



Jackhammer Trolley JHT



OPERATOR'S MANUAL

Rev 0326

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ABOUT THIS MANUAL

This manual is designed to provide the user with the information required to operate and maintain the Jackhammer Trolley correctly and safely.

Key Terms

 READ CAREFULLY	READ CAREFULLY – refers to important information that should be paid careful attention.
 CAUTION	CAUTION - indicates a situation that may cause injury or damage to the machine if the user does not follow the instructions.
 WARNING	WARNING – indicates a situation that may cause injury or death if the user does not follow the instructions correctly.
 DANGER	DANGER – indicates a situation that will cause injury or death if the user does not follow the instructions as written.
 PROHIBITED	PROHIBITED – identifies actions that should never be carried out by any one interacting with the machine.

Disclaimer

MAKINEX, and its affiliates, takes no responsibility for any damage, injury or death resulting from the incorrect or unsafe use of this machine. Use of this machine should be undertaken by competent persons only. It is the operators' responsibility to ensure that the following safety procedures are followed.

PRODUCT INFORMATION

General Safety Instructions

Throughout this document there are several safety warnings. The user should read through this complete document before using the Jackhammer Trolley.



**READ
CAREFULLY**

Ensure you read all information contained in this manual before using the Jackhammer Trolley



**READ
CAREFULLY**

Ensure you read the manual and safety instructions for the Jackhammer and other components that are part of this unit. See Appendix for more information



DANGER

Always wear the recommended personal protective equipment



PROHIBITED

Never expose the machine to moisture or rain

Safety Stickers

There is a safety and information panel provided on the front of the Jackhammer Trolley to alert the user of potential safety risks/hazards. Please read and adhere to all instructions on the Unit.

 It is forbidden to remove any safety or instructional stickers or panels from the Jackhammer Trolley

PROHIBITED

 Read all safety and instructional stickers displayed on each component of the Jackhammer Trolley

READ CAREFULLY

MAKINEX
CONSTRUCTION PRODUCTS

Jackhammer Trolley - JHT

SAFETY OPERATING INSTRUCTIONS

- Ensure jackhammer is switched off before plugging in or disconnecting from mains power
- Ensure machine is always grounded
- Use a dedicated mains power supply with extension lead not exceeding 10 metres/ 11 yards
- Use caution when changing attachments
- Take regular breaks to avoid personal injury, stress, strain and fatigue

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Designed in Australia | Made in China
US Patent No.s D668420 & 8240682





Warranty

WARRANTY: (Ex-factory/ Reseller premise)

MAKINEX warrants to the original purchaser:

- MAKINEX provides a Limited One Year Warranty that applies to Jackhammer Trolley only (this excludes the Jackhammer and any other attachments and consumables).
- Any unauthorized repair or part replacement will void warranty. Refer to manufacturer for all repairs.
- Regular service must be carried out by competent persons only; failure to comply will void warranty.
- Jackhammer (where purchased) is to be covered by original manufacturer. Please refer to their manual for more information.

Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

Warranty Exclusions:

- Warranty does not cover wear and tear, breakage, misuse or theft.
- Warranty does not cover consumables (e.g. blades). Warranty does not cover attachments (e.g. Shanks and Tile Smasher heads).
- Warranty will not apply to parts and/or labour if this Jackhammer Trolley is deemed to be misused, neglected, installed improperly or set up incorrectly.
- Cosmetic defects such as decals and coating.
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems caused by parts that are not original MAKINEX parts.

Responsibility of the consumer under this Limited Warranty:

- Strict adherence to the maintenance checks and schedule with proof of scheduled maintenance service required by an authorised agent or qualified mechanic.
- Maintenance services are not covered under warranty.
- It is the consumer's responsibility to deliver the machine in question to our service premises or to the premises of our appointed agent at the consumer's expense for replacement or repair as applicable.

