KINCROMEC®
PROFESSIONAL QUALITY TOOLS

ENGINE LEVELLER

680KG MAX CAPACITY

SUITABLE FOR ENGINE CRANES & HOISTS

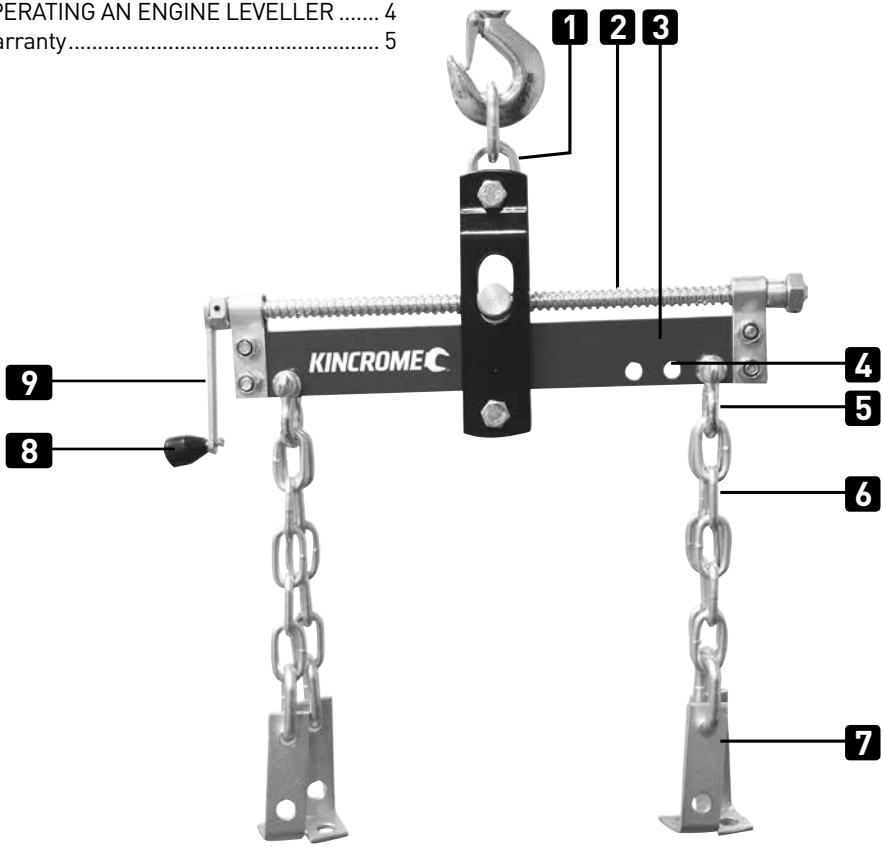
TILTS FORWARD & BACK

4 POINT HEAVY DUTY MOUNTING SYSTEM

K12175
ED1/Dec 17

ENGINE LEVELLER 680KG

Table of Contents



Know Your Product

1. Lifting Chain
2. Threaded Rod
3. Leveller Beam
4. Additional Shackle Holes
5. Shackles
6. Chains
7. Support Brackets
8. Handle
9. Crank

Product Specifications

Part No:..... **K12175**
Safe Working Load:..... **680kg**
Weight:..... **5.5kg**
Adjustable Length:..... **0-300mm**

IMPORTANT SAFETY INFORMATION

WARNING! Dynamic Loads, (load which swings, slips from centre or moves quickly) can exert a force much greater than their physical mass (weight) resulting in failure of the Leveller and/or loss of the load leading to property damage, personnel injury or even death.

a. The use of an engine Leveller has inherent dangers to avoid risk of personal injury or property damage make sure you are fully aware of the operating instructions for this product and any recommendations in the vehicle owners manual prior to using this tool.

b. Do not exceed maximum lifting capacity of this engine leveller.

c. This engine Leveller is intended for automotive and small engine use only.

d. Be aware that large or heavy engines may exceed the stated capacity check vehicle owners manual or contact the engine manufacturer.

e. Do not use for any other purpose except the supporting of an engine on a suitable lifting device.

f. The warnings, cautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and cautions are factors which cannot be built into this product, but must be supplied by the operator.

