



Laser Leveling System

#72976

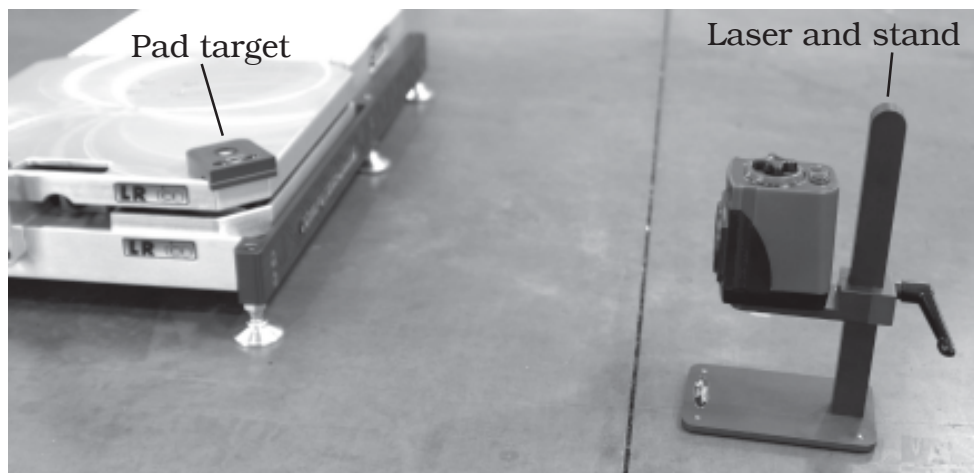
Overview:

This system will help you accurately level your scale pads or roll-offs - **AND** - once the car is on it will give you an accurate "Ground Plane". You can use the Laser to measure frame ride height plus ground clearance of exhaust, bellhousing, oil pan, etc., even spoilers. Setting up your wheel weights can change ride height. But you only discover this after the car is back on the ground! The Laser beam is a fine line rather than a dot and is self-leveling to improve accuracy and save you time.



Step 1: Set up the scale pads or roll-offs using your car's wheelbase and track width so that the pads will be centered on the tires.

Step 2: Place the Laser and height adjusting stand next to the pads approximately as shown above. The laser is self-leveling but the stand should be leveled also for best accuracy. Use adjustable screws on the bottom.



WARNING: Do not point laser in eyes. Serious eye damage could result. SEE WARNING LABEL ON LASER.

Step 3: Place the pad target on the edge of one scale pad. On the back of the laser move the slide switch to UNLOCK and push the button on the top marked H. The Laser beam will rock slightly from side to side, then settle at precise level. Point the laser at the pad with the target. Loosen the stand adjustment lever, and raise or lower the Laser until the Laser beam shows on the target. Lock the lever down.

Step 4: Raise or lower that scale pad until the Laser beam is exactly on the silver line on the target. This line is dead even with the top of the scale pad. Use the bubble on the pad target to also keep the pad itself level.

Step 5: Move the pad target to the next scale pad and repeat the procedure. **DO NOT MOVE THE LASER STAND.** It must stay in the same place to maintain the height. Repeat for all pads.

Step 6: Now you have all 4 scale pads at the same height and each one is level. Mark the floor so you can return the pads or roll-offs to the exact same spot. You can use paint, chalk, duct tape, etc. (Tip: if you will be regularly using the same spot in your shop mark the floor with durable paint.). If you need to temporarily move the Laser stand mark its location also.

Step 7: Move the scale pads to the side, push the car into place so the wheels line up with where the scale pads were. Lift the car, one side at a time, and slide the pads under the wheels until they are in the same place as marked on the floor. Your car is now on accurately leveled scale pads for consistent setups.

Step 8 - Using the Laser to check ride heights: The Laser will shoot a wide beam under the car at the same level as the top of the pads (ground plane), simulating the ground. To check heights use a tape measure under the car and note where the Laser beam hits the tape. This is what the ride height will be when the car is back on the ground. If needed rotate the Laser on the stand (DON'T move the stand) to aim at the area you want to measure. Remember; the Laser stand **MUST** be in the same place as when you leveled the scale pads.

Frame height gauges included can be used to quickly check ride heights.

They have magnets to hold to the underside of your frame where you would normally measure ride height. They are calibrated to read actual ride height in inches.

IMPORTANT NOTES:

This Laser works best inside. Bright sunlight may interfere with Laser beam visibility. On a bright day it may be necessary to shade the target to clearly see the Laser beam.

Slide the lockout switch on the back to UNLOCK. This will let the Laser accurately self level. When you are done switch to **LOCK** for storage. This is important as the self-leveling mechanism can be damaged in handling if not locked down. Laser beam goes off when in **LOCK**.

Battery compartment on back of laser. Use 3) AAA alkaline batteries

Self-leveling lockdown slide on back of laser.. Slide to **UNLOCK** to use. Move to **LOCK** when not in use..

Laser height adjustment clamp

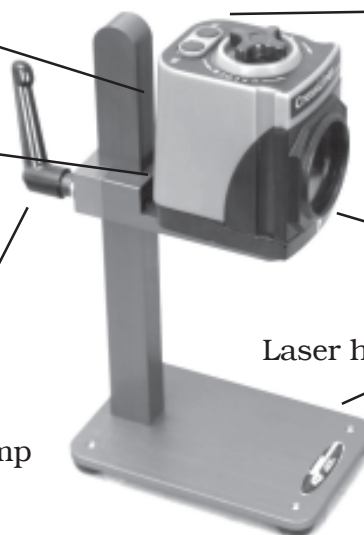
On/Off switches

H for horizontal,
V for vertical

Must move lockdown slide on back to **UNLOCK**

Laser beam

Laser height adjustment stand





Laser Leveling System

IMPORTANT NOTES:

Laser has maximum self-leveling range of 5°. Anything beyond that and the laser shuts down. Be sure stand is close to level.

ALWAYS clamp self-leveling part down when not in use. See main instructions. Not doing so can damage mechanism in handling.