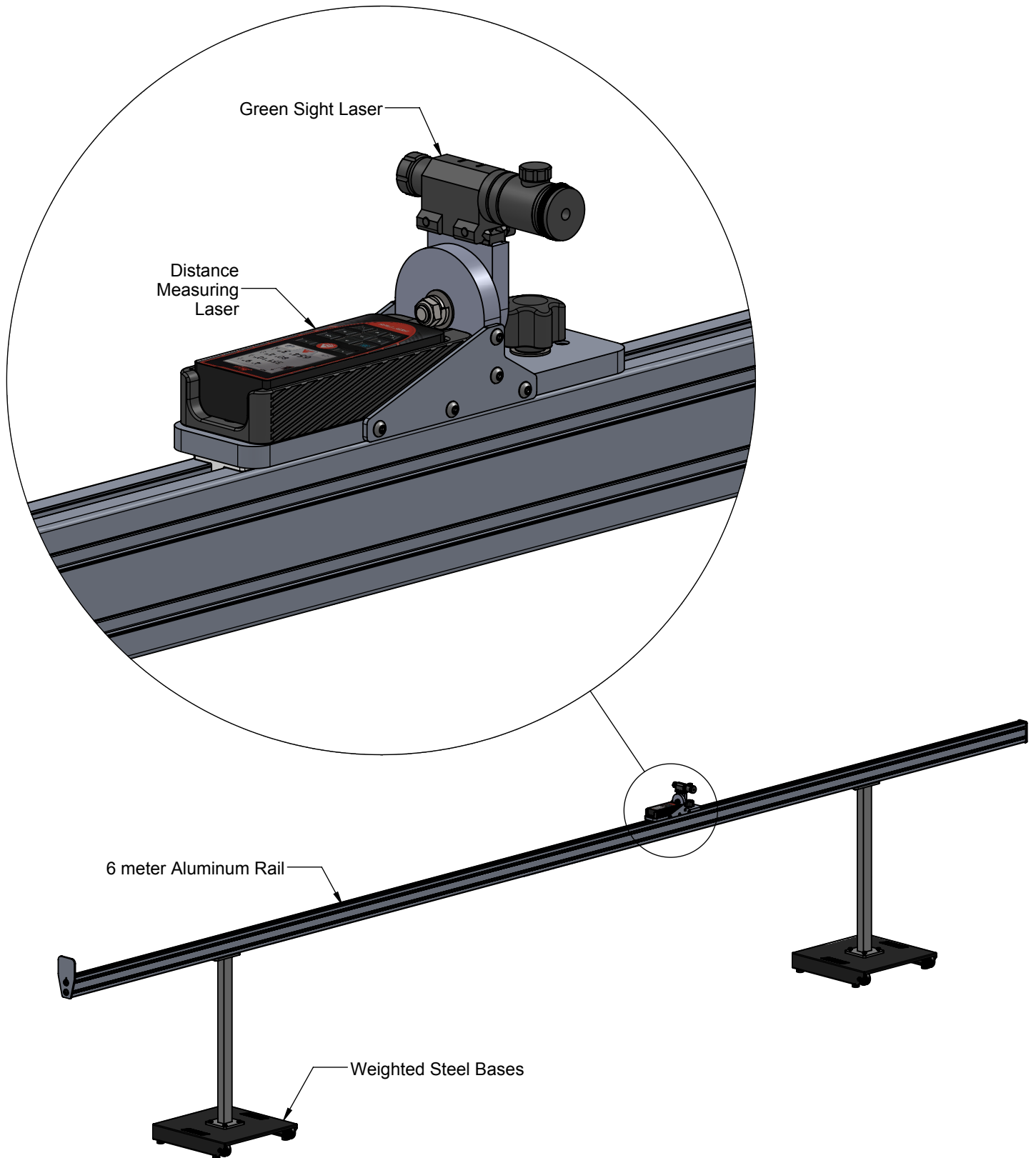




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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS



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⚠ WARNING: This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

7/2/2019
INSTE73740
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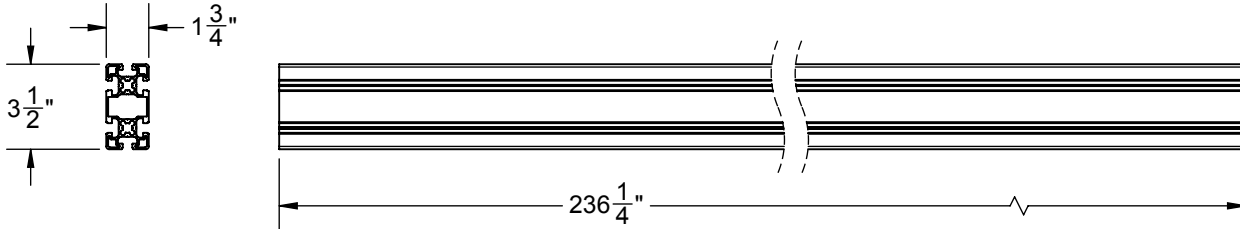
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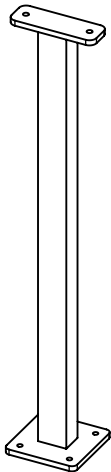
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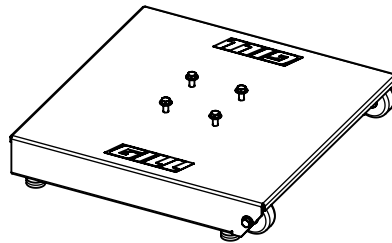
E737402 - Rail (1)



E73740101 - Leg (2)



700205 - Weighted Base (2)



E73740401 - Target End Plate (1)



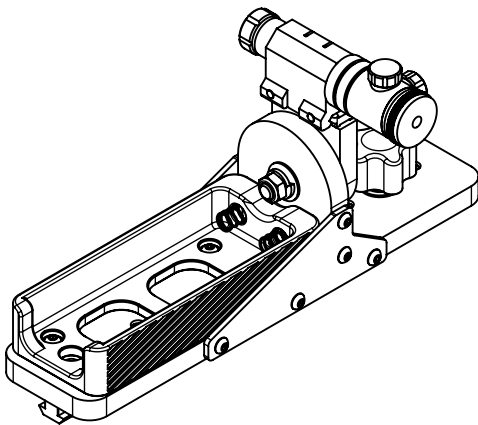
E73740402 - End Plate (1)



E73710 - Measuring Laser (1)



E737403 - Laser Carriage (1)

