

User Guide

3-Ton Aluminum Floor Jack

555-80077



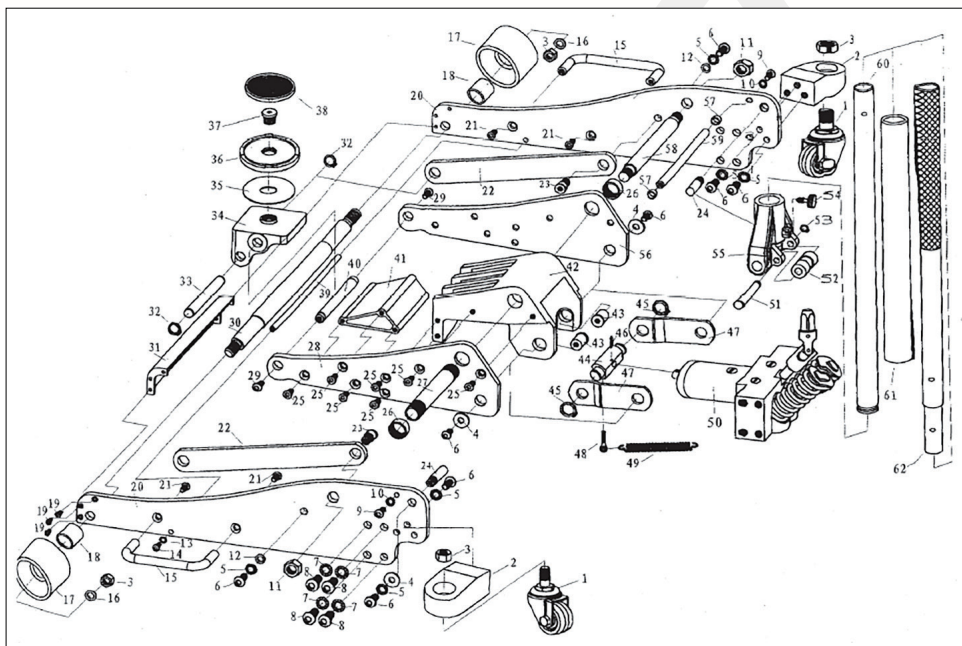
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Specifications

Maximum Capacity	3-Ton
Minimum Height	3.875 in.
Maximum Height	19.500 in.
Chassis Length	25.500 in.
Overall Width	13.000 in.
Handle Length	45.375 in.
Saddle Diameter	4.562 in.
Weight	62 lbs.

Jack Components



PART #	PART	QTY	PART #	PART	QTY	PART #	PART	QTY
1	Rear Caster	2	22	Radius Linkage	2	43	Linkage Pin	2
2	Rear Caster Bracket	2	23	Axle Bolt	2	44	Linkage Block	1
3	Lock Nut (12)	4	24	Yoke Axle	2	45	Retaining Ring (M22)	2
4	Washer (M10)	4	25	Bolt (M10x25)	14	46	Pin (M4x40)	1
5	Star Washer (M10)	10	26	Screw Sleeve	2	47	Linkage	2
6	Bolt (M10x25)	10	27	Axle Sleeve	1	48	Bolt (M6x25)	2
7	Star Washer (12)	8	28	Lift Arm Left Side Plate	1	49	Lift Arm Return Spring	2
8	Bolt (M12x25)	8	29	Bolt (M10x16)	2	50	Power Unit Assembly	1
9	Bolt (M8x25)	2	30	Front Wheel Axle	1	51	Pump Roller Axle	1
10	Star Washer (M8)	2	31	Baffle	1	52	Pump Roller	1
11	Lock Nut (M18)	2	32	Retaining Ring (M16)	2	53	Retaining Ring (12)	1
12	Washer (M10)	2	33	Radius Linkage Axle	1	54	Handle Set Screw	1
13	Star Washer (M6)	2	34	Saddle Base	1	55	Handle Yoke	1
14	Bolt (M6x25)	2	35	Saddle Gasket	1	56	Lift Arm Right Side Plate	1
15	Side Handle	2	36	Saddle	1	57	Rubber Guard	2
16	Washer	2	37	Saddle Bolt	1	58	Lift Arm Axle	1
17	Front Wheel	2	38	Saddle Pad	1	59	Rod	1
18	Bushing	2	39	Rod	1	60	Lower Handle Section	1
19	Bolt (M6x20)	6	40	Saddle Base Axle	1	61	Handle Bumper	1
20	Side Plate	2	41	Lift Arm Core	1	62	Upper Handle Section	1
21	Bolt (M8x25)	4	42	Lift Arm Mounting Plate	1			

Read Before Use

Thank you for your purchase of the JEGS 555-80077 3-Ton Aluminum Floor Jack.

Before using this jack, read this manual thoroughly. Understand the jack's operating procedures, safety warnings, and maintenance requirements.

It is the responsibility of the owner to make sure all personnel read this manual prior to using the device. It is also the responsibility of the device owner to keep this manual in a convenient location for all to see and read.

