THE ENVIRONMENT

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

DECLARATION OF CONFORMITY

We hereby certify that KOBE STAINLESS STEEL ¼"STRAIGHT AIR SCREWDRIVER KIT

(ORDER CODE: KBE-270-3800K)

complies with all the relevant provisions of the

Machinery Directive 2006/42/EC

Standards Applied:

EN ISO 11148-6:2010, EN ISO 12100:2010, EN ISO 28927-2:2009, EN ISO 15744 :2008

Signed:

Date: 1st June 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.
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KOBE™
PROFESSIONAL AIR TOOLS

STAINLESS STEEL ¼" STRAIGHT AIR SCREWDRIVER KIT

MODEL:
SS1525K

ORDER CODE:
KBE-270-3800K



- **Adjustable Clutch**
- **Reverse Exhaust**
- **Fingertip Control of Reverse Action**
- **¼" Hex bit size**
- **Ball Retainer mechanism**
- **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.

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

- Keep clear from all rotating spindles and moving parts.
- Always wear approved eye and face protection during operation, repair or maintenance of the tools, or whilst changing accessories.
- Ensure that all others in the area are wearing approved eye and face protection. Even small projectiles can injure eyes and cause blindness.
- Wear gloves to protect hands from cuts and burns.
- Do not touch accessories during or after use.
- Never disable safety lever throttle (where fitted).
- Ensure that all guards are correctly fitted.
- 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.

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.
- Proceed with care in unfamiliar surroundings. Hidden hazards may exist, such as drilling into electricity lines.
- These tools are not intended for use in a flammable or combustible atmosphere and are not insulated for contact with electric power sources.

PERSONAL PROTECTION

- **ALWAYS** ensure that long hair and/or loose clothing is secured.
- **AVOID** wearing watches, rings or bracelets whilst using this tool.



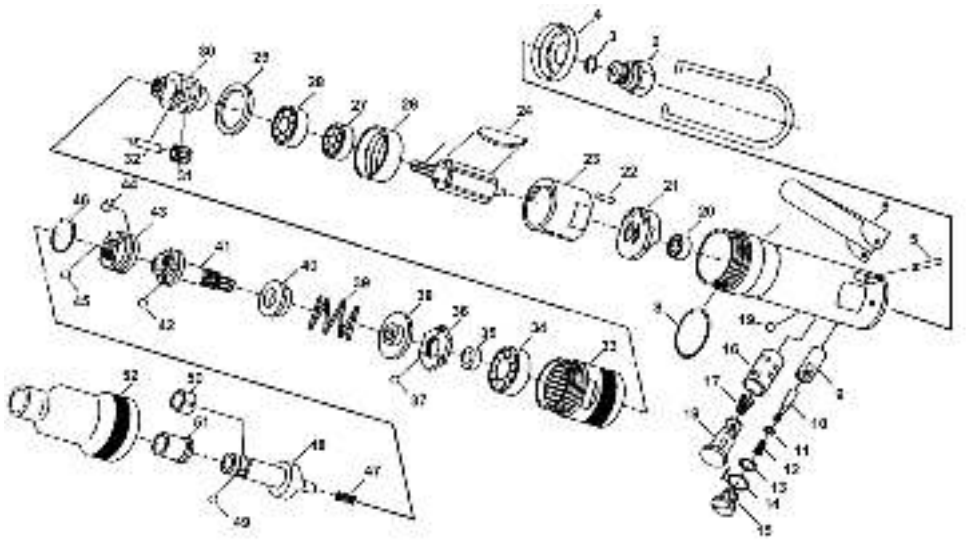
SPECIFIC OPERATING HAZARDS

- Do not use hand sockets on impact tools.
- Poor condition sockets or hand sockets used with impact wrenches can shatter.
- Always use the simplest hook-up possible. Long springy extension bars and adaptors absorb impact power and could break. Use deep sockets wherever possible.

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 on tool. See instructions for correct set up.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90psi/6.2bar or as stated on tool nameplate.

PARTS BREAKDOWN



Index No.	Order Code	Description	QTY
1	KBE-298-0803S	HANGER	1
2	KBE-298-0806S	AIR INLET	1
3	KBE-298-0809S	O.RING	1
4	KBE-298-0812S	EXHAUST COVER	1
5	KBE-298-0815S	LEVER PIN	1
6	KBE-298-0818S	SWITCH LEVER	1
7	KBE-298-0821S	ROTOR CASE	1
8	KBE-298-0824S	O.RING	1
9	KBE-298-0827S	BUSHING	1
10	KBE-298-0830S	VALVE STEM	1
11	KBE-298-0833S	O-RING	1
12	KBE-298-0836S	VALVE SPRING	1
13	KBE-298-0839S	O-RING	1
14	KBE-298-0842S	REVERSE RETAINER	1
15	KBE-298-0845S	VALVE SCREW	1
16	KBE-298-0848S	BUSHING	1
17	KBE-298-0851S	REVERSE SPRING	1
18	KBE-298-0854S	REVERSE VALVE	1
19	KBE-298-0857S	STEEL BALL	1
20	CES-298-0695A	BALL BEARING	1
21	KBE-298-0860S	REAR END PLATE	1
22	KBE-298-0863S	PIN	1
23	KBE-298-0866S	CYLINDER	1
24	KBE-298-0869S	ROTORBLADE	1
25	KBE-298-0872S	ROTOR	1
26	KBE-298-0875S	FRONT PLATE	1
27	CES298-0627B	BALL BEARING	1

Index No.	Order Code	Description	QTY
28	CES-298-0609B	BALL BEARING	1
31	KBE-298-0884S	PLANET WHEEL	1
32	KBE-298-0887S	PLANET PIN	1
33	KBE-298-0890S	INTERNAL GEAR	1
34	CES-298-6001B	BALL BEARING	1
35	KBE-298-0893S	COLLAR	1
36	KBE-298-0896S	ADJUST NUT	1
37	KBE-298-0899S	STEEL BALL	1
38	KBE-298-0902S	ADJUST NUT SEAT	1
39	KBE-298-0905S	CLUTCH SPRING	1
40	KBE-298-0908S	CLUTCH SPRING SEAT	1
41	KBE-298-0911S	CLUTCH SPINDLE	1
42	KBE-298-0914S	STEEL BALL	1
43	KBE-298-0917S	DOG	1
44	KBE-298-0920S	DOG PLUG	1
45	KBE-298-0923S	BALL	1
46	KBE-298-0926S	DOG RETAINER	1
47	KBE-298-0929S	CENTRE SPRING	1
48	KBE-298-0932S	ANVIL	1
49	KBE-298-0935S	STEEL BALL	1
50	KBE-298-0938S	STEEL BALL COLLAR	1
51	KBE-298-0941S	BUSHING	1
52	KBE-298-0944S	CLUTCH CASE NUT	1
53	KBE-280-0049A	ADJUST SPANNER	1
54	KBE-280-0052A	STOP SPANNER	1

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.

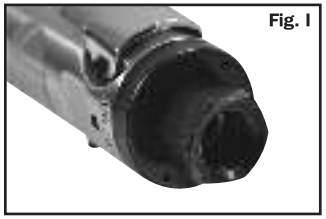
For spare parts or servicing please contact your local Kobe agent. Quote the tools Part and Model Number when ordering spares.

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. I

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. I)** 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. J

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

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

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.





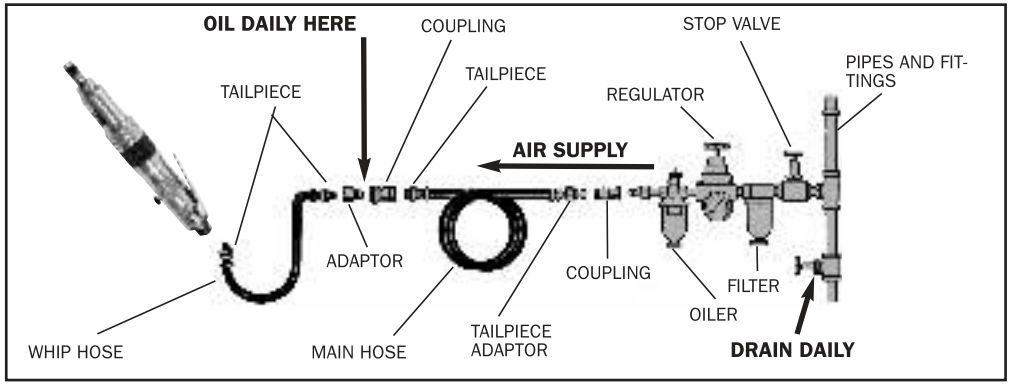
SPECIFICATIONS

MODEL NUMBER	NB160
CAPACITY	Steel - 1.6mm
	Aluminium - 2.0mm
CUTTING RATE	2.6mtr/min
AIR INLET THREAD	1/4 NPT
AIR HOSE SIZE (ID)	10mm
AIR PRESSURE	90PSI
AIR CONSUMPTION	4CFM*

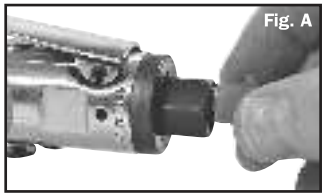
NOISE LEVEL †	91dBA
SOUND PRESSURE/POWER LEVEL †	104dBA
VIBRATION LEVEL #	5.9m/s²
OVERALL LENGTH	180mm
NET WEIGHT	0.98kg

† Per Pneurop Standard 8N-1.
# Per ISO 8662-1.
* Based on 15 second cycle per minute average use.

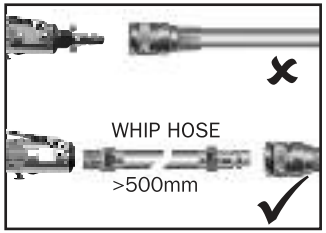
SUGGESTED AIR SUPPLY



1) Before connecting, ensure the dust cap is removed **(See 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

CONNECTING THE AIR LINE

Remove the plastic dust cap as shown in fig.1. Screw in the hose tail conector provided and connect the screwdriver to the air supply **using a whip hose**.

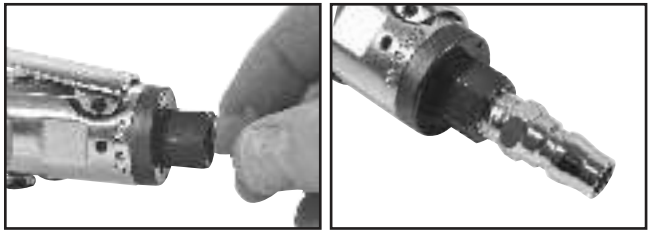


Fig. 1

INSERTING THE DRIVER BITS

To insert either the hex or straight bits, simply push the bit firmly into place - the bit will 'click' passed the retaining ball bearing. (See fig. 2).

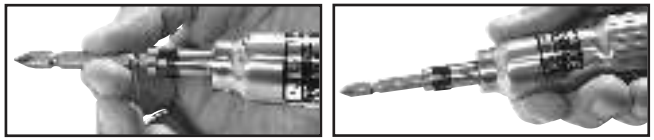


Fig. 2

The Screwdriver is designed to start when the bit is depressed against a fastener, and stop when either the clutch reaches the set torque, the trigger is released or pressure is removed from the bit.

REMOVING/REPLACING THE BITS

Taking a pair of pliers, grip the bit firmly and pull. The bit will be released from the retaining ball bearing. (See fig. 3)

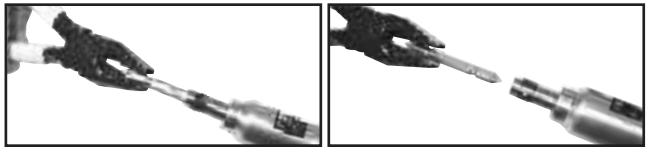


Fig. 3

USING THE REVERSE GEAR

The screwdriver has a reverse gear acion. Simply depress the knob found below the screwdriver trigger to activate. Reverse gear can also be locked into position by simply pushing and rotating (clockwise) the knob into position. To release reverse gear, push and twist the knob in the opposite direction. (See fig. 4)

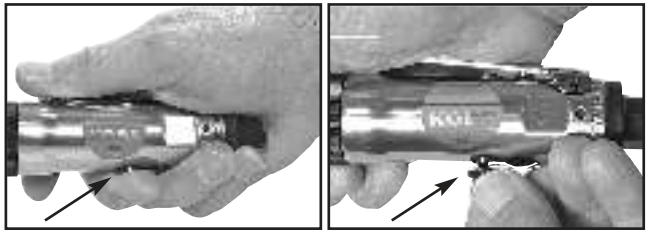


Fig. 4

OPERATION Continued

CHANGING THE TORQUE SPRING

1. Remove the clutch housing by unscrewing in an anti-clockwise direction. Remove the clutch assembly being careful not to loosen the collar as the assembly comes away from the main body. (Fig. 1)

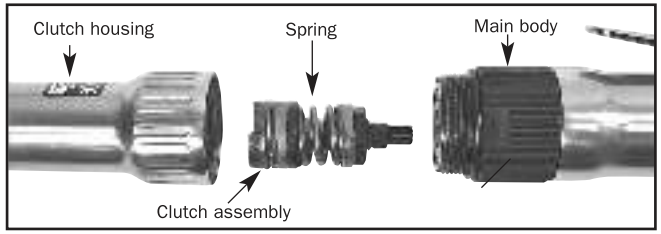
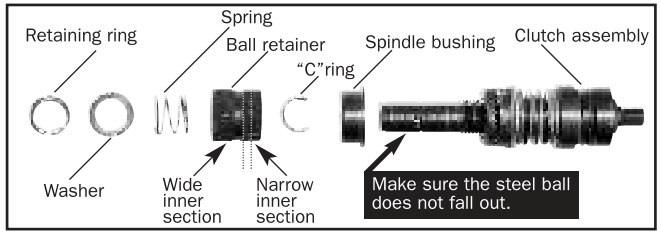


Fig. 1

2. Taking the spanner provided, unscrew the adjust nut (anticlockwise) until removed. (See fig. 3)

   The adjusting nut can be quite awkward. Use a vice or pliers to hold the clutch assembly being carefull not to damage the splines on the clutch spindle.



4. Once the adjusting nut is released, simply remove the adjust nut seat and spring. The clutch assembly is now ready to accept either a new or replacement spring.





5. Resemble the clutch by following the steps in reverse order, adjusting the torque to suit with the adjust nut during reassembly.





6. Finally, reassemble the clutch housing and main body tightening in a clockwise direction.

VARYING TORQUE

The screwdriver comes complete with interchangeable springs for light and heavy duty oporations (plus one spare heavy duty spring), to accomodate various aplications. Torque can be set by changing the spring gauge, or by varying the pressure on the spring using the spanner provided.