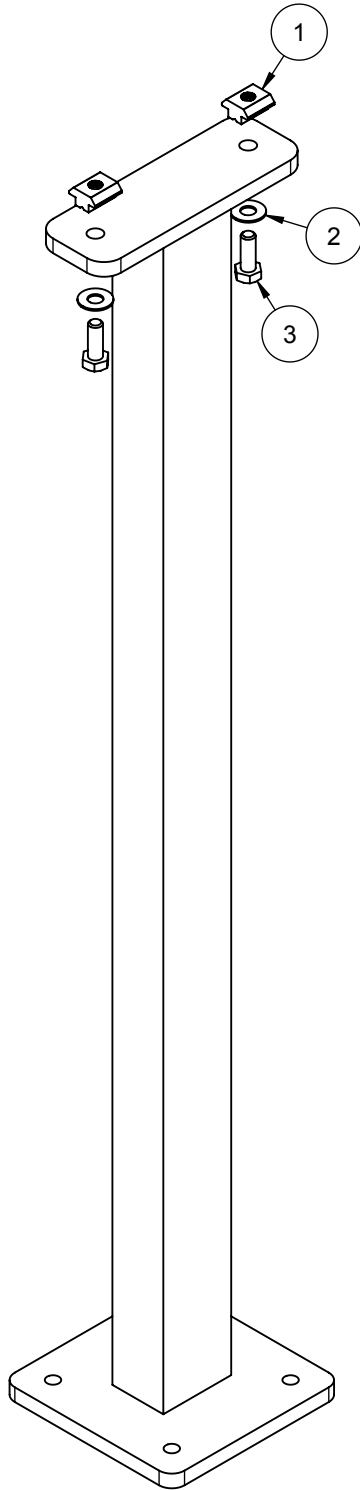


| | PART # | DESCRIPTION | QTY. |
|---|--------------|--|------|
| 1 | HDWE050050E0 | 1/2" Flatwasher | 4 |
| 2 | HDWE061090E0 | BUTTON HEAD CAP SCREW; 1/2"-13 X 1-1/2"; HEX DRIVE; ZINC | 4 |
| 3 | HDWE03112 | T-SLOT NUT; M8 (TSN10M8) | 4 |
| 4 | HDWE01318 | HEX HEAD CAP SCREW; M8 X 1.25MM; 22MM LONG | 4 |
| 5 | M2591 | Washer, Flat, 5/16 SS, .75" OD x .34" ID x .045" | 4 |



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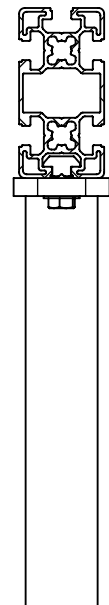
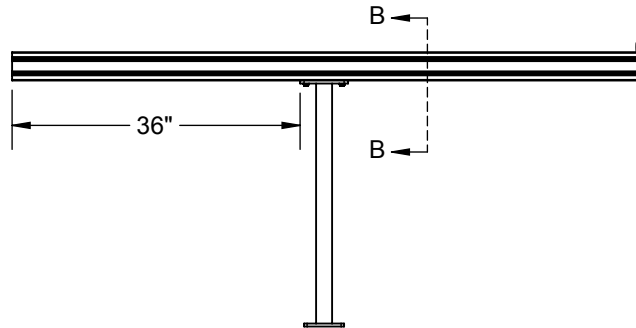


| | PART # | DESCRIPTION | QTY |
|---|-----------|--|-----|
| 1 | HDWE03112 | T-SLOT NUT; M8 (TSN10M8) | 4 |
| 2 | M2591 | Washer, Flat, 5/16 SS, .75" OD x .34" ID x .045" | 4 |
| 3 | HDWE01318 | HEX HEAD CAP SCREW; M8 X 1.25MM; 22MM LONG | 4 |

Start the bolts into the T-Slot nuts. Leave them loose.

Slide the T-Slot nuts into the T-Slot on the narrow side of the rail.

Set the legs about 36" from the end. Then tighten down the bolts.



