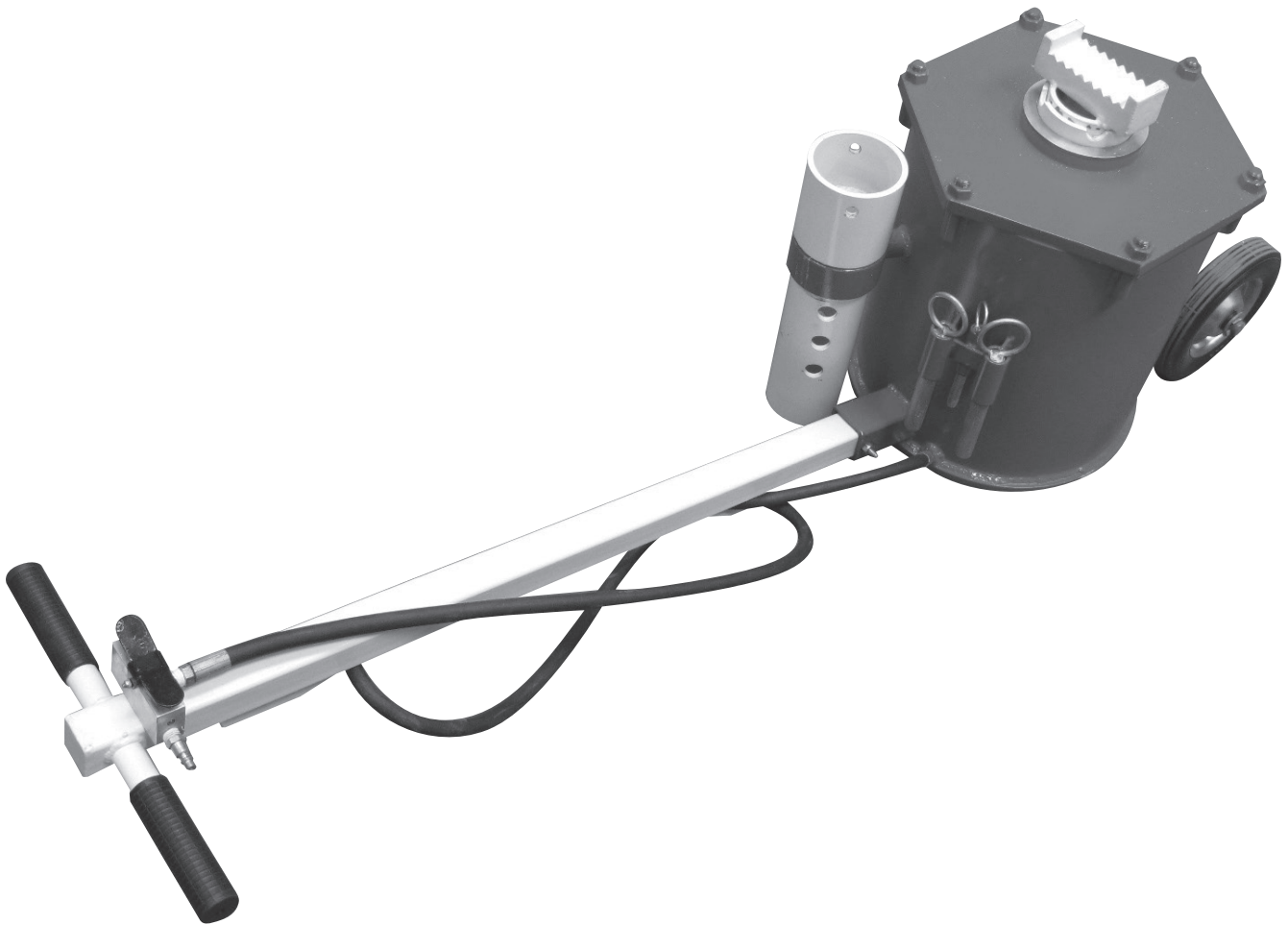


MANUAL

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SPECIFICATIONS

Capacity.....	10 Tons @ 100 psig	Overall Width	13.625"
Minimum Height	17.75"	Saddle	2" x 5"
Maximum Height with Extension Tubes.....	49"	Wheel Diameter	8"
Ram Travel.....	11.5"	Handle Length	37.5"
Overall Length	58"	Shipping Weight	176 lbs.

Complies with ASME PASE-2014 Safety Standard

WARNING INFORMATION



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS 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 intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Sunex for replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.






THE NATURE OF HAZARDOUS SITUATIONS

WARNING

The use of portable automotive lifting devices 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 equipment for a purpose for which it was not designed.

