THE ENVIRONMENT

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

DECLARATION OF CONFORMITY

We hereby certify that KOBE ½" IMPACT WRENCH KIT 8,400RPM

(ORDER CODE: KBE-270-2350K)

complies with all the relevant provisions of the

Machinery Directive 2006/42/EC

Standards Applied:

BS EN ISO 11148-6:2012, BS EN ISO 28927-2:2009, BS EN ISO 15744 :2008

Signed:

Date: 1st May 2017

Name: Keith Read

Position: HSQE Manager

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

CE

QUALITY GUARANTEE & WARRANTY

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

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

KOBE PROFESSIONAL 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 LTD, WIGSTON. LEICESTER, ENGLAND. LE18 2FS.
© The Kennedy Group Ltd. 05/17

KOBE™
PROFESSIONAL AIR TOOLS

½" IMPACT WRENCH KIT
8,400RPM

MODEL:
IWS500

ORDER CODE:
KBE-270-2350K

- **Suitable for general workshop and garage use**
- **One piece aluminium housing**
- **½" square drive**
- **High-low power regulator**
- **Forward/reverse selection**
- **Robust blow-moulded case**



CE

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

OPERATOR'S MANUAL

Please retain this information for future reference.

NOTES

NOTES

KOBE PROFESSIONAL AIR TOOLS

SAFETY INSTRUCTIONS

You have purchased a quality 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 PROFESSIONAL AIR TOOLS have been specifically designed to help you work SAFELY and EFFICIENTLY. Your care and good judgment 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 relevant ones have been highlighted.

GENERAL OPERATING HAZARDS

- **ALWAYS** ensure all users are physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.
- **ALWAYS** be aware of the tool rundown time.
- **ALWAYS** ensure the tool is kept in a good working condition. **DO NOT** use the tool if any parts are missing or damaged.
- **ALWAYS** inspect the air tool for cracks or excessive wear before connecting and during use.
- **ALWAYS** store the tool in a dry, secure place away from children.
- **ALWAYS** check for damaged or loose parts and fittings.
- **ALWAYS** use recommended attachments or parts.
- **ALWAYS** avoid accidental starting of the tool by disconnecting it before replacing accessories or repairing.

- **NEVER** operate the tool when tired or under the influence of alcohol/prescription or non-prescription drugs.
- **NEVER** operate if any parts are missing or damaged.
- **NEVER** leave the tool running whilst unattended.
- **NEVER** modify the tool or accessories and only use it for the task for which it has been designed.
- **NEVER** force or apply excessive pressure on the tool.
- **NEVER** touch moving or active parts of the tool or accessories.
- **NEVER** work in a combustible atmosphere.
- **NEVER** allow children to use or play with the tool.

WORKPLACE HAZARDS

- **ALWAYS** comply with Health & Safety regulations.
- **ALWAYS** be aware of excess hose around the work place.

- **NEVER** carry a tool by the air hose or with your fingers on the trigger whilst connected to an air supply.

PERSONAL PROTECTION

- **ALWAYS** ensure that all long hair, loose clothing & jewellery, etc., are secured or removed.
- **AVOID** wearing watches, rings or bracelets whilst using this tool.



SPECIFIC OPERATING HAZARDS

- **ALWAYS** ensure all accessories are rated to the “Free” speed of the air tool and intact before fitting or using.
- **ALWAYS** use air tool attachments that are in good condition and are designed to be used with the tool.
- **ALWAYS** be aware of the risk of crushing between the tool and the workpiece due to sudden movement or reaction forces.
- **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.

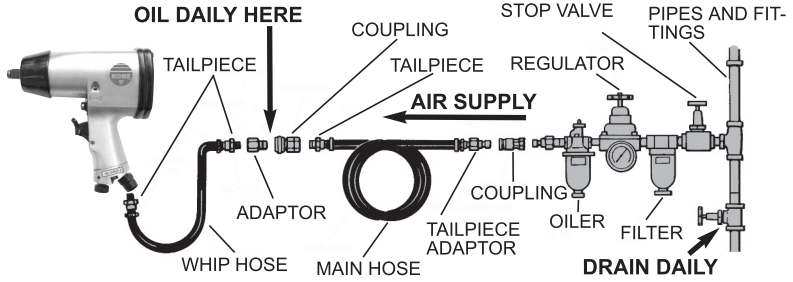
- **NEVER** apply additional or over excessive force to the air tool.
- **NEVER** make contact with electric power sources as this tool is not insulated.
- **NEVER** exceed the maximum air pressure of the tool.

