

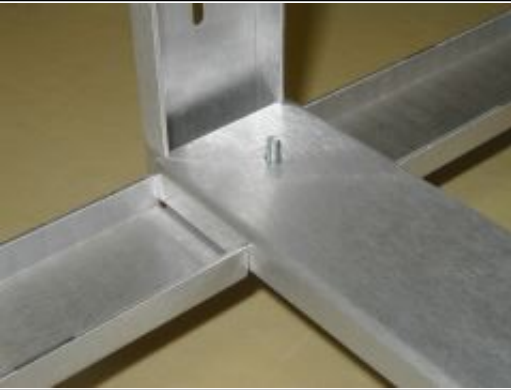
LMS Assembly Instructions



Here are the Laser Measurement System components (from left to right): Scale Bracket, Front Leg, Angle Bracket, Adjustable Feet (3), Knobs (2), Aft Leg.



The first step is to mate the Aft Leg to the Angle Bracket. Note the Aft Leg interlocks into notches in the rear of the Angle Bracket as shown. When fitted properly, the hole in the Aft Leg and the hole in the Angle Bracket will coincide.



The next step is to slip the mated Aft Leg/Angle Bracket pair down onto the 6-32 stud in the center of the Front Leg so that the 6-32 stud protrudes up through the aligned holes in the Aft Leg/Angle Bracket. Note that the open section of the Front Leg is oriented upwards (opposite orientation of the Aft Leg) to interlock with the Aft Leg/Angle Bracket assembly. Attach (1) Knob to the 6-32 stud and tighten securely.



Attach the Scale Bracket to the Angle Bracket as shown with the remaining Knob. Install the Adjustable Feet (3) in the Legs as shown.



Here is the assembled Laser Measurement System scale support. It is recommended that a small amount of lead weight (not included) be attached with double-sided pressure-sensitive tape to the bottom rear of the Aft Leg to improve stability during operation.

The Laser Measurement System can also be configured to allow measurement of rudder surface deflections by orienting the Scale Bracket to a horizontal position.



Remove the knob attaching the Scale Bracket to the Angle Bracket, rotate the Scale Bracket 90 degrees, and re-attach the Scale Bracket to the Angle Bracket using the 6-32 stud located in the center of the Scale Bracket.

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