Verify all components are included before use. If any components are missing or damaged, or if you have any questions contact Tech Support at 1.800.345.4545

Return Information: *Once any component of this floor jack has been modified, it will not be accepted for return.*

Hazardous Situations

The use of a floor jack is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of the equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use.

Examples of hazards are dropping, tipping or slipping of loads caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, and using the jack for a purpose for which it was not designed.

WARNING

Read all of the safety warnings and instructions prior to use.

Failure to follow the warnings and instructions may result in serious injury

Failure to comply with the methods to avoid hazardous situations may result in accidents that could cause serious or fatal personal injury and/or property damage.

Save all warnings and instructions for future reference

Safety

- Read, study, understand and follow all instructions before operating this 3-ton aluminum floor jack.
- Inspect the jack before each use. Do not use jack if damaged, altered, modified, in poor condition, leaking hydraulic fluid, or unstable due to loose or missing components. Make corrections before using.
- Only lift the vehicle at areas on the chassis specified by the vehicle manufacturer in your owners guide.
- Wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Do not use this jack beyond its rated capacity of 3-tons.
- This is a lifting device only. Immediately after lifting, support the vehicle with jack stands capable of sustaining the load before working on the vehicle.
- Use only on a hard level surface free from obstructions. This allows the jack to be free to reposition itself during both the lifting and lowering operations.
- Center the load on the jack's saddle. Be sure your setup is stable before working on vehicle.
- Do not move, or use the jack as a dolly, while the vehicle is raised on the jack.
- Do not use saddle adapters or saddle extenders between the stock lifting saddle and the load.
- Do not use any adapters unless approved or supplied by JEGS.
- Always lower the jack slowly and carefully to avoid injury and/or property damage..
- This product contains one or more chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm. Wash your hands thoroughly after each handling.
- Failure to heed these warnings may result in serious or fatal personal injury and/or property damage.

First Use: Bleeding Pump

IMPORTANT

In most cases the jack should work normally right out of the box, but it is not unusual for air to get trapped in the jack's hydraulic system during shipping and handling.

There are several symptoms of air trapped hydraulic system which include only partial incremental pump stroke, jack will not lift load, jack will not sustain load, or pumping feels spongy under load.

The following procedure will purge air from the hydraulic system and only needs to be done if experiencing the above mentioned conditions.

1. The saddle should be in its lowest position. Remove the oil filler plug in the reservoir of the hydraulic power unit. This plug is located under the cover plate, secured by four screws, behind the lift arm.
2. Look inside the oil fill plug hole. You should be able to see the top of the power unit's cylinder. **The hydraulic fluid level should be no higher than the top of the cylinder.** Correct the fluid level if it is not at the proper height.
3. **CAUTION:** In order to prevent seal damage and jack failure, never use alcohol, hydraulic brake fluid, or transmission oil in the jack. *Use hydraulic jack oil, a light turbine oil, Chevron Hydraulic Oil AW ISO 32 or Unocal Unax AW 150.*
4. Close the release valve by turning the handle clockwise until it stops. Pump the jack against a load of at least 500 pounds (225 Kgs). After the load is raised to maximum height, slightly turn the handle in a counter-clockwise direction so the load is very slowly lowered, while simultaneously, and quickly, pumping the handle 5 or 6 full incremental pump strokes. After pumping, lower the lift arm to its full rest position.
5. Install the oil fill plug. Rotate the handle in a clockwise direction until tight and pump the lift arm to maximum height without a load.
6. If after these steps the pumping condition has improved, repeat steps 3) through 4) until all the air has been purged from the system.
7. Reinstall the cover plate

Operation - Raise

1. Turn the handle in a clockwise direction until tight.
2. Position the jack under the load.
3. Proceed to pump the handle in order to raise the lift arm to the load. As the saddle at the end of the lift arm gets closer to the load, reposition the jack so the saddle will contact the load firmly and the load is centered on the saddle.
4. Make sure the saddle is correctly positioned. Raise the load to the desired work height.
5. Place a pair of jack stands of an appropriate capacity at the vehicle manufacturer's recommended support areas that provide stable support for the raised vehicle.
6. **DO NOT CRAWL UNDER VEHICLE WHILE LIFTING VEHICLE OR PLACING OR REMOVING THE JACK STANDS!**
7. Once jack stands are positioned, turn the handle counter-clockwise **VERY SLOWLY**. Lower the load to rest on the jack stands.
8. Inspect the relationship between the jack stands and load to make sure the setup is stable and safe. If the setup is not stable or safe, follow the preceding steps until a stable setup is achieved.

Operation - Lower

1. Follow the procedures mentioned in the "Operation - Raise" section of this manual in order to raise the load off the jack stands.
2. Once the load has cleared the jack stands, remove the jack stands from under the load and away from the work area.
3. Turn the handle very slowly in a counter-clockwise direction until the load is completely lowered onto the ground.
4. Once the jack's lifting saddle has cleared the load, remove the jack from under the load.
5. **CAUTION:** Keep hands and feet away from the hinge mechanism of the jack.

