KEN-985-5000K_Instructions_KEN-985-5000K_Instructions.qxd 11/07/2012 12:58 Page 1

QUALITY GUARANTEE & WARRANTY

KENNEDY TOOLS carry a one year manufacturers warranty.

KENNEDY TOOLS are designed & manufactured to the highest standards & specifications.
Assuring the quality and performance required by all sectors of industry.

KENNEDY TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

E C MACHINERY DIRECTIVE 2006/42/EC
DECLARATION OF CONFORMITY

We hereby certify that the KENNEDY Hydraulic Bench Press
Model HBP010
complies with all the relevant provisions of the EC Directive 2006/42/EC
(The Machinery Directive of the Council of European Communities)

Harmonised Standards Applied: EN693: 2001 + A2: 20H

Manufactured for
KENNEDY TOOLS
Wigston Works, Leicester, England, LE18 2FS.

www.kennedy-tools.co.uk

Supplied by an ISO9001 approved company.

Signed:
Date: 30th March 2012
Name: Keith Read
Position: Director, The Kennedy Group Ltd.

CE

AVAILABLE FROM YOUR DISTRIBUTOR

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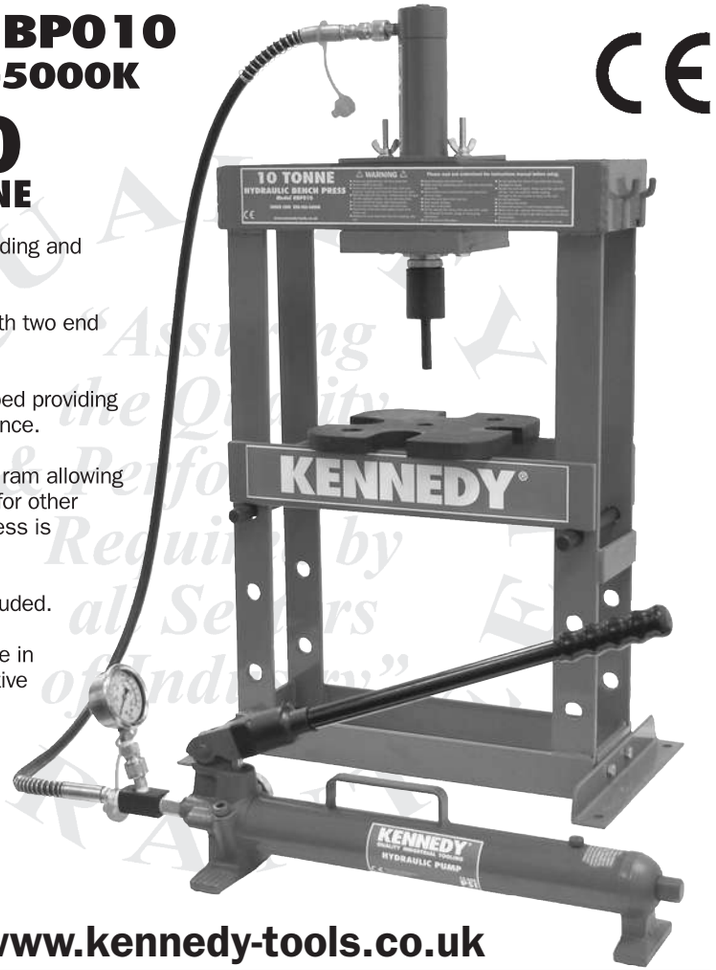
KENNEDY®
QUALITY INDUSTRIAL TOOLING

HYDRAULIC BENCH PRESS

MODEL HBP010
KEN-985-5000K

10 TONNE

- Ideal for pressing, bending and extruding.
- Welded steel frame with two end brace for stability.
- Fully adjustable work bed providing flexibility and convenience.
- Detachable pump and ram allowing hydraulics to be used for other purposes when the press is not being used.
- Hydraulic gauge is included.
- Built for tough daily use in industrial and automotive workshops.