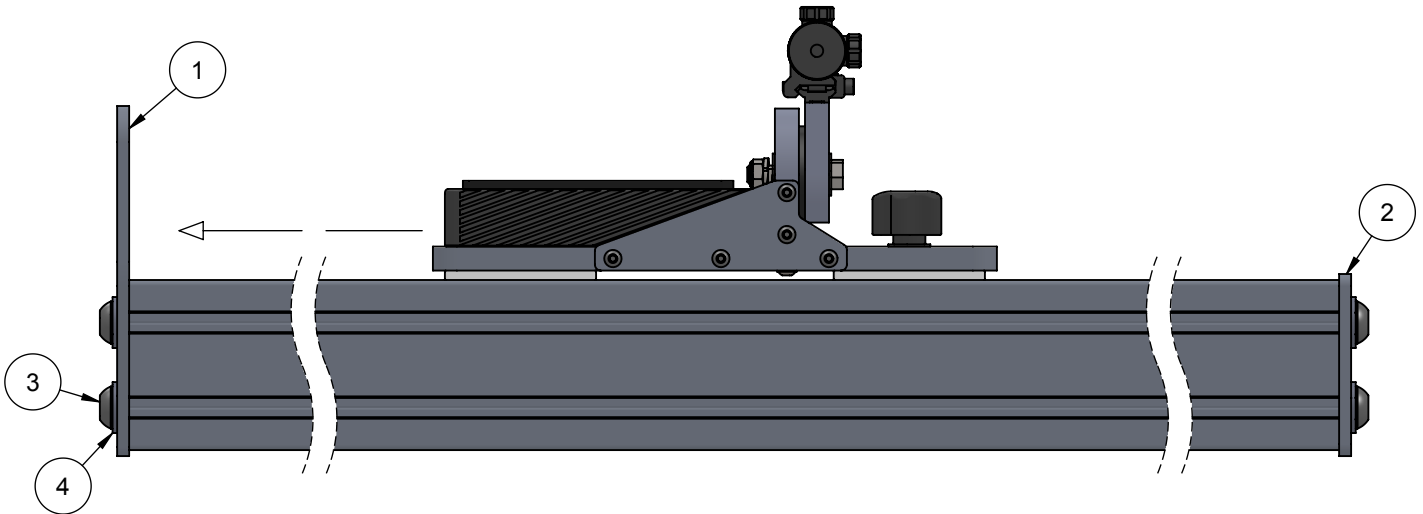
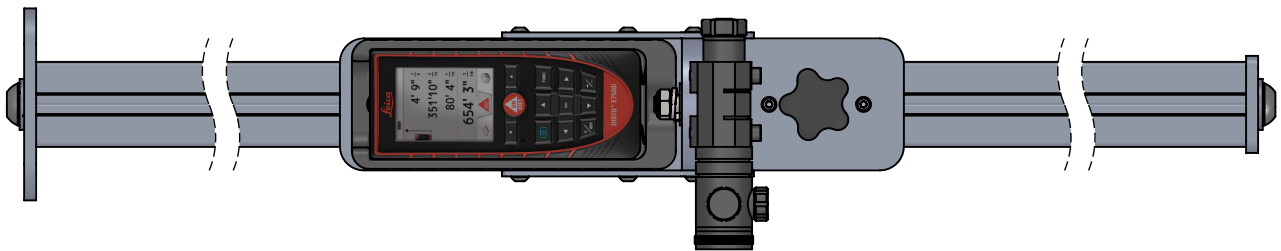
SECTION B-B

Put batteries in the measuring laser. Insert the measuring laser into the carriage.

Slide the laser carriage into the T-Slot on the top of the rail. Loosen the clamping knob if necessary.

Bolt the target plate onto the end of the rail. Make sure the measuring laser is pointing at the target plate.

Bolt the end plate to the opposite end of the rail.



| | PART # | DESCRIPTION | QTY |
|---|--------------|--|-----|
| 1 | E73740401 | TARGET END PLATE | 1 |
| 2 | E73740402 | END PLATE | 1 |
| 3 | HDWE061090E0 | BUTTON HEAD CAP SCREW; 1/2"-13 X 1-1/2"; HEX DRIVE; ZINC | 4 |
| 4 | HDWE050050E0 | 1/2" Flatwasher | 4 |