METHODS TO AVOID HAZARDOUS SITUATIONS

WARNING

-  • Read, study, understand, and follow all instructions before operating this device.
-  • Inspect the jack before each use. Do not use jack if damaged, altered, modified, in poor condition, leaking air, or unstable due to loose or missing hardware or parts. Make repairs before using.
- A jack believed to be subjected to abnormal or shock load should be inspected by an authorized service center.
- It is the jack owner's responsibility to make sure only trained personnel use this device.
- No alterations or modifications shall be made to this device.
- No attachments and/or adapters shall be used unless supplied by Sunex and intended to be used on this specific device.
- Lift and support only areas of the vehicle as specified by the vehicle manufacturer.
-  • Wear eye protection that meets ANSI Z87.1 and OSHA standards. (users and bystanders)
-  • This jack can be used as a jack stand after the load is lifted but should be used in a matched pair to support one end of a vehicle only. Jacks used as jack stands are not to be used to simultaneously support both ends or one side of a vehicle.
- When using this jack as a jack stand, the second large support pin provided should be put through the ram tube leaving enough pin exposed on either side of the ram tube to rest on top of the jack's sleeve when the air is slowly released for lowering. The air in the jack should be completely released when the pin is resting on the jack's sleeve.
-  • **No persons should be under vehicle when jack is in use.**
- Make sure the setup is stable before working on vehicle.
- If jacks are used in pairs, lifting the load is not synchronized and the operator should be careful to lift one jack at a time in reasonable short increments to prevent unstable conditions.
- If the jack is not used to support the load, immediately place two jack stands in the designated locations recommended by the vehicle manufacturer. Jack stands are to be used in a matched pair to support one end of a vehicle only, not to support both ends or one side of a vehicle.
- Never use the saddle's locating lugs on the jack's or jack stands to lift or support the load.
- Do not use jack beyond rated capacity. Lift only dead weight.
- Do not exceed 200 psig input air pressure.
- Center load on saddle.
- Use only on hard, level surface.
- Always lower the jack slowly and carefully.
- This product may contain one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands thoroughly after handling.*
- Failure to heed these warnings may result in serious or fatal personal injury and /or property damage.

OWNER'S MANUAL

CONSEQUENCES OF NOT AVOIDING HAZARDOUS SITUATIONS

WARNING

Failure to read this manual completely and thoroughly, failure to understand its OPERATING INSTRUCTIONS, SAFETY WARNINGS, MAINTENANCE INSTRUCTIONS and comply with them, and failure to comply with the METHODS TO AVOID HAZARDOUS SITUATIONS could cause accidents resulting in serious or fatal personal injury and/or property damage.

SETUP INSTRUCTIONS

PLEASE REFER TO THE EXPLODED VIEW DRAWING IN THIS MANUAL IN ORDER TO IDENTIFY PARTS.

1. Refer to the exploded view parts drawing to identify parts mentioned in this setup procedure.
2. Insert the "T" handle in the jack's handle receiver and secure it with the bolt and locknut provided. Make sure the hose bars on the "T" handle are facing up.
3. Install the air disconnect fitting of your choice in the jack's air valve.
4. The air hose can be looped around the hose bars on the "T" handle when not being used.

OPERATING INSTRUCTIONS



This is the safety alert symbol used for the OPERATING INSTRUCTIONS section of this manual to alert you to potential personal injury hazards. Obey all instructions to avoid possible injury or death.

IMPORTANT: Before attempting to raise any vehicle, check vehicle service manual for recommended lifting surfaces.

OPERATION:

1. Become familiar with the two position air valve. Depressing the air valve lever closest to where the shop air hose is connected to the valve will raise the ram for lifting. Depressing the air valve lever in the opposite direction will lower the load.
2. **IMPORTANT:** Before lifting load, become familiar with the use of the jack's ram tube, saddle tube, extension tube and pins provided. While jack is pressurized, a sudden loss of load will cause ram tube, saddle tube and/or extension tube to rise with sufficient force to cause severe personal injury and/or property damage. One pin is used for positioning the extension tube or the saddle tube in the ram at the desired height. The pin should be put through the desired hole in the extension tube or saddle tube, leaving enough pin exposure on either side of the pin to rest in the half cutout holes in the top edge of the ram tube. When using the saddle tube with the extension tube, make sure they are secured together by using the smallest of the three pins.
3. With the jack in the lowered position, push the jack under the vehicle. **IMPORTANT:** use the manufacturer's recommended lifting procedures and lifting points before lifting loads. Position the jack at the designated lift point. Estimate the required ram travel to raise the vehicle to the desired height. If the desired vehicle height exceeds the entire ram travel, adjust the saddle and/or ram tube(s) to make up the difference.
4. Chock the vehicle's tires that will not be lifted off the ground prior to lifting the vehicle and if available, apply the emergency brake or any other method of braking.
5. Depress the air valve lever to raise the saddle close to the designated lift point. Make sure the designated lift point is flat, parallel to the ground and free from grease, any kind of lubricant, or debris. Do not use the saddle's locating lugs to lift or support the load.
6. It will be necessary to use 200 psig input air pressure to achieve the full 10 ton jack lifting capacity. Once the saddle is properly aligned with the designated lift point, proceed to lift the vehicle to the desired height. During lifting, inspect the position of the jack in relation to the ground and the saddle in relationship to the load to prevent any unstable conditions from developing. If conditions look like they are becoming unstable, slowly lower the load and make appropriate setup corrections after the load is fully lowered.
7. When the vehicle is lifted to its desired height, immediately place jack stands in the designated locations recommended by the vehicle manufacturer to support the load. Adjust the stands' support columns up as close to the designated vehicle support points as possible. Although jack stands are individually rated, they are to be used in a matched pair to support one end of a vehicle only. Stands are not to be used to simultaneously support both ends or one side of a vehicle. Depress the air valve very slowly to gently and slowly lower the vehicle onto the jack stands. Make sure the vehicle is safely supported by the jack stands' saddles and not the locating lugs of the saddles. Inspect the relationship of the jack stands with the ground and the jack stand columns and saddles with the vehicle to prevent any unstable conditions. If the conditions look unstable, depress the air valve very slightly to gently and slowly raise the vehicle off the jack stands. Make the appropriate setup changes and slowly and carefully lower the vehicle onto the jack stand saddles.
8. In some situations, this jack can be used as a jack stand but should be used in a matched pair to support one end of a vehicle only. Jacks used as jack stands are not to be used to simultaneously support both ends or one side of a vehicle. In order to use this jack as a jack stand, the second large pin provided should be put through the ram tube, leaving enough pin exposed on either side of the ram tube to rest on top of the cylinder sleeve when the air is slowly released for lowering. The air in the cylinder should be completely released when the pin is resting on the cylinder sleeve. Regardless of using this jack for lifting purposes or jack stand purposes, make sure the setup is stable. If the jacks are used in pairs, it is important to remember the lifting of the load is not synchronized and the operator should be very careful to lift one jack at a time in reasonably short increments to prevent unstable conditions.

OWNER'S MANUAL

9. After work is done, depress the air valve to raise the vehicle just high enough to clear the jack stand saddles. Be sure load is stable. If it is not, lower the load back onto the jack stands. Make appropriate setup corrections and repeat the step again. Remove the jack stands from under the vehicle, being very careful not to move the vehicle. After the jack stands are removed, very slowly and carefully lower the vehicle down to the ground.

PREVENTATIVE MAINTENANCE



This is the safety alert symbol used for the PREVENTATIVE MAINTENANCE section of this manual to alert you to potential personal injury hazards. Obey all instructions to avoid possible injury or death.

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 cleaned of water, snow, sand, grit, oil, grease or other foreign matter before using.

IMPORTANT: Water can enter the jack's cylinder through the shop's compressed air system or the top of the jack where the ram is located. Water can enter the top of the jack if left out in inclement weather or used near a wash rack or place where water/fluid pressure is used to clean the underside of vehicles or other components. Water in the jack's cylinder can cause the interior wall of the cylinder to rust and cause damage to the ram's air seal rendering the jack inoperable. An inoperable jack caused by rust or contamination is not eligible for warranty consideration. A jack believed to contain water must be serviced at an authorized repair center as soon as possible.

2. The jack must be lubricated periodically in order to prevent premature wearing of parts. A general purpose grease must be applied to the axle where the wheels rotate and a very thin coat on the ram. Do not lubricate any portion of the lift saddle and make sure the saddle is free from grease, any kind of lubricant, or debris before using the jack. Use a high quality grease to lube the cylinder wall.
3. An air leak requires immediate repair which must be performed in a dirt-free environment by qualified hydraulic repair personnel who are familiar with this equipment. Authorized Service Centers are recommended.
4. Every jack owner is responsible for keeping the jack label clean and readable. Contact Sunex for a replacement label if your jack's label is not readable.
5. Inspect the jack before each use. Do not use the jack if any component is cracked, broken, bent, shows signs of damage, or leaks air. 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.
6. Do not attempt to make any repairs unless you are a qualified repair person that is familiar with this equipment.

INSPECTION

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 the manufacturer.

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

Assuming the source of compressed air is functioning properly and supplying air pressure to the jack's air valve, the only causes for a jack's inability to lift a load would be the jack's air valve is blocked or its ram seal is damaged. In either case, the jack must be taken to an authorized service center for repair.

OWNER/USER 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 equipment shall be careful, competent, trained, and qualified in the safe operation of the equipment and its proper use when servicing motor vehicles and their components. 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.