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INSTRUCTION MANUAL

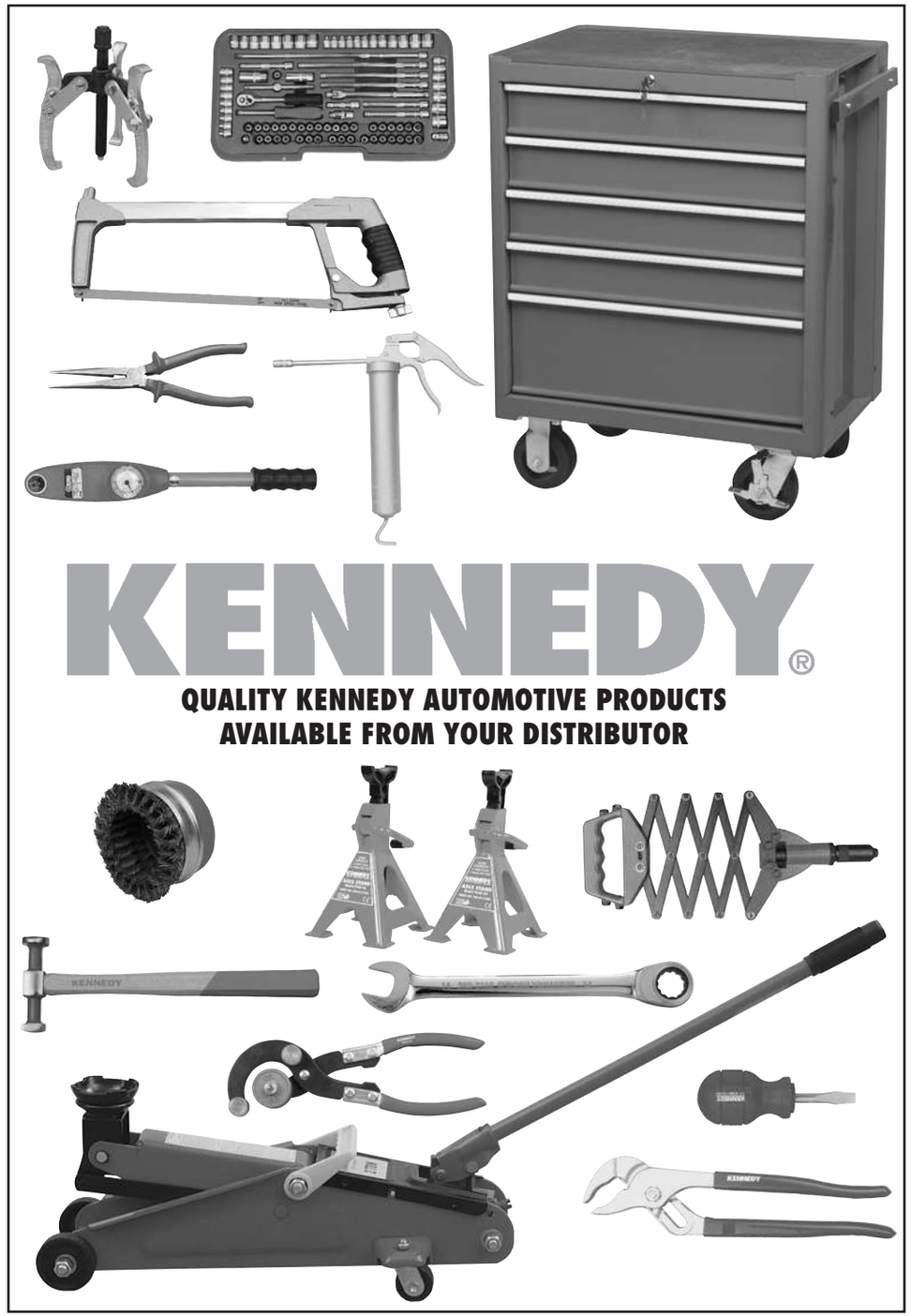
KEN-985-5000K_Instructions_KEN-985-5000K_Instructions.qxd 11/07/2012 12:59 Page 2

KENNEDY thoroughly recommends reading these instructions before using the Hydraulic Bench Press, even if you have used one before. Reading these instructions carefully and understanding them fully will enable you to perform tasks correctly and will prevent injury to yourself or someone else as well as damage to the work piece and equipment.

SAFETY GUIDELINES

- Always use approved eye and face protection. If necessary also wear protective gloves.
- Avoid kinks in the hose and inspect it each time before use.
- Before each use, ensure that all nuts, bolts and hydraulic couplings are correctly fitted and are tight.
- Before use, bleed the hand pump to release any trapped air.
- Do not modify in any way.
- Do not operate the press if any parts are missing, damaged or faulty.
- Do not operate the press when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- Keep children and unauthorised people away from the work area.
- Keep the work area clean and tidy.
- Make sure the supporting pins are securely and evenly positioned.
- Position the press in a well lit and suitable location.
- Do not drop any heavy objects onto the hose.
- Do not exceed the press rated load capacity.
- Do not force the press.
- Do not overreach.
- Do not stand on the press.
- Keep the press away from heat.
- Refill with hydraulic fluid only, making sure no dirt gets into the hydraulic system. Do not use brake fluid.
- Secure the work properly. Make sure that work that will flex, will not suddenly break causing damage to the work piece or injury to the user.
- Stay alert at all times.
- Wear proper clothing.
- Do not allow the press to get wet or remain in a damp environment.
- Replace the dust caps back onto the couplings after use.
- Store the arbor plate in a safe location when not in use.
- When not in use, release the pressure from the pump.

