THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

In observance of European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

RoHS

This product does not contain any restricted substances in concentrations and applications which are banned by the European RoHS2 Directive.

DECLARATION OF CONFORMITY

We hereby certify that KOBE 1" DRIVE H/D IN-LINE IMPACT WRENCH

(ORDER CODE: KBE-270-1630B)

complies with all the relevant provisions of the

Machinery Directive 2006/42/EC

Standards Applied:

BS EN ISO 11148-6:2012, BS EN ISO 28927-2:2010, BS EN ISO 15744 :2008

RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU

Standards Applied:

EN 50581-1:2012

Signed:

Date: 1st January 2017

Name: Keith Read

Position: HSQE Manager.

KOBE TOOLS

THE KENNEDY GROUP LTD, WIGSTON, ENGLAND, LE18 2FS.

CE

QUALITY GUARANTEE & WARRANTY

KOBE INDUSTRIAL AIR TOOLS carry a one year manufacturer's warranty.

KOBE INDUSTRIAL AIR TOOLS are designed & manufactured to the highest standards & specifications

Assuring the quality and performance required by all sectors of industry.

KOBE INDUSTRIAL AIR 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.

KOBE TOOLS OFFICIAL AGENT: THE KENNEDY GROUP, WIGSTON. LEICESTER, ENGLAND. LE18 2FS

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KOBE™

INDUSTRIAL AIR TOOLS

1" DRIVE H/D IN-LINE IMPACT WRENCH

MODEL: IWS100X

ORDER CODE: KBE-270-1630B



- Heavy duty Air Impact Wrench suitable for industrial and commercial production and assembly applications.
- Side handle for two handed operation.
- Top mounted spring balance loop.
- Easy to use forward/reverse switch and 3 position power regulator.
- Top venting exhaust.
- Oiling points for daily maintenance.

CONTINUOUS USE

CE

WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THESE PRODUCTS.

OPERATOR'S MANUAL

Please retain this information for future reference.

SAFETY INSTRUCTIONS

You have purchased a quality industrial product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

KOBE INDUSTRIAL AIR TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

GENERAL OPERATING HAZARDS

- Keep clear from all rotating spindles and moving parts
- Ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed
- Always wear appropriate P.P.E.* during operation, repair or maintenance of the tool, or whilst changing accessories. The operator of the tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Ensure that all others in the area are wearing appropriate P.P.E.* for their own eye, face, respiratory, hearing and body protection.
- Do not modify tools or accessories and only use for the task for which they have been designed.
- Ensure that all accessories are rated to the "Free" speed of the tool and intact before fitting or using.
- All users must be physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.

SPECIFIC OPERATING HAZARDS

- The user is responsible for making sure that the specification label on the air tool is kept legible, indicating the model number, serial number and rpm. If not, reorder and replace.
- Use only impact sockets and accessories.

* P.P.E. = Personal Protective Equipment

WORKPLACE HAZARDS

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose around the work place.
- Maintain a balanced body position and secure footing.
- High sound levels can cause permanent hearing loss. Use approved hearing protection.
- Repetitive work motions, awkward positions and exposure to vibration can cause "Repetitive Strain Injuries". If numbness, tingling, pain or whitening of the skin occurs consult a doctor.
- Avoid inhaling dust or handling debris from work process which can be harmful to your health.
- This tool is not intended for use in a flammable or combustible atmosphere and is not insulated for contact with electric power sources.

AIR SUPPLY AND CONNECTION HAZARDS

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tools from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. See instructions for suggested air supply.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90psi/6.2bar.
- Do not carry the tool by the air hose.

SPECIFICATIONS

FREE SPEED	3300rpm
FINAL DRIVE	1" (25mm) HEX
AIR INLET THREAD	½"NPT
AIR HOSE SIZE (ID)	½"(13mm)
AIR PRESSURE	90PSI (6.2Bar)
WORKING TORQUE*	2,034Nm (1,500lb.ft)
MAXIMUM TORQUE*	2,305Nm (1,700lb.ft)
BOLT CAPACITY	M33

AIR CONSUMPTION	7CFM
OVERALL LENGTH	500mm
NET WEIGHT	9.34Kg

This Tool Produces a Noise Level of 96 dBA Sound Pressure per Pneurop Standard ISO11203 and a Sound Power of 101.67dB Vibration Level is 6.0m/s² tested per ISO 8662-7.

* See Page 4 for torque information.

NOTES

SERVICE & REPAIR

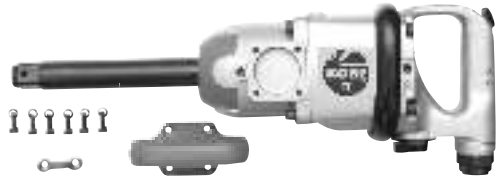
A comprehensive repair and service facility is available through your local Kobe agent.



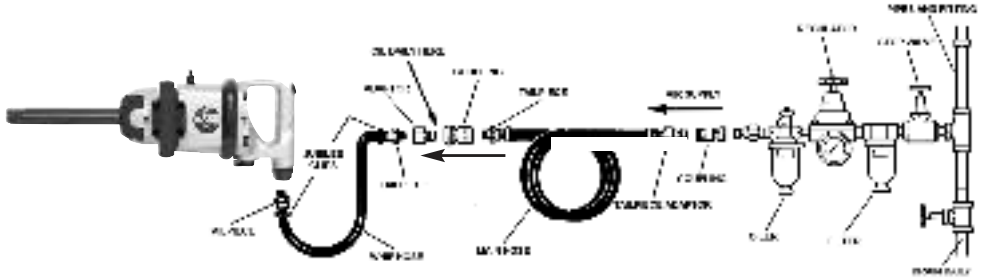


BOX CONTENTS

I x 1” Drive Heavy Duty Air Impact Wrench
c/w side handle, hanging loop
6 x (M6 x 16mm) Socket head capscrews
6 x Spring washers
1 x 5mm Hexagon Key
1 x 6mm Hexagon Key
Oil Pot



SUGGESTED AIR SUPPLY



Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.

Supply tools with 90psi/6.2bar of clean, dry air. A higher pressure and unclean air will shorten the tool life because of faster wear and may create a hazardous condition.

Requirements for Quick Acting Couplings connected to Air Tools:

A leader hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HS(G) 39, BS4575:2, ISO 4414 and ISO 6150.**

LUBRICATION

Air tools require lubrication throughout the life of the tool otherwise moisture in the compressed air will rust the air motor. Correct lubrication is vital for the maximum performance of the Impact Wrench and an airline lubricator should be fitted into the system down stream of the filter. Failure to lubricate the tool at the air inlet will void your warranty.

Either use an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, add a teaspoon of air motor oil to the three oiling points marked on the tool (See fig 1) or into the hose at the nearest connection to the air supply once a day and then run the tool. ISO Grade VG22 oil is recommended. A rust inhibitive oil is acceptable for air tools.

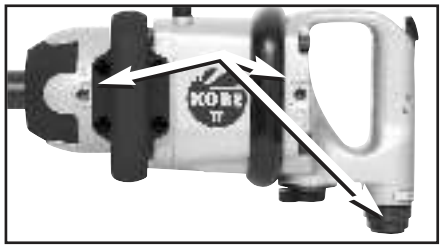


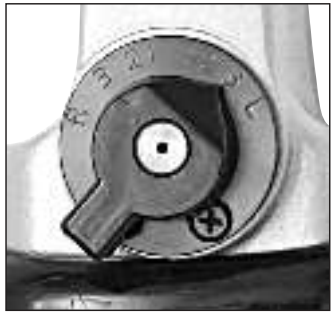
Fig. 1

Any excess oil in the motor is expelled immediately from the exhaust port. Always direct the exhaust port away from people or objects.

Do not lubricate the impact driver with flammable or volatile liquids such as kerosene, diesel or paraffin.

OPERATION

1. Carry out daily inspection/lubrication of the tool.
2. Select the correct socket for the job and check for damage.
3. Fit the socket to the Impact Wrench, making sure it is pressed home fully on the drive.
4. Set the tool to forward/reverse as required using the switch on the underside of the tool.
5. Locate the socket on the target and pull the trigger to tighten/loosen the target nut/bolt.
6. Adjust the Speed/Power as required using the switch on the underside of the tool in order to complete the task.



TORQUE

Period	Position 1	Position 2	Position 3
up to 5 Secs.	1085Nm (800lb/ft)	1627Nm (1200lb/ft)	2034Nm (1500lb/ft)
over 10 Secs.	1492Nm (1100lb/ft)	1966Nm (1450lb/ft)	2305Nm (1700lb/ft)

TROUBLE SHOOTING

Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the airline, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. If outside conditions are in order and the tool still runs erratically, disconnect the tool from the hose and take it to your local Kobe agent.

MAINTENANCE

A competent person must disassemble and inspect higher wear parts periodically if the tool is used every day or if there is a noticeable drop in the tool performance. Any damaged or worn parts must be replaced. Your 12 month warranty could become void if the tool is unnecessarily dismantled and damage is caused. If you are unsure about dismantling the tool, please return it to your local Kobe agent.

Replace as necessary all "O" rings, bearings and rotor blades (See Spare Parts Breakdown). It is recommended that adequate stocks of standard service parts are held for servicing requirements.

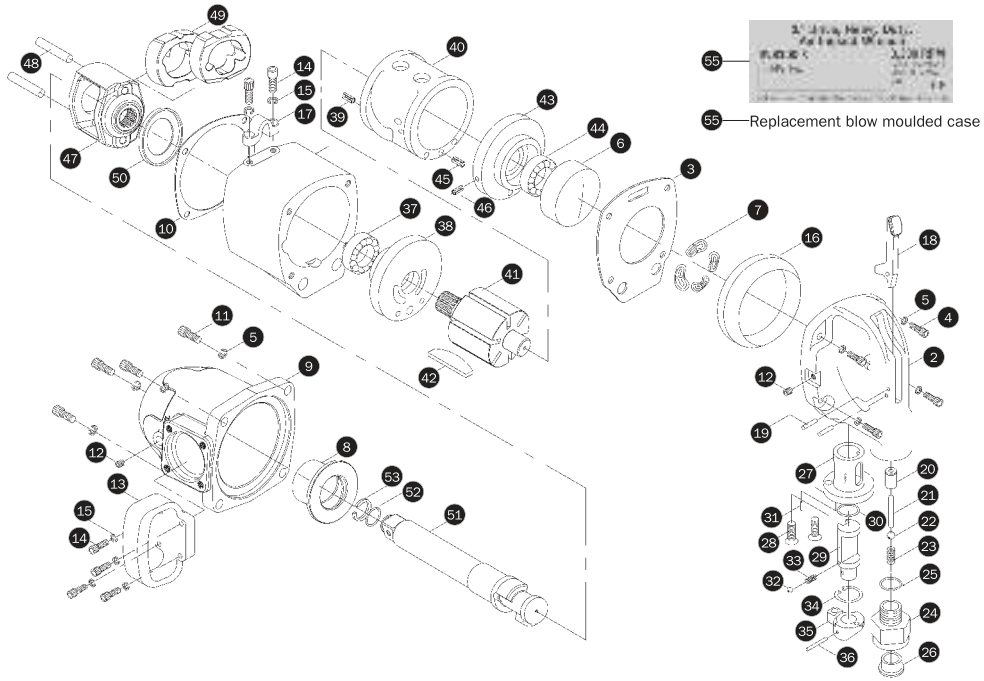
The use of other than genuine Kobe replacement parts may result in safety hazards, decreased tool performance and increased maintenance.

Mineral spirits are recommended when cleaning the tool and its parts. Do not clean with any solvents or oils containing acids, esters, ketones, chlorinated hydrocarbons or nitro carbons. Do not use chemicals that have a low flash point.

For spare parts or servicing please contact your local Kobe agent. Remember to quote tool model number and spare part number when ordering spares.

When disposing of components, lubricants, etc. ensure that relevant environmental procedures are carried out.

SPARE PARTS BREAKDOWN



No.	Order Code	Description
1	KBE-298-7000P	Motor housing
2	KBE-298-7001P	End cap
3	KBE-298-7002P	End cap gasket
4	KBE-298-7003P	Skt. cap screw (M8 L25)
5	KBE-298-7004P	Spring washer
6	KBE-298-7005P	Blind cap
7	KBE-298-7124P	Oil packing
8	KBE-298-7006P	Anvil bushing
9	KBE-298-7007P	Clutch housing
10	KBE-298-7008P	Front gasket
11	KBE-298-7009P	Skt. cap screw (M8 L30)
12	KBE-298-7010P	Clamp screw (PT⅛" x L8)
13	KBE-298-7011P	Side handle
14	KBE-298-7012P	Skt. cap screw (M6 L16)
15	KBE-298-7013P	Spring washer (¼")
16	KBE-298-7014P	Protecting rubber
17	KBE-298-7015P	Hanger
18	KBE-298-7016P	Trigger
19	KBE-298-7017P	Trigger pin (Ø4 x L24)
20	KBE-298-7018P	Throttle bushing
21	KBE-298-7019P	Throttle pin
22	KBE-298-7020P	Steel ball (Ø½")
23	KBE-298-7021P	Spring
24	KBE-298-7022P	Hose fitting
25	KBE-298-7023P	"O" Ring (d21.8-Ø2.4(P22))
26	KBE-298-7024P	Dust cover
27	KBE-298-7025P	Valve sleeve
28	KBE-298-7026P	Phillips csk. screw (M4-L16)
29	KBE-298-7027P	Reverse valve
30	KBE-298-7028P	"O" Ring (d15.8-Ø2.4(P16))
31	KBE-298-7029P	Pin (Ø2-L9.8)
32	KBE-298-7030P	Steel ball (Ø⅛")
33	KBE-298-7031P	Spring (d2-D3-L10-0.5t)
34	KBE-298-7032P	Circlip (Ø23.5)
35	KBE-298-7033P	Direction/Power lever
36	KBE-298-7034P	Spring pin (Ø3 x L28)
37	KBE-298-7035P	Ball bearing (6205)
38	KBE-298-7036P	Front end plate
39	KBE-298-7037P	Spring pin (Ø6 x L16)
40	KBE-298-7038P	Cylinder
41	KBE-298-7039P	Rotor
42	KBE-298-7040P	Rotor blade
43	KBE-298-7041P	Rear end plate
44	KBE-298-7042P	Ball bearing (6204)
45	KBE-298-7043P	Spring pin (Ø6-L18)
46	KBE-298-7044P	Spring pin (Ø3-L6)
47	KBE-298-7045P	Hammer cage
48	KBE-298-7046P	Pin (Ø7.92-L75)
49	KBE-298-7047P	Hammer dog
50	KBE-298-7048P	Washer (d42-D65-5.2t)
51	KBE-298-7049P	Anvil standard
52	KBE-298-7052P	"O" Ring (d17.6-Ø2.8)
53	KBE-298-7053P	Anvil collar
54	KBE-298-7054P	Blow moulded case
55	KBE-298-5177F	Specification label

NOTE: 150mm (6") & 200mm (8") Anvils available, price and fitting available upon request.