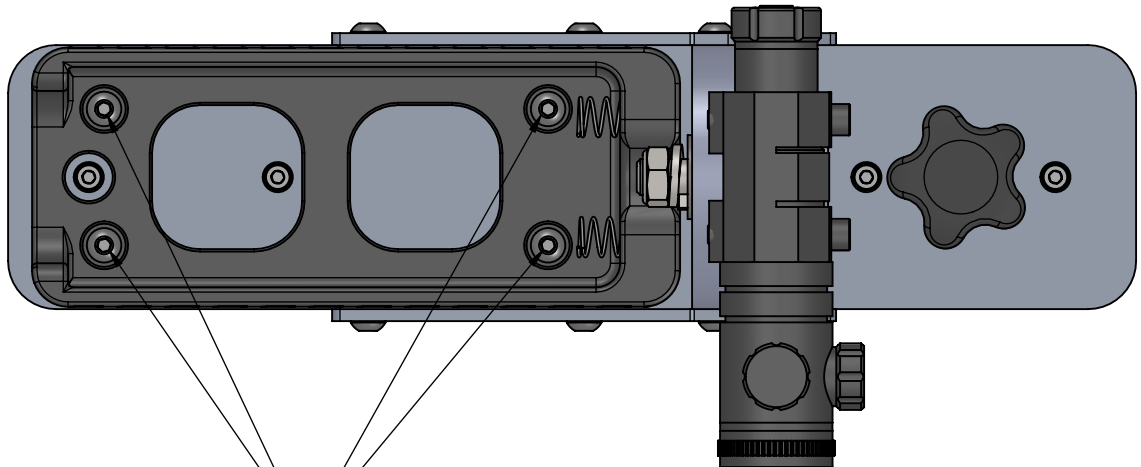
Slide the laser carriage to the end of the rail opposite the target plate.

Turn on the measuring laser and take a measurement. Make sure the RED laser dot is hitting the target plate.

If it is not, remove the measuring laser from the saddle. Then slightly loosen the four screws that hold saddle in place.

Put the measuring laser back in the saddle. Nudge the saddle until the RED laser hits the target plate.
(Ideally the RED dot should be slightly to the left of the center of the plate)