Claim Procedure:

- Contact MAKINEX by phone or email informing us of your machines problem or defect.
- Once the extent of the claim has been assessed, we retain the right to compensate the consumer for such defect, or repair (parts & labour), or replace the machine under warranty.
- All warranties will be carried out by MAKINEX authorised staff or appointed agents at a premises to be determined by the Manufacturer.
- It is the responsibility (and cost) of MAKINEX or our appointed agent to return the machine to be repaired or replaced under warranty to the consumer- this is valid for domestic territories only (e.g. machine purchased in USA will repaired/replaced under warranty and returned to the USA consumer. Machine purchased in Australia will be repaired/ or replaced under warranty and returned to the Australian consumer etc.)
- Where the specific warranty component (e.g. Jackhammer) is under a Manufacturer's warranty other than MAKINEX (e.g. Bosch, Hitachi, Makita, Hilti etc), the consumer can either contact MAKINEX or the applicable Manufacturer for repairs where such warranty was registered with that manufacturer at purchase.
- Warranty calls will only be carried out by our representatives and not via client's choice of repairer. We will not accept back charges for any work not carried out by our representatives, or accept any charges due to equipment being un-operational for

any reason even during its warranty period.

Product Description and Specifications

The Jackhammer Trolley enables your demolition hammer to lift most types of Ceramic Floor Tiles, Vinyl and Cork with less effort.

With a wide range of angle the Jackhammer Trolley adapts to any situation with a maximum leverage.

Features

- Durable zinc coated frame
- Easy Angle adjustment
- Will suit most 16kg (35lbs) hammers
- Anti-vibration ergonomic design
- Large wheels

TABLE 2: Product Specifications

HEIGHT WHEN RAISED	1100mm/43.3"
HEIGHT WHEN LOWERED	600mm/23.6"
OVERALL WIDTH	510mm/20"
OVERALL LENGTH	1100mm/43.3"
ANGLE OF ADJUSTMENT	73° (93° closed, 20° open)
WEIGHT (WITHOUT JACKHAMMER)	28kg/62lb

INSTRUCTIONS FOR USE



Do not operate the Jackhammer without wearing the appropriate personal protective equipment and assessing the surrounding area for hazards.

