



CSE1500

1500 Lb. Engine Sling

OPERATING MANUAL • WARNING INFORMATION • PARTS LIST



SPECIFICATIONS

Capacity 1500 Lb.
Overall Length 18"
Shipping Weight 14.3 Lbs.

Manufactured to comply with the
ASME PASE-2019 Safety Standard

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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 Cornwell 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 attachments, adapters, and accessories with portable automotive lifting devices are 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 before each use. Do not use if damaged, altered, modified, in poor condition or has loose or missing components. Take corrective action before using.



- Do not exceed rated capacity.
- This product was not designed for overhead lifting applications. Stay out from under a load being lifted or suspended.
- Support device only. Install or remove the engine support tool only after lifting and securing the engine
- Do not spread the load bearing chains more than a total of 90°.



- User and bystanders must wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Assure the load is secured to the device.
- Make sure tool foot contact points can support the load.
- Attach all four chains to the load being lifted.
- Position the tool on areas of the vehicle as specified by the vehicle manufacturer.
- No alterations shall be made to this device.
- Use only replacement parts approved by the manufacturer.
- Failure to heed these warnings may result in serious or fatal personal injury and/or property damage.



WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CONSEQUENCES OF NOT AVOIDING HAZARDOUS SITUATIONS

WARNING

Failure to read this manual completely and thoroughly, understand its OPERATING INSTRUCTIONS, SAFETY WARNINGS, MAINTENANCE INSTRUCTIONS and not comply with them, and neglecting the METHODS TO AVOID HAZARDOUS SITUATIONS could cause accidents resulting in serious or fatal personal injury and/or property damage.



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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.

The load leveler is designed to be used with a portable shop crane to handle and position engines and other large vehicle components. The drive screw adjusts the sling's lift point in relation to the mounting chains to compensate for off-center loads, or adjusts to a certain angle for component removal or installation.

1. Attach the shop crane's hook or attachment device to the oval link at the top of the sling's lifting block. Make sure the connection is secure.
2. Lift only on the areas of the engine or component as specified by the vehicle manufacturer. Make sure that all four chains are securely fastened to the load.
3. Before lifting make sure that all fuel and electrical lines and components are clear of the load.
4. Lift the load just high enough to locate the center of balance or the desired angle in which the load can be removed. This adjustment is accomplished by turning the sling's drive screw in a clockwise or counterclockwise rotation.

PREVENTATIVE MAINTENANCE

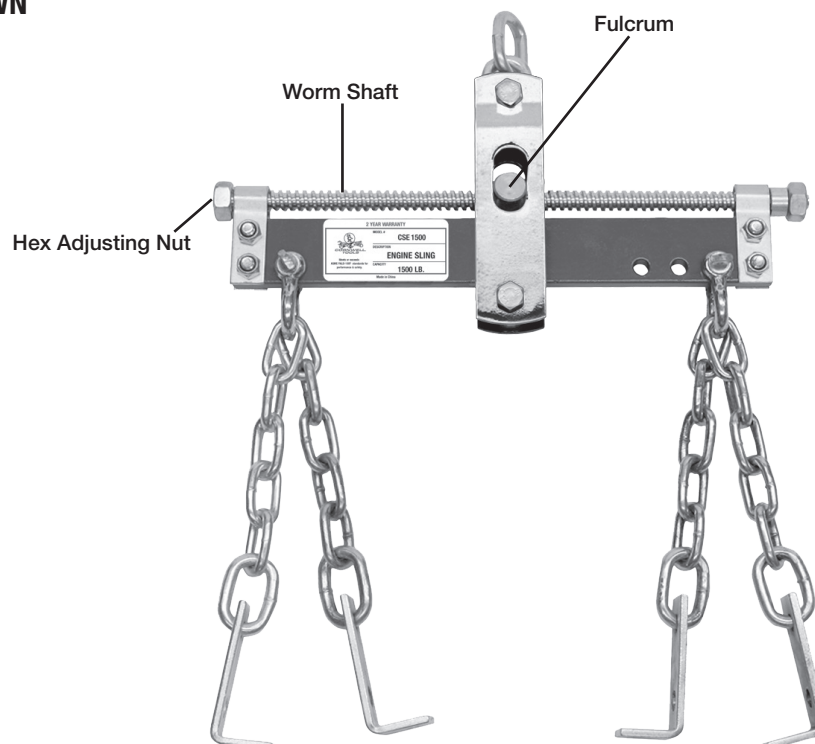


This is the safety alert symbol used for the PREVENTATIVE MAINTENANCE section of this manual to alert you to potential personal injury hazards. Obey all instructions to avoid possible injury.

IMPORTANT: Any leveler found to be defective as a result of worn parts due to lack of lubrication is not eligible for warranty consideration.

1. Always store the leveler in a well protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements.
2. The leveler must be lubricated periodically in order to prevent premature wearing of parts. A general purpose grease must be applied to the threads on the screw.
3. Every sling owner is responsible for keeping its label clean and readable.
4. Do not attempt to make any repairs unless you are a qualified repair person that is familiar with this equipment.

PARTS BREAKDOWN



NOTE: each replacement chain available separately as Part# RSECHAIN
Also available: product label kit, Part #RSCSE1500PLK



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WARRANTY COVERAGE

Cornwell Quality Tools Company ("Cornwell") warrants this product against defects in material and workmanship for a period of TWO (2) YEAR from the date of original retail purchase. Subject to the conditions and limitations set forth below, Cornwell will, at its option, either repair or replace any part of the product(s) that proves defective by reason of improper workmanship or materials.

This warranty does not cover any damage to this product that results from accident, abuse, misuse, natural or personal disaster, or any unauthorized disassembly, repair, or modification. Repairs, disassembly and modification are only authorized to be made by Cornwell or a Cornwell Authorized Warranty Center.

WARRANTY SERVICE

In order to have your tool repaired, return the tool to any Cornwell Authorized Warranty Center, freight prepaid. Please include a copy of your proof of purchase and a brief description of the problem. The tool will be inspected and if any part or parts are found to be defective in material or workmanship, they will be repaired free of charge, and the repaired tool will be returned to you freight prepaid.

EXCLUSIONS AND LIMITATIONS

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Repair kits and replacement parts are available for many Cornwell products, regardless of whether or not the product is still covered by a warranty plan.