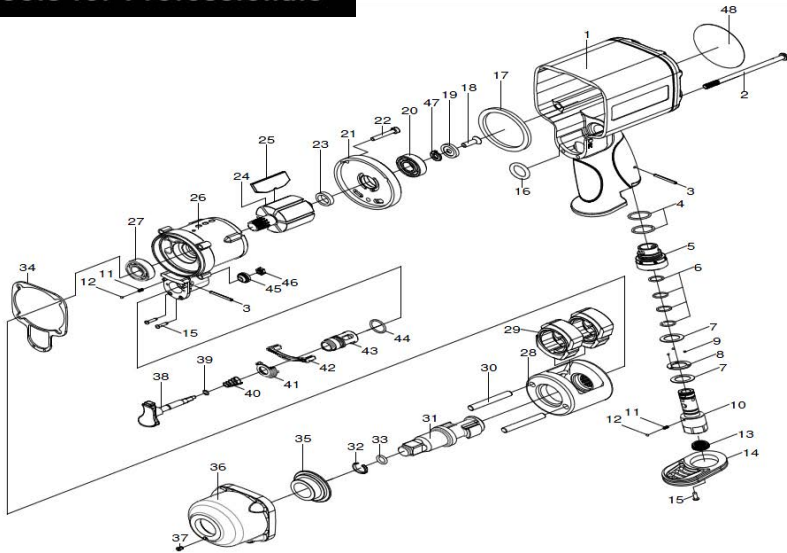




INSTRUCTIONS FOR:
**SUPER DUTY 1/2" COMPOSITE
 AIR IMPACT WRENCH**
 MODEL NO: 24400



Index	Part No.	Description	Qty	Index	Part No.	Description	Qty
1	24400A	Housing	1	25	24400Y	Rotor Blade	6
2	24400B	Cap Screw	4	26	24400Z	Cylinder	1
3	24400C	Spring Pin	2	27	24400AA	Ball Bearing	1
4	24400D	O-Ring	2	28	24400AB	Hammer Cage	1
5	24400E	Air Regulator	1	29	24400AC	Hammer Dog	2
6	24400F	O-Ring	4	30	24400AD	Hammer Pin	2
7	24400G	Thrust Washers	2	31	24400AE	Anvil (1/2")	1
8	24400H	Ball Positioning Piece	1	32	24400AF	Socket Retainer	1
9	24400I	Steel Ball	3	33	24400AG	O-Ring	1
10	24400J	Air Inlet Bushing	1	34	24400AH	Gasket	1
11	24400K	Spring	3	35	24400AI	Anvil Bushing (1/2")	1
12	24400L	Steel Ball	3	36	24400AJ	Hammer Case	1
13	24400M	Mesh Filter	1	37	24400AK	Grease Fitting	1
14	24400N	Exhaust Deflector	1	38	24400AL	Trigger	1
15	24400O	Screw	4	39	24400AM	O-Ring	1
16	24400P	O-Ring	1	40	24400AN	Spring	1
17	24400Q	Rubber Gasket	1	41	24400AO	Cover	1
18	24400R	Screw	1	42	24400AP	Reverse Lever Set	1
19	24400S	Washer	1	43	24400AQ	Air Regulator	1
20	24400T	Ball Bearing	1	44	24400AR	O-Ring	1
21	24400U	Rear End Plate	1	45	24400AS	Throttle Valve	1
22	24400V	Cap Screw	3	46	24400AT	Throttle Valve	1
23	24400W	Spacer	1	47	24400AU	Washer	1
24	24400X	Rotor	1	48	24400AV	Label	1



INSTRUCTIONS FOR:
**SUPER DUTY 1/2" COMPOSITE AIR
 IMPACT WRENCH**
 MODEL NO: 24400



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Follow all workshop safety rules, regulations, and conditions when using wrench.
- ⚠ **WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. *Use genuine parts only. Unauthorized parts may be dangerous and will invalidate the warranty.*
- ⚠ **WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Only use impact sockets which are specifically designed for use with an impact wrench.
- ✓ Wear approved safety eye/face shield, ear defenders and hand protection.
- ⚠ **WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend you wear suitable respiratory protection.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and non essential persons away from working area.
- ✗ **DO NOT** use the wrench for a task it is not designed to perform.
- ⚠ **WARNING! DO NOT** use wrench if damaged or thought to be faulty. Contact Service Agent.
- ✗ **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- ✗ **DO NOT** carry the wrench by the air hose, or yank the hose from the air supply.
- ✗ **DO NOT** operate wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

