KOBE INDUSTRIAL AIR TOOLS

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 re-cycling 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.

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 IMPACT WRENCH 3/8" - 10,100rpm

(ORDER CODE: KBE-270-5820K)

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 April 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

IMPACT WRENCH 3/8" - 10,100rpm

MODEL: G7321

ORDER CODE: KBE-270-5820K



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 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

- **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

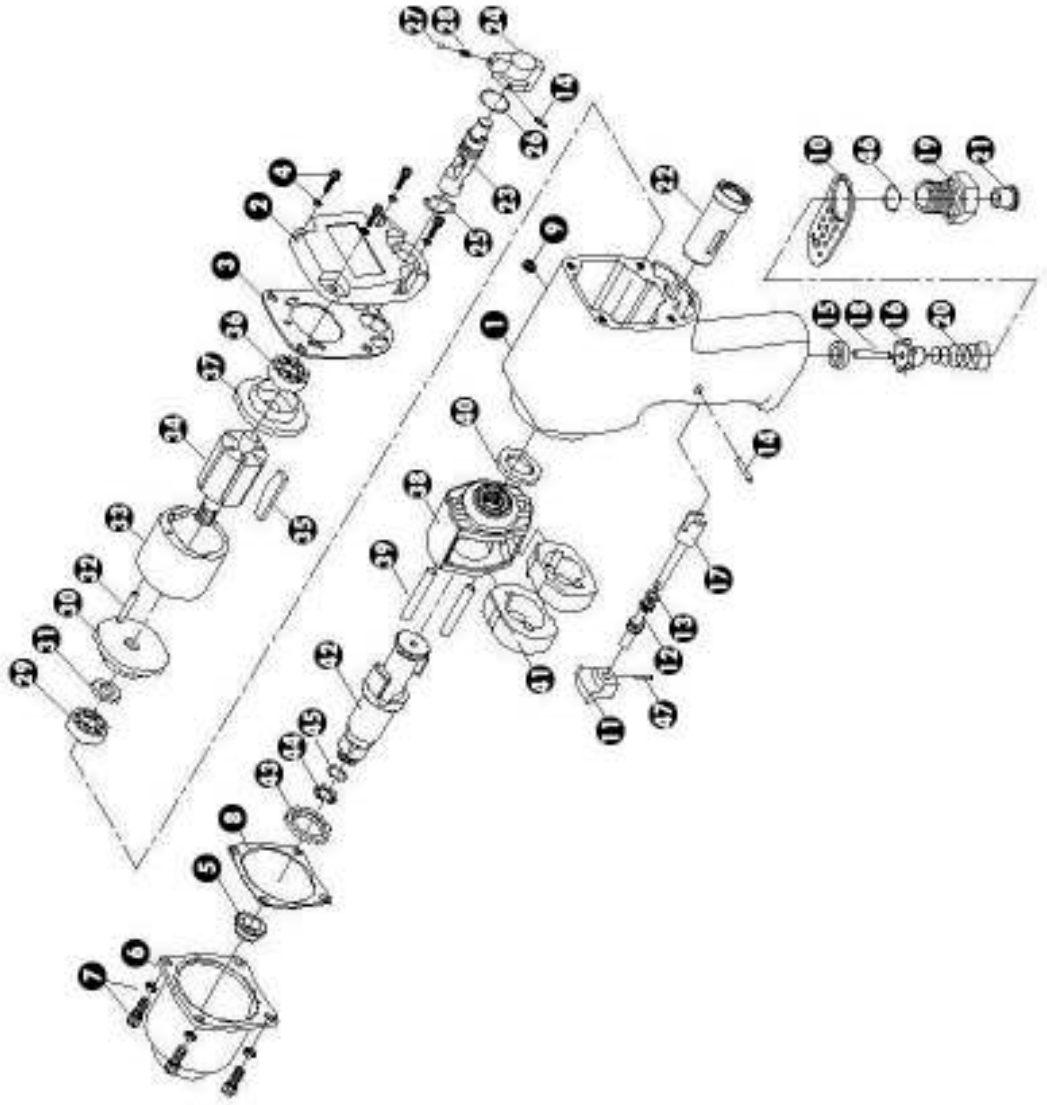
- **ALWAYS** ensure all accessories are rated to the “Free” speed of the air tool and intact before fitting or using.
- **ALWAYS** use air tool attachments that are in good condition and are designed to be used with the tool.
- **ALWAYS** be aware of the risk of crushing between the tool and the workpiece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

PARTS BREAKDOWN

No.	Description	Qty	No.	Description	Qty
1	Motor Housing	1	26	O-Ring(d8.8-∅1.9(P9))	1
2	Rear Cover	1	27	Steel Ball(S:∅1/8")	1
3	Rear Gasket	1	28	Spring(d2.0-D3.0-L10.0-0.5t)	1
4	Screw+Washer (W 3/16"-20L)	4	29	Ball Bearing(6000Z)	1
5	Anvil Bushing	1	30	Front End Plate	1
6	Clutch Housing	1	31	Oil Seal(d9.6-D18-3t)	1
7	Hex. Socket Bolt (3/16"-16L)	4	32	Cylinder Pin(∅3-L44)	1
8	Front Gasket	1	33	Cylinder	1
9	Clamp Screw (PT1/16"-L6.5)	1	34	Rotor	1
10	Muffle Cover	1	35	Rotor Blade	6
11	Trigger	1	36	Ball Bearing(609ZZ)	1
12	Trigger Base	1	37	Rear End Plate	1
13	O-Ring	1	38	Hammer Cage	1
14	Spring Pin(∅2*L18)	2	39	Hammer Pin	2
15	Throttle Bushing	1	40	Hammer Washer	1
16	Valve Stem	1	41	Hammer Dog	2
17	Throttle Pin	1	42	Anvil(3/8” 72.55mm)	1
18	Valve Pin(∅2.5-L18)	1	43	Anvil Washer	1
19	Hose Fitting (NPT-18T)	1	44	Anvil Collar	1
20	Spring(75L)	1	45	O-Ring(d6.8-∅1.9(P7))	1
21	Dust Cover	1	46	O-Ring(d13.8-∅2.4(P14))	1
22	Valve Sleeve	1			
23	Reverse Valve	1	Option:		
24	Lever Reverse	1	19-1	Hose Fitting (NPT-19T)	1
25	Retaining Ring	1			