SPECIFICATIONS

MODEL NUMBER	IWS500
SQUARE DRIVE SIZE	½"
FREE SPEED	8,400 rpm
BOLT CAPACITY	16mm
TORQUE	380 Nm (280ft/lbs) (5 Sec.)
AIR INLET THREAD	¼" NPT

AIR HOSE SIZE (ID)	9.5mm ⅜"
SOUND PRESSURE (ID)	88 Dba
AIR PRESSURE	90 PSI
AIR CONSUMPTION	3.5CFM
OVERALL LENGTH	185mm
WEIGHT	2.2kg

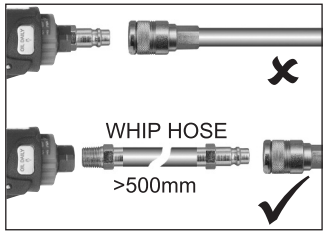
SUGGESTED AIR SUPPLY



1) Before connecting, ensure the dust cap is removed **(Fig A).**
2) Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.
3) Supply tools with (6.2bar) 90psi 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.


Fig. A

REQUIREMENTS FOR QUICK ACTING COUPLINGS CONNECTED TO AIR TOOLS:
A whip 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.** This will also reduce the strain applied by the weight of the air hose on the end of the air tool.

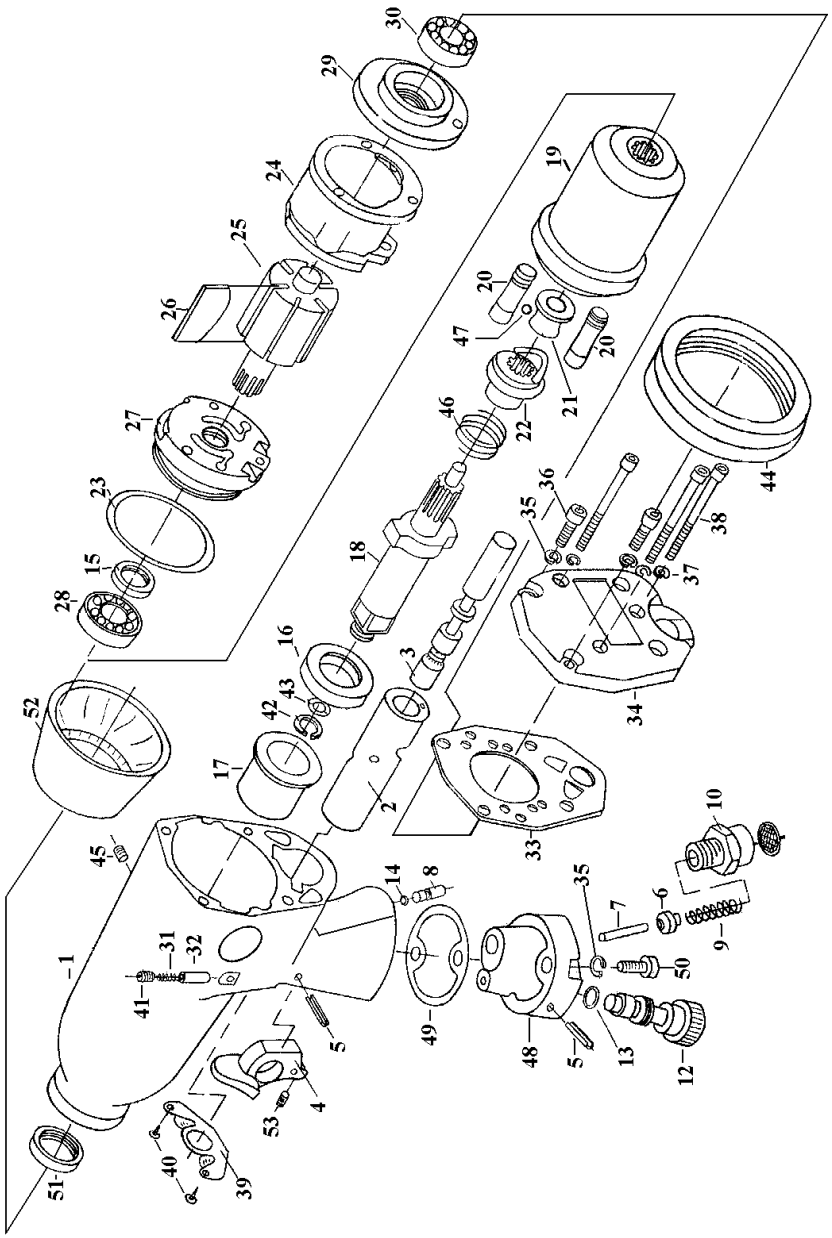


PARTS BREAKDOWN

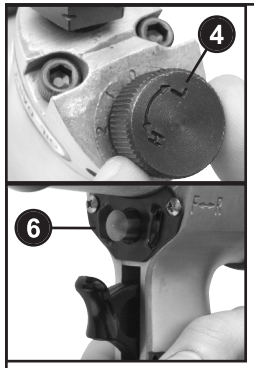
Index No.	Order Code	Description	QTY
1	KBE-298-0169Y	HOUSING	1
2	KBE-298-0172Y	VALVE SLEEVE	1
3	KBE-298-0175Y	REVERSE VALVE	1
4	KBE-298-0178Y	TRIGGER	1
6	KBE-298-0181Y	VALVE THROTTLE	1
7	KBE-298-0184Y	PIN THROTTLE	1
8	KBE-298-0187Y	VALVE STEM	1
9	KBE-298-0190Y	SPRING	1
10	KBE-298-0193Y	HOSE ADAPTOR	1
