

1/2 IN. DRIVE IMPACT WRENCH

Item Number W50080

OWNER'S MANUAL



Performance Tool®

▲WARNING: It is the owner and/or operators' responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this product. The owner/operator shall retain product instructions for future reference.

The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operators' native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The product shall be inspected per the operating instructions.

Users of this product must fully understand these instructions. Each person operating this product must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity or judgment.

Protect yourself and others by observing all safety information.

Failure to comply with instructions could result in personal injury and/or property damage! If you encounter any problems or difficulties, please contact our customer service department at: 1-800-426-1262 between 6 a.m. and 5 p.m. Pacific time.

PT[®]
Performance Tool

SPECIFICATIONS:

Input Voltage.....	120V ~ 60 Hz
Rated Current.....	7.5A
Drive (in.).....	1/2
Impacts/Min. (bpm).....	2,700
Max. Torque.....	220 ft. lbs.
Power Cord.....	6 ft./2-Prong

CAUTION: Use noise protection. Exposure to noise can lead to loss of hearing.

Specifications are subject to change without notice.

SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

▲WARNING: Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this product:

▲DANGER: Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

▲CAUTION: Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

▲WARNING: Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

▲NOTE: Indicates important information, which if not followed, MAY cause damage to equipment.

SYMBOL DEFINITIONS

IMPORTANT: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Explanation
V	Volts	Voltage (Potential)
A	Amperes	Current
Hz	Hertz	Frequency (Cycles per Second)
W	Watt	Power
Kg	Kilograms	Weight
	Alternating Current	Type of Current
	Direct Current	Type of Current
	Alternating or Direct Current	Type of Current
	Earthing Terminal	Grounding Terminal
	Class II Construction	Denotes Double Insulation
min	Minutes	Time
s	Seconds	Time
∅	Diameter	Size of Drill Bits, Grinding Wheels, etc.
n ₀	No load speed	No-load Rotational Speed
.../min	... per Minute	Revolutions, Surface Speed, Strokes, etc. per minute
1,2,3,...	Ring Selector Settings	Speed, Torque or Position Settings

UNPACKING AND INSPECTION

After opening the carton, unpack your new product and related parts and accessories. Please inspect it carefully for any damage that may have occurred during transit. Please check it against the photograph on carton. If any parts are missing, please call customer service at 1-800-426-1262 between 6 a.m. and 5 p.m. Pacific time.

▲WARNING: *DO NOT operate this product if damaged during shipment, handling or misuse. Do not operate the product until the parts have been replaced or the fault rectified. Failure to do so may result in serious personal injury or property damage. All damaged parts must be repaired or replaced as needed prior to operating this product. Check to see that all nuts, bolts and fittings are secure before putting this product into service.*

If you have any questions, or require assistance with damaged or missing parts, please contact our customer service department at 1-800-426-1262. Please have the serial number, model number, and date of purchase available for reference when calling.

OPERATION

▲WARNING: Always unplug the tool before changing accessories.

▲WARNING: The voltage specifications on the rating plate must correspond with the supply voltage.

This impact wrench is equipped with a rocker switch that switches the rotation from clockwise to counter-clockwise easily, allowing fasteners to be broken loose. Pressing the lower part of the switch causes the impact wrench to move clockwise. Pressing the upper part of the switch causes the rotation to reverse, counterclockwise.

ACCESSORIES

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

Always attach grounded (3-prong) extension cords to grounded (3-hole) outlets. If you must use an extension cord, be sure that the gauge is large enough to carry the amount of current necessary for your power tool. If not, your tool may experience a loss of power, excessive voltage drop or overheating. The smaller the gauge number, the heavier the cord (see table below).

RECOMMENDED SIZES OF EXTENSION CORDS FOR 120 VOLT AC 60 HZ TOOLS

CURRENT RATINGS IN AMPS		CONDUCTOR SIZE IN A.W.G.			
MORE THAN	MORE THAN	10 ft.	25 ft.	50 ft.	100 ft.
3	6	18	18	18	18
6	8	18	18	18	16
8	10	18	18	18	14
10	12	16	16	14	14
12	16	14	14	12	NOT RECOMMENDED
16	20	12	12	12	

▲ WARNING. READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS PRODUCT. FAILURE TO DO SO MAY RESULT IN FIRE, ELECTRICAL SHOCK, PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

WORKPLACE SECURITY

- Keep the area clean and well lit. Cluttered or dark areas can cause accidents.
- Do not use power tools in explosive environments, e.g. in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and people away during the use of the tool. Distractions can cause you to lose control of the tool.

ELECTRICAL SAFETY

- It is necessary that the power tool plugs are adapted to the base. Never modify the plug in any way. Do not use adapters with earthed tools. Unmodified plugs and adapted bases reduce the risk of electric shock.
- Avoid contact with grounded objects such as pipes, radiators, stoves and refrigerators. There is an increased risk of electric shock if your body is in contact with grounded surfaces.
- Do not expose power tools to rain or wet conditions. The penetration of water into a tool increases the risk of electric shock.
- Do not misuse the cord. Do not use the cord for carrying, pulling or unplugging the tool. Keep the cord away from heat, oil, edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a tool outside, use an extension cord suitable for outdoor use. Using an extension cord suitable for outdoor use reduces the risk of electric shock.
- If it is necessary to use the tool in a location with moisture, use a secure supply with residual current device (RCD). The use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- Be aware of what you are doing and use common sense while using the tool. Do not use a tool when you are tired or under the influence of drugs, alcohol or medication. A moment of distraction while using a tool can cause serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust masks, non-slip safety shoes, helmets or ear protection used in appropriate conditions will reduce the risk of injury.
- Avoid accidental starting. Make sure that the switch is in the off position before plugging in to power or battery, collect or transport. Carrying tools with your finger on the trigger or plugging the tool in with the trigger pulled can cause accidents and injury.
- Remove any adjusting key before turning the tool on. A key left attached to a rotating part of the tool may result in personal injury.
- Do not rush. Maintain proper footing and balance at all times. This allows better control of the tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewelry. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewelry or long hair can get caught in moving parts.
- If devices for connecting equipment for extraction and dust collection are supplied, make sure they are connected and properly used. Use of dust collection can reduce risks due to dust.

USE AND MAINTENANCE OF THE TOOL

- Do not force the tool. Use the right tool to the application being performed. A suitable tool will do the job better and more safely if used for the purpose for which it has been built.
- Do not use the tool if the switch does not allow to turn it on or off. Any tool that can not be controlled by the switch is dangerous and must be repaired.
- Disconnect the power supply before changing accessories or before storing the tool. These preventive safety measures reduce the risk of accidental starting of the tool.

USE AND MAINTENANCE OF THE TOOL

- Keep the tool away from children and do not allow tool to be used by people who are not familiar with the operation of the tool. Tools are dangerous in the hands of inexperienced operators.
- Make sure the tools moving parts are not aligned or blocked, that it has not broken any parts or any other condition that may affect the operation of the tool. In case of damage, take the tool to a repair service before using it again. Many accidents are caused by poorly maintained tools.
- Use the tool, accessories and blades, etc. according to these instructions, taking into account the working conditions and the work to be done. The use of the tool for operations other than those provided can lead to dangerous situations.

CARE AND MAINTENANCE

1. Repairs must be performed by a qualified expert, using only identical replacement parts. This will ensure that the safety of the tool is maintained.
2. Remove the battery from tool and disconnect the charger from the wall outlet before cleaning.

CLEANING

1. Keep protection devices, air vents and the motor housing as clean (dust free) as possible. Clean the tool with a clean cloth or clean with compressed air at low pressure.
2. We recommend cleaning the tool directly after each use.
3. Clean the tool regularly with a damp cloth and a little soap. Do not use any cleaner or detergent, they can damage the plastic parts of the tool. Ensure that no water enters the tool.

MAINTENANCE

1. The impact wrench will require lubrication after 30 continuous hours or 50 intermittent hours of use. Contact an approved service center for lubrication services.

Note: *UNPLUG WRENCH BEFORE INSPECTING BRUSHES! The brushes should periodically inspected for repair. Unscrew the plastic caps located on the side of the motor housing to reveal the spring and brush assembly. Keep brushes clean and freely sliding. Symbols are inscribed on the brushes, and if it is worn down to the line closest to the spring, replace immediately.*

ENVIRONMENTAL PROTECTION

This device uses electronic components, so they should not be deposited with household garbage! Please help by collaborating to protect resources and the environment. Dispose of these products through relevant recycling services, if any. For questions on this matter, please contact your local waste management or a specialized site.

1 YEAR WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part (s) being returned. For part (s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

Except for warranties of title and the limited express warranties set forth above, PERFORMANCE TOOL® makes no express or implied warranties of any kind with respect to its products. In particular, PERFORMANCE TOOL® makes no implied warranty of merchantability and no implied warranty of fitness for any particular purpose, except that for goods purchased primarily for personal, family or household use and not for commercial or business use.

PERFORMANCE TOOL® makes an implied warranty of merchantability (and, if otherwise applicable, an implied warranty of fitness for a particular purpose), but only for the particular qualities or characteristics, and for the duration, expressly warranted above.

The laws on limitation of implied warranties may differ from state to state, so the above limitations may not apply in all cases.

PERFORMANCE TOOL® shall not be liable for consequential, incidental or special damages resulting from or in any manner related to any product, or to the design, use, or any inability to use the product. The sole and exclusive remedy for a defective product or part shall be the repair, or replacement thereof as provided above. The laws on limitation of remedies or on consequential, incidental or special damages may vary from state to state, so the above limitations may not apply in all cases.