

Ferrex a381ad7b-154e-4e78-9db3-3b2a617924c7

Ferrex 40V Cordless Angle Grinder User Manual

MODEL: A381AD7B-154E-4E78-9DB3-3B2A617924C7

1. Introduction

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Ferrex 40V Cordless Angle Grinder. Please read this manual thoroughly before using the tool and keep it for future reference. This angle grinder is designed for grinding and cutting metal, stone, and other materials, and requires a compatible Activ Energy 40V battery and charger (not included).

2. Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** This is a cordless tool. Ensure the battery pack is fully charged before use. Do not expose battery-powered tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety goggles), hearing protection, and a dust mask when operating the angle grinder. Wear appropriate clothing; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Specific Angle Grinder Safety:**
 - Always use the guard provided with the tool.
 - Ensure the grinding/cutting disc is correctly installed and secured with the spindle nut.
 - Never use damaged or incorrect size discs. The maximum disc diameter is 125 mm.
 - Maintain a firm grip on the tool with both hands during operation.
 - Be aware of kickback and take precautions to avoid it.

3. Product Overview

Familiarize yourself with the components of your Ferrex 40V Cordless Angle Grinder.



Figure 1: Main view of the Ferrex 40V Cordless Angle Grinder, showcasing its compact design and ergonomic grip areas. The tool is presented without a battery.



Figure 2: The angle grinder shown with the auxiliary side handle attached, providing better control and stability during operation.



Figure 3: A detailed view of the auxiliary handle, highlighting its textured grip and the attachment mechanism to the grinder body.



Figure 4: Close-up of the blue ON/OFF slide switch located on the top of the grinder body, clearly marked for easy identification.



Figure 5: The spanner wrench provided for securely tightening and loosening the grinding or cutting disc on the spindle.



Figure 6: The angle grinder with a visual indicator for the 20/40V battery, signifying compatibility with Activ Energy battery systems.

4. Setup

Follow these steps to prepare your angle grinder for use:

1. **Install Battery:** Insert a fully charged Activ Energy 40V battery pack into the battery slot until it clicks into place. Ensure it is securely seated.
2. **Attach Auxiliary Handle:** Screw the auxiliary handle into one of the threaded holes on the gear housing. Choose the position that provides the best control for your application.
3. **Adjust Guard:** Position the protective guard to ensure maximum safety for your specific task. The guard should always be between you and the rotating disc.
4. **Install Grinding/Cutting Disc:**
 - Press the spindle lock button to prevent the spindle from rotating.
 - Place the inner flange onto the spindle.
 - Place the desired 125 mm grinding or cutting disc onto the inner flange.
 - Screw the outer flange (spindle nut) onto the spindle.
 - Use the provided spanner wrench (Figure 5) to firmly tighten the spindle nut. Release the spindle lock.

5. Operating Instructions

Before operating, ensure all safety precautions are followed and the tool is correctly set up.

1. **Grip the Tool:** Hold the angle grinder firmly with both hands, one on the main handle and one on the auxiliary handle.
2. **Starting the Tool:** Slide the ON/OFF switch (Figure 4) to the 'ON' position. The disc will immediately begin to rotate at a no-load speed of 8500 rpm.
3. **Grinding/Cutting:** Allow the disc to reach full speed before making contact with the workpiece. Apply light, even pressure. Do not force the tool. For grinding, use an angle of approximately 15-30 degrees to the workpiece. For cutting, hold the tool perpendicular to the workpiece.
4. **Stopping the Tool:** Slide the ON/OFF switch to the 'OFF' position. Wait for the disc to come to a complete stop before setting the tool down.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your angle grinder.

- **Cleaning:** After each use, clean the tool with a soft cloth. Use compressed air to clear dust from ventilation openings. Do not use water or chemical cleaners.
- **Disc Inspection and Replacement:** Regularly inspect grinding and cutting discs for wear, cracks, or damage. Replace worn or damaged discs immediately. Always use discs with a 125 mm diameter and M14 spindle thread.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries using only the recommended Activ Energy charger.
- **General Inspection:** Check all screws and fasteners periodically to ensure they are tight. Inspect the power cord (if applicable to charger) and housing for any damage.

7. Troubleshooting

If you encounter issues with your Ferrex 40V Cordless Angle Grinder, refer to the following common problems and solutions:

- **Tool does not start:**

- Ensure the battery pack is fully charged and correctly inserted.
- Check the ON/OFF switch for proper engagement.
- **Reduced performance or excessive vibration:**
 - Inspect the grinding/cutting disc for wear, damage, or improper installation. Replace if necessary.
 - Ensure the auxiliary handle is securely tightened.
- **Overheating:**
 - Allow the tool to cool down.
 - Ensure ventilation slots are clear of dust and debris.
 - Avoid applying excessive pressure during operation.







If problems persist, contact qualified service personnel.

8. Specifications

Feature	Specification
Brand	Ferrex
Model Number	a381ad7b-154e-4e78-9db3-3b2a617924c7
Power Source	Battery powered
Voltage	40 Volts
No-load Speed	8,500 rpm
Disc Diameter	125 mm
Spindle Thread	M14
Material	Metal
Color	Silver, grey, black
Batteries Included	No (Requires Activ Energy battery)
Approx. Package Dimensions	32.2 x 23 x 12.2 cm
Approx. Weight	2.23 kg (packaged)

9. Warranty and Support

Specific warranty information for the Ferrex 40V Cordless Angle Grinder is not provided in this manual. Please refer to the product packaging, purchase documentation, or the manufacturer's official website for details regarding warranty coverage and customer support. For technical assistance or spare parts, contact your retailer or the Ferrex customer service department.

	<p>FERREX 20V Li-ion Mini Grinder User Manual Safety, Operation & Specifications</p> <p>Official user manual for the FERREX 20V Li-ion Mini Grinder (Model CGA18MF.9). Covers safety guidelines, operating procedures, assembly, maintenance, troubleshooting, and technical specifications. Includes warranty information and environmental considerations.</p>
	<p>Ferrex Pro 20V Li-Ion Cordless Impact Driver Brushless User Manual</p> <p>User manual for the Ferrex Pro 20V Li-Ion Cordless Impact Driver Brushless. This guide provides instructions on safe operation, maintenance, and troubleshooting for the impact driver.</p>
	<p>FERREX 20V Li-Ion Cordless Blower Skin User Manual</p> <p>Comprehensive user manual for the FERREX 20V Li-Ion Cordless Blower Skin (Model 709610). Provides essential safety instructions, operating procedures, maintenance guidelines, warranty information, and technical specifications for optimal use.</p>
	<p>FERREX 20 V Li-Ion Cordless Impact Driver User Manual</p> <p>Comprehensive user manual for the FERREX 20 V Li-Ion Cordless Impact Driver (Model IS08). Includes safety instructions, operating controls, maintenance, troubleshooting, and technical data.</p>
	<p>FERREX 12V Cordless Impact Drill F-CCD12 User Manual</p> <p>Comprehensive user manual for the FERREX 12V Cordless Impact Drill (Model F-CCD12), covering safety instructions, operation, technical specifications, maintenance, and warranty details provided by ALDI.</p>
	<p>Ferrex FS-AFS 40 Akkumulátoros Bozótívágó Használati Útmutató</p> <p>Részletes használati útmutató a Ferrex FS-AFS 40 akkumulátoros bozótívágóhoz. Tartalmazza a biztonsági előírásokat, összeszerelési útmutatót, üzemeltetési és karbantartási információkat, valamint műszaki adatokat.</p>