12	KBE-298-0196Y	AIR REGULATOR	1
13	KBE-298-0199Y	O-RING	1
14	KBE-298-0202Y	O-RING	1
15	KBE-298-0010Y	SEAL	1
16	KBE-298-0205Y	SPACER	1
17	KBE-298-0208Y	ANVIL BUSHING	1
18	KBE-298-0211Y	ANVIL 1/2"	1
19	KBE-298-0214Y	HAMMER CAGE	1
20	KBE-298-0217Y	HAMMER BAR	1
21	KBE-298-0220Y	DRIVE CAM FOUNDATION	1
22	KBE-298-0223Y	DRIVE CAM	1
23	KBE-298-0226Y	O-RING	1
25	KBE-298-0232Y	ROTOR	1
26	KBE-298-0235Y	ROTOR BLADE (6)	1
27	KBE-298-0238Y	FRONT END PLATE	1
28	CES-298-6002M	BEARING	1
29	KBE-298-0244Y	REAR END PLATE	1
30	CES-298-6001B	BEARING	1

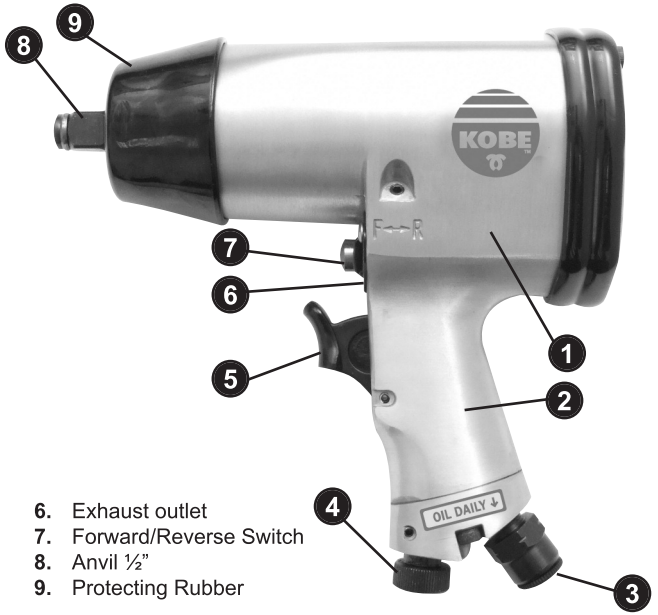
Index No.	Order Code	Description	QTY
31	KBE-298-0016Y	SPRING	1
32	KBE-298-0019Y	PIN	1
33	KBE-298-0250Y	REAR GASKET	1
34	KBE-298-0253Y	REAR COVER	1
35	KBE-298-0256Y	WASHER	1
36	KBE-298-0259Y	SCREW	1
37	KBE-298-0262Y	WASHER	1
38	KBE-298-0265Y	SCREW	1
39	KBE-298-0268Y	EXHAUST DEFLECTOR	1
40	KBE-298-0028Y	SCREW	1
41	KBE-298-0031Y	SCREW	1
43	KBE-298-0037Y	O-RING	1
44	KBE-298-0040Y	RUBBER	1
45	KBE-298-0043Y	SCREW	1
46	KBE-298-0271Y	SPRING	1
47	KBE-298-0274Y	STEEL BALL	1
48	KBE-298-0277Y	INTAKE FOUNDATION	1
49	KBE-298-0280Y	REAR GASKET	1
50	KBE-298-0283Y	SCREW	1
51	KBE-298-0286Y	OIL SEAL	1
52	KBE-298-0289Y	PROTECTING RUBBER	1
53	KBE-298-0292Y	SCREW	1

PARTS BREAKDOWN

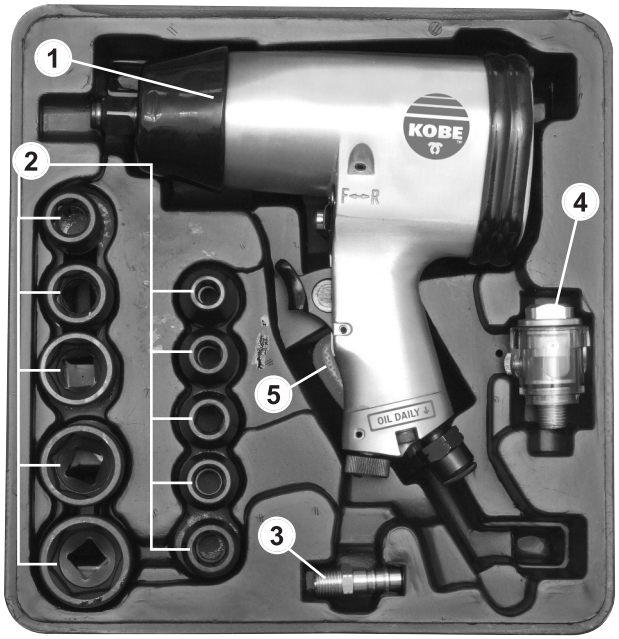


IDENTIFICATION





1. Housing
2. Handle
3. Air Inlet
4. Adjustable Air Regulator
5. Operating Trigger
6. Exhaust outlet
7. Forward/Reverse Switch
8. Anvil ½”
9. Protecting Rubber



1. IW500 ½” Impact Wrench
2. Impact Sockets (various sizes)
3. Threaded Tailpeace
4. In-line Mini Oiler
5. Oil Bottle

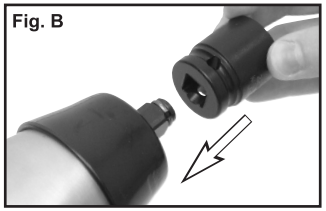
OPERATION

CAUTION!

- **ALWAYS** use the right tool for the job - DO NOT improvise by using accessories not designed for the tool or job.
- **ALWAYS** inspect the air tool for cracks or excessive wear before connecting and during use.
- Be careful not to over tighten fasteners.

ATTACHING OR REMOVING ACCESSORIES

1. Align the attachment with the air tool **(Fig. B)** and push firmly into place.
2. To remove, simply pull the impact socket off.


Fig. B

USING THE AIR TOOL

1. Carry out daily inspection and lubrication of the tool.
2. Remove the plastic dust cap using a pair of pliers **(Fig. C).**
3. Connect the air tool to the air supply using a whip hose.

   NOTE: A 17mm spanner will be required to hold the inlet while securing the whip hose.


Fig. C

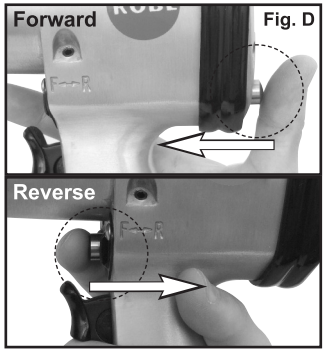
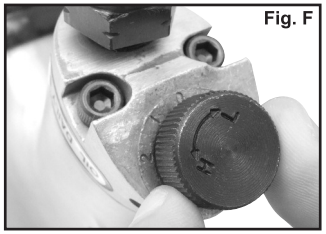


Fig. D


Fig. E


Fig. F

4. Select ‘Forward or Reverse’ by pressing the button shown in **Fig. D.**
5. Choose your required working speed ‘0’ being low and ‘9’ being high **(Fig. F).**
6. Hold the air tool firmly with both hands before starting.
7. Locate the wrench and socket fully over the nut/bolt and squeeze the trigger to start the tool **(Fig. E).** Release the trigger to stop the air tool.

   Do not allow the air tool to free run for an extended period.

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.

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

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. Quote the tools Part and Model Number when ordering spares.

CAUTION!

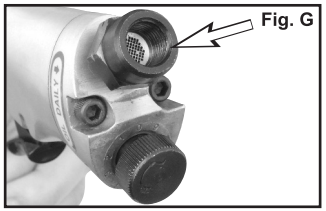
Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the airline, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. If outside conditions are in order and the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

WARNING!

Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment. Your warranty is invalid if this advice is ignored.

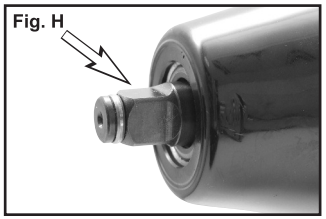
LUBRICATION

Air tools require lubrication throughout the life of the tool as moisture in the compressed air will rust the air motor and the correct lubrication is vital for the maximum performance of the air tool. Failure to lubricate the tool at the air inlet will void your warranty.


Fig. G

Either use the in-line mini oiler supplied with air tool oil adjusted to two drops per minute, or if the in-line mini oiler cannot be used, add one teaspoon of air motor oil to the inlet **(Fig. G)** 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.

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


Fig. H

Lubricate the tool holder regularly with a light machine oil. **(Fig. H).**

Do not lubricate the tool with flammable or volatile liquids such as paraffin (kerosene), diesel or jet fuel.

SERVICE & REPAIRS

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