UNPACKING AND ASSEMBLING STAND

UNPACKING CARTON

Place carton in a clear, open area such as garage floor. Remove components and lay them out neatly on selected work surface. Make sure all nuts, bolts, washers, and pins, are properly assembled, Keep L brackets safely stored until needed.

ASSEMBLY INSTRUCTIONS

CAUTION: Supporting an engine using an engine Leveller can be dangerous. This engine Leveller is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of an engine leveller, do not use until proper training and knowledge have been obtained.

1. The Handle (8) needs to be positioned on the Engine Leveller before use.
To do this:

2. Remove the screw holding the knob to the Handle (8).

3. Place the Handle (8) outside of the Crank (9) and replace the screw.

OPERATING SUPPORT BAR

Preparing Work Area

Caution: Before using the Engine Leveller, it is important to prepare work area properly. Follow this procedure each time the Leveller is used to help prevent property damage and or serious injury.

1. Thoroughly inspect Engine Leveller for damage or wear before each use. Briefly test operation of unloaded Leveller before using to support any load. If Leveller is damaged or is malfunctioning DO NOT SUPPORT ANY LOAD until the problem is corrected.
2. Consult vehicle owner's manual for safety precautions, engine weight, and location of support areas on engine. The safe working load limit of this Engine Leveller is between 680kg. NEVER EXCEED THE SAFE WORKING LOAD LIMIT OF THE ENGINE LEVELLER.
3. Loads which are allowed to swing or move of centre can exert a force greater then the weight of the object lifted. Make sure load is secured and not able to move from the vertical lifting line.
4. Clear children and others from work area before commencing work. Another adult should be nearby for extra safety and assistance but must be clear of vehicle as it is worked on.
5. Clear obstructions from work area. Working in tight or cluttered work areas is dangerous.
6. Be sure vehicle is on solid, level ground such as paved or concrete driveway or garage floor. Uneven or sloped surfaces create hazardous working conditions and dangerously impeded the function of the support bar.
7. With vehicle in proper position, set vehicle's parking brake or emergency brake and put gearshift in park (manual transmissions should be placed in lowest gear). TURN VEHICLE IGNITION OFF AND TO THE "LOCK" POSITION making sure steering wheel locks.
8. Chock all wheels of vehicle to prevent vehicle rolling. Using wedge-shaped blocks that tyre cannot roll over, position one chock tight against the tyre in both forward and reverse rolling paths.

Operation

Caution: Follow all instructions and precautions below and those of the lifting device.

1. **NEVER work under an engine supported by a lifting device. Never place and part of you body under an engine supported by am engine leveller.**
2. With Engine Leveller properly assembled, place the Engine Leveller onto the lifting device making sure instruction from both devices are adhered too.
3. Attach Chains (6) (with or without Support Brackets (7) to the engine, making sure the device is securely attached to the engine and is suitably rated to hold the weight.
4. Slowly lift load via lifting device until it just about to bear load, check the Engine Leveller is securely connect to the engine and the Engine Leveller appears level.
5. Inspect engine securing device making sure it is properly attached to the engine.
6. Remove bolts from the engine mounts. Slight adjustment of the Engine Leveller may be required by cranking the Handle (8) to maintain engine position after other fasteners are loosened or removed.
7. Never leave an engine suspended by an Engine Leveller and other lifting device – the product is intended for short term use during repair. As soon as is practicable engine should be transfered to an Engine Stand and Engine Leveller removed.

Working on an Engine

Any engine being supported by an Engine Leveller creates a potentially hazardous working environment.

Never place any part of your body beneath an engine supported by an Engine Leveller. Work should only be attempted on the removed engine once it is no longer supported by a lifting device, either securely attached to an engine stand or other suitable supporting device.

Maintenance and Storage

Lubricating

Moving parts on Engine Leveller should be lubricated occasionally with a light machine oil to maintain efficient operation.

Cleaning

Engine Leveller should be wiped clean with soft cloth only. Do not use gasoline, kerosene, or other such solvents or any abrasive cleanser.

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