

Owner's Manual

CRAFTSMAN®

Pneumatic 3/8" Drive RATCHET WRENCH

Model No.
875.191171



WARNING:

Before operating tool, read this manual and follow all Safety Recommendations and Operating Instructions.

- ◆ Safety
- ◆ Warranty
- ◆ Features & Operation
- ◆ Maintenance
- ◆ Español

Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA

www.sears.com

SAFETY INSTRUCTIONS

Read Operating Instructions

Please become familiar with all the instructions and warnings before operating any pneumatic tool.

Always Wear Approved Eye Protection

Impact resistant eye protection should meet or exceed the standards set forth in ANSI Z87.1, Occupational and Educational Eye and Face Protection. Look for marking Z87.1 on your eye protection to ensure that it is an approved style.

Hearing Protection is Recommended

Hearing protection should be used when the noise level exposure equals or exceeds an 8 hour time-weighted average sound level of 85dBA. Process noise, reflective surfaces, other tools being operated nearby, all add to the noise level in a given work area. If you are unable to determine your noise level exposure, we recommend the use of hearing protection.

Avoid Prolonged Exposure to Vibration

Pneumatic tools can vibrate during use. Prolonged exposure to vibration or very repetitive hand and arm movements can cause injury. Discontinue the use of any tool if you experience tingling, numbness, discomfort or pain in your hands or arms. You should consult your physician before resuming use of tool.

90 PSIG Maximum

This tool is designed to operate at an air pressure of 90 pounds per square inch gauge pressure (90 PSIG) maximum, at the tool. Use of higher air pressure can, and may cause injury. Also, the use of higher air pressure places the internal components under loads and stresses they were not designed for, causing premature tool failure.

NOTE: THE AIR SUPPLY SHOULD BE CLEAN, DRY AND PREFERABLY LUBRICATED. FOR BEST RESULTS DRAIN THE MOISTURE FROM YOUR COMPRESSOR DAILY.

Use Only Impact Sockets & Accessories

Sockets and accessories used shall be of the impact socket type. Always check sockets, retainers and drives regularly for wear or damage and replace when necessary.

⚠WARNING

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from those exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specifically designed to filter out microscopic particles.

WARRANTY

FULL TWO YEAR WARRANTY ON CRAFTSMAN AIR-DRIVE TOOLS

If this Craftsman tool fails to give complete satisfaction within two years from the date of purchase, RETURN IT TO THE NEAREST SEARS STORE IN THE UNITED STATES, and Sears will repair it free of charge. If this Craftsman tool is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179.

FEATURES/SPECIFICATIONS

The Craftsman Model 875.191171 3/8" Drive Ratchet Wrench is designed for applications such as automotive repair, general assembly, transmission teardown and maintenance. Features include a lever throttle for speed control and low profile head for work in close quarters.

Features

- Lever throttle for ease of operation.
- 1-1/8" Ratchet head height (without socket) for use in close quarter applications.
- Front exhaust directs air away from operator.

Specifications

| | |
|----------------------------------|-------------|
| Maximum Torque | 45 ft.-lbs. |
| Air inlet | 1/4" NPT |
| Maximum operating pressure | 90 PSI |
| Free speed | 160 RPM |
| Air consumption | 4 CFM |
| Drive size | 3/8" |
| Overall length | 10" |
| Weight | 2½ lbs. |
| Hose Size | 3/8" I.D. |

INSTALLATION / PRE-OP

Pre-Operation

Before the tool is connected to the air supply, clear the air hose of accumulated dust and moisture by running air freely through the air hose for 5-10 seconds. Before removing a tool for service or changing sockets, make sure the air line is shut-off at the compressor. This will prevent the tool from operating if the throttle is accidentally engaged.

Installation (See figure 1)

This tool is designed to operate at 90 psi. Lower pressure (below 90 psi) will reduce performance of the tool while higher air pressure (over 90 psi) raises the performance of the tool beyond its rated capacity and could cause serious damage to tool and user.

Always use clean dry air. Excessive moisture and dirt will greatly reduce the life of any air motor. We recommend the installation of an in-line filter-regulator-lubricator as close to the tool as possible.

A 3/8" air hose is required up to a length of 8 ft. If more hose is required a 1/2" air hose should be used at the compressor. Attach a 3/8" whip hose for the remaining 4 - 8 ft. for flexibility. Be sure all hoses and fittings are the correct size and tightly secured before using air tool.