PARTS BREAKDOWN



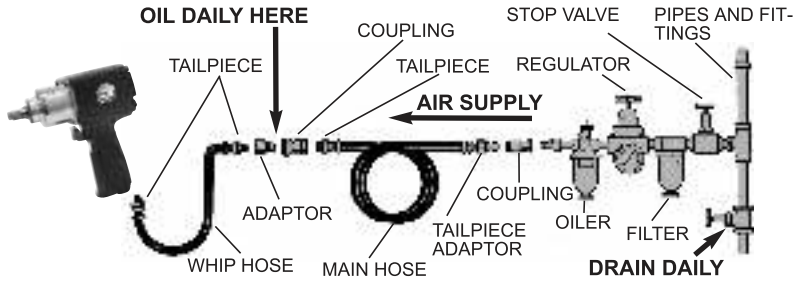
SAFETY INSTRUCTIONS

MODEL NUMBER	G7321
SQUARE DRIVE SIZE	3/8"
FREE SPEED	10,100 rpm
MAXIMUM TORQUE	393Nm (290ft-lbs)
WORKING TORQUE	339Nm (250ft-lbs)
RECOMMENDED AIR PRESSURE	6.2bar (90psi)
AIR CONSUMPTION	3.4cfm (based on 10sec/min)
AIR INLET THREAD	1/4" NPT

MINIMUM AIR HOSE SIZE (ID)	10mm (3/8")
NOISE LEVEL / SOUND PRESSURE †	88dBA
SOUND POWER LEVEL †	101dBA
VIBRATION LEVEL #	4.9m/s^2
OVERALL LENGTH	160mm
NET WEIGHT	1.39kg

† Per EN ISO15744:2002.
# Per EN 28927-2.

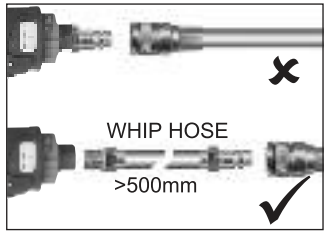
SUGGESTED AIR SUPPLY



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.



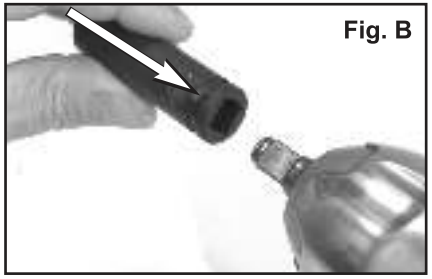
OPERATION

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

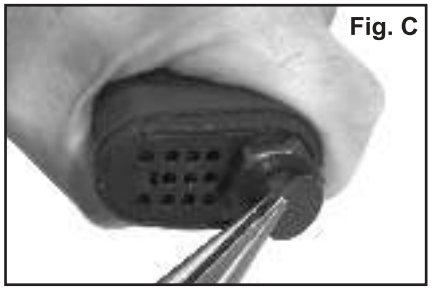
USING THE AIR TOOL

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.
4. Choose your required working speed **(Fig. D)**.

   FORWARD: Position 1 : 8000rpm
   Position 2 : 9100rpm
   Position 3 : 10100rpm
   REVERSE: 10200rpm **(Fig. D).**
5. Hold the air tool firmly with both hands before starting.
6. Locate the wrench and socket fully over the nut/bolt and squeeze the trigger to start the tool. Release the trigger to stop the air tool.

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


Fig. C

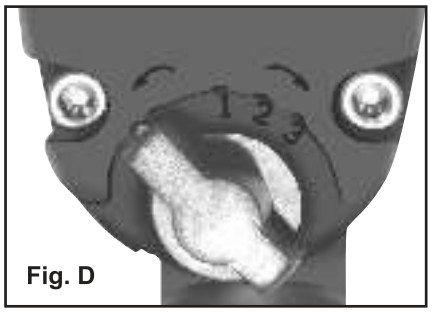


Fig. D

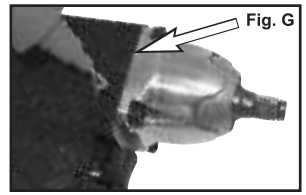
MAINTENANCE

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.

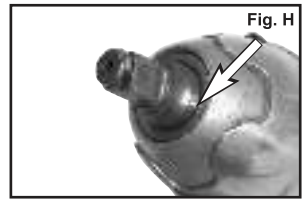
WARNING!
Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment. Your warranty is invalid if this advice is ignored.

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 an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, remove the grub screw on the side of the body and add a few drops of air motor oil. (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.



