

Laser Alignment Kit

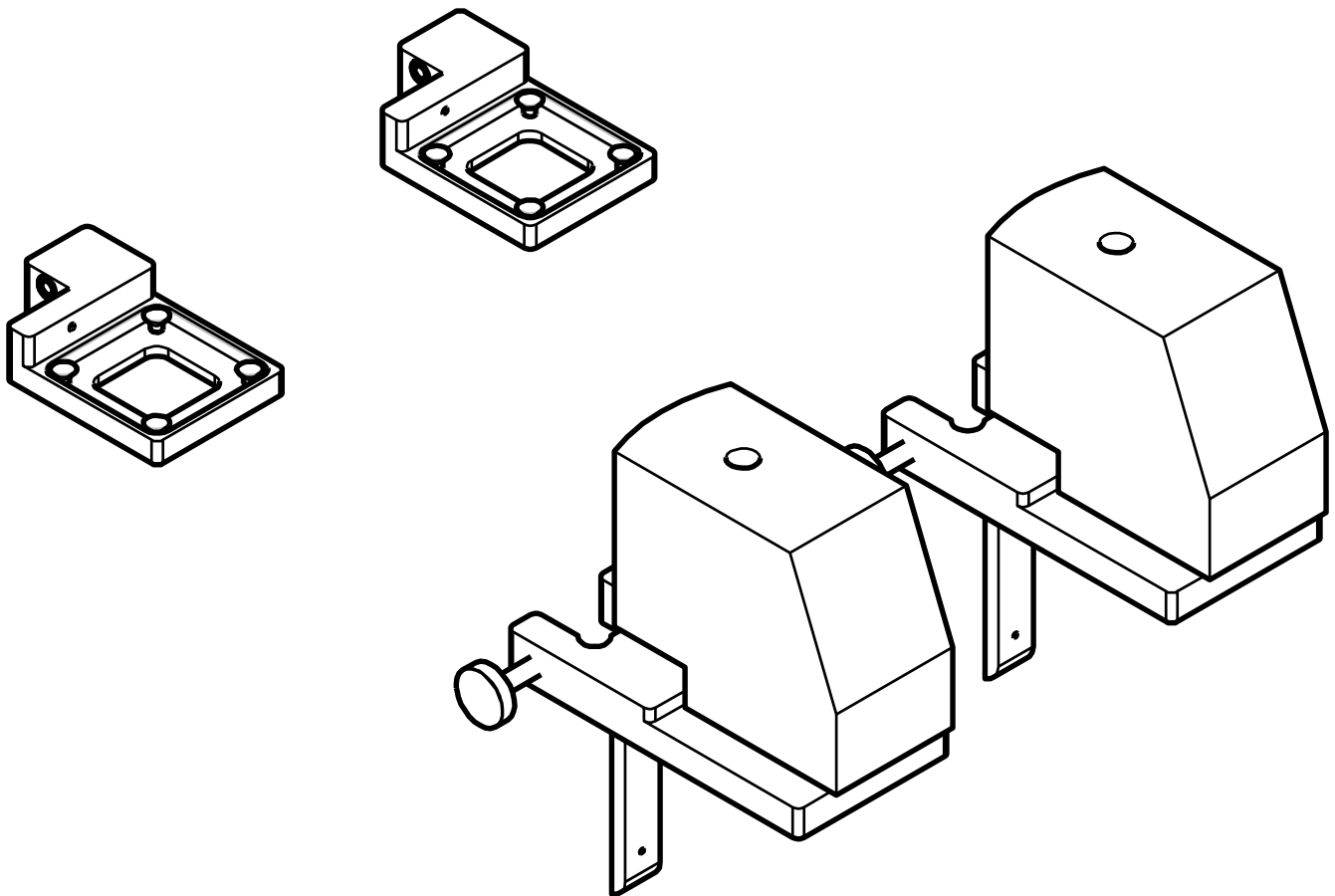


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GENERAL WARNINGS

NOTICE

ABOUT THIS MANUAL

- The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation of this equipment and is not intended as a substitute for proper training and experience.
- This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.
- Note: In the interest of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

GENERAL REQUIREMENTS

- Laser Rail Alignment Kit cannot be used with rail widths greater than 1-1/4".
- Klein Laser only accurate up to 65'.
- Only for use in low rise applications.