Combination of composite materials, alloyed metals and twin hammer design result in a lightweight, durable and powerful air impact wrench. Soft-grip handle with downward facing exhaust make this wrench comfortable on the hands and ears and limits the circulation of brake dust on wheel applications. Finger tip control of power and direction via lever on rear of wrench. Suitable for professional garage use.

Working/Maximum Torque:...	750 Ft.Lb.	Operating Pressure:.....	90 psi
Max Torque:.....	950 Ft. Lb.	Air Inlet Thread:.....	3/8"
Air Consumption:.....	36 SCFM	Weight:.....	4.58 Lbs
Noise Power:.....	96.2 db.A	Drive:.....	1/2" Sq.
Clutch Type:.....	Twin Hammer		

3. PREPARING WRENCH FOR USE

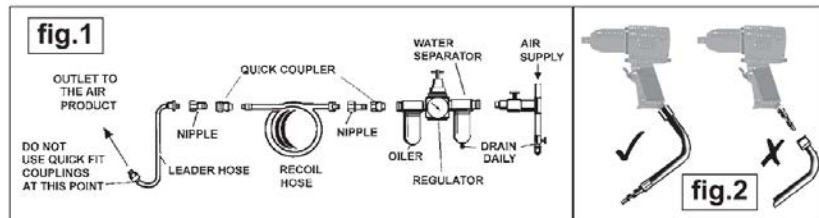
- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90 psi while operating the wrench. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.

AIR SUPPLY

Ensure wrench air valve (or trigger) is in the "off" position before connecting to the air supply. You will require an air pressure of 90psi, and an air flow according to specification. Drain the compressor air tank daily. Water in the air line will damage the wrench. Clean compressor air inlet filter weekly. Recommended hook-up procedure is shown in fig.1. Line pressure should be increased to compensate for unusually long air hoses (over 8 meters). The minimum hose diameter should be ¼" I.D. and fittings must have the same inside dimensions. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

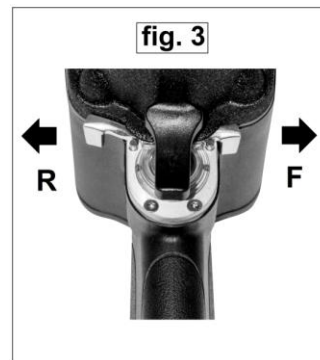
COUPLINGS

Vibration may cause failure if a quick change coupling is connected directly to the wrench. To overcome this, connect a leader hose to the wrench. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See fig.1 & 2.



4. OPERATING INSTRUCTIONS

- ❑ **WARNING! Ensure you read, understand and apply safety instructions before use.** Only use impact sockets which are specifically designed for use with an impact wrench. Connect the wrench to the air hose as in page 3. Place the socket over the fastener nut and depress the trigger to operate the wrench. To change the direction, push the switch on near the trigger to the desired direction. (fig.3) The air flow may be regulated by adjusting the air regulator dial on the bottom rear of the handle.
- ❑ **DO NOT** use any additional force upon the wrench in order to remove a nut.
- ❑ **DO NOT** allow wrench to free run for an extended period of time as this will reduce bearing life.



5. MAINTENANCE

- ❑ **WARNING!** Disconnect wrench from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Unauthorized parts may be dangerous and will invalidate the warranty.* If the air system does not have an oiler lubricate the air wrench daily with a few drops of air tool oil into the air inlet. Check and top up the gearbox by removing grub screw located under the impact head. Clean the wrench after use.
- ❑ **DO NOT** use worn, or damaged sockets.



Loss of power or erratic action maybe due to the following:

- 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 3.
- 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.

For a full service, contact your local Sealey service agent. When not in use, disconnect from air supply, clean wrench and store in a safe, dry, childproof location.