

OPERATION INSTRUCTIONS

REFER TO VEHICLE MANUFACTURE'S APPROVED SERVICE MANUAL FOR PROPER ENGINE REMOVAL/INSTALLATION PROCEDURE

1. Attach engine leveler to crane or overheard hoist.
2. Attache angled brackets to engine head bolts, intake or other suitable position. Bolts must be long enough to thread into engine block to a depth of at least 1/2 in. Make sure all connections are tight before proceeding.
3. Raise engine leveler enough to remove slack from chains. Lower and adjust chains if necessary.
4. Raise engine enough to check balance. Turn adjusting nut to balance engine if necessary
5. Refer to vehical manufacturer's approval service manual for proper engine removal peocedure. Slowly raise engine, using adjusting nut to guide engine up and out of engine compartment.
6. Secure engine to engine stand or suitable stand configuration. Never leave engine hanging from lifting device.

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PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

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3/4 TON ENGINE LEVELER

Stock Number W41030

OWNER'S MANUAL



▲WARNING: READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

PT
Performance Tool

Performance Tool®

SPECIFICATIONS:

Capacity.....	1,500 lbs (680Kilo)
Product Dimensions.....	2.6 x 18.4 x 7.2 in. (22 x 104 x 8cm)
Weight.....	2.2 lb. (5.420Kilo)
Support Screw Travel.....	12 in. (30.48 cm)

Specifications are subject to change without notice.

SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

▲ **WARNING:** Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage! The following signal words are used to emphasize safety warnings that must be followed when using this product.

▲ **DANGER:** Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

▲ **WARNING:** Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

▲ **CAUTION:** Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

▲ **NOTE:** Indicates important information, which if not followed, MAY cause damage to equipment.

SAFETY INFORMATION

Read these safety warnings before operation.

▲ **WARNING!**

Failure to read, understand and follow these warnings may result in engine leveler failure resulting in death, personal injury and/or property damage.

▲ **WARNING!**

Do not overload engine leveler beyond 1,500 lbs. Overloading can cause damage to or failure of the engine leveler.

Always use engine leveler in conjunction with crane or overhead hoist having a load capacity of at least 1 ton (2,000 lbs.) Always use lifting device on hard, level surface capable of sustaining the load.

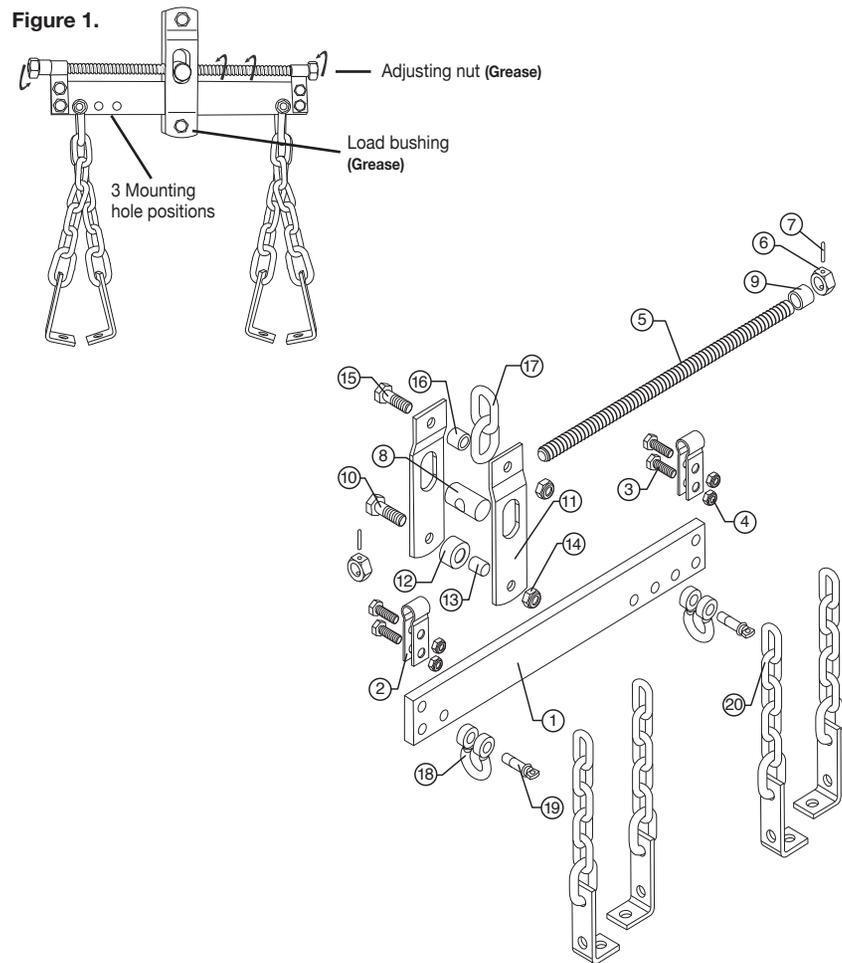
Boom and load must be in lowest possible position before moving. Move load slowly and smoothly to avoid uncontrolled swinging and possible loss and load.

Never leave suspended load unattended.
Never work under load.

MAINTENANCE & INSPECTION

1. Visual inspection shall be made before each use of the engine leveler, checking for cracks, cracked welds and missing and /or damaged parts. Any engine leveler that appears to be damaged in any way shall be removed from service immediately
2. **BECAUSE OF THE POTENTIAL HAZARDS ASSOCIATED WITH THE MISUSE OF EQUIPMENT OF THIS TYPE, NO MODIFICATIONS SHALL BE MADE TO THE PRODUCT.**
3. Periodic lubrication of engine leveler will ensure smooth operation. Apply grease to bushings and threaded shaft as shown in figure 1.

Figure 1.



PARTS LIST

No.	Description	Qty.	No.	Description.....	Qty.
1	Cross Bar	1	11	Hanging Plate.....	2
2	Spring Hanger.....	2	12	Outer Sleeve	1
3	Bolt M10x30.....	4	13	Inner Sleeve	1
4	Nylon Nut M10	4	14	Nylon Nut M12.....	2
5	Threaded Rod	1	15	Bolt M12x40.....	2
6	Nut	2	16	Spacer.....	1
7	Cotter Pin.....	2	17	Center Anchor Chain.....	1
8	Adjustment Nut	1	18	Rigging.....	2
9	Spacer.....	1	19	Rigging.....	2
10	Bolt M12x25.....	1	20	Chain Assembly.....	4