WARNING

- Do not use this tool before reading and understanding these instructions and the instructions included with the Klein Laser.
- Exposing eyes to laser radiation can result in severe and permanent eye injuries. NEVER look directly into the laser beam emitted by the Klein Laser.
- Do not use the instrument if it appears to be damaged.
- Do not modify the laser in any way, as to do so could result in emission of hazardous laser radiation that could result in severe eye injuries.
- Laser should be powered off following use to minimize the risks of inadvertent exposure to hazardous laser radiation that could result in serious eye injury.
- Do not remove warning labels from this instrument as this could result in serious personal injury and increases the risk of exposure to hazardous laser radiation.
- In case of damaged or missing warning labels, immediately contact Wurtec for replacements.
- The instrument should be securely located in a tidy work environment prior to operation as the unexposed drops or movement of instrument may result in damage to the instrument and increases the risk of inadvertent exposure to laser radiation that could result in severe eye injuries.
- The Laser is IP54 dust & water resistant. Following any contact with water, thoroughly dry the laser with a dry, lint-free cloth.
- The laser contains no user serviceable parts.

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EQUIPMENT DESCRIPTION AND INTENDED USE

The Laser Alignment Kit is used to align rails in low rise applications. Unintended uses include, but are not limited to:

- DO NOT use above the specified range
- DO NOT use with other Laser Alignment Tools

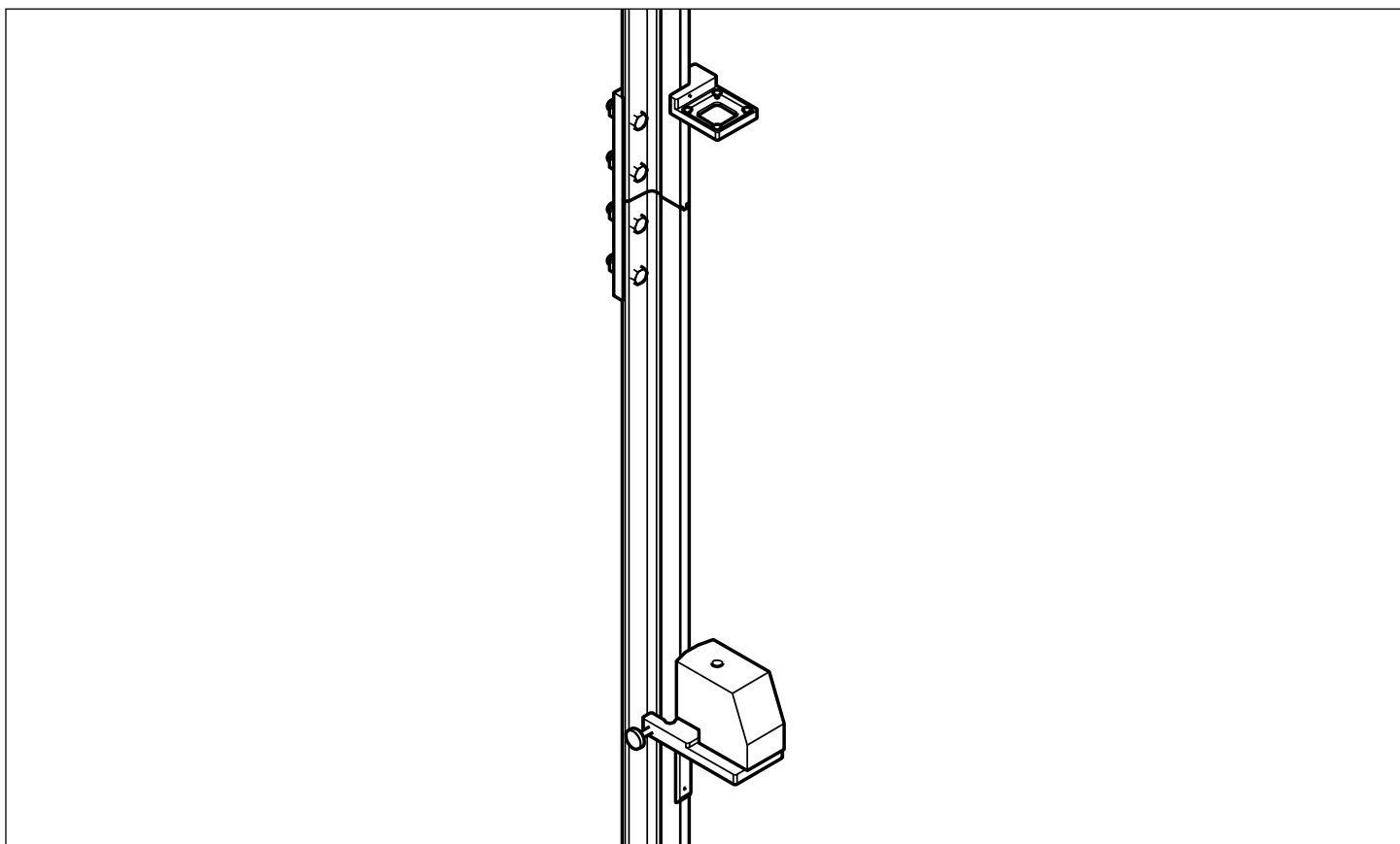


Image 01 Laser Alignment Kit shown on rail

SPECIFICATIONS

Part No.	Description	Weight (lbs—kg)	Range (ft—m)
10-10051059	Universal Laser Target Gauge	0.48 — 0.22	N/A
10-10051211	Laser Mounting Bracket	1.45 — 0.66	N/A
10051218	Klein Laser	1.60 — 0.72	65 ft — 19.8 m

PERSONAL PROTECTIVE EQUIPMENT

The following PPE are recommended when using the V2 Crosshead Mounting Kit:

- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Boots with steel toe and sole
- Fall Protection equipment

INSTALLATION / ASSEMBLY TOOLS REQUIRED

The following tool is required to use the Laser Rail Alignment Kit:

- M4 Allen Wrench

MAINTENANCE

- Before each use, use a clean lint cloth to clean laser to reduce inconsistencies in laser projection.

SECTION A: ASSEMBLY

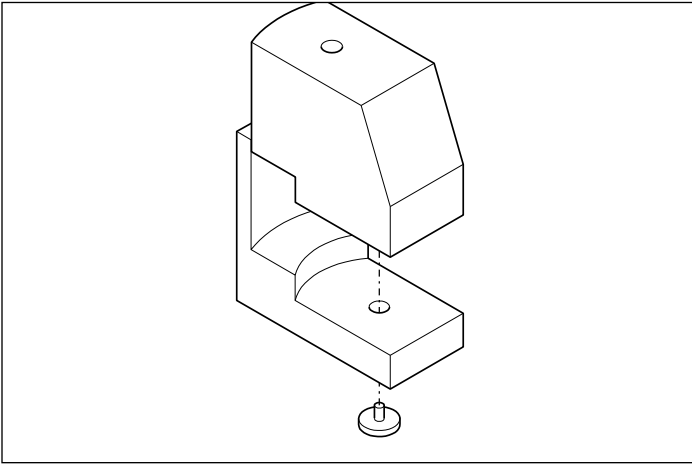


Image 02. Klein Laser Bracket Removal

Disassemble Klein Laser from Bracket

- The Laser Kit includes Klein Laser attached to a manufacturer bracket. This allows for variable use of the laser outside of the rail alignment application.
- Before use for rail alignment, disassemble from manufacturer bracket by removing the thumb screw on the bottom.

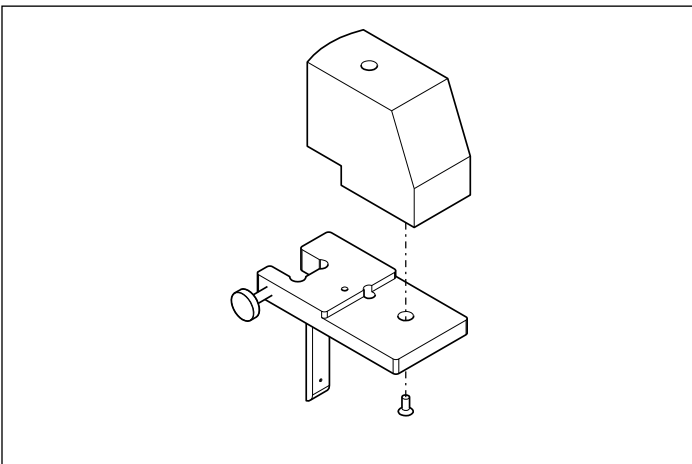


Image 03. Klein Laser attaching to Laser Mounting Bracket

Attach Klein Laser to Laser Mounting Bracket

- Using a M4 Allen wrench with counter sunk flat head screw, secure Klein Laser to Laser Mounting Bracket.

SECTION B: RAIL INSTALLATION

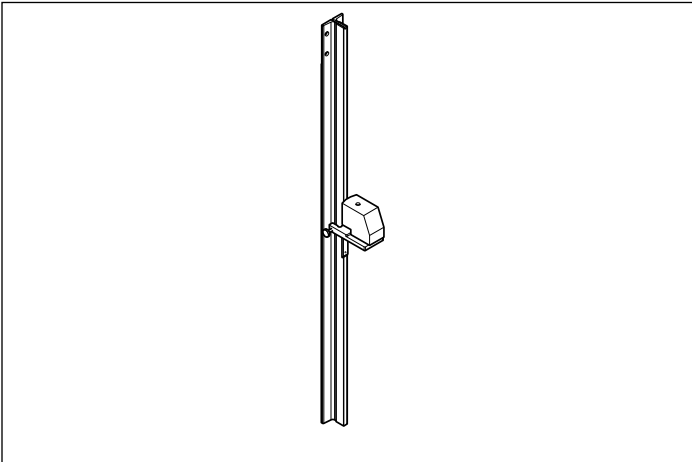


Image 04. Laser Mounting Bracket on Rail

Secure Laser Mounting Bracket to Bottom Rails

- After King and Queen Rails are set, secure the Laser Mounting Bracket by turning the thumb screw until tight.
- Ensure Laser is mounted to Laser Mounting Bracket and that it is not at an angle .

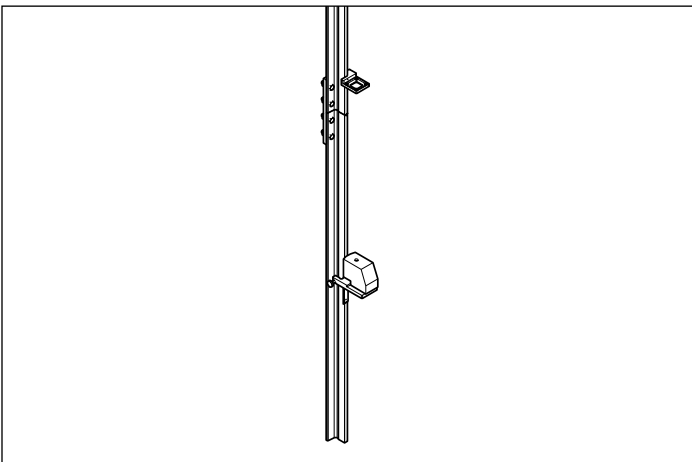


Image 05. Laser Alignment Kit in use

Use Universal Laser Gauge to Locate Next Rail

- Place Universal Laser Gauge on the next rail
- Shim and adjust the rail as needed to locate the rail properly.
- Laser is only accurate up to 65', after which it will be necessary to relocate the Laser and Mounting Bracket to a higher rail.

BILL OF MATERIAL - EXPLODED VIEW

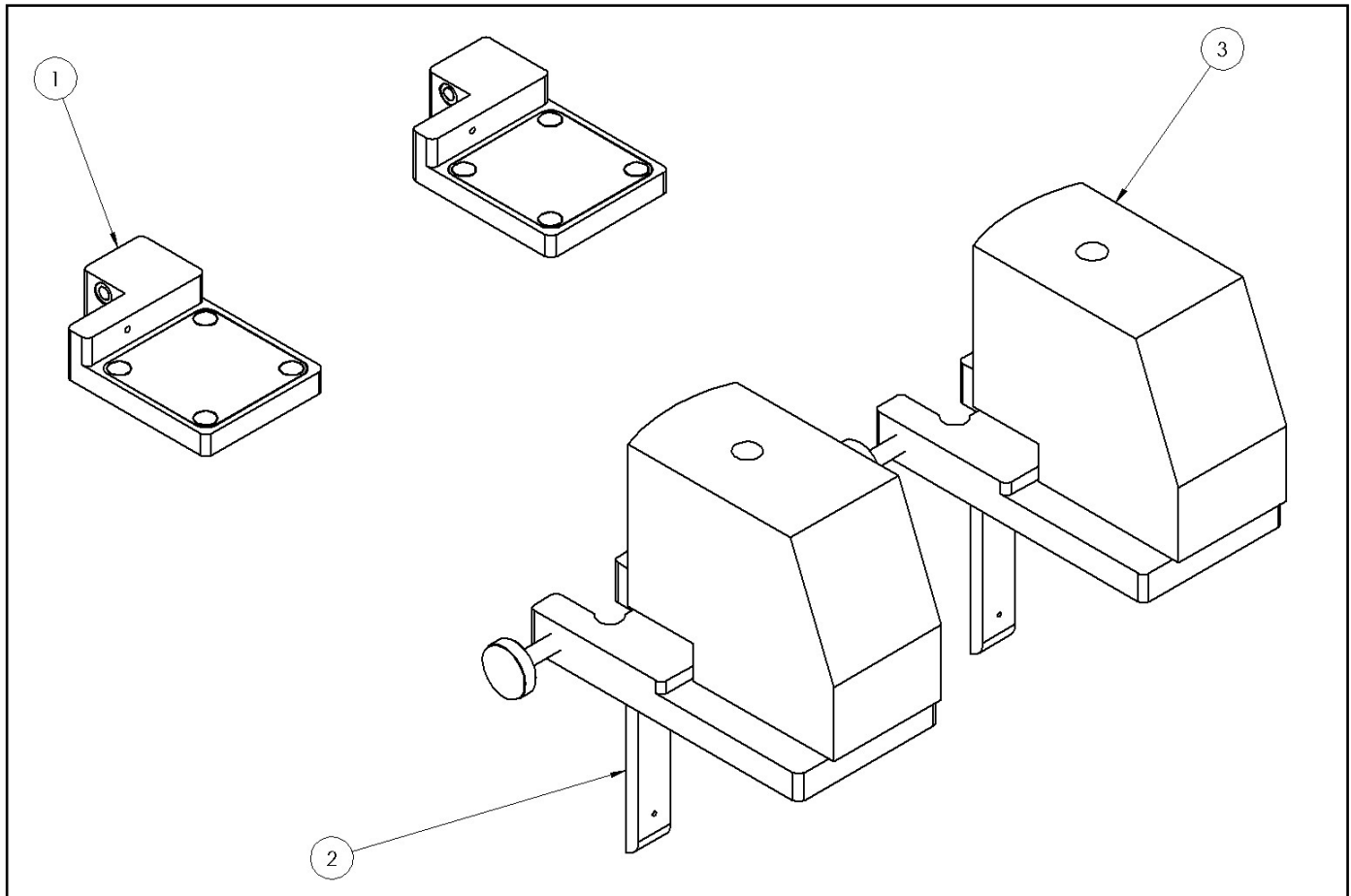


Image 06. Bill of Material

BILL OF MATERIALS - SPARE / WEAR

ITEM	QTY.	PartNo	Description	SPARE/WEAR
1	2	10-10051059	UNI. LASER TARGET GAUGE	N/A
2	2	10-10051211	LASER MOUNTING BRACKET	N/A
3	2	10051218	KLEIN LASER	N/A
4	1	10-114-CASE	CASE, LASER ALIGNMENT KIT, BLACK W/ FOAM AND PRINTED WITH WURTEC LOGO *NOT PICTURED*	N/A