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> Instruction Manual: uxcell Replacement Spiral Bevel Gear for 9553 Angle Grinder

uxcell a12032200ux0661

Instruction Manual: uxcell Replacement Spiral Bevel Gear for 9553 Angle Grinder

This manual provides essential information for the installation, operation, and maintenance of your uxcell Spiral Bevel Gear set.

1. PRODUCT OVERVIEW

The uxcell Spiral Bevel Gear set is designed as a replacement component for the 9553 Angle Grinder. These gears are crucial for transmitting power and changing the direction of shaft rotation within the angle grinder mechanism. The set includes a larger ring gear and a smaller pinion gear, both featuring spiral teeth for efficient power transfer.



Figure 1: The uxcell Spiral Bevel Gear set. This image displays the two components of the gear set: a larger, flat ring gear with a central bore and three mounting holes, and a smaller, conical pinion gear. Both gears are metallic with distinct spiral teeth designed for meshing.

Package Contents:

- 1 x Spiral Bevel Gear Set (consisting of one ring gear and one pinion gear)

2. INSTALLATION (SETUP)

This gear set is intended as a direct replacement for the original gears in a 9553 Angle Grinder. Proper installation is critical for the safe and effective operation of your angle grinder. It is recommended to consult the original angle grinder's service manual for specific disassembly and assembly procedures.

General Installation Steps:

1. **Safety First:** Ensure the angle grinder is unplugged from its power source before beginning any installation or maintenance.
2. **Disassembly:** Carefully disassemble the angle grinder housing to access the existing gear mechanism. Note the orientation and placement of all components.
3. **Gear Removal:** Remove the worn or broken ring gear and pinion gear from their respective shafts.
4. **New Gear Placement:** Install the new uxcell ring gear onto the main shaft and the new pinion gear onto the motor shaft. Ensure the gears are correctly aligned and seated. The ring gear is designed for a 12mm shaft diameter, and the pinion gear for a 6mm shaft diameter.
5. **Lubrication:** Apply appropriate gear grease to the teeth of both gears to ensure smooth operation and reduce wear.
6. **Reassembly:** Carefully reassemble the angle grinder housing, ensuring all screws are tightened securely.
7. **Test:** Before full use, perform a brief test run of the angle grinder to ensure the gears mesh correctly and operate smoothly without excessive noise or vibration.

Note: This product is a non-OEM replacement part. While designed for compatibility, slight variations may exist. Verify dimensions before installation if unsure.

3. OPERATION

The spiral bevel gear set functions as an integral part of the angle grinder's power transmission system. Once correctly installed, the gears will automatically engage during the operation of the angle grinder, transferring rotational motion from the motor to the spindle at a 90-degree angle, which is characteristic of bevel gears.

No specific user interaction is required with the gears themselves during operation, as they are internal components. Ensure the angle grinder is used according to its original manufacturer's instructions and safety guidelines.

4. MAINTENANCE

Regular maintenance of the gear set can extend the lifespan of your angle grinder and ensure optimal performance.

Recommended Maintenance:

- **Lubrication:** Periodically inspect the gears for adequate lubrication. Reapply high-quality gear grease suitable for power tools as needed. Lack of lubrication can lead to increased friction, heat, and premature wear.
- **Inspection for Wear:** During any disassembly for other maintenance, visually inspect the gear teeth for signs of wear, chipping, or pitting. Replace the gear set if significant wear is observed.
- **Cleaning:** Keep the gear housing free from dust, debris, and metal shavings, which can contaminate lubrication and accelerate wear.

5. TROUBLESHOOTING

If you encounter issues after installing the uxcell Spiral Bevel Gear set, consider the following:

• **Excessive Noise or Vibration:**

- Ensure gears are properly seated and aligned.
- Verify adequate lubrication.
- Check for any foreign objects within the gear housing.
- Confirm the correct gear set was installed for your specific angle grinder model (9553).

• **Gears Not Meshing:**

- Re-check shaft diameters and gear dimensions against the specifications.
- Ensure no obstructions prevent full engagement.

• **Premature Wear:**

- Verify proper lubrication type and application.
- Ensure the angle grinder is not being subjected to excessive loads beyond its design capacity.

If issues persist, professional inspection by a qualified technician may be required.

6. SPECIFICATIONS

Attribute	Detail
Product Name	Spiral Bevel Gear Set
Material	Metal
Ring Gear Size (Diameter x Max. Thickness)	47 x 15mm (1.9" x 0.6")
Fit for Ring Gear Shaft Diameter	12mm (0.47")
Pinion Gear Size (Diameter x Max. Thickness)	16.5 x 15mm (0.65" x 0.59")
Fit for Pinion Shaft Diameter	6mm (0.24")
Net Weight	89g (0.353 ounces)
Color	Black, Grey
Model Number	a12032200ux0661
Package Dimensions	5 x 2.2 x 1 inches

7. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the purchase documentation or contact uxcell directly through their official channels. As this is a replacement part, warranty coverage may be subject to the terms and conditions of the original purchase.

You can visit the official uxcell store for more information:[uxcell Store on Amazon](#).

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question