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 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.

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 REVERSIBLE PISTOL GRIP DRILL

(ORDER CODE: KBE-270-4310K)

complies with all the relevant provisions of the

EC Directive Machinery Directive 2006/42/EC;
EMC Electromagnetic Compatibility 2014/30/EU

Standards Applied:
EN ISO 12100:2010
EN ISO 11148-3:2012
EN ISO 28927-5:2009
EN ISO 15744:2008

RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU

Standards Applied:
EN 50581-1:2012

Signed:
Date: 1st July 2017
Name: Keith Read
Position: HSQE Manager.

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

CE

QUALITY GUARANTEE & WARRANTY

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

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

KOBE INDUSTRIAL POWER 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

REVERSIBLE PISTOL GRIP DRILL
10mm (3/8") - 1,800rpm

MODEL
B2834

ORDER CODE:
KBE-270-4310K



- **Use for drilling and screw-driving**
- **Two speed trigger (slow speed when pushed halfway)**
- **Directional lever accessible from both sides for left/right handed use**
- **10mm (3/8") chuck included**
- **Planetary gears for longer life and smoother running**
- **Ergonomic comfortable grip**

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.

KOBE INDUSTRIAL AIR TOOLS

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 tool will last for many years.

KOBE INDUSTRIAL POWER TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Power tools can be dangerous if correct safety procedures are not observed. To reduce the risk of fire, electric shock and personnel injury, follow these basic precautions:

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.

KOBE INDUSTRIAL POWER TOOLS

SPECIFICATIONS

MODEL NUMBER	B2834
CHUCK SIZE	⅜" (10mm)
FREE SPEED	1,800 rpm
RECOMMENDED AIR PRESSURE	6.2bar (90psi)
AIR CONSUMPTION	4cfm (113L/min)
AIR INLET THREAD	¼" NPT
SPINDLE THREAD	⅜" - 24
MINIMUM AIR HOSE SIZE (ID)	10mm (⅜")

NOISE LEVEL/SOUND PRESSURE †	85dBA
SOUND POWER LEVEL †	96dBA
VIBRATION LEVEL #	0.4m/s²
OVERALL LENGTH	185mm
NET WEIGHT	1.1kg.