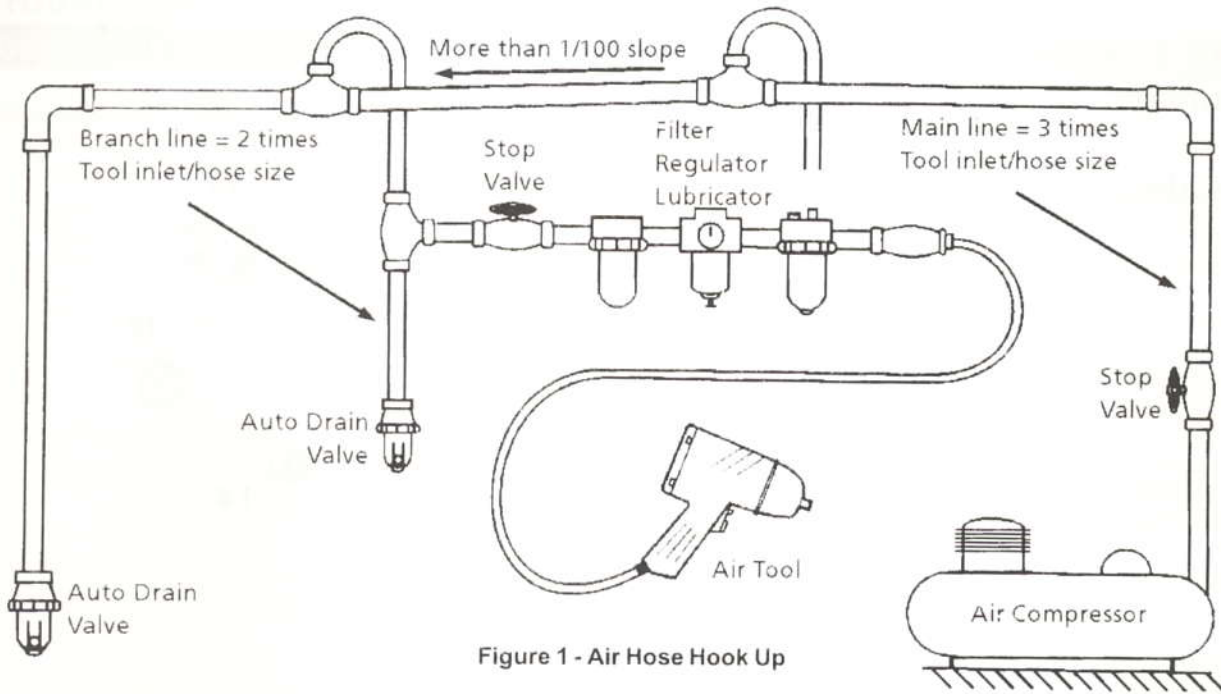


Figure 1 - Air Hose Hook Up

OPERATION

This ratchet is equipped with a lever throttle which allows the operator to vary the speed.

Initial tightening and loosening of fasteners should be done manually with the ratchet being used as a hand tool. Fasteners may then be run on and off with relative ease.

During use keep socket firmly against work surface to avoid dislodging the socket from the anvil. Direction control is located on the back of the ratchet head (Fig 2).

CAUTION

Excessive torque leverage above tool specifications will result in premature gear wear.

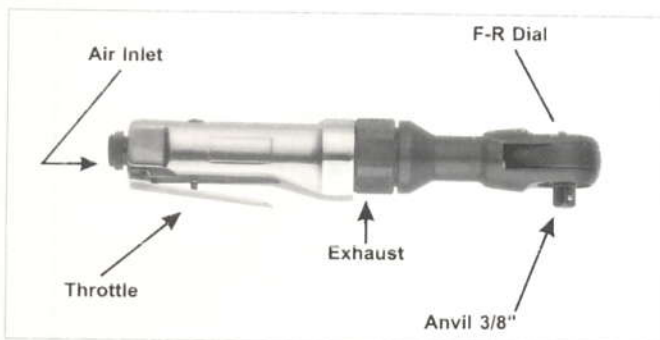


Figure 2 - Tool Diagram

WARNING

Disconnect tool from air supply before servicing or changing sockets.

