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Hilti TE 60-A36 Cordless Rotary Hammer

Instruction Manual

Model: TE 60-A36 | Brand: HILTI

1. IMPORTANT SAFETY INFORMATION

Always read and understand 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.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and dust mask.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Rotary Hammer Specific Safety Warnings

- **Wear ear protectors** when hammer drilling. Exposure to noise can cause hearing loss.
- **Use auxiliary handles** supplied with the tool. Loss of control can result in personal injury.
- **Hold power tool by insulated gripping surfaces** when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- **Always ensure good ventilation** when working in enclosed spaces.
- **Dust from materials** such as lead-containing coatings, some wood species, minerals, and metal can be harmful. Ensure proper dust extraction and wear a suitable dust mask.

Battery and Charger Safety

- Use only Hilti B 36 series batteries and Hilti C 4/36-350 chargers.

- Do not open, crush, heat above 100°C (212°F), or incinerate battery packs.
- Protect batteries from moisture and water.
- Do not short-circuit battery terminals.

2. PRODUCT OVERVIEW

The Hilti TE 60-A36 is a high-performance cordless SDS Max combihammer designed for heavy-duty drilling and chiseling in concrete, masonry, and stone. It features Active Vibration Reduction (AVR) for reduced operator fatigue and Active Torque Control (ATC) for enhanced safety by preventing uncontrolled spinning if the drill bit jams.

Kit Contents

The Hilti TE 60-A36 kit typically includes the following components:

- Hilti TE 60-A36 Cordless Rotary Hammer
- Two (2) Hilti B 36 9.0 Ah Lithium-Ion Batteries
- Hilti C 4/36-350 Battery Charger
- Hilti Tool Case
- Operating Instructions



Image: Complete Hilti TE 60-A36 Cordless Rotary Hammer kit, including the tool, batteries, charger, and case.



Image: Close-up view of the Hilti TE 60-A36 Cordless Rotary Hammer tool itself, showing the main body and handle.

3. SPECIFICATIONS

Detailed technical specifications for the Hilti TE 60-A36 Cordless Rotary Hammer.

Feature	Specification
Model	TE 60-A36
Part Number	3607728
Power Source	Battery Powered
Voltage	36 Volts
Amperage	9 Amps (Battery)
Battery Capacity	9.0 Ah (Amp Hours)
Drill Type	Hammer Drill / Combihammer
Chuck Type	SDS-Max
Weight	Approx. 46.3 pounds (Tool with battery)
Dimensions (Package)	32.5 x 24.6 x 12.7 inches
Included Components	Tool, 2 x 9.0 Ah Batteries, Charger
Features	Active Vibration Reduction (AVR), Active Torque Control (ATC)

4. SETUP

4.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the tool and all accessories for any signs of damage during transit. Do not operate damaged tools.
3. Verify that all listed components are present.

4.2 Battery Charging

Ensure batteries are fully charged before first use to maximize performance and lifespan.

1. Connect the Hilti C 4/36-350 charger to a suitable power outlet.
2. Insert the Hilti B 36 9.0 Ah battery into the charger. Ensure it clicks securely into place.
3. The charger's indicator light will show the charging status. Refer to the charger's manual for specific light patterns.
4. Once fully charged, remove the battery from the charger.



Image: Hilti C 4/36-350 battery charger, used for charging the 36V Li-ion batteries.



Image: Hilti B 36 9.0 Ah Lithium-Ion battery pack, showing the battery level indicator.

4.3 Battery Insertion and Removal

- **Insertion:** Align the battery with the receptacle on the tool's base. Slide the battery into place until it clicks securely.
- **Removal:** Press the battery release buttons on the sides of the battery pack and slide the battery out of the tool.

4.4 Accessory (Drill Bit/Chisel) Insertion and Removal

The TE 60-A36 uses SDS-Max shank accessories.

1. **Insertion:** Clean the shank of the drill bit or chisel. Apply a thin layer of Hilti grease to the shank. Pull back the chuck collar, insert the accessory into the chuck until it stops, then release the collar. Pull on the accessory to ensure it is locked.
2. **Removal:** Pull back the chuck collar firmly and pull the accessory out of the chuck.



Image: An SDS-Max drill bit, showing the characteristic flutes and shank design.



Image: An SDS-Max chisel, used for breaking and chipping concrete or masonry.