Carefully remove the laser and tighten up the four screws. Check the laser again.



If you need to adjust the measuring laser
left-to-right, loosen these four screws.



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Set up the unit next to the sand pit.

Make sure the target plate is towards the runway.

Make sure that the rail is parallel with the the sand pit.

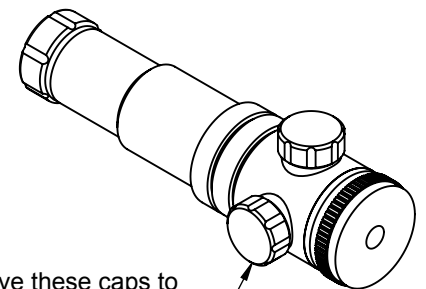
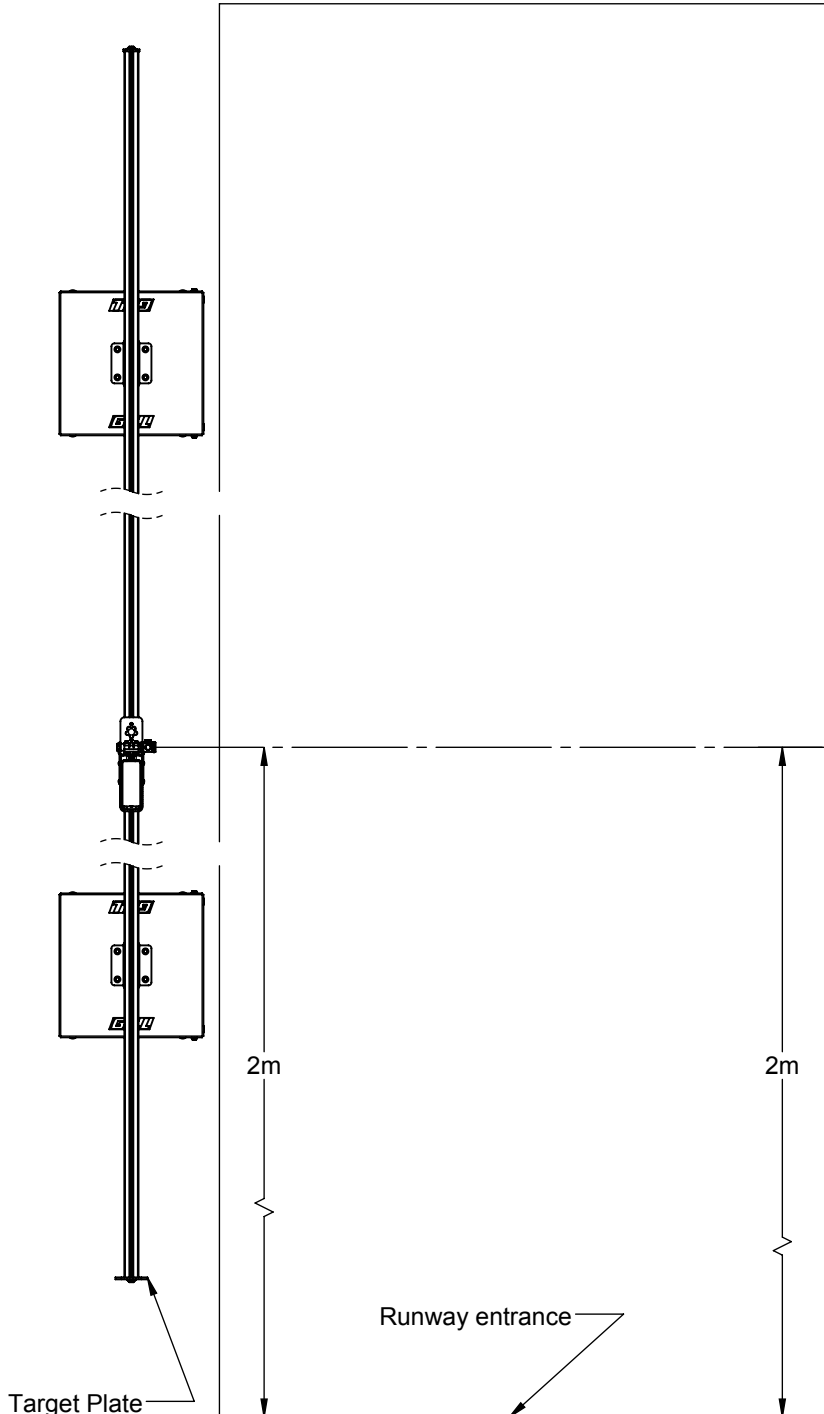
The green laser may need to be calibrated.

