filled to the level of the oil filler plug. If the oil is below that level, you will need to add hydraulic oil.
- Position the jack on level ground and be sure the saddle and ram are fully lowered.
- Remove the filler plug.
- Add a high-quality grade hydraulic jack oil. **DO NOT** use hydraulic brake fluid, alcohol, glycerine, detergent, motor oil or dirty oil. Use of any improper fluids can cause serious internal damage.
- While filling do not allow dirt or other foreign matter to enter the hydraulic system.
- After filling, remove any air from the hydraulic system by opening the release valve and rapidly pumping the jack handle several times. Replace the filler plug.

Lubrication

Add lubricating oil to all moving parts as needed. Also check ram for rust or corrosion and clean as needed by wiping with an oily cloth. This is also recommended if you have been storing your bike on your lift for a long time, as dust and dirt can adhere to the ram and damage the seals.

Storage

When not in use always store jack with the saddle and ram lowered all the way down.

Warning:

- This device is a lifting device only. **Be sure to engage safety locks whenever you are working on your bike or storing it.** The safety locks are for your protection.
- Do not overload. Overloading can cause damage or failure of the jack.
- The jack is designed for use on hard, level surfaces only. Use on other than hard, level surfaces could result in instability and loss of load.
- Failure to heed these warnings could result in damage to the jack resulting in personal injury or property damage.

Troubleshooting

Possible Jack Problems

| Jack will not lift load | Jack will lift load, but will not hold | Jack will not lower completely | Poor jack lifting, Pump feel spongy | Jack will not lift to full height | Possible causes and Solutions. Refer to manual for detailed information. |
|-------------------------|--|--------------------------------|-------------------------------------|-----------------------------------|---|
| X | | | | | Release valve not tightly closed. Turn release valve clockwise to tighten. |
| X | | | X | X | Air is in hydraulic system. Release air from system |
| X | X | | X | X | Oil level is low in jack. Add oil as required. |
| | | X | | | 1. If ram is still extended after load is removed, manually push down saddle. 2.Oil reservoir is over-filled. Drain out some oil. 3.Lubrication of moving parts is necessary. |
| | X | | X | | Seals may need replacing. |

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