



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 FWR 3/8" RATCHET WRENCH**

(ORDER CODE: KBE-270-2360K)

complies with all the relevant provisions of the

EC Directives
Machinery Directive 2006/42/EC

Standards Applied:

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

EN ISO 15744:2008

Signed: 

Date: 1st January 2017

Name: Keith Read

Position: HSQE Manager.

KOBE TOOLS

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



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.

KOBETM

INDUSTRIAL AIR TOOLS

FWR 3/8" RATCHET WRENCH

MODEL:
FSR375

ORDER CODE:
KBE-270-2360K



- Suitable for the removal and installation of threaded fasteners when doing automotive and light assembly work.
- 3/8" reversible hardened steel square drive.
- Working torque range 5~30 ft-lbs (7~41 Nm)
- 200rpm.
- Rubber handle provides grip and operator comfort with reduced hand chill.
- Three planetary gears for longer life and smoother running.
- Rubber cover protects the ratchet head and the workpiece.
- Short body length allows access into hard to reach areas.
- Low profile teasing throttle for precise speed control.
- Rotating rear exhaust with baffle for reduced noise.
- Rotating air inlet to prevent the air hose tangling.
- Adjustable air regulator.



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.

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.

- Always adhere to the processes and safety warnings, which are stated in the instruction manual.

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 avoid accidental starting of the tool by disconnecting it before replacing accessories or repairing.
- Always be aware of the tool rundown time.
- Never allow routine to lead to mistakes.
- Never operate if any parts are missing or damaged.
- Never allow untrained persons to operate the tool.

WORKPLACE HAZARDS

- Always ensure your working area is clean and well lit.
- When working at height make sure that the tool is safely secured and be aware of objects falling below. Make sure that no persons are working directly below the working area.
- Do not operate in explosive atmosphere, for instance extreme dust, gases and liquids.
- Keep children and bystanders away while operating the tool. Distractions can cause you to lose control.
- Never run the tool in areas exposed to water or in damp conditions.

PERSONAL PROTECTION

- Always wear approved eye protection during operation. Use safety glasses or goggles which conform to BSEN136 or CE equivalent that provide protection from the front and side. The operator of the power tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.

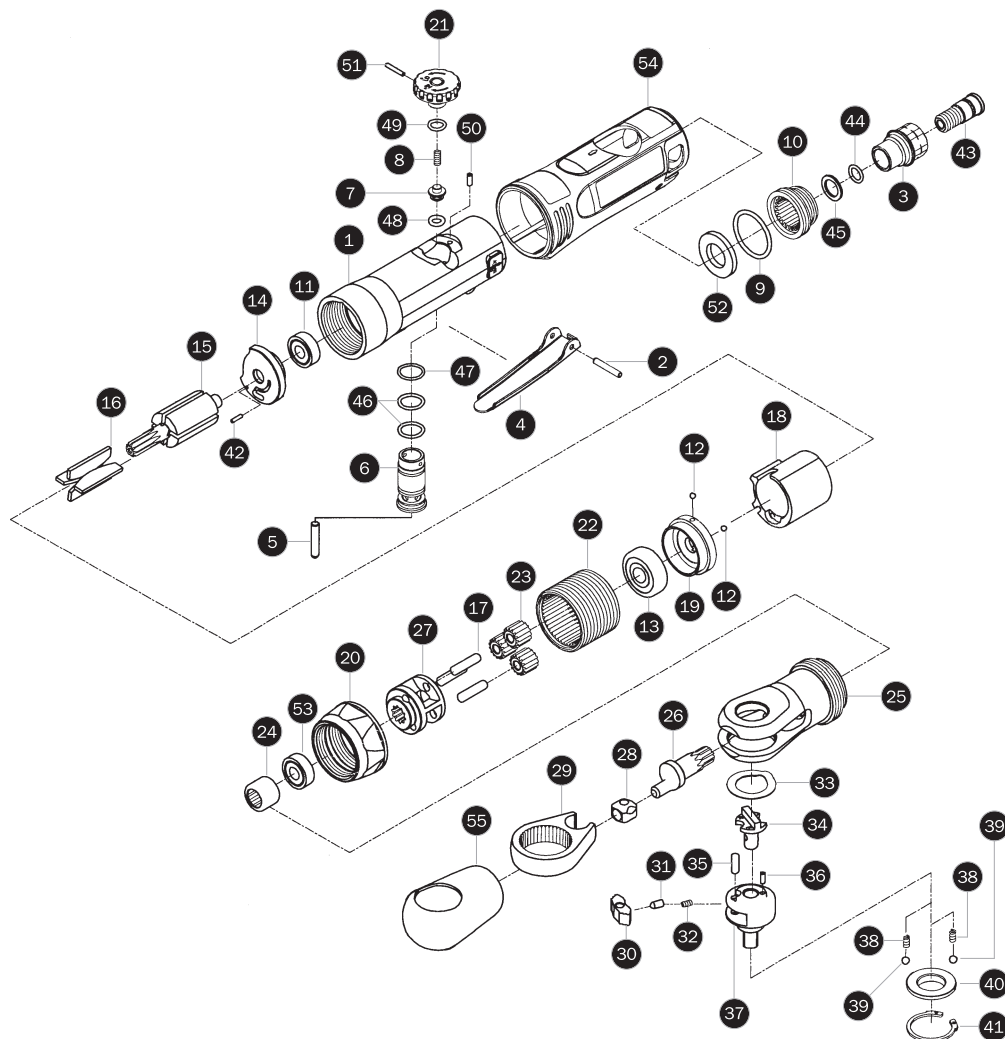
- Always consult a doctor if numbness, tingling, pain or whitening of the skin occurs. Repetitive work motions, awkward positions and exposure to vibration can cause "Repetitive Strain Injuries".

- When operating the tool stay alert and use common sense, especially when it comes to working at height. Be aware of what's below you.
- Do not overreach. Keep a proper balance and footing at all times.
- Do not use the tool if under the influence of alcohol, drugs or medication.

SPECIFIC SAFETY INSTRUCTIONS

- 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.

No.	Order Code	Description	No.	Order Code	Description
1	KBE-298-5500A	Housing	30	KBE-298-5530G	Ratchet pawl
2	KBE-298-9302S	Spring pin (3x18L)	31	KBE-298-5531H	Spring cap
3	KBE-298-5502C	Connection	32	KBE-298-5532J	Spring
4	KBE-298-5503D	Throttle lever	33	KBE-298-5533K	Washer
5	KBE-298-5504E	Valve pin	34	KBE-298-5534L	Reverse button
6	KBE-298-5505F	Bushing	35	KBE-298-5535M	Pin (3.3x8.8)
7	KBE-298-5506G	Throttle valve	36	KBE-298-9347S	Spring pin (2x5L)
8	KBE-298-5507H	Spring	37	KBE-298-5537P	Ratchet anvil 3/8"
9	KBE-298-1978S	"O" ring (22.8x2)	38	KBE-298-5538Q	Spring (2)
10	KBE-298-5509K	Deflector	39	KBE-298-3763S	Steel ball (2) (1/8")
11	CES-298-0696P	Ball bearing (696zz)	40	KBE-298-5540S	Thrust washer
12	KBE-298-3762S	Steel ball (2) (3/32")	41	KBE-298-5541T	Retainer ring (IRTW-22)
13	CES-298-0629D	Ball bearing (627zz)	42	KBE-298-00435	Spring pin (1.5x6L)
14	KBE-298-9314S	Rear end plate	43	KBE-298-5543W	Fixed shaft
15	KBE-298-5514Q	Rotor	44	KBE-298-5268X	"O" ring (7.5x1.5)
16	KBE-298-5515R	Vane (4)	45	KBE-298-5545Y	Washer
17	KBE-298-5516S	Idler gear pin (3) (4x15.8L)	46	KBE-298-5546Z	"O" ring (2) (10.7x1.5)
18	KBE-298-5517T	Cylinder	47	KBE-298-5548A	"O" ring (11.4x1.3)
19	KBE-298-5518V	Front end plate	48	KBE-298-0016S	"O" ring (3.8x1.9)
20	KBE-298-5519W	Nut	49	KBE-298-5550C	"O" ring (6.5x1.5)
21	KBE-298-5609K	Knob	50	KBE-298-2177S	Spring pin (2.5x6L)
22	KBE-298-5521Y	Thread ring gear	51	KBE-298-5552E	Spring pin (2x12L)
23	KBE-298-5522Z	Idler gear (3)	52	KBE-298-5553F	Damping material
24	KBE-298-5524A	Needle bearing (HK0910)	53	KBE-298-5554G	Ball bearing (689zz)
25	KBE-298-5525B	Ratchet housing	54	KBE-298-5555H	Rubber grip
26	KBE-298-5526C	Crank shaft	55	KBE-298-5556J	Rubber hat
27	KBE-298-5527D	Idler gear plate	56	KBE-298-5557K	Specification label
28	KBE-298-5528E	Drive bushing	57	KBE-298-9902A	Warning label 29x16mm
29	KBE-298-5529F	Yoke	58	KBE-298-9903A	Warning label 20x16mm



Speed Ratchet 3/8" CE
SERIAL No. **FSR375**
200 RPM
Official agent: Kennedy Tools, Wigan Works, Lancashire, England

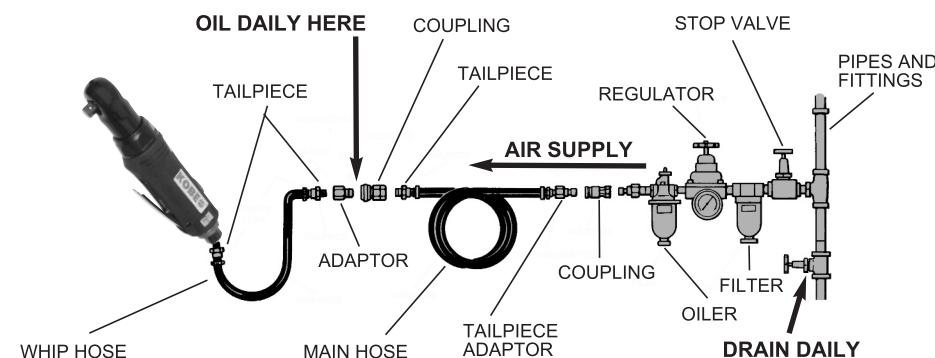
57
Read the Operator's
Manual before using and
servicing the air tool.

58
Use only
impact sockets
and accessories.
Always wear
eye protection.

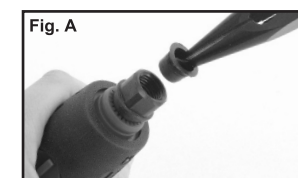
MODEL NUMBER.....	FSR375
WORKING TORQUE RANGE.....	5~30 ft-lbs (7~41 Nm)
ANVIL SIZE.....	3/8"
FREE SPEED.....	200rpm
AIR INLET THREAD.....	1/4" NPT
MINIMUM AIR HOSE SIZE (ID).....	10mm (3/8")
AIR PRESSURE.....	6.2bar (90psi)
AIR CONSUMPTION ¹	113Ltr/m (4cfm)
SOUND POWER LEVEL ²	88dBA
SOUND PRESSURE/NOISE LEVEL ²	84dBA
VIBRATION LEVEL ³	1.8m/s ²
OVERALL LENGTH.....	205mm
NET WEIGHT.....	640g

¹ Air consumption without load in 1 minute. ² Per Pneurop Standard EN ISO 15744:2002. ³ Per EN 28662-1.

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.

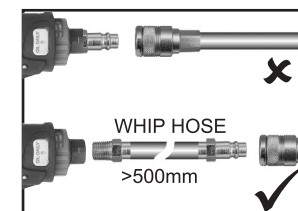


REQUIREMENTS FOR QUICK ACTING COUPLINGS CONNECTED TO AIR TOOLS:

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.





WARNING! BEFORE ATTEMPTING TO USE THIS PRODUCT, MAKE SURE YOU ARE FAMILIAR WITH ALL OPERATING AND SAFETY INSTRUCTIONS.

Always use the correct size of impact socket that matches the size of the fastener.

Before using the Speed Ratchet, during use or installing impact sockets, inspect the impact sockets for cracks or excessive wear.

Only use impact sockets which are specifically designed and hardened for use with a Speed Ratchet. Impact sockets are generally black in colour rather than reflective chrome.

Do not use any additional force upon the Speed Ratchet in order to remove a fasteners.

Be careful not to over tighten fasteners. Speed Ratchets are not torque wrenches and are not designed or capable of installing fasteners to a specified torque. For fasteners requiring a specific torque, use a hand torque wrench.

ATTACHING OR REMOVING SOCKETS

1. Align the hole on the side of the impact socket with the retaining ball on the side of the square drive head (See fig. 3). This will ensure that the impact socket will not slip off when it is pulled away from the nut/bolt.
2. Press the impact socket firmly on to the drive head until you feel the retaining ball locate in the hole of the impact socket.
3. To remove, simply pull the impact socket off.

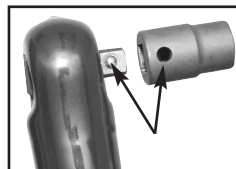


Fig. 3

OPERATION

Do not drop the Speed Ratchet or apply excessive hand force as this may break the ratchet head.

1. Carry out daily inspection and lubrication of the tool.
2. Remove the plastic dust cap using a pair of pliers (See fig. 4).
3. Connect the Speed Ratchet to the air supply using a whip hose. Due to the rotating air inlet feature, a 17mm spanner will be required to hold the inlet while securing the whip hose.
4. Rotate the selector anti-clockwise to select forward or clockwise for reverse operations (See fig. 5).
5. Rotate the exhaust port (See fig. 6) so that the air is directed away from yourself and ensure it does not agitate any dust in close proximity.
6. Hold the Speed Ratchet firmly with both hands (See fig. 7).
7. Hold the impact socket over the fastener and squeeze the trigger to operate the Speed Ratchet (See fig. 8). Release the trigger to stop the Speed Ratchet.
8. The amount the throttle lever is squeezed, will determine the speed of the tool.
Do not allow the Speed Ratchet to free run for an extended period of time as this will shorten the tool's life.
9. Turn the speed regulator knob to select a High or Low pressure (See fig. 9). The higher the pressure, the higher the torque output.

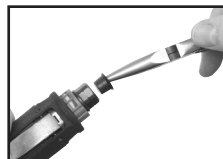


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

1. Disconnect wrench from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. Use genuine parts only. Non-authorized parts may be dangerous and will invalidate the warranty.
2. Lubricate the air wrench daily with a few drops of machine oil dripped into the air inlet to prolong its life.
3. Clean the wrench after use. Do not use worn, or damaged sockets.
4. Loss of power or erratic action may be due to the following:
 - a) Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy check the air supply and follow instructions in chapter 2.
 - b) Grit or gum deposits in the wrench may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.

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.

Any excess oil in the motor is expelled immediately from the exhaust port. Always direct the exhaust port away from people or objects (**Fig. G**).

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.

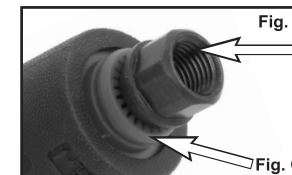


Fig. F

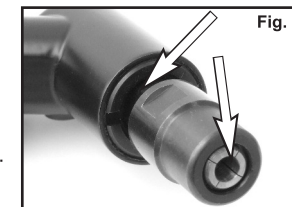


Fig. H

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