Preventative Maintenance

1. Always store the jack in a well-protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements. The jack must be cleared of water, snow, sand or grit before using.
2. The jack must be lubricated periodically in order to prevent premature wearing of parts. General purpose grease must be applied to all zerk grease fittings, caster wheels, front axle, elevator arm, handle base pivot bolts, release mechanism and all other bearing surfaces. Worn parts resulting from inadequate or no lubrication are not eligible for warranty consideration. See lubrication instructions.
3. It should not be necessary to refill or top off the reservoir with hydraulic fluid unless there is an external leak. An external leak requires immediate repair which must be performed in a dirt-free environment by an authorized service center.
4. Every jack owner is responsible for keeping the jack labels clean and readable. Use a mild soap solution to wash external surfaces of the jack but not any of the moving hydraulic components.
5. Inspect the jack before each use. Do not use the jack if any component is cracked, broken, bent, shows sign of damage or leaks hydraulic fluid.
6. Do not use the jack if it has loose or missing hardware or components, or is modified in any way. Take corrective action before using the jack again.
7. Any hydraulic repairs within the warranty period must be performed by an authorized service center.

IMPORTANT

In order to prevent seal damage, and jack failure, do not use alcohol, hydraulic brake fluid or transmission oil in the jack.

Use Chevron Hydraulic Oil AW ISO 32, or its equivalent Unocal Unax AW 150.

Inspection

- A visual inspection should be made before each use of the jack, checking for leaking hydraulic fluid, and damaged, loose or missing parts.
- Each jack must be inspected by a manufacturer's repair facility immediately if subjected to an abnormal load or shock.
- Any jack which appears to be damaged in any way, is found to be badly worn, or operates abnormally **MUST BE REMOVED FROM SERVICE** until necessary repairs are made by a manufacturer's authorized repair facility.
- It is recommended that an annual inspection of the jack be made by a manufacturer's authorized repair facility and that any defective parts, decals or warning labels be replaced with manufacturer's specified parts.
- A list of authorized repair facilities is available from JEGS.

Proper Storage

It is recommended that the jack be stored in a dry location with all wheels touching the ground on a relatively level surface.

Troubleshooting

Service jacks are self-contained devices used for lifting, but not sustaining, a partial vehicular load.

In accordance with ASME-PALD Load Sustaining Test: "A load not less than the rated capacity...shall not lower more than 1/8" (3.18mm) in the first minute, nor a total of .1875" (4.76mm) in 10 minutes." Lowering within this range is considered normal operation and is NOT a warrantable defect.

Owner Responsibility

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this jack.

Personnel involved in the use and operation of this jack shall be careful, competent, trained, and qualified in the safe operation of this floor jack and its proper use when servicing motor vehicles and their components.

All warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warning 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.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

Owner and/or user is responsible for keeping all warning labels and instruction manuals legible and intact.

Replacement labels and literature are available from the manufacturer.

Hydraulic Maintenance Guide

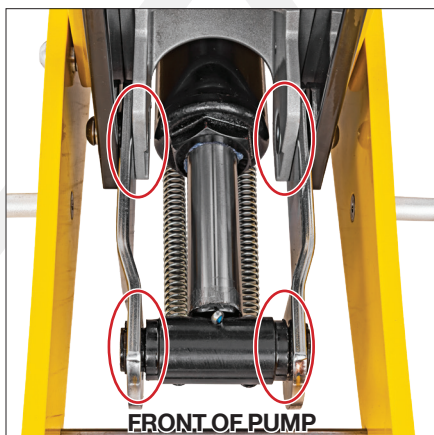
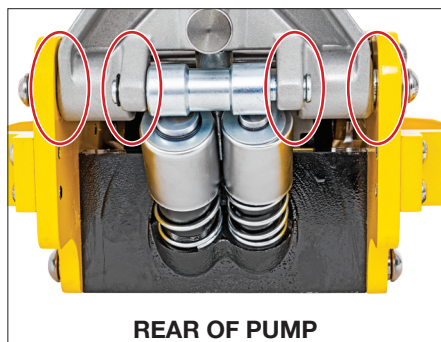
Perform the following monthly, or as necessary (depending on usage)

See following page, Pg. 10, for grease and lubrication points.

1. Using a grease gun, add grease to grease fitting in the lift arm pivot shaft. (Use multi-purpose NLGI type grease only.)
2. Lubricate all linkages and pivot points. (Use white lithium spray grease only.)
3. Remove handle; lubricate handle receptacle and handle end. (Use white lithium spray grease only.)
4. Lubricate both rear casters, bearing and both front wheels. (Use white lithium spray grease only.)
5. Tighten all accessible hardware.

Hydraulic Maintenance Chart

Lubricate at points circled in images.





If any components of this 10-Ton 3-Jaw Hydraulic Gear Puller are missing or damaged, or if you have any questions contact us at 1.800.345.4545

Return Information: *Once this hydraulic gear puller has been modified, it will not be accepted for return.*