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Find the *Newport PM500-1* at our website: ***Click HERE***

2.5 Mounting PM500-1 linear stages

PM500-1 Linear Stages come with a base plate for bolting the stage directly to the mounting surface (or mounting to the base stage in multistage configurations).

Mounting holes through the stage body are accessible through the carriage by aligning the carriage access holes with the mounting holes. Use the manual knob to move the stage carriage.

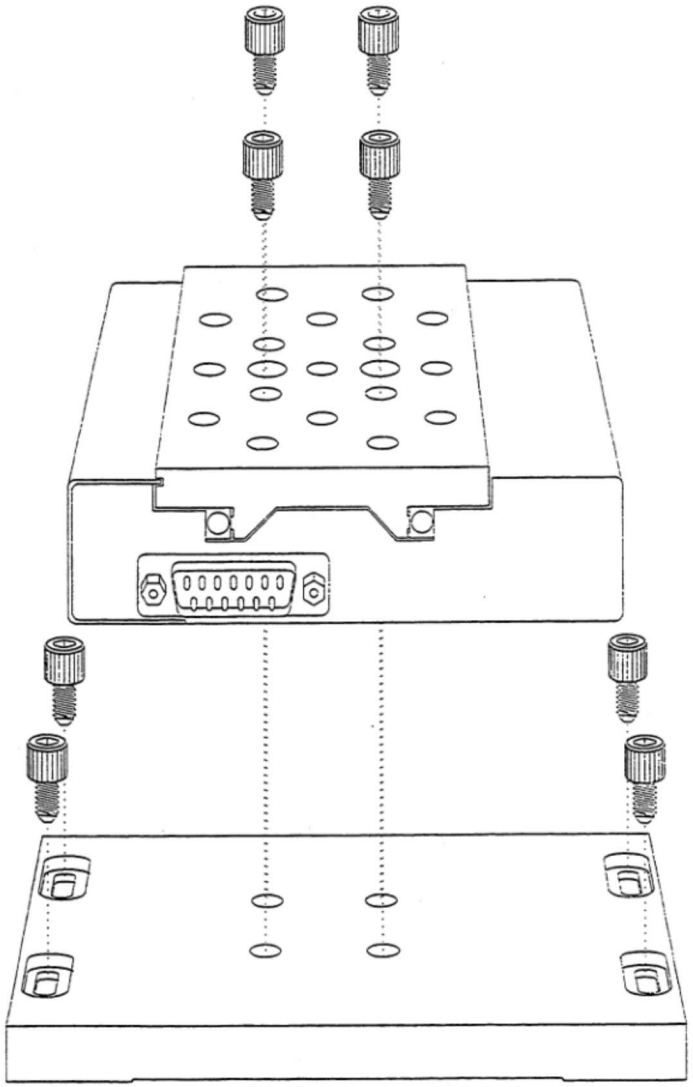


Figure 2.4: The PM500-1 Linear Stage comes with a base plate for bolting the stage to the mounting surface (or mounting to the base stage in multi-axis configurations).

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2.6 Mounting PM500 linear stages (except PM500-1)

➡❶ Remove the button-head screws from the side covers running parallel to the stage carriage.

➡ Remove the side covers.

➪ Locate the two 1/4-20 or M6 countersunk clearance holes on each side of the stage.

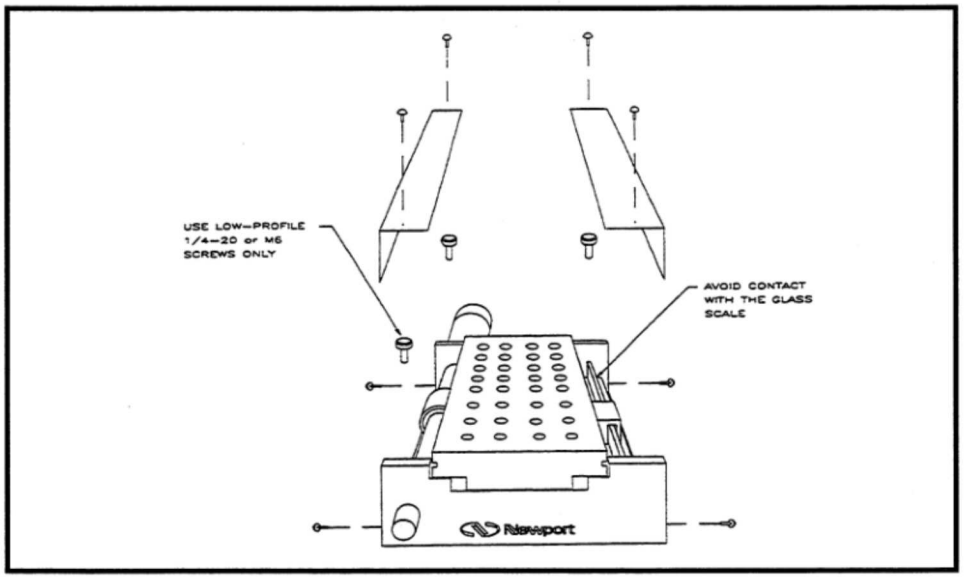
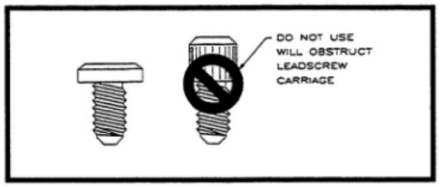


Figure 2.5: Exploded view of linear stage. Use extreme care to avoid contamination of the glass scale.

➪ Replace the covers onto the correct sides. The cover on the scale side has a Teflon low-friction pad on its inner surface to prevent wear of the encoder read-head harness.

CAUTION:

Use only low-profile 1/4-20 or M6 bolts for mounting. Standard socket-head cap screws will interfere with carriage motion, damaging the stage. If these screws are not available to you, contact Newport.



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