MAINTENANCE

Lubrication

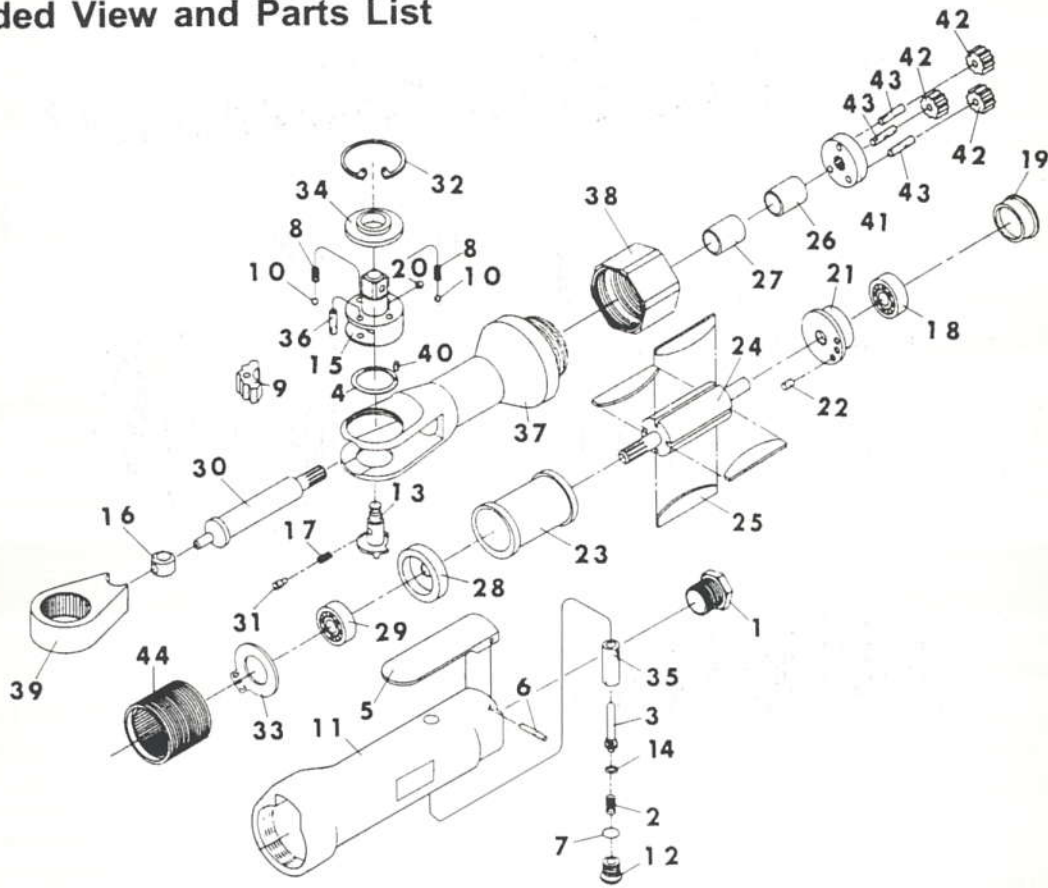
An in-line filter-regulator-lubricator (fig 1) is recommended as it increases tool life and keeps the tool in sustained operation. The in-line lubricator should be regularly checked and filled with air tool oil. Proper adjustment of the in-line lubricator is performed by placing a sheet of paper next to the tools exhaust ports and holding the throttle open approximately 30 seconds. The lubricator is properly set when a light stain of oil collects on the paper. Excessive amounts of oil should be avoided.

In the event that it becomes necessary to store the tool for an extended period of time (overnight, weekend, etc.), it should receive a generous amount of lubrication through the air inlet (fig 2). The tool should be run for approximately 30 seconds to ensure oil has been evenly distributed throughout the tool. The tool should be stored in a clean and dry environment.

Recommended lubricants: Use air tool oil or any other high grade turbine oil containing moisture absorbent, rust inhibitors, metal wetting agents and an EP (extreme pressure) additive. (See Fig. 2 for location/air inlet).

