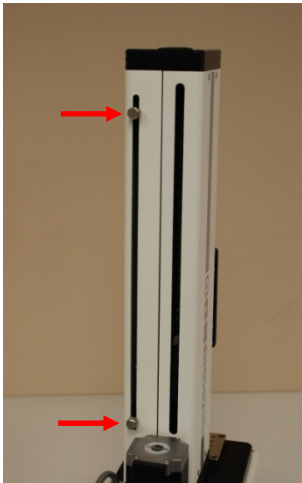
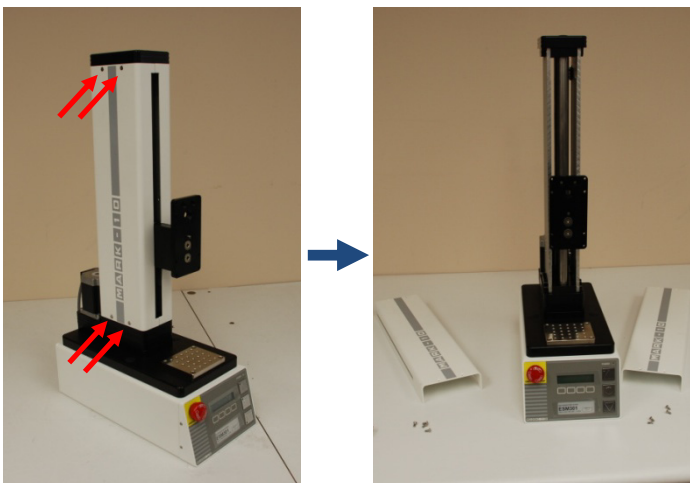


## ESM301(L)-001 TRAVEL INDICATION OPTION RETROFIT INSTALLATION INSTRUCTIONS

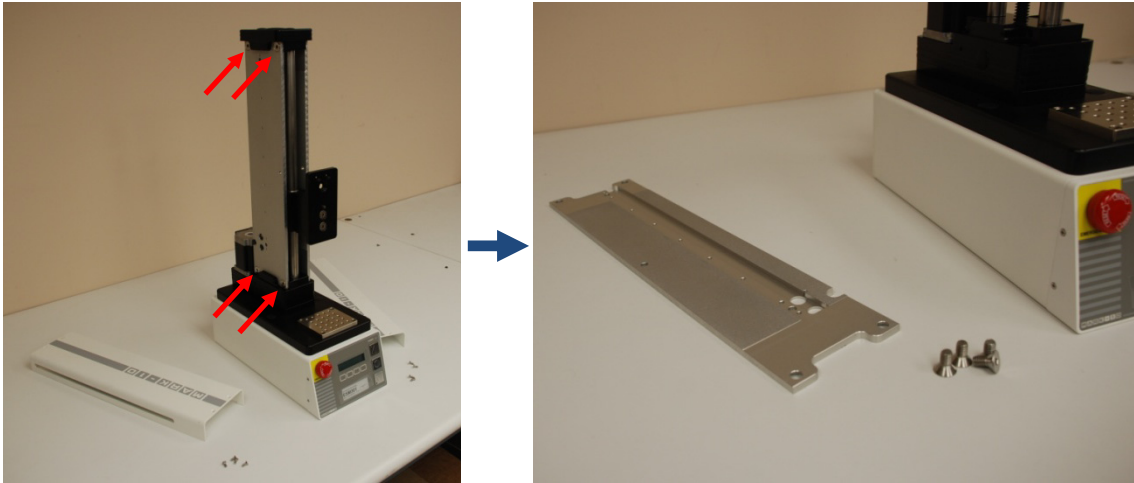
1. Loosen and remove the limit switch positioning screws, as shown below:



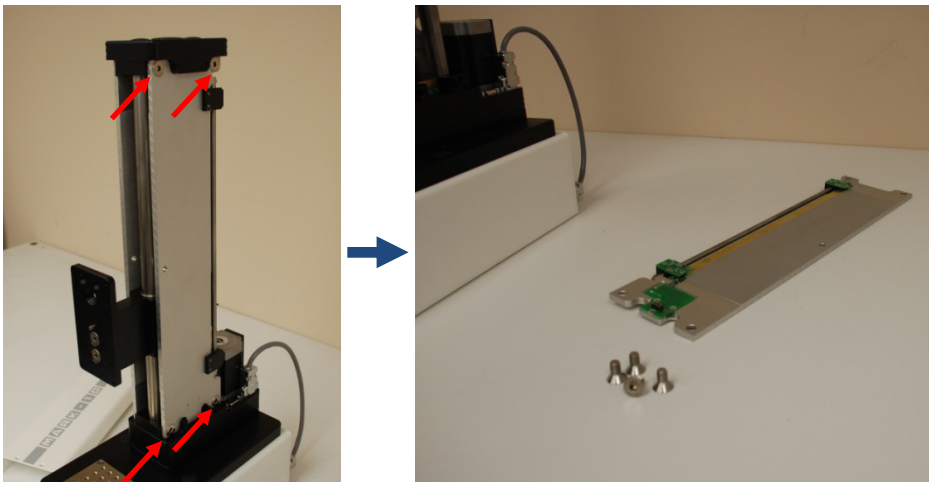
2. Remove both sheet metal covers from the test stand by loosening the four screws on each side, as shown below:



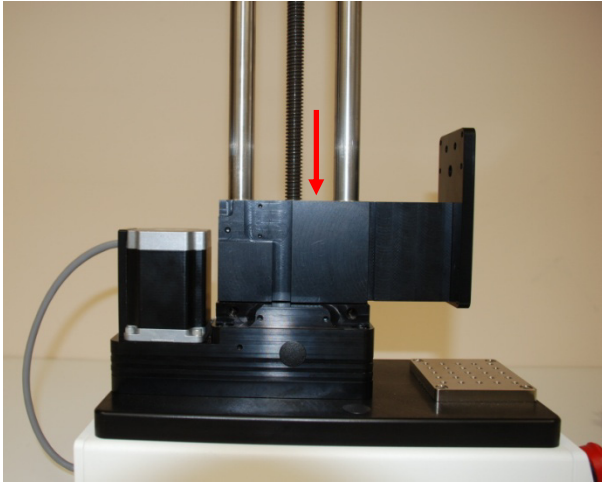
3. Remove the left side support plate by loosening the four Allen screws, as shown below:



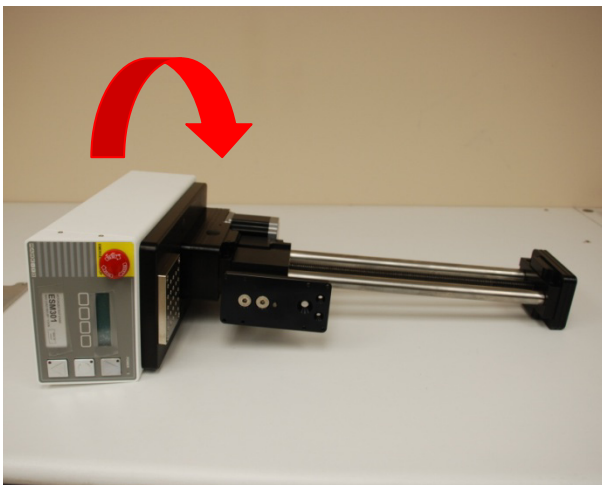
4. Remove the limit switch support plate by loosening the four Allen screws, as shown below:



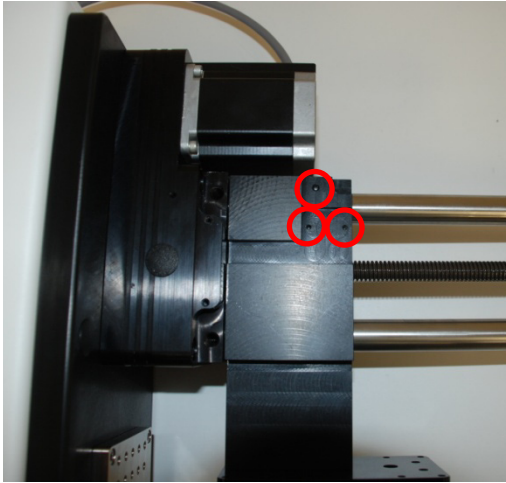
5. Move the crosshead down to its lowest position on the test stand.



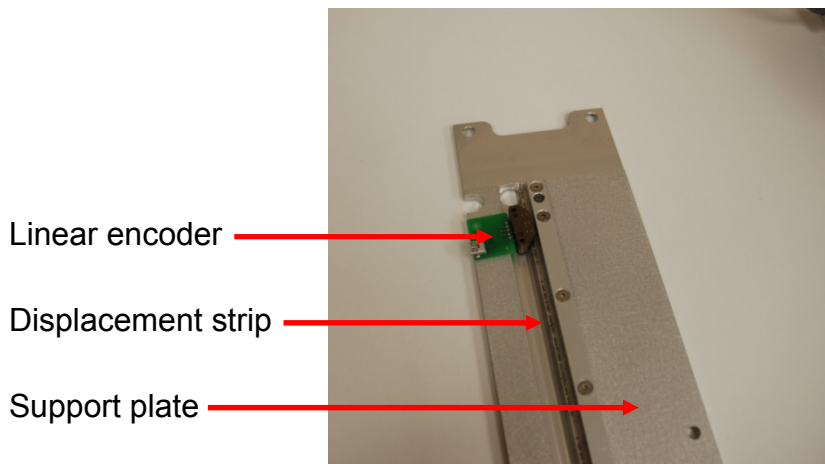
6. Position the test stand on its right side.



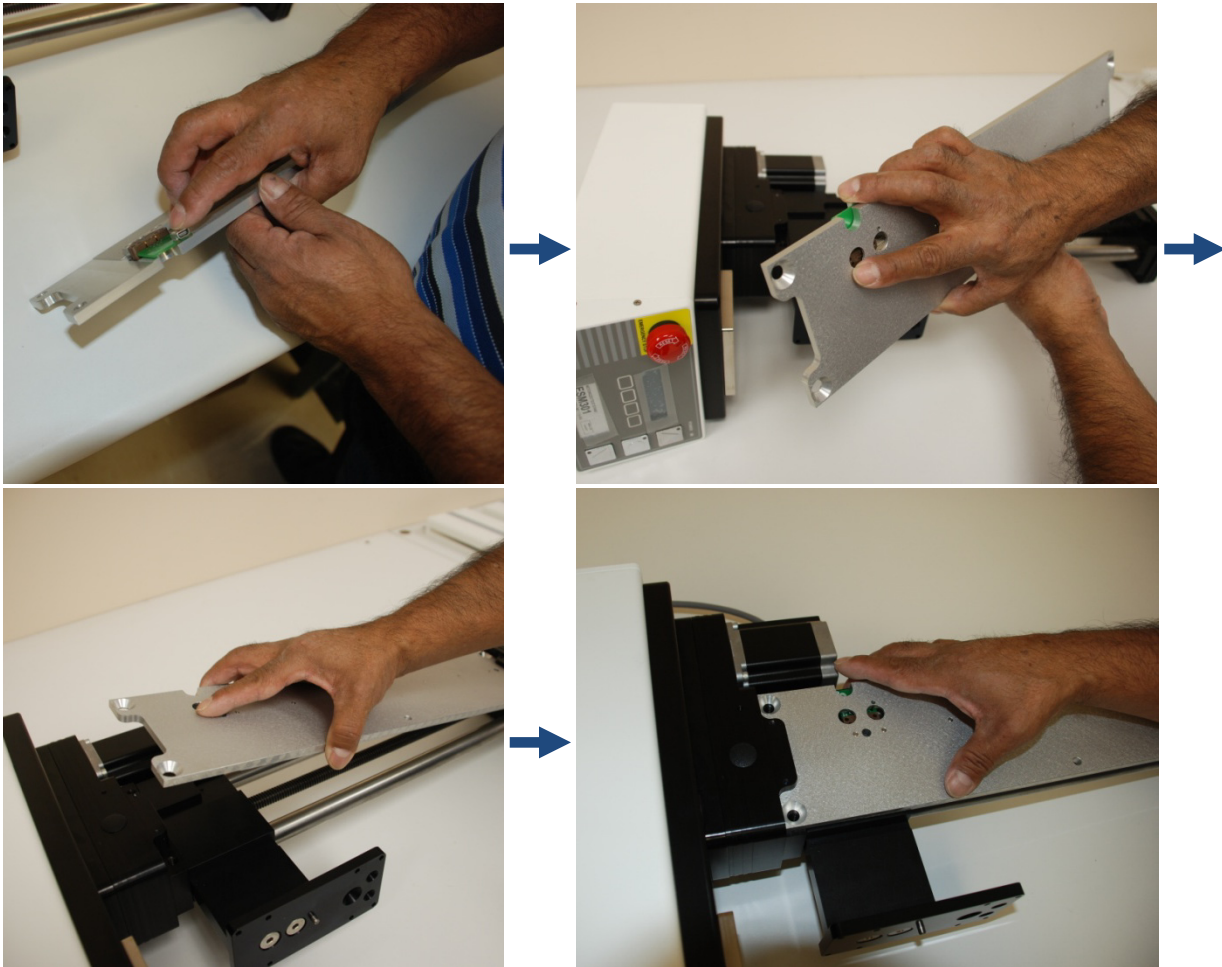
7. Note the three holes that are to be utilized for attaching the linear encoder.



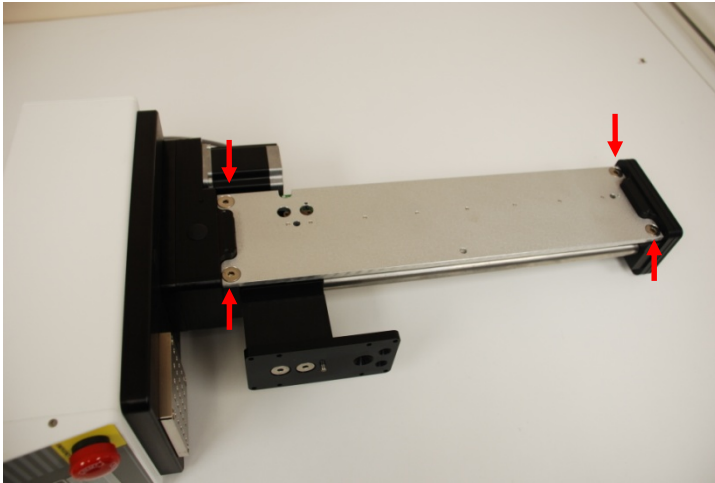
8. Position the linear encoder on the linear displacement strip, at the end of the support plate, as shown below:



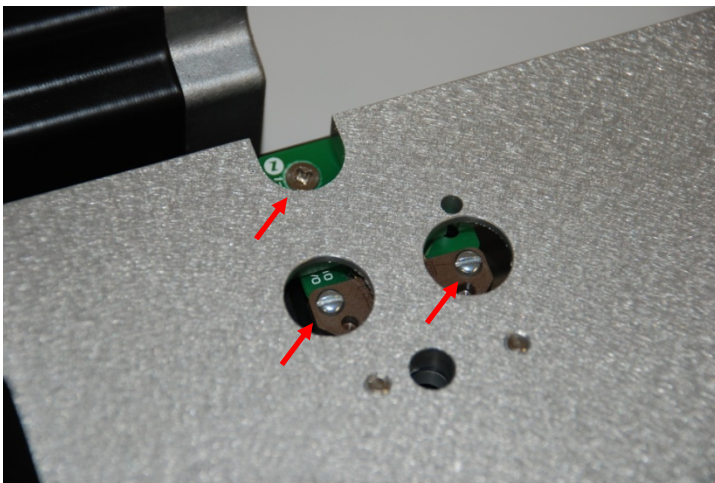
9. Place the linear travel displacement support plate onto the test stand, as shown in the following images:



10. Install the linear travel displacement support plate with four Allen screws, as shown below:

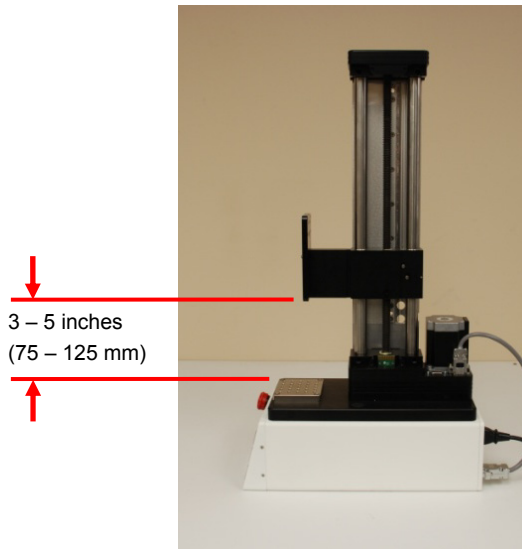


11. Install the encoder with the three supplied screws (two flat screws, one Phillips screw), through the clearance holes in the support plate, as shown below:

