Van Mark
The Mark of Quality
Technical Support 1-800-826-6275
www.van-mark.com

Tool Rental Inspection Guide

Aluminum Bending Brakes
Mark I, Mark II TrimMaster, Metal Master Series

Follow the directions below to ensure tool is in good working order and properly maintained.	
SAFETY	**Always use appropriate protective clothing, gloves, and safety glasses before you start to inspect the tools.**

Tool Inspection Process:

Step	Action
Safety First	**Use appropriate protective clothing, gloves, and safety glasses before you begin inspecting the tools.**
1	Check for missing or loose screws, nuts, bending and locking handles.
2	Check bending hinge vinyl strip (red or green) for cracks, missing sections, embedded metal shavings, etc. If any of these conditions exist, vinyl is worn, replace vinyl.
3	After each rental, clean bottom of F-bar (red or green aluminum bar) and top of rear hinge. This is where material is held for bending; cleaning operation takes only a few seconds, simply wipe with a wet cloth and dry.
4	Check UniStand™ USA1 or USA1EZ for parts potentially not returned by the customer; T-knobs, latch plates, cross-members, etc.
5	Check TrimCutter™ for missing or damaged roller bearings (4 each) and cutting knives (2 each). We recommend renting our TrimCutter™ PN 3017. This tool prevents potential damage to brake caused by customer cutting materials with utility knife. TrimCutter™ requires minimum maintenance and will produce factory quality cuts on siding material.
***Perform Steps 6 & 7 if necessary** (IE: If brake needs any minor adjustments)	
*6	**Adjustment check:** Cut scrap siding or aluminum coil stock into 2" square test pieces. All test pieces must be of the same thickness, one piece is required for each casting. Unlock brake by pulling lock handle toward operator. Insert one inch of the test piece into the brake at each casting and lock brake. NOTE: brake is properly locked when flat surface of locking cam is at rest against slope of nylon wedge located on top of pivot arm. Try to pull out each test piece straight out and determine through feel whether each piece is held with equal pressure. If you can pull a test piece out, that casting requires adjustment (see next step).
*7	**Casting Adjustment:** Unlock brake, loosen screw that secures wedge to pivot arm and slide wedge towards back of brake1/8". Retighten screw and retest. If wedges are worn and adjustments cannot be obtained, replace all wedges with replacement wedge kit or Tune-Up kit. If brake is properly adjusted and material continues to slip, material is beyond the brake capacity.
The tool is now ready to be returned to your fleet for rental.	

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Rental Operation and Safety Guide

Portable Bending Brake

Mark I, Mark II TrimMaster® And Metal Master Series

Technical Support: 800-826-6275

SAFETY:

Read and understand this "Operations and Safety Guide" before using brake. Failure to follow operating instructions could result in brake damage or injury.

SAFETY CHECKLIST:

- Always use appropriate protective clothing, gloves, and/or safety glasses.
- During operation, keep fingers, hands, clothing, jewelry, etc., clear of clamping and bending surfaces. This should also apply to assistants and other installers.
- To avoid dropping brake, use two people to lift and carry brake. Dedicated carrying handles are built into each end of brake.
- Never bend metals not rated for the brake. To do so may damage the brake resulting in costly repairs.
- Do not use a utility knife for slitting on the brake. To improve performance use TrimCutter™ #3017 cutting tool.

Tool Uses: Brake bends aluminum coil, light galvanized steel, copper, zinc, and other metals on the job site.

Transporting: Lay brake on solid surface. Keep in open unlocked position or lock with cardboard type cushioning material between clamping surfaces.

Tool Operation:

Step	Action
1	Brake should be setup on a solid, level surface using vendor approved supports. The USA1 EZ or USA1 UniStand™ is recommended for maximum support and maneuverability.
2	Mark both ends of material to be bent (use pencil, punch, snips, etc).
3	Insert material into brake to appropriate marks. Lock material in brake before bending. Brake is properly locked when flat surface of locking cam is at rest against slope of nylon wedge located on top of pivot arm casting.
4	Bend to desired angle in one continuous, smooth motion. If needed, make practice bends with scrap materials.
5	During bend, hold bending handle equal distance from ends and raise in a smooth, continuous motion.
6	Hemming: Bend the edge to be hemmed to the maximum. Remove material and unlock brake. Lay the material against the upper jaw with the bent edge resting on the hinges between the vinyl protection strip and the stainless-steel edge. Lift the handle on the bending hinge to flatten material against the upper jaw. Go online for the residential and commercial shapes: Bending Guide PDF