Sears Craftsman Model 875.191171 Pneumatic 3/8" Drive Ratchet Wrench

Exploded View and Parts List



| Ref. | Part No. | Description | Qty. | Ref. | Part No. | Description | Qty. |
|------|----------|-------------------|------|------|----------|--------------------|------|
| 1 | 938001 | Air Inlet Bushing | 1 | 24 | 938024 | Rotor | 1 |
| 2 | 938002 | Throttle Spring | 1 | 25 | 938025 | Rotor Blade | 4 |
| 3 | 938003 | Valve Stem | 1 | 26 | 938049 | Bushing | 1 |
| 4 | 938056 | Washer | 1 | 27 | 938027 | Bushing | 1 |
| 5 | 938005 | Throttle Lever | 1 | 28 | 930828 | Front End Plate | 1 |
| 6 | 925220 | Spring Pin | 1 | 29 | 906082 | Ball Bearing | 1 |
| 7 | 90080 | O-Ring | 1 | 30 | 938030 | Crank Shaft | 1 |
| 8 | 938008 | Friction Spring | 2 | 31 | 938031 | Spring Cap | 1 |
| 9 | 938009 | Pawl | 1 | 32 | 90028 | Internal Stop Ring | 1 |
| 10 | 90005 | Steel Ball | 2 | 33 | 938046 | Washer | 1 |
| 11 | 938011 | Motor Housing | 1 | 34 | 938034 | Thrust Washer | 1 |
| 12 | 938012 | Thro. Valve Pug | 1 | 35 | 938035 | Throttle Valve | 1 |
| 13 | 938013 | Reverse Button | 1 | 36 | 955140 | Needle Roller | 1 |
| 14 | 90040 | O-Ring | 1 | 37 | 938037 | Ratchet Housing | 1 |
| 15 | 938015 | Ratchet Anvil | 1 | 38 | 938038 | Clamp Nut | 1 |
| 16 | 938016 | Drive Bushing | 1 | 39 | 938039 | Ratchet Yoke | 1 |
| 17 | 938017 | Ratchet Spring | 1 | 40 | 925060 | Spring Pin | 1 |
| 18 | 906262 | Ball Bearing | 1 | 41 | 938041 | Idler Spindle | 1 |
| 19 | 938050 | Bearing Cap | 1 | 42 | 938042 | Idler Gear | 3 |
| 20 | 90006 | Steel Ball | 1 | 43 | 940170 | Needle Roller | 3 |
| 21 | 938021 | Rear End Plate | 1 | 44 | 938045 | Internal Gear | 1 |
| 22 | 920060 | Spring Pin | 1 | | | | |
| 23 | 938023 | Cylinder | 1 | | | | |

Troubleshooting

| Symptom | Possible Cause | Corrective Action |
|--------------------------------------|-------------------------------|---|
| Tool runs slowly or will not operate | 1. Grit or gum in tool | 1. Flush the tool with air tool oil or gum solvent. |
| | 2. No oil in tool | 2. Lubricate the tool according to the lubrication instructions in this manual |
| | 3. Low air pressure | 3. Adjust the compressor regulator to tool maximum of 90 psi. |
| | 4. Air hose leaks | 4. Tighten and seal hose fittings if leaks are found. Use teflon tape. |
| | 5. Pressure drops | 5. a. Be sure the hose is the proper size. Long hoses or tools using large volumes of air may require a hose with an I.D. of 1/2" or larger depending on the total length of the hose b. Do not use a multiple number of hoses connected together with quick connect fittings. This causes additional pressure drops and reduces the tool power. Directly connect the hoses together |
| | 6. Worn rotor blade in motor | 6. Replace rotor blade |
| | 7. Worn ball bearing in motor | 7. Remove and inspect bearing for rust, dirt and grit. Replace or clean and grease bearing with bearing grease |
| Moisture blowing out of tool exhaust | 1. Water in tank | 1. Drain tank. (See air compressor manual). Oil tool and run until no water is evident. Oil tool again and run 1-2 seconds |

Get it fixed, at your home or ours!

Your Home

For repair - **in your home** - of **all** major brand appliances, lawn and garden equipment, or heating and cooling systems, **no matter who made it, no matter who sold it!**

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and items like garage door openers and water heaters.

1-800-MY-HOME® (1-800-469-4663)

Call anytime, day or night (U.S.A. and Canada)

www.sears.com

www.sears.ca

Our Home

For repair of carry-in items like vacuums, lawn equipment, and electronics, call or go on-line for the location of your nearest

Sears Parts & Repair Center.

1-800-488-1222

Call anytime, day or night (U.S.A. only)

www.sears.com

To purchase a protection agreement on a product serviced by Sears:

1-800-827-6655 (U.S.A.)

1-800-361-6665 (Canada)

For after sale
support and assistance

1-800-290-9054

SEARS

® Registered Trademark / ™ Trademark / ™ Service Mark of Sears, Roebuck and Co.

® Marca Registrada / ™ Marca de Fábrica / ™ Marca de Servicio de Sears, Roebuck and Co.

MC Marque de commerce / MD Marque déposée de Sears, Roebuck and Co.

© Sears, Roebuck and Co.