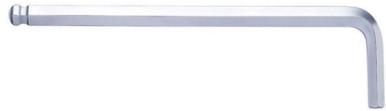
Fitting a Jackhammer

Tools Required

- 17mm spanner



- 2mm allen key



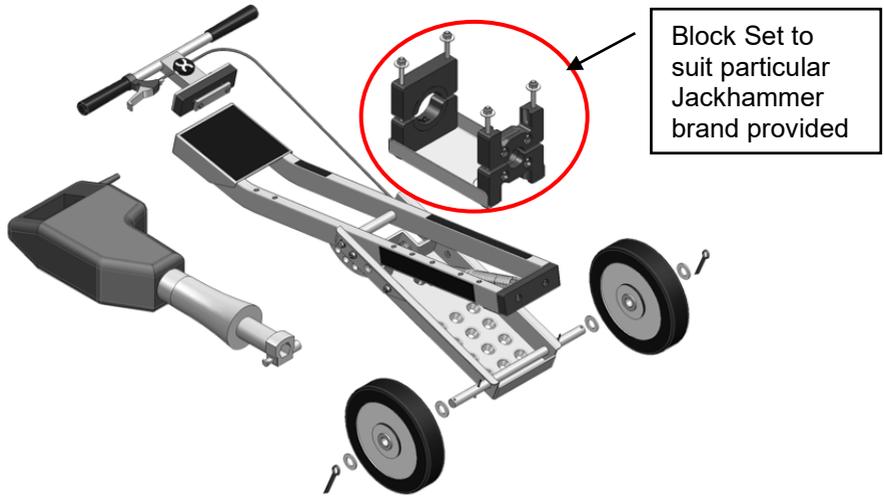
- 19mm spanner



- Pliers

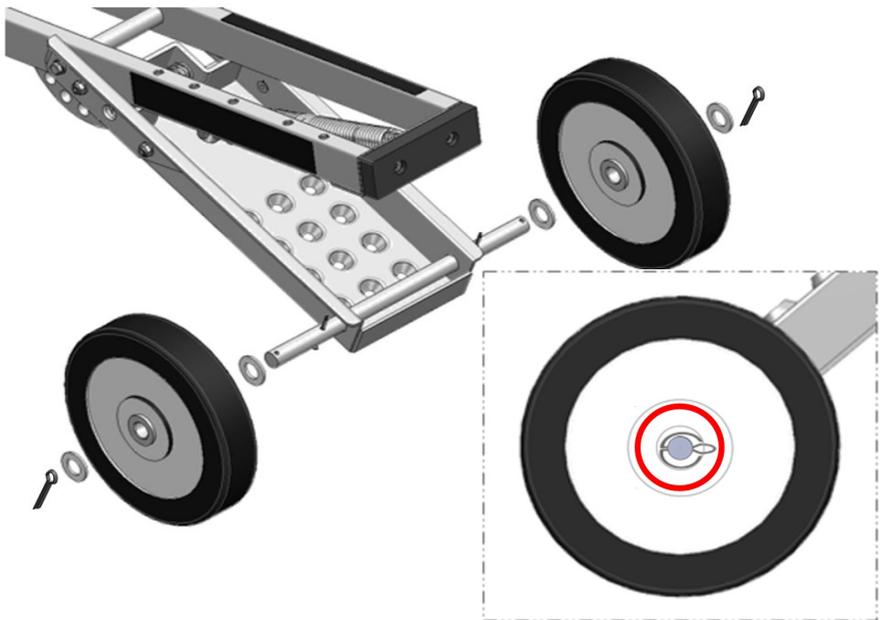


Product Breakdown

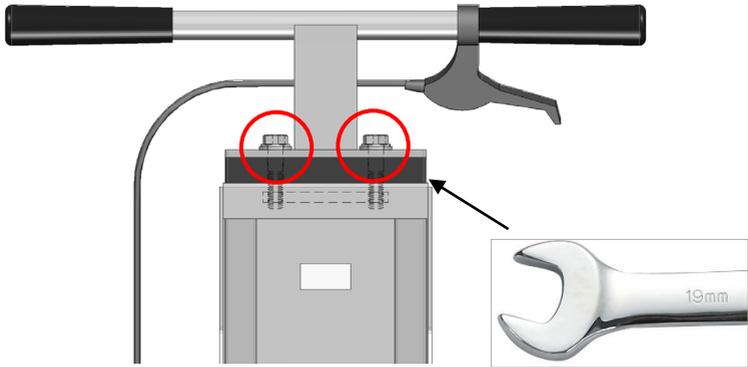


Jackhammer sold separately

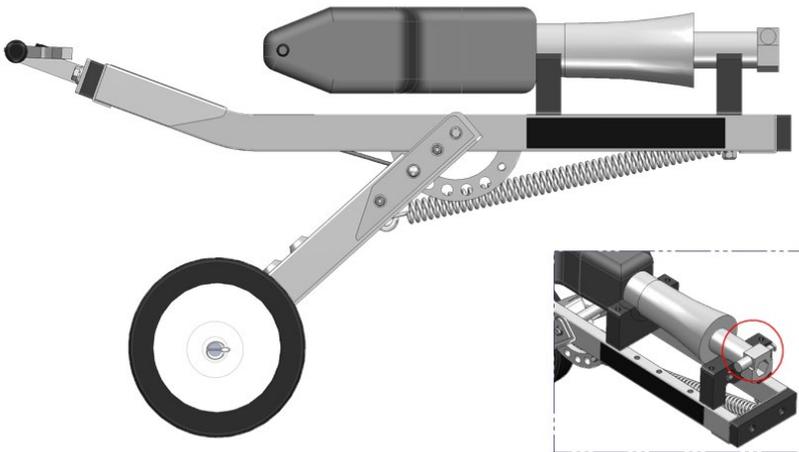
Step 1:



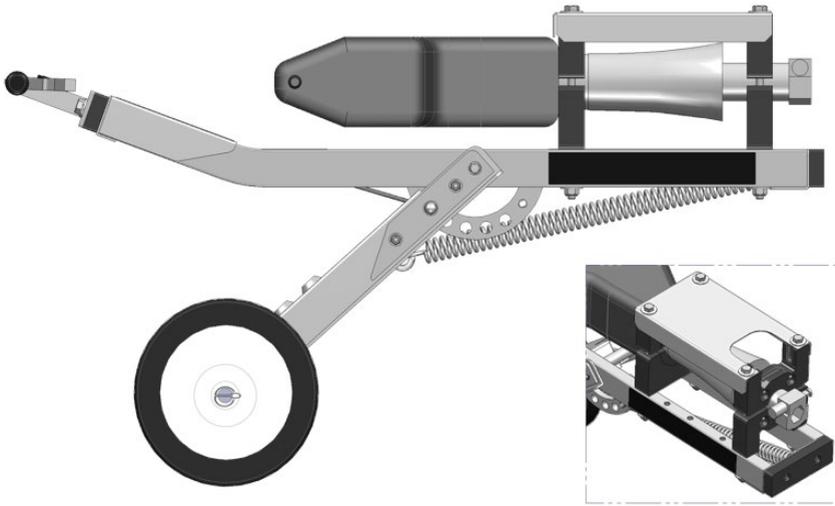
Step 2:



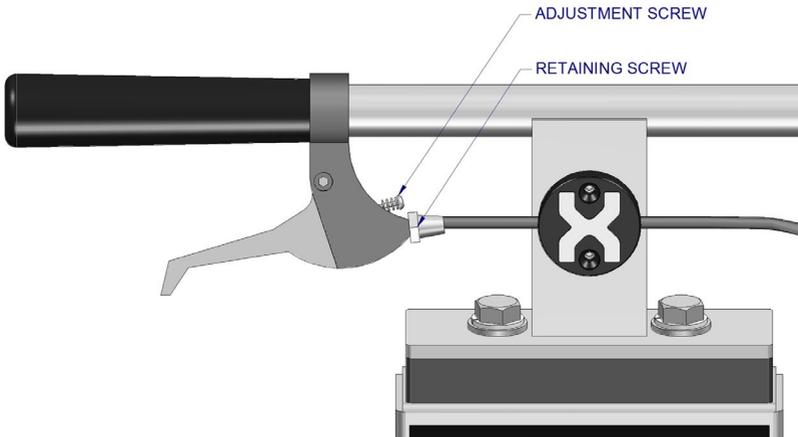
Step 3:



Step 4:



Brake Lever Adjustment



Instructions

1. Ensure cable is not kinked anywhere along its length
2. Tighten retaining screw with pliers
3. Tighten adjustment screw with 2mm allen key to remove slack from the cable. Note that some slack in the mechanism is normal.

USING THE JHT



Ensure the machine is switched OFF before plugging in



Ensure Chisel or Tile Smasher is correctly inserted and locked in position before use

1. Ensure Hammer/Breaker is secure and cannot rotate.
2. Position and angle before commencing work.

To change angle - **lift handles to take weight off lock mechanism** then pull the brake lever to disengage the lock mechanism. Lift or lower the height of the handles to achieve the desired angle of jackhammer then release brake lever to reengage the lock mechanism.

3. Never allow Hammer/Breaker ormoil to overheat.
4. Switch on Hammer/Breaker with trigger
5. Refer to Hammer/Breaker Instruction Manual for more detail on operation and service



Always switch off machine before unplugging

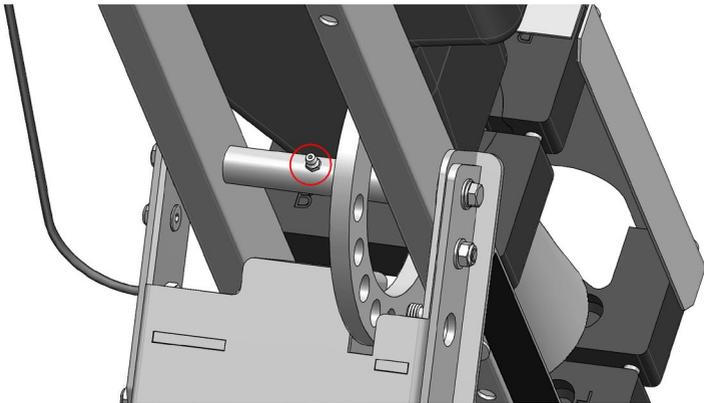
Servicing the Jackhammer Trolley

Every Use:

- Inspect frame for damage
- Ensure bolts are secure

Every 3 Months:

- Adjust brake lever to eliminate free-play
- Lubricate brake lever cable
 - Drip light weight oil from the top of the cable so it runs through the cable housing
- Grease the pivot axle



APPENDICES

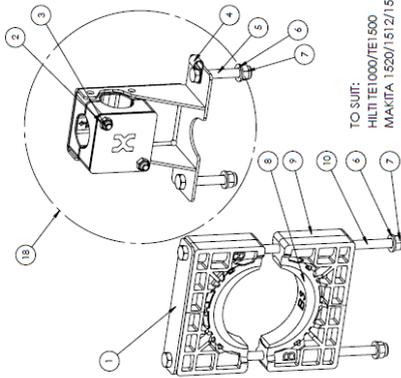
- A. BLOCK SETS BREAKDOWN
- B. JACKHAMMER TROLLEY - HAZARD ASSESSMENT
- C. SALES AND SPARES

Appendix A – BLOCK SETS BREAK DOWN

ITEM NO.	/PART NO.	/DESCRIPTION	/QTY.	SPARES (US ONLY)
1	JHT-09-06	HLTI F BLOCK TOP PLATE	1	Y
2	MAK-UP-511	M8 HEXNUT N1LOC	2	Y
3	MAK-UP-544	M8 X 80 HEX BOLT	2	Y
4	MAK-UP-160	P CLIP 10mm	1	Y
5	MAK-UP-545	M10X65 HEX BOLT	2	Y
6	MAK-UP-542	M10 FLAT WASHER (MEDIUM)	6	Y
7	MAK-UP-543	M10 HEXNUT N1LOC	6	Y
8	JHT-09-21	B3 ADAPTOR	2	Y
9	JHT-09-11-1	B-BLOCK V2	2	Y
10	MAK-UP-613	M10X270 HEX BOLT	2	Y
12	JHT-09-02	CUTOUT TOP PLATE	1	Y
13	JHT-09-12	F BLOCK	2	Y
14	JHT-09-13	B1-ADAPTOR	2	Y
15	MAK-UP-541	M10 X 250 HEX HEAD BOLT	4	Y
16	JHT-09-14	B2 ADAPTOR	2	Y
17	JHT-09-15	F1 ADAPTOR	2	Y
18	JHT-09-19	HLTI TOP HANDLE PIECES NSW	1	Y

PRINT MAY BE REDUCED - DO NOT SCALE

JHTB-U-2

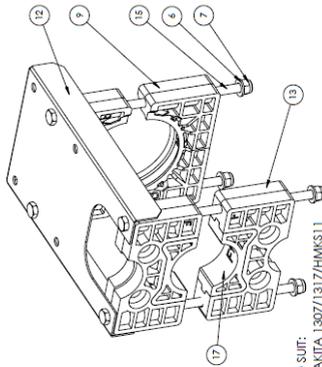


TO SUIT:
HLTI TE1000/TE1500
MAKITA 1520/1512/1511

TO SUIT:
BOSCH 14335K
BOSCH GSH16

NOTE:

JHT-09-19 CONTAINS:
- JHT-09-16-1: HELI HANDLE MOUNT BACK
- JHT-09-17-1: HELI HANDLE MOUNT FRONT
- JHT-09-18-1: HELI HANDLE WELDMENT V2



TO SUIT:
HIKOKI H465B3
HIKOKI H465
DEWALT D25901K-XE

TO SUIT:
MAKITA 1307/1317/HMK311
BAUER 1632E-B

NOT FOR US MARKET



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Appendix B – JHT Risk Assessment