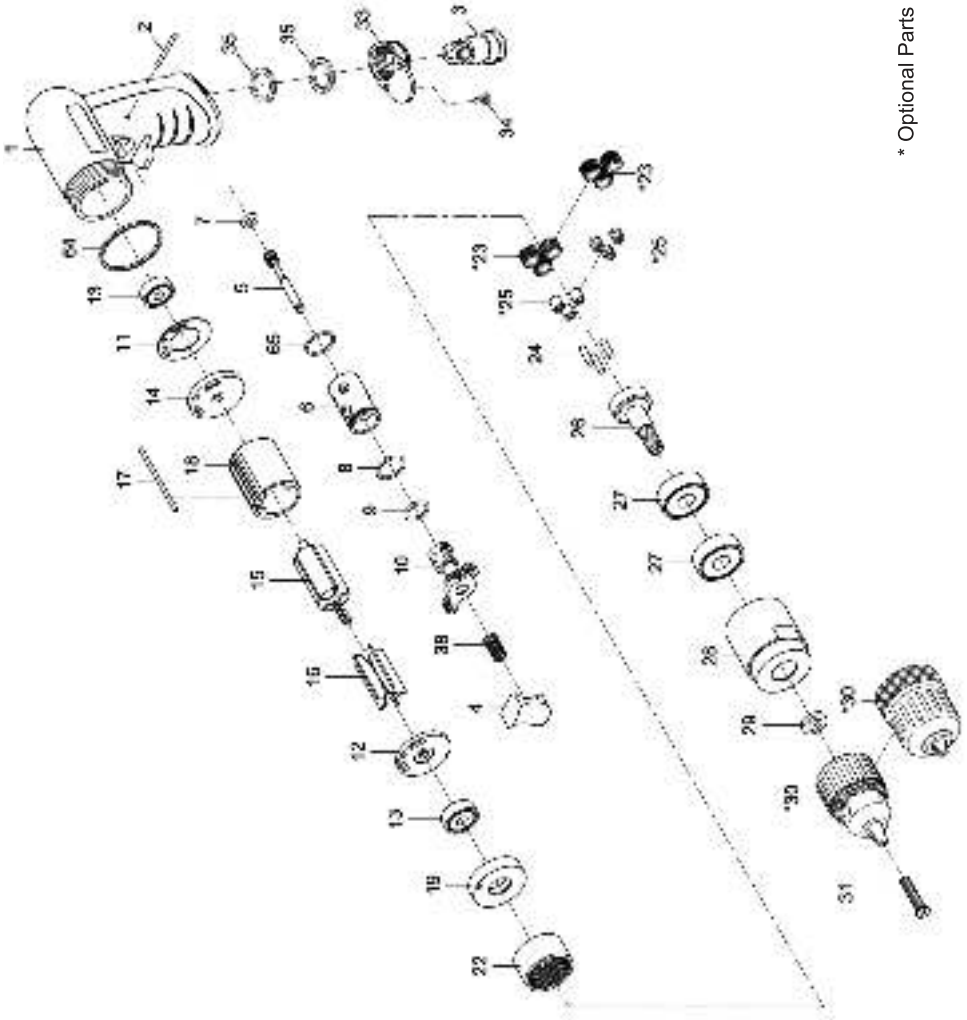
KOBE INDUSTRIAL AIR TOOLS

PARTS BREAKDOWN

INDEX NO.	ORDER CODE	DESCRIPTION
01	KBE-298-5846B	Housing
02	KBE-298-5851H	Pin (2.5x26.8)
03	KBE-298-5846H	Air Inlet
04	KBE-298-5846J	Trigger
05	KBE-298-5846K	Valve Stem
06	KBE-298-5845P	Valve Bushing
07	KBE-298-5845T	O-Ring (4.5x2.5)
08	KBE-298-5849V	O-Ring (15.5x1.5)
09	KBE-298-2243S	O-Ring (12x1.6)
10	KBE-298-5846M	Reverse Leaver
11	KBE-298-2249S	Motor Gasket
12	KBE-298-5850F	End Plate
13	KBE-298-4195S	Ball Bearing (2of) (626ZZ)
14	KBE-298-5846Q	Rear End Plate
15	KBE-298-5850H	Rotor
16	KBE-298-5850K	Rotor Blade (5of)
17	KBE-298-5846T	Pin (2.5x57)
18	KBE-298-5850M	Cylinder
19	KBE-298-2264S	Front End Plate

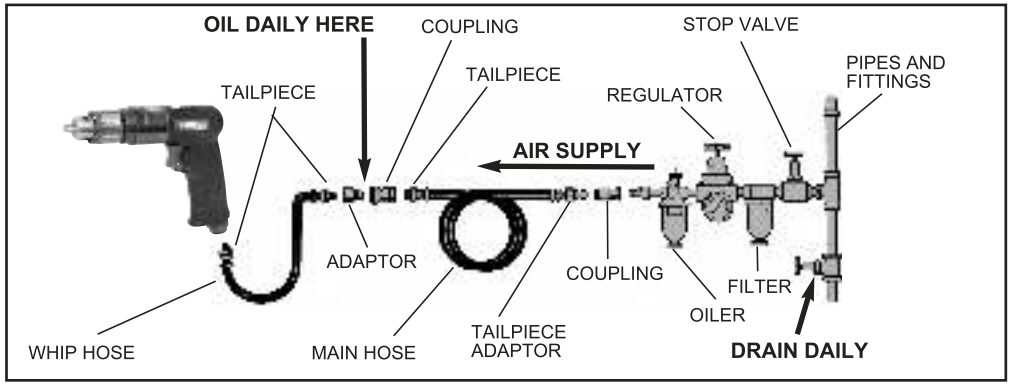
INDEX NO.	ORDER CODE	DESCRIPTION
22	KBE-298-2273S	Internal Gear
23*	KBE-298-5850P	Planet Gear (3of)
	KBE-298-5850Q	Planet Gear (3of)
24	KBE-298-5624A	Pin (3of) (4x13.8)
25*	KBE-298-2282S	Bushing (3of)
	KBE-298-5808H	Needle Bearing (3of) (4x7x8)
26	KBE-298-2120S	Work Spindle
27	KBE-298-5808E	Ball Bearing (2of) (6201Z)
28	KBE-298-2129S	Clamp Nut
29	KBE-298-1994S	Washer
30*	KBE-298-5810P	Industrial Key Chuck (⅜")
	KBE-298-9406S	Industrial Keyless Chuck (⅜")
31	KBE-298-2123S	Screw (M5x25)
33	KBE-298-5834H	Exhaust Diffuser
34	KBE-298-9367S	Screw (2of) (TS2.9)
35	KBE-298-5847D	Damping Material (2of)
38	KBE-298-9364S	Valve Spring
64	KBE-298-5847F	Decoration Ring
65	KBE-298-2156S	O-Ring (15.7x1.7)

PARTS BREAKDOWN



* Optional Parts

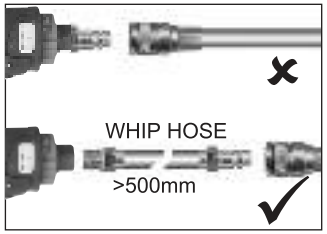
SUGGESTED AIR SUPPLY



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.

ATTACHING OR REMOVING ACCESSORIES

1. Disconnect air tool from air supply before changing attachment.
2. Use the chuck key to open the jaws of the drill **(Fig. B1),** slide a drill bit into the open jaws **(Fig. B2)** and then tighten with the chuck key until the drill bit is secure **(Fig. B3)**.


Fig. B1

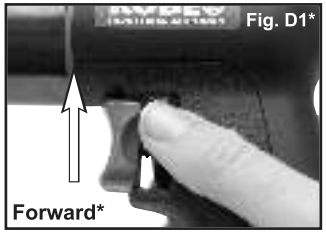

Fig. B2

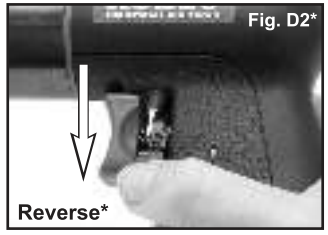

Fig. B3

USING THE AIR TOOL

1. Remove the plastic dust cap using a pair of pliers **(Fig. C)**.
2. 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.
3. Use the direction lever to switch between 'Forward or Reverse' **(Fig. D1*, D2*)**.


Fig. C


Fig. D1*
Forward*


Fig. D2*
Reverse*

4. When drilling metals it is advisable to mark the hole position with a centre punch, drill out with a small diameter drill bit to create a pilot hole and then drill out with the size drill required for the hole.
5. Hold the air tool firmly when starting the air tool.
6. The trigger regulates air flow and therefore the speed (0-1,800rpm). Squeeze the trigger gently **(Fig. E)** to get a feel for the speed before applying it to your targeted work area.

   Release the trigger to stop the air tool.

   Do not allow the air tool to free run for an extended period.
7. Carry out daily inspection and lubrication of the tool.


Fig. E

*** Fig D1** & **D2** show right hand use.

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.

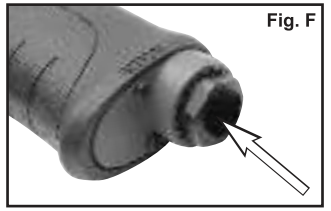
LUBRICATION

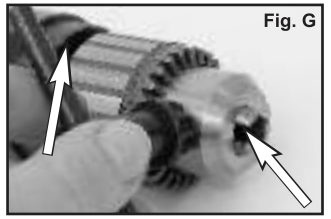
Air tools require lubrication throughout the life of the tool as moisture in the compressed air will rust the air motor and the correct lubrication is vital for the maximum performance of the air tool. Failure to lubricate the tool at the air inlet will void your warranty.

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 one teaspoon of air motor oil to the inlet **(Fig. F)** 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.

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

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


Fig. F


Fig. G

SERVICE & REPAIR

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



