Compound Miter Saw (Makita LS1221)

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> MakitaMiterSawUsersGuide.pdf

1. General Info

Purpose:
Designed for precise crosscuts, miter cuts, bevel cuts, and compound cuts in wood and compatible materials. Ideal for framing, molding, and trim work, allowing angled cuts in two planes for complex joinery.

Makita Compound Miter Saw User Manual

Key Components:

- Blade Guard – Protects user; lifts automatically.
- Handle – Controls cutting; includes power switch.
- Stopper Pin – Locks handle for transport/storage.
- Turn Base – Rotates for miter cuts; angle markings.
- Sub-Fence – Adjustable for bevel support.
- Vertical Vise – Secures workpieces vertically.
- Kerf Board – Reduces tear-out.
- Blade – 305 mm (12") diameter.
- 1" Arbor
- Motor Housing – Contains motor and brake.
- Base Mounting Holes – For bench attachment.

2. Safety

Quick Safety Precautions

- Wear Eye Protection – Safety glasses required; dust mask recommended.
- Keep Hands Clear – Never reach near or over a moving blade.
- Secure Workpiece – Use vise/clamp for pieces under 6".
- Avoid Loose Clothing – Tie back hair; remove jewelry.
- Check Blade Guard – Ensure free movement and coverage.
- Disconnect Power for Maintenance – Always unplug before servicing.
- Never Leave Running Saw Unattended – Wait for full stop before walking away.

3. Setup & Use

Preparation

- Inspect tool for damage or wear.
- Clear and light work area.
- Check blade condition and installation.
- Wear proper PPE: glasses, hearing protection, dust mask.
- Remove tools/wrenches from saw area.
- Keep hands at least 6" from blade.
- Secure material- use vice/clamp for pieces under 6".
- Lock fence and miter/bevel angles.
- Avoid loose clothing and jewelry
- Verify blade guard movement.
- Ensure the workpiece is completely clear of the blade before activating the saw.
- Test power switch functionality.

Operation

- Stand to one side of the blade.
- Press the safety trigger and power trigger simultaneously to start the blade.
- Let the blade reach full speed.
- Lower the blade into the material. Cut slowly and steadily—don’t force it.
- Never reach under the blade while blade is activated.
- Wait for the blade to fully stop before raising the blade and removing material.

Post-Operation

- Clean work area of sawdust/debris.
- Inspect for damage or wear.
- Lock saw in down position.

4. Maintenance Schedule

Weekly

- Clean sawdust from motor vents and moving parts.
- Check blade for dullness, chips, or warping.
- Inspect power cord for wear or damage.
- Test blade guard movement and spring tension.

Monthly

- Lubricate pivot points and moving mechanisms.
- Check alignment of miter and bevel angles.
- Inspect kerf board and replace if worn.
- Tighten all bolts and fasteners.

Quarterly

- Deep clean motor housing and fence system.
- Inspect electric brake function.
- Replace blade if performance is reduced.
- Review user manual for any model-specific updates.