PRODUCT RISK / HAZARD ASSESSMENT TABLE			
Assessment Carried Out By: RORY KENNARD			
Document Revision Number: 3			
Date: 25.10.2010			
HAZARD	LIKELIHOOD	CONSEQUENCE	RISK LEVEL
MECHANICAL HAZARDS			
PINCHING/CRUSHING DUE TO - INDIVIDUAL PLACEMENT OF FINGERS IN PIVOT POINT	2. LIKELY	3. MINOR	3. MEDIUM
STABBING/PUNCTURE DUE TO - FROM BLADE/ROLL WHILE OPERATING INSTALLATION/REMOVAL OF BLADE/ROLL	3. UNLIKELY 2. LIKELY	3. MINOR 3. MINOR	4. MEDIUM 3. MEDIUM
CRUSHING DUE TO - DROPPING THE MACHINE WHILE LIFTING DROPPING HAMMER WHILE UNINSTALLING FROM TROLLEY	2. LIKELY 2. LIKELY	3. MINOR 3. MINOR	3. MEDIUM 3. MEDIUM
ELECTRICAL HAZARDS			
SPRINGING LEADS	2. LIKELY	1. FATALITY	1. HIGH
HAZARDS GENERATED BY NOISE			
DEAFNESS (LONG TERM USE)	4. VERY UNLIKELY	2. MAJOR	4. MEDIUM
HAZARDS GENERATED BY VIBRATION			
STRAIN FROM VIBRATION	3. UNLIKELY	3. MINOR	4. MEDIUM
HAZARDS GENERATED BY MATERIALS AND SUBSTANCES			
IRRITATIONS TO THE SKIN DUE TO MATERIALS USED INHALATION OF MINOR DUST/PARTICLES OPERATION OF BLADE	4. VERY UNLIKELY 1. VERY LIKELY 2. LIKELY	2. MINOR 2. MAJOR 3. MINOR	4. NEGLIGIBLE 1. HIGH 3. MEDIUM
HAZARDS GENERATED BY NEGLECTING ECONOMIC PRINCIPLES			
HAZARD COMBINATION			
BACK INJURY (BENDING/ADJUSTING BLADE POSITION) LIFTING THE MACHINE (BACK INJURY)	3. UNLIKELY 2. LIKELY	2. MAJOR 3. MINOR	3. MEDIUM 3. MEDIUM
HAZARDS IN CONNECTION WITH PLACE OF OPERATION OF THE MACHINE			

NOTES

THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED AS A JACK-HAMMER TROLLEY ONLY

THIS DOCUMENT HAS BEEN PREPARED ACCORDING TO GUIDELINES AND RECOMMENDATIONS FOUND IN:

1. "HAZPAK" PRODUCED BY THE WORK-COVER AUTHORITY AND
2. THE AUSTRALIAN STANDARDS 4024.1445 - 1998 "SAFEGUARDING OF MACHINERY - PART 1: GENERAL PRINCIPLES"

THE TERMS "VERY LIKELY", "LIKELY", "UNLIKELY", "VERY UNLIKELY" REFER TO PROBABILITY OF AN EVENT HAPPENING, BUT ARE QUALITATIVE AND BASED ON BEST ESTIMATION DUE TO CONSULTATION AND EXPERIENCE.

RISK LEVEL IS DETERMINED USING THE RISK TABLE AS SUGGESTED IN "HAZPAK". INHERENTLY, AS THE CONSEQUENCE INCREASES IN SEVERITY, RISK INCREASES - EVEN WHEN LIKELIHOOD IS LOW

IS DEFINED BY THE WORK-COVER AUTHORITY AS THIS:

- NEGLECTIBLE = ABLE TO BE TREATED USING FIRST AID
- MINOR = FEW POSSIBLE INJURIES REQUIRING SEVERAL DAYS OFF WORK = NORMALLY IRREVERSIBLE INJURIES
- FATALITY = INJURIES RESULT IN DEATH

Appendix C – Sales and Spare Parts

For sales and spare parts please refer to your local distributor or contact us on

	SALES, SERVICE, SPARE PARTS & WARRANTY
AUSTRALIA	<p><u>SALES</u> TEL 1300 795 953 or +61 2 9460 8071 WEB www.makinex.com.au</p> <p><u>SERVICE, SPARE PARTS & WARRANTY</u> EMAIL service@makinex.com.au</p>
USA	<p><u>SALES</u> TEL +1 855-625-4639 WEB www.makinex.com</p> <p><u>SERVICE, SPARE PARTS & WARRANTY</u> EMAIL service@makinex.com</p>