KENNEDY®



TROUBLE SHOOTING

To prevent personal injury, release the pump pressure and disconnect the hose from the pump before making any repairs. Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment.

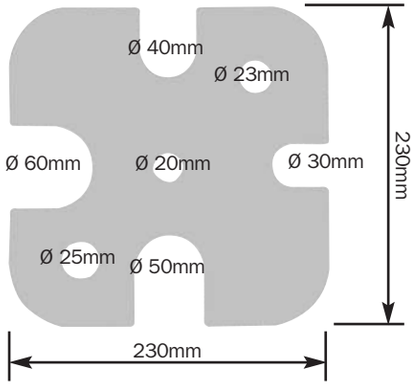
FAULT	POSSIBLE CAUSE	SOLUTION
Pump loses pressure.	1.System components leaking.	1. Repair or replace as necessary.
Pump not delivering oil.	1. Low oil level in reservoir. 2. Seats are worn.	1. Check oil level. 2. Repair seats or replace pump body.
Pump does not reach rated capacity.	1. Low oil level in reservoir. 2. System components leaking. 3. Fluid leaking past inlet or outlet check valves.	1. Check oil level. 2. Repair or replace as necessary. 3. Repair inlet or outlet check valves, or replace high pressure piston seal.
Pump handle has 'spongy' feel.	1. Air trapped in system. 2. Too much oil in reservoir.	1. Refer to 'bleeding air from the system' on page 5. 2. Check oil level.
Ram piston will not extend.	1. Loose couplers. 2. Low fluid level in pump reservoir. 3. Ram seals leaking.	1. Tighten couplers. 2. Fill and bleed the system. 3. Replace worn seals. Look for excessive contamination or wear.
Ram system extends only partially.	1. Low oil level in pump reservoir. 2. The load exceeds the capacity of the system.	1. Fill and bleed the system. 2. Use correct equipment.
Ram piston extends slower than normal.	1. Loose couplers. 2. Restricted hydraulic line or fitting. 3. Pump not working correctly. 4. Ram seals leaking.	1. Tighten couplers. 2. Clean and replace if damaged. 3. Repair or replace as necessary. 4. Replace worn seals. Look for excessive contamination or wear.
Ram does not hold pressure.	1. Leaky connection. 2. Ram seals leaking. 3. Pump or valve not working correctly.	1. Clean, reseal with thread sealant and tighten connection. 2. Replace worn seals. Look for excessive contamination or wear. Replace contaminated oil. 3. Repair or replace as necessary.
Ram leaks hydraulic oil.	1. Worn or damaged seals. 2. Loose connection.	1. Replace worn seals. Look for excessive contamination or wear. Replace contaminated oil. 2. Clean, reseal with thread sealant, and tighten connection.
Ram will not retract or retracts slower than normal.	1. Pump release valve closed. 2. Loose couplers. 3. Blocked hydraulic lines. 4. Weak or broken retraction springs. 5. The ram is damaged internally. 6. The pump reservoir is too full.	1. Open the pump release valve. 2. Tighten the couplers. 3. Clean and flush the lines. 4. Send to a service centre for repair. 5. Send to a service centre for repair. 6. Drain the oil to the correct level.

CAPACITIES

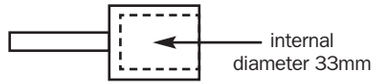
Model Number	HBP010
Order Code	KEN-985-5000K
Capacity	10 Tonne
Ram Stroke	150mm
Extension Screw	60mm
Maximum Height of Ram to Table	300mm
Minimum Height of Ram to Table	90mm
Table Aperture	140mm
Working Table width	360mm
Overall Height	895mm
Hydraulic Gauge Included	Yes
Weight	47kg

1 tonne (metric ton or t) = 1000Kg

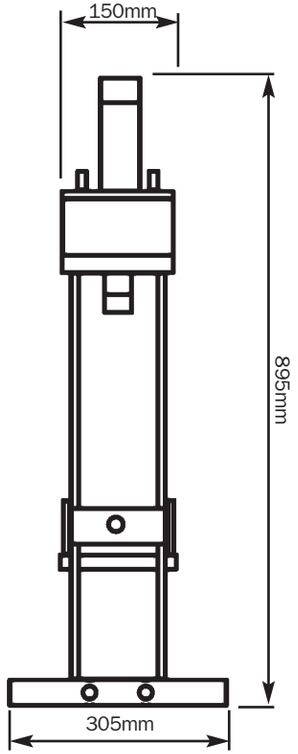
1 ton (imperial ton) = 2240lbs (1016Kg)

