

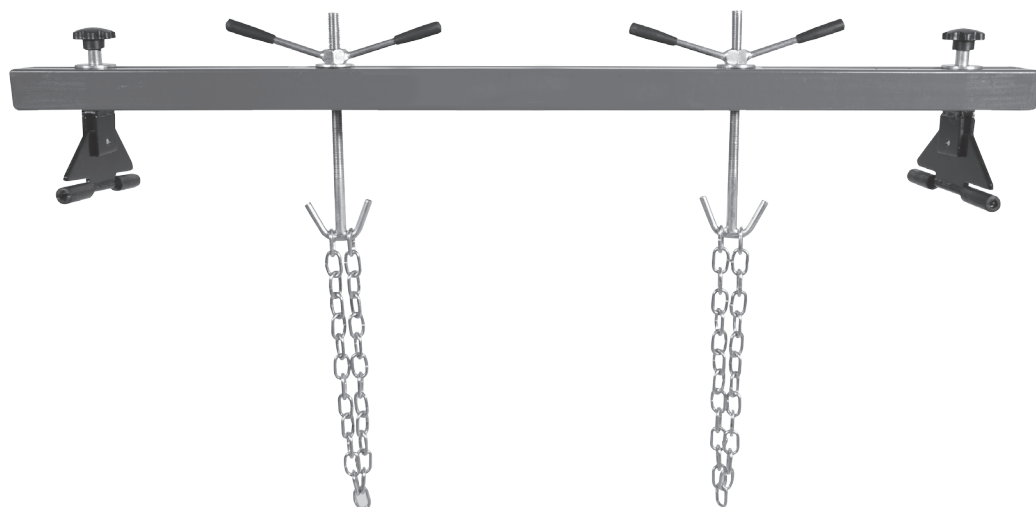
500KG ENGINE SUPPORT BAR

SUPPORT
ENGINE
WITHOUT
EXTRACTION

ADJUSTABLE
LENGTH
730-1480MM

ADJUSTABLE
HEIGHT
0-205MM

500KG
WEIGHT
CAPACITY



K12140

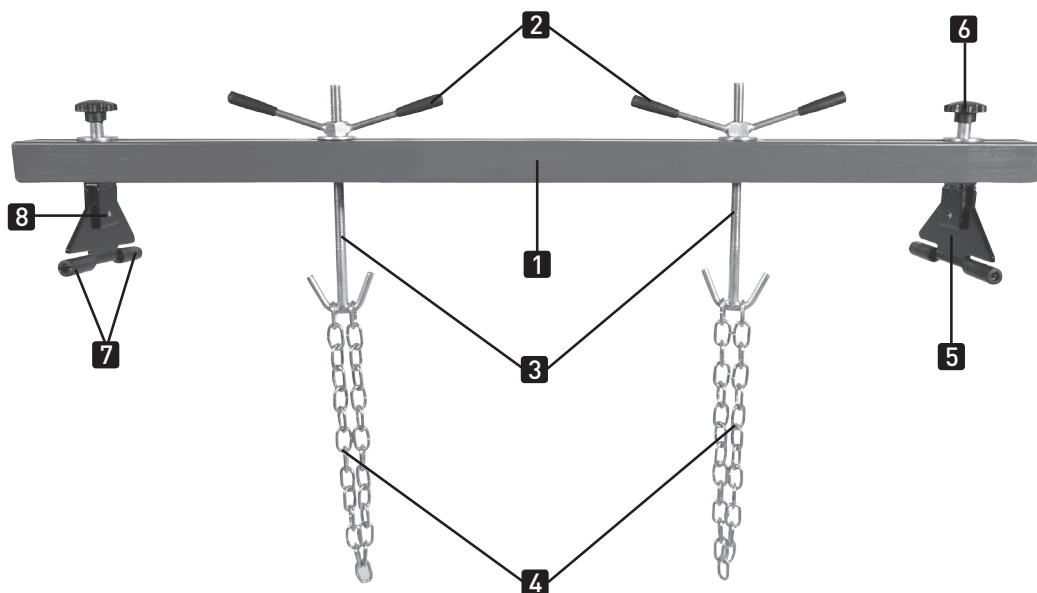
ED1 DECEMBER 2016

Table Of Contents

Know Your Product	2
Engine Support Bar Safety Instructions	3
Assembly and Operation Instructions.....	3-4
Cleaning, Maintenance & Storage.....	4
Spare Parts List & Diagram.....	5
Warranty.....	5

Know Your Product

1. Support Beam
2. Grip Handles
3. Screw Adjusters
4. Support Chains
5. Support Brackets
6. Lock Nuts
7. Rubber Feet
8. Support Block



Specifications

Model No:	K12140
Safe Working Load:.....	500kg
Adjustable Length:.....	730-1480mm
Adjustable Height:.....	0-205mm
Weight:	19.00kg

IMPORTANT SAFETY INFORMATION

Read and follow operating instructions and warnings and familiarise yourself with the Engine Support Bar before using. Review instructions and warnings periodically, to maintain awareness.

The use of an engine support bar 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. Do not exceed the safe working load of this engine support bar. This engine support bar is intended for automotive use only. Be aware that large or heavy engines may exceed the stated capacity. Check vehicle owners manual or contact the engine manufacturer. Do not use for any other purpose except the supporting of an engine in the engine bay.



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

WARNING! This is a support bar, not a lifting device. It is meant only to keep an installed engine in place while repairs are undertaken.

UNPACKING

1. Place carton in a clear, open area such as garage floor.
2. Remove components and lay them out neatly on selected work surface.
3. Make sure all nuts, bolts, washers, and pins, are properly identified and placed safely until needed.
4. Ensure all packaging materials are disposed of as per your local council guide lines.

ASSEMBLING THE ENGINE SUPPORT BAR

1. Lay Support Beam (1) out on a firm surface. Make sure there is sufficient room to assemble the support bar (1) and to move it a side once assembled.
2. Holding Support Brackets (5) place Support Block (8) over Support Brackets (5) and secure with the supplied M12x25 bolt.
3. Remove the lock knob from the Support Block (8), fit the washer (with ID 20mm) on to thread and pass threaded end of the Support Block (8) through the Support Beam (1), fit the washer (with ID 12mm) and lock knob and fastened.
4. Repeat step 2 for second Support bracket and Support block (8).
5. Pass Screw Adjusters (3) through support beam (1) and secure with the supplied washer and Grip handles (2).
6. Repeat step 4 for second Screw Adjuster (3).
7. Ensure all bolts and knobs are fully tightened. The Engine Support Bar is now fully assembled.

PREPARING WORK AREA

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

1. Thoroughly inspect support bar for damage or wear before each use. Briefly test operation of unloaded support bar before using to support any load. If bar 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 of this engine support bar is 500 kg. NEVER EXCEED SAFE WORKING of support bar.
3. Loads which are allowed to swing or move of centre can exert a force greater then the weight of the object supported. Make sure load is secured and not able to move from the vertical support 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.

OPERATING THE ENGINE SUPPORT BAR



WARNING! Any engine being supported by an engine support bar creates a potentially hazardous working environment. Never place any part of your body beneath an engine supported by an engine support bar. Work should only be attempted on the removed engine once it is no longer supported by the crane, either securely attached to an engine stand or other suitable supporting device.

1. With support bar properly assembled, place the support bar across the engine bay with the support brackets (5) flush against channel, do not place on panel, or any other surface which cannot hold the intended weight of the engine.
Note: Some Vehicles are fitted with "Crumble Zones" in the channel. DO NOT install this engine support bar where there are crumble zones fitted as damage may occur.
2. Attach Support Chains (4) to the Engine and Support beam (1) making sure the device is securely attached to the engine and is suitably rated to hold the weight of the engine.
3. Slowly Twist grip handles (2) evenly on both sides. Rotate grip handles (2) clockwise until Support Bar just begins to support the weight of the engine.
4. Inspect engine securing device making sure it is properly attached to the engine.
5. Undo engine mount or perform other repair. Slight adjustment of the grip handles (2) maybe required to maintain engine position after other fasteners are loosened or removed.
6. Never leave an engine suspended by an engine support bar – the product is intended for short term use during repair. As soon as is practicable engine should repaired and engine support bar removed.
7. NEVER work under an engine supported by an engine support bar. Never place and part of you body under an engine supported by a Support bar.

MAINTENANCE AND STORAGE

Lubricating

- a. Moving parts on engine support bar should be lubricated occasionally with a light machine oil to maintain efficient operation.

Cleaning

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

OFFICE CONTACT DETAILS



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CARING FOR THE ENVIRONMENT

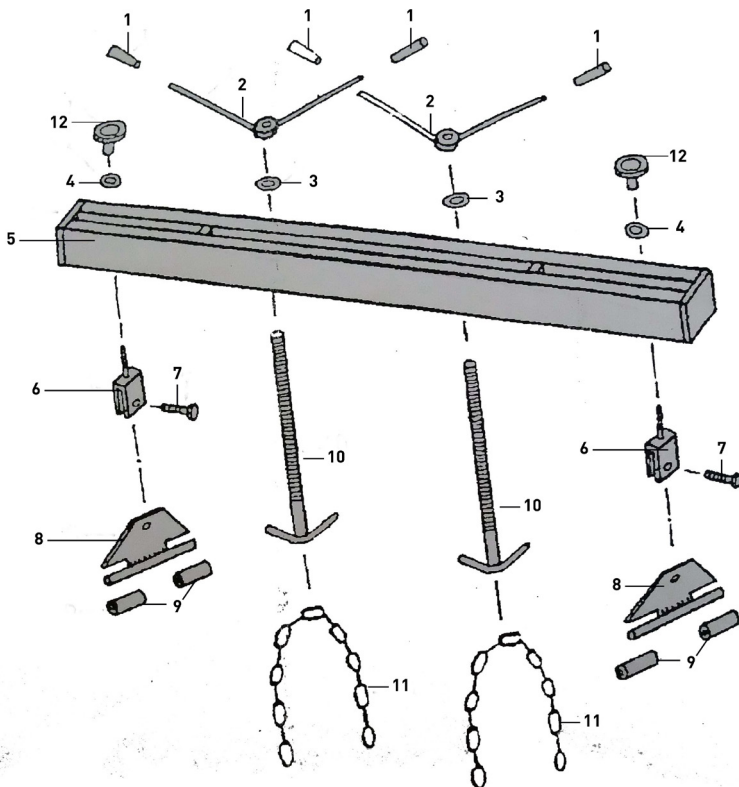


When a tool is no longer usable it should not be disposed of with household waste, but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

PARTS LISTING & DIAGRAM



Part No	Description	Qty
K12140-1	Handle Sleeve	4
K12140-2	Grip Handle	2
K12140-3	Washer	2
K12140-4	Washer	2
K12140-5	Support Beam	1
K12140-6	Support Block & Bolt	2

Part No	Description	Qty
K12140-7	Bolt M12x25	2
K12140-8	Support Bracket	2
K12140-9	Rubber Feet	4
K12140-10	Adjustable Screw	2
K12140-11	Support Chain	2
K12140-12	Lock Nut	2

Please Note: Kincrome reserve the right to change spare parts without notice.

WARRANTY

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.



www.kincrome.com.au