Use a tape measure to make a mark on the left side of the sand pit. Make another mark on the right side at the same distance.

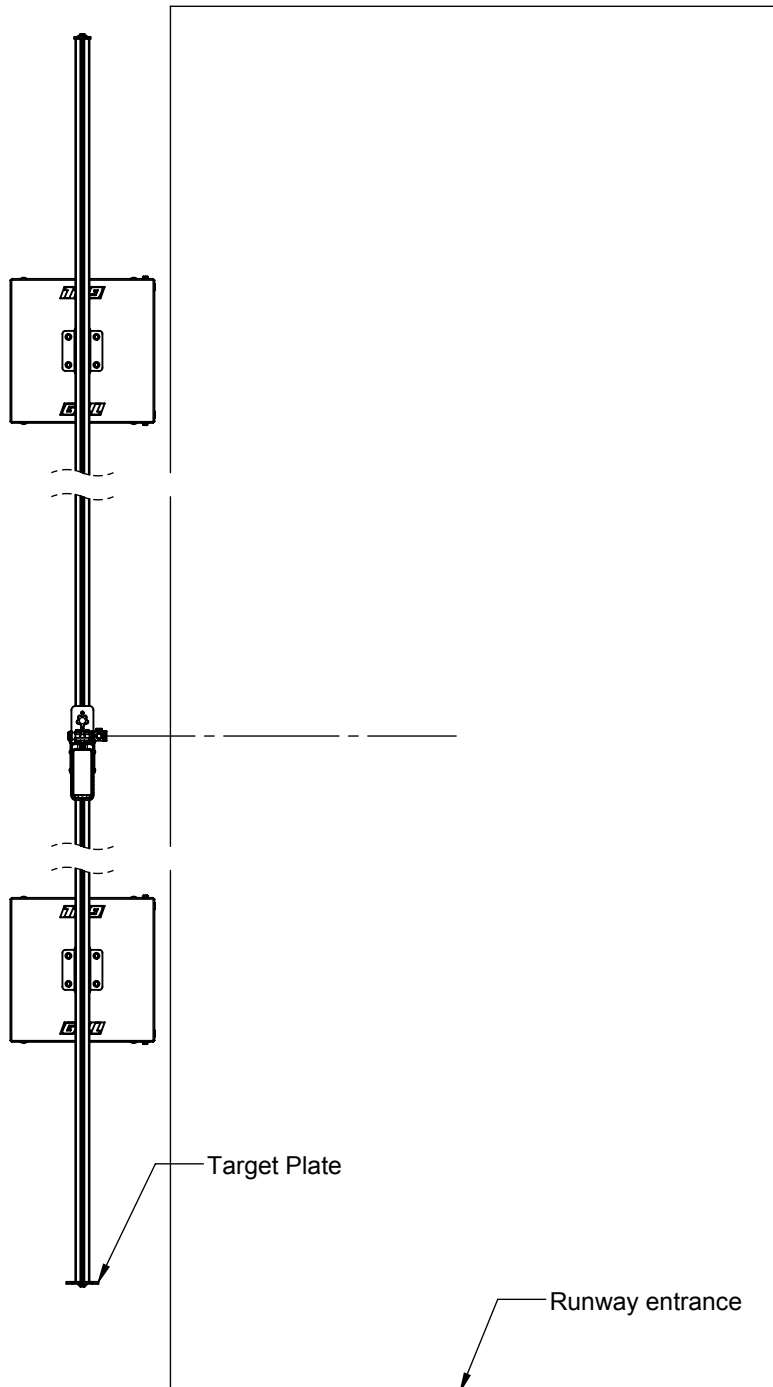
Slide the carriage so that the green laser hits the mark on the need side. Rotate the green laser up so that it hits the far side of the sand pit.

If the laser hits the other mark, no adjustments are needed.

If the laser doesn't hit the other mark, you should adjust the green laser using the set screws on the green laser.



Remove these caps to access the adjustment set screws



Calibrating the Measuring Laser

Make a mark in the sand and measure it with a steel tape measure as if it was a jump. Write down the measurement.

Now measure the same mark with the laser (make sure the laser does NOT currently have an offset programmed). Write down the measurement.

Subtract the laser measurement from the tape measurement. This is the offset that will need to be programmed into the measuring laser.

Make a few other marks in the sand and compare the laser measurement with the tape measurement.

The laser will need to be recalibrated any time the rail is moved or a different take off board is being used.



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How to Change the Units (on the Disto E7500)



1. Press the **Func** button.



2. Press the **Gears** button.



3. Arrow up to **Units**.
Press the = button.



4. Arrow right twice.



5. Arrow down to select **0.000m**
Press the = button.



6. Press the Clear button twice
to return to the main



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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS

How to Set the Offset (on the Disto E7500)



1. Press the **Func** button.



2. Press the **Gears** button.



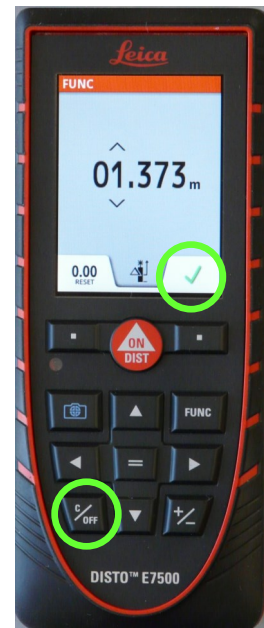
3. Arrow to **Offset**.
Press the = button.



4. Use the **Left & Right** arrows
to select a decimal place.



5. Use the **Up & Down**
arrows to change the value of
a decimal place.



6. Press the **Check Mark**
Press the Clear button twice to
return to the main menu