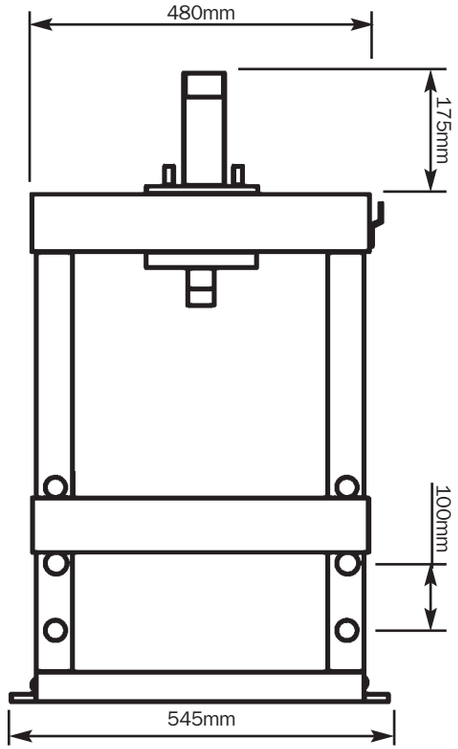


Arbor plate



Ram adaptor

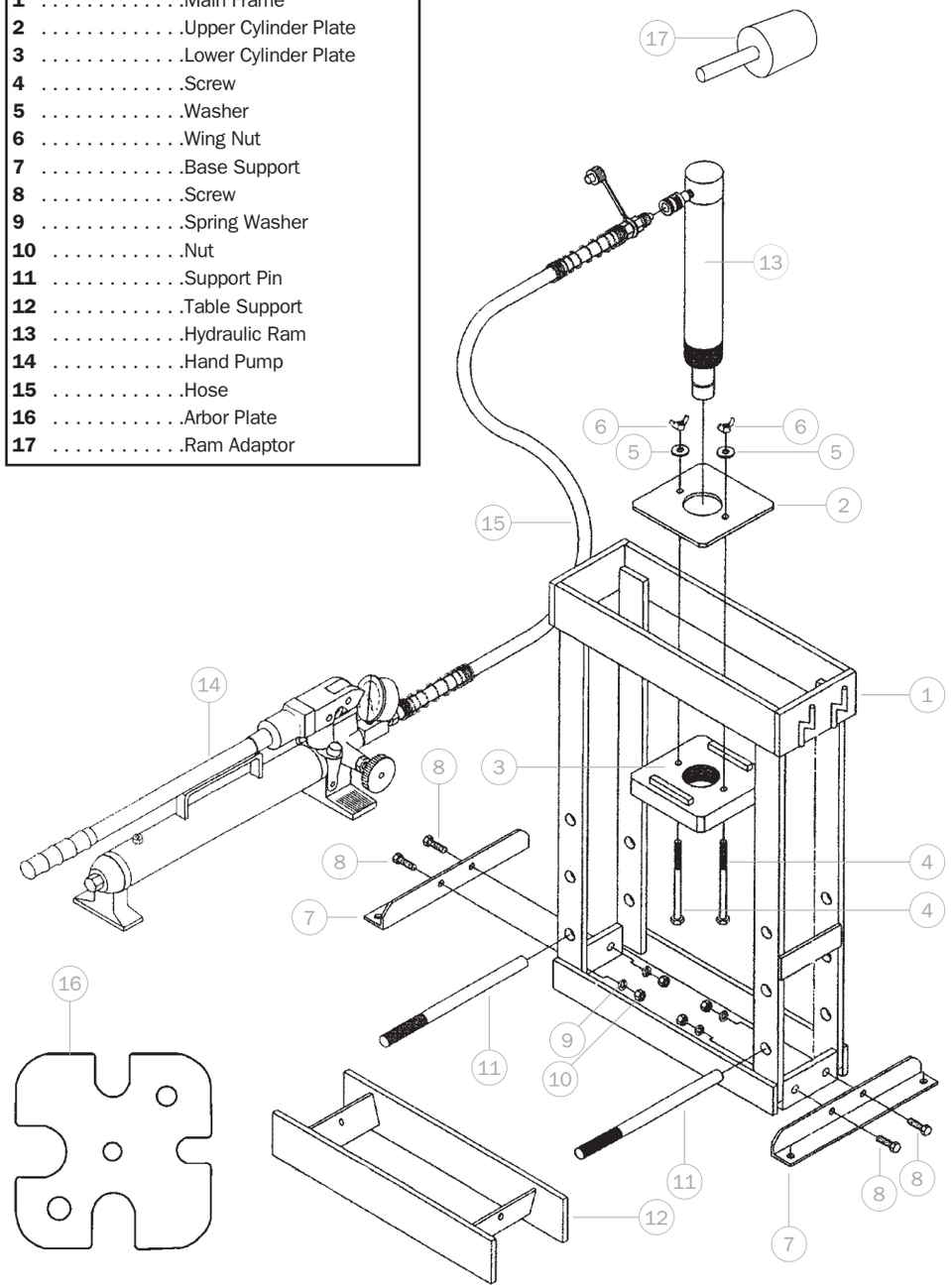




KEN-985-5000K_Instructions_KEN-985-5000K_Instructions.qxd 11/07/2012 12:59 Page 4

PARTS

1	Main Frame
2	Upper Cylinder Plate
3	Lower Cylinder Plate
4	Screw
5	Washer
6	Wing Nut
7	Base Support
8	Screw
9	Spring Washer
10	Nut
11	Support Pin
12	Table Support
13	Hydraulic Ram
14	Hand Pump
15	Hose
16	Arbor Plate
17	Ram Adaptor



ASSEMBLY

TOOLS NEEDED: 14mm socket or spanner.

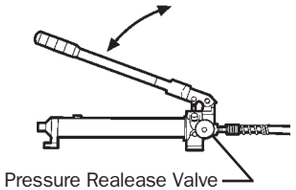
1. Attach both of the base supports (7) to the main frame (1) using the bolts (8), washers (9) and nuts (10).
2. Stand the frame in the upright position.
3. The upper cylinder plate (2) and lower cylinder plate (3) are held in position on the main frame (1) using bolts (4) washers (5) and wing nuts (6). Ensure the ribs on both plates are located within the front and rear cross plates of the frame.
4. The hydraulic ram is fitted through the hole in the upper cylinder plate (2) and then tightly screwed into the lower cylinder plate (3).
5. Hang the hand pump (14) on the hooks on the side of the main frame (1) with the hose facing downwards.
6. Attach the hose (15) to the hydraulic ram (13).
7. Push the two support pins (11) through the holes in the main frame (1) and position the table support on top.

OPERATING

To pressurise the hydraulic hand pump, turn the release valve on the side of the pump clockwise to close the valve. Then pump the handle up and down.

To release pressure, open the valve by turning the release valve anti-clockwise.

The hand pump can be used in any position. When using the hand pump in a vertical position, always ensure that the hose end is facing downwards.



CARE & MAINTENANCE

CHECKING & FILLING THE OIL RESERVOIR:

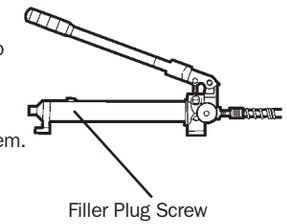
1. Place the hydraulic hand pump on a level surface and disconnect the hydraulic ram from the end.
2. Always follow the precautions advised by the oil manufacturer.
3. Open the pressure release valve.
4. Remove the filler plug from the cylinder. The oil should be within 15mm from the top of the reservoir. If necessary, fill with hydraulic oil **ISO VG.22.32** until the oil is within 15mm from the top of reservoir. DO NOT USE BRAKE FLUID.
5. Pump the handle 5 or 6 times to expel air.
6. Screw on the filler plug.

Avoid mixing different grades of oil. After long periods of use, the oil should be replaced with new oil.

BLEEDING THE SYSTEM:

Air can accumulate in the hydraulic system during the initial setup or after prolonged use, causing the ram to respond slowly or in an unstable manner. To remove the air, please follow these steps.

1. Place the ram at a lower level than the pump, with the piston end pointing down.
2. Extend and retract the ram several times without putting a load on the system. Air will be released into the pump reservoir.
3. With the ram fully retracted, the pump sitting level and no pressure in the hydraulic system, remove the pump's filler screw.
4. Pump the handle 5 or 6 times to bleed air out of the system.
5. Close the pressure release valve.
6. Replace the filler plug screw.



LUBRICATING:

Use light oil on all moving parts.

WHEN NOT IN USE:

Wipe clean with a slightly oiled cloth and store in the protective case. Store with the release valve open. Make sure that the threaded dust cap plugs are put on to the ends of the hose, hydraulic ram and hydraulic spreader ram, to avoid dirt from entering the system.