

# Cordless Impact Driver



|             |                        |
|-------------|------------------------|
| Machine:    | Cordless Impact Driver |
| Make/Model: | Makita XDT14           |
| Revised:    | 3 / 10 / 2023          |
| Author:     | Trevor Marks           |
| Location:   | Machine Shop           |
| Department: | Mechanical Engineering |

**DO NOT use this machine unless you have been trained in its safe use and operation!**

## Personal Protective Equipment



Safety Glasses  
Required



Caution  
Cut Hazard



Entanglement  
Hazard



Contain  
Long Hair



Do Not Wear  
Gloves



Do Not Wear  
Jewelry

## Potential Hazards

- Eye injury from flying chips or broken bits
- Cuts from contact with cutting tools
- Entanglement in rotation machine parts
- Burns from hot tools or hot work pieces
- Metal Splinters

## Typical Operations

- Driving screws
- Tightening screws and bolts
- Removal of screws and bolts
- DO NOT USE FOR DRILLING

## Procedure Checklist

### PRE-Operation:

- Identify Forward/Reverse lever, ensure lever is in the neutral (locked) position.
- Install battery cartridge by aligning the tongue on the battery cartridge with the groove

in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.

- Press the Forward/Reverse lever to the desired direction and press the switch trigger.
- Select the proper impact force for the job (see below).
- Ensure the appropriate bit is correctly installed and that it is appropriate for the task and material.
- Ensure the workpiece is secure and that you know what is behind your workpiece.


#### Operation:

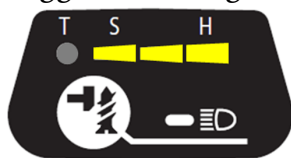
- Hold the tool firmly and place the point of the driver bit in the screw head.
- Apply forward pressure to the tool to the extent that the bit will not slip off the screw.
- To start the tool pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.
- Ensure the bit runs 'true' and does not wobble. Excess vibration must be identified and addressed immediately.

#### POST-Operation:

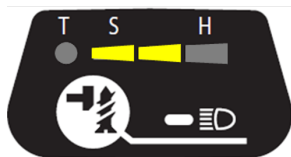
- Press the Forward/Reverse lever to the neutral (locked) position.
- Remove the bit and return to proper location.
- Remove the battery cartridge by sliding it from the tool while sliding the button on the front of the cartridge. Place the battery on an open charging port.
- Wipe tool down with a clean rag and return the tool to its proper storage place.
- Leave the work area in a safe, clean state.

### Changing the Impact Force

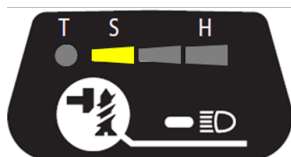
The impact force during a window of approximately one minute after releasing the switch trigger. To change the torque setting, press the  button.



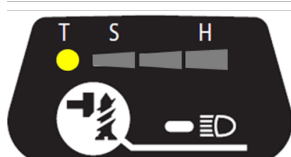
Hard: use with long screws  
or for tightening bolts



Medium: use when a good  
finishing in needed



Soft: use to avoid screw  
thread breakage



T mode: use with  
self-drilling screws

## Do's and Don'ts

### Do's:

- Read the user manual: [\[GitHub Link\]](#)
- Stay alert, watch what you are doing and use common sense when operating a power tool. A moment of inattention while operating power tools may result in serious personal injury.
- Be sure you have a firm footing and know what is behind your workpiece.
- Hold the tool firmly.
- Use the correct power tool for your application.

### Don'ts:

- Do not use the driver without approval!
- Do not force the power tool.
- Do not overreach.
- Do not touch the bit or the workpiece immediately after operation, they may be extremely hot and could burn your skin.