

## WAGAN Corp. Limited Warranty Registration Form

All WAGAN Corporation products are warranted to the original purchaser of this product. Warranty Duration: This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the even of a defective item, please ship the item, prepaid, with a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replaces or repair the defective part. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and does not extend to any units which have been used in violation of written instructions furnished.

**Warranty Disclaimers:** This warranty is in-lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

**Warranty Performance:** During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period.

- Please activate my limited warranty for WAGAN Corp. Impact Wrench Kit
- Enclosed copy of original sales receipt.

Name		
Mail Address		
City		
State, Zip Code		
Item Purchased	Impact Wrench Kit	
Stores Name		
Date of Purchase		
Signature		Date

All WAGAN Corporation Products must be registered within (30) days of purchased to activate this warranty. Mail the complete registration form, along with a copy of the original receipt to:

Attn: Customer Service  
 WAGAN Corporation  
 3589 Yale Way  
 Fremont, CA 94538

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Item no. 2257

# Impact Wrench Kit™



***User's Manual***

Thank you for purchasing the Impact Wrench Kit by Wagan Tech. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully before use.

### GENERAL SAFETY PRECAUTIONS :

1. Maintain labels and nameplates on this product. These carry important information.
2. Keep work area clean and dry. Cluttered, damp, or wet work areas invite injuries.
3. Keep children away from work area. Do not allow children to handle this product.
4. Store idle equipment. When not in use, tools and equipment should be stored in a dry location to prevent rust. Always lock up tools and equipment, and keep out of reach of children.
5. Do not use this product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
6. Use eye protection. Wear ANSI approved safety impact eye goggles when using this product.
7. Dress safely. Do not wear loose clothing or jewelry, as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in moving parts.
8. Do not overreach. Keep proper footing and balance at all times to prevent tripping, falling, back injury, etc.
9. Industrial applications must follow OSHA requirements.
10. Stay alert. Watch what you are doing at all times. Use common sense. Do not use this product when you are tired or distracted from the job at hand.
11. Check for damaged parts. Before using this product, carefully check that it will operate properly and perform its intended function.

Check for damaged parts and any other conditions that may affect the operation of this product. Replace or repair damaged or worn parts immediately.

12. Replacement parts and accessories: When servicing, use only identical replacement parts.
13. Maintain this product with care. Keep this product clean and dry for better and safer performance. For your safety, service and maintenance should be performed regularly by a qualified technician.
14. Use the right tool for the job. Do not attempt to force a small tool to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the capacity for which it was intended. Do not modify this tool, and do not use this tool for a purpose for which it was not intended.
15. Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding work space. Always keep the area free of obstructions, grease, oil, trash, and other debris.
16. Always disconnect the Impact Wrench from its electrical supply source before changing Sockets or performing any maintenance on the tool.

### WARNINGS :

- The Impact Wrench is designed for use with a 12 volt DC system only. Do not attempt to use any other type of electrical system.
- To avoid overheating the tool's motor, do not use the Impact Wrench continuously for over 8 minutes..
- Prior to performing maintenance or repair on a vehicle, make sure to read and understand all instructions and safety precautions as outlined in the vehicle manufacturer's owner's manual.
- This Impact Wrench is designed for emergency purposes only. For non emergency purposes, use an industrial/commercial class Impact Wrench.
- In the event of an emergency, move the vehicle a safe distance from the roadside and away from all other traffic. Park the vehicle on dry, flat, level, ground. Turn off the vehicle, and set the emergency brake before attempting to change a flat tire.
- Avoid accidental electrical shock. Keep the Impact Wrench dry at all times.

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USER'S MANUAL — Please read before using this equipment.

- Avoid eye injuries. Always wear ANSI approved safety impact eye goggles when working with a vehicle battery that under certain circumstances can explode, causing possible serious burns and injuries to the eyes.
- Avoid contact with battery acid. If splashed, immediately wash affected area with clean water. Continue washing until medical help is available.
- Avoid working alone. If an accident occurs, an assistant can bring help.
- When using a power hand tool, always grasp the tool firmly with both hands to maintain control of the tool.
- People with pacemakers should consult their physician(s) before using this product. Operation of electrical tools in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.
- The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

### UNPACKING :

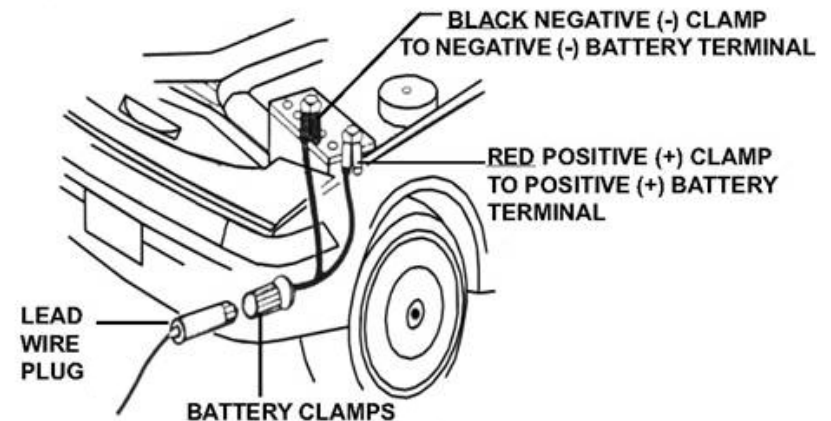
If any parts are missing or broken, please contact the store where it is being purchased.

Note that this 12-volt Impact Wrench operates differently than 115 volt or air impact wrenches. The motor will run to build inertia, and then will strike a blow of the hammer. This is repeated, becoming more rapid with decreased resistance. This is normal operation for this product.

### OPERATING INSTRUCTIONS :

#### NOTE :

1. Make sure the vehicle is parked safely away from all other moving traffic. Park the vehicle on a dry, flat, level, ground surface. Turn off the vehicle, and set the vehicle's emergency brake.
2. Select the appropriate size Socket with which to remove the Lug Nuts on the vehicle's wheel. Then, attach the Socket to the Impact Wrench. If the vehicle's cigarette lighter fuse is below 15 amps, you will need to use the vehicle's battery as an electric power source, using the Battery Clamps. To do so attach the Red positive (+) Clamp to the positive (+) terminal on the vehicle's battery. Then, attach the Black negative (-) Clamp to the negative (-) terminal on the vehicle's battery then connect the Lead Wire Plug to the Battery Clamps.
4. If the vehicle's cigarette lighter fuse is above 15 amps, you may use the vehicle's cigarette lighter receptacle as an electric power source. To do so, remove the cigarette lighter and insert the Lead Wire Plug firmly into the cigarette lighter receptacle.



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5. Remove the vehicle's spare tire and set it aside.
6. Use the vehicle's jack to raise the vehicle. **CAUTION!** Refer to the vehicle manufacturer's owner's manual for instructions on using the jack and to determine the proper lifting points on the vehicle. Always chock the opposite wheel.
7. If necessary, remove the wheel's hubcap to expose the wheel lug nuts.
8. Make sure the Impact Wrench is off. Then, depress the Forward/Reverse Switch to its Reverse position (counterclockwise rotation).
9. Insert the Socket onto the first wheel lug nut and, while maintaining a firm grip on the Impact Wrench with both hands, squeeze the Trigger until the wheel lug nut is removed from the wheel lug bolt. Release pressure on the Trigger to turn the Impact Wrench off. Remove the wheel lug nut from the Socket and set the lug nut aside. Then, repeat this Step to remove the remaining wheel lug nuts.
10. Once all of the wheel lug nuts are removed, carefully remove the vehicle's flat tire and install the spare tire onto the wheel lug bolts.
11. Finger tighten each of the wheel lug nuts onto the wheel lug bolts.
12. Make sure the Impact Wrench is off. Then, depress the Forward/Reverse Switch to its Forward position (clockwise rotation).
13. Note: Check vehicle owner's manual for tightening sequence. Insert the Socket onto the first wheel lug nut and, while maintaining a firm grip on the Impact Wrench with both hands, squeeze the Trigger until the wheel lug nut is firmly tightened onto the wheel lug bolt. Release pressure on the Trigger to turn the Impact Wrench off. Then, repeat this Step to tighten the remaining wheel lug nuts onto the lug bolts.
14. Using the vehicle's jack, slowly and carefully lower the vehicle.
15. If necessary, re-attach the vehicle's hubcap to the wheel. Then, store the vehicle's jack and spare tire securely in the trunk of the vehicle.
16. If the vehicle's battery was used to supply electricity to the Impact Wrench, disconnect the Red and Black Battery Clamps from the battery. Disconnect the Lead Wire Plug from the Battery Clamps. Remove the Socket from the Impact Wrench. Place the

Impact Wrench and its accessories in the Carrying Case. Then, store the Carrying Case securely in the vehicle's trunk.

17. If the vehicle's cigarette lighter receptacle was used to supply electricity to the Impact Wrench, disconnect the Lead Wire Plug from the cigarette lighter receptacle. Insert the cigarette lighter back into its receptacle. Remove the Socket from the Impact Wrench. Place the Impact Wrench and its accessories in the Carrying Case. Then, store the Carrying Case securely in the vehicle's trunk.

### INSPECTION, MAINTENANCE, AND CLEANING :

1. Before each use, inspect the general condition of the Impact Wrench. Check for loose connections, cracked, or broken parts, excessively worn or damaged wiring, and any other condition that may affect the safe and proper operation of the Impact Wrench. If a problem occurs, have the problem corrected before further use. Do not use damaged equipment.
2. When cleaning, use only water and a mild detergent. Do not immerse the Impact Wrench in liquid. Do not use cleaners that are combustible or corrosive.

### PRODUCT SPECIFICATIONS :

Name	Description
Electrical Requirements	12 Volt DC / 4.5 Amps
Fuse	13 Amp
Torque Capacity	155 lbf-ft (~ 210 N.m) Clockwise 250 lbf-ft (~ 340 N.m) Counterclockwise
Drive Socket Sizes	0.67in, 0.75in, 0.83in, 0.91in (17mm 19mm 21mm 23mm)
Cords	DC Cord/Plug for Cigarette Lighter Receptacle Alligator Cord/Clamps for Battery Terminal
Light	Built-In LED Light For Night Use