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> PARKSIDE Druckluft Schlagschrauber PDSS 310 A1 User Manual

Parkside PDSS 310 A1

PARKSIDE PDSS 310 A1 Pneumatic Impact Wrench User Manual

Model: PDSS 310 A1 | Brand: Parkside

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your PARKSIDE PDSS 310 A1 Pneumatic Impact Wrench. Please read this manual thoroughly before initial use and keep it for future reference.



Image 1.1: The PARKSIDE PDSS 310 A1 Pneumatic Impact Wrench. This image shows the main tool, a green and black impact wrench with a square drive for sockets and a trigger handle.

The PARKSIDE PDSS 310 A1 is a robust and powerful pneumatic impact wrench designed for various fastening and loosening tasks. It features a 4-stage adjustable impact power and a durable hammer mechanism, making it suitable for demanding applications. The tool operates on compressed air, requiring a compressor with a minimum tank volume of 50 liters.

2. SAFETY INSTRUCTIONS

Always observe general safety regulations when working with power tools. Failure to do so may result in serious injury or property damage.

- **Personal Protective Equipment:** Always wear safety glasses, hearing protection, and gloves when operating the impact wrench.
- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Air Supply:** Ensure the compressed air supply is clean and dry. Use an inline oiler as specified in the maintenance section. Do not exceed the maximum working pressure of 6.3 bar.
- **Tool Condition:** Before each use, inspect the tool for any damage. Do not use a damaged tool.
- **Secure Workpiece:** Always secure the workpiece to prevent movement during operation.
- **Proper Use:** Use the tool only for its intended purpose. Do not modify the tool.
- **Disconnect Air:** Always disconnect the air supply before changing accessories, performing maintenance, or when the tool is not in use.

3. PACKAGE CONTENTS

Carefully unpack all items and check for completeness and any signs of damage. If any parts are missing or damaged, contact your retailer.

- 1 x PARKSIDE PDSS 310 A1 Pneumatic Impact Wrench
- 10 x Socket Attachments (various sizes)
- 1 x Extension Attachment
- 1 x Nipple (approx. 6.35 mm / 1/4 inch)
- 1 x Inline Oiler
- 1 x Pneumatic Oil bottle
- 1 x Hex Key (for maintenance/adjustment, if applicable)
- 1 x User Manual (this document)



Image 3.1: Included accessories. This image displays a bottle of pneumatic oil, an inline oiler, and a quick-connect nipple, which are essential for the tool's operation and maintenance.



Image 3.2: Socket attachments and extension. This image shows a set of black impact sockets of various sizes and a black extension bar, designed for use with the impact wrench.

4. SETUP

1. **Prepare Air Compressor:** Ensure your air compressor is capable of providing a maximum working pressure of 6.3 bar and has a tank volume of at least 50 liters. Drain any condensation from the compressor tank.
2. **Connect Inline Oiler:** If not already integrated into your air line, connect the supplied inline oiler to the air inlet of the impact wrench. Fill the oiler with the provided pneumatic oil. This is crucial for the longevity of the tool.
3. **Attach Air Hose:** Connect your air hose to the nipple (approx. 1/4 inch) on the impact wrench. Ensure all connections are secure to prevent air leaks.
4. **Initial Lubrication:** Before first use, add a few drops of pneumatic oil directly into the air inlet of the tool if an inline oiler is not used or as an additional measure.
5. **Select Socket:** Choose the appropriate socket attachment for your task and firmly attach it to the square drive of the impact wrench. Use the extension attachment if needed.

5. OPERATING INSTRUCTIONS

5.1. Adjusting Impact Power

The PARKSIDE PDSS 310 A1 features a 4-stage adjustable impact power setting. This allows you to control the torque output for different applications. Locate the power adjustment dial, usually near the air inlet or trigger, and rotate it to select the desired power level. Start with a lower setting and increase if more torque is required.

5.2. Forward/Reverse Rotation

The tool has a switch for selecting forward (tightening) or reverse (loosening) rotation. This switch is typically located near the trigger for easy access. Ensure the tool is not operating when changing the direction of rotation.

5.3. General Operation

1. Ensure the workpiece is stable and secure.
2. Select the correct socket and attach it firmly.
3. Set the desired impact power and rotation direction.
4. Place the socket squarely onto the fastener.
5. Press the trigger to operate the tool. Apply steady pressure.
6. Release the trigger to stop the tool.
7. For loosening stubborn fasteners, the maximum loosening torque is 310 Nm.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your impact wrench.

- **Lubrication:** It is essential to lubricate the tool daily or before each use. Add 5-10 drops of pneumatic tool oil into the air inlet. If using an inline oiler, ensure it is filled and functioning correctly.
- **Cleaning:** Keep the tool clean and free from dirt and debris. Wipe down the housing with a damp cloth. Do not use harsh chemicals or solvents.
- **Air Filter/Regulator:** Regularly check and clean the air filter on your compressor and any inline filters/regulators to ensure a clean air supply to the tool.
- **Storage:** Store the impact wrench in a dry, clean place, away from direct sunlight and extreme temperatures. Disconnect it from the air supply before storage.
- **Inspection:** Periodically inspect the tool for worn or damaged parts, especially the square drive and air fittings. Replace any damaged components immediately.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not operating or low power	Insufficient air pressure/volume	Check compressor pressure and capacity (min. 50L tank, 6.3 bar)
	Air leaks in hose or fittings	Inspect all connections for leaks; tighten or replace
	Tool not lubricated	Add pneumatic oil to air inlet
	Clogged air filter	Clean or replace air filter
	Power setting too low	Adjust power setting to a higher level
Excessive air consumption	Air leaks	Check all connections for leaks
	Worn internal seals	Contact qualified service personnel
Tool gets hot	Lack of lubrication	Lubricate the tool
	Overuse/continuous operation	Allow the tool to cool down; avoid continuous heavy use

8. SPECIFICATIONS

Feature	Specification
Model	PDSS 310 A1
Brand	Parkside
Loosening Torque (max.)	310 Nm
No-load Speed	Approx. 7000 rpm
Working Pressure (max.)	6.3 bar
Recommended Compressor Tank Volume	From 50 liters
Impact Power Adjustment	4-stage
Rotation	Right/Left (Forward/Reverse)

Feature	Specification
Housing Material	Die-cast Aluminum
Item Weight	Approx. 4.28 kg

9. WARRANTY AND SUPPORT

For warranty claims, technical support, or spare parts, please contact your retailer or the manufacturer's customer service. Keep your proof of purchase for warranty purposes. Please refer to the official Parkside website or your purchase documentation for specific warranty terms and contact information.