5. OPERATING INSTRUCTIONS

5.1 Selecting Operating Mode

The TE 60-A36 offers multiple operating modes, selected via the mode selector switch:

- **Hammer Drilling:** For drilling in concrete, masonry, and natural stone with percussion.
- **Chiseling:** For light to medium chiseling work in concrete and masonry.
- **Rotary Drilling (without hammer action):** For drilling in wood, metal, and plastics (requires appropriate drill bits and adapter).

5.2 Proper Grip and Posture

- Always hold the tool firmly with both hands using the main handle and the auxiliary side handle.
- Maintain a stable and balanced stance.
- Do not overreach.

5.3 Drilling Techniques

1. Select the appropriate drill bit for the material and desired hole size.
2. Set the mode selector to 'Hammer Drilling' for concrete/masonry or 'Rotary Drilling' for other materials.
3. Position the drill bit at the desired drilling point.
4. Start the tool by pressing the trigger switch. Apply steady, moderate pressure. Do not force the tool.
5. Allow the tool's hammering action to do the work.
6. When finished, release the trigger switch and withdraw the drill bit from the hole.

5.4 Chiseling Techniques

1. Insert the appropriate chisel into the chuck.
2. Set the mode selector to 'Chiseling'.
3. Position the chisel at the desired starting point.
4. Press the trigger switch to begin chiseling. Guide the tool along the desired line or area.
5. Maintain a firm grip and control the tool's movement.

5.5 Active Vibration Reduction (AVR) and Active Torque Control (ATC)

- **AVR:** The Active Vibration Reduction system significantly reduces tool vibration, enhancing user comfort and allowing for longer operating times.
- **ATC:** Active Torque Control is a safety feature that automatically shuts down the motor if the drill bit jams and the tool begins to rotate uncontrollably. This helps prevent injury to the operator. If ATC activates, release the trigger, clear the jam, and restart the tool.

6. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Hilti TE 60-A36.

6.1 Cleaning the Tool

- After each use, clean the tool, especially the ventilation slots, with a dry cloth or brush.
- Do not use water or liquid cleaning agents.

- Keep the chuck free of dust and debris.

6.2 Battery Care and Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50-70% capacity.
- Do not store batteries with metal objects that could short-circuit the terminals.

6.3 General Inspection

- Regularly check all external parts for damage, cracks, or wear.
- Ensure all screws and fasteners are tight.
- If any damage is found, do not operate the tool. Contact Hilti service for repair.

6.4 Storage

Store the tool, batteries, and charger in the provided Hilti tool case in a secure, dry place, out of reach of children.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Hilti TE 60-A36.

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly Battery discharged Tool or battery too hot/cold	Re-insert battery firmly Charge battery Allow tool/battery to reach operating temperature
Reduced performance / Weak hammering	Worn accessory Incorrect mode selected Tool requires service	Replace drill bit/chisel Ensure mode is set to 'Hammer Drilling' or 'Chiseling' Contact Hilti service
Tool stops suddenly (ATC activation)	Drill bit jammed in material Overload protection activated	Release trigger, remove tool from material, clear jam, restart Reduce pressure, allow tool to cool if necessary
Battery not charging	Charger not plugged in Battery or charger too hot/cold Damaged battery/charger	Check power connection Allow battery/charger to reach room temperature Contact Hilti service

If the problem persists after attempting these solutions, please contact Hilti customer support.

8. WARRANTY AND SUPPORT

Hilti products are designed for professional use and are backed by comprehensive warranty and support services.

8.1 Hilti Warranty

Hilti offers a robust warranty program for its tools, which typically includes a period of no-cost repair or replacement for manufacturing defects, followed by a longer period of capped repair costs. Specific warranty terms and conditions may vary by region and product. Please refer to the official Hilti website or your purchase documentation for detailed warranty information applicable to your TE 60-A36.

8.2 Customer Support

For technical assistance, service, or spare parts, please contact Hilti customer support:

- **Online:** Visit the official Hilti website (www.hilti.com) and navigate to the 'Support' or 'Contact Us' section.
- **Phone:** Locate the customer service phone number for your region on the Hilti website.
- **Hilti Store:** Visit your nearest authorized Hilti Store or Service Center.

When contacting support, please have your tool's model number (TE 60-A36) and serial number (found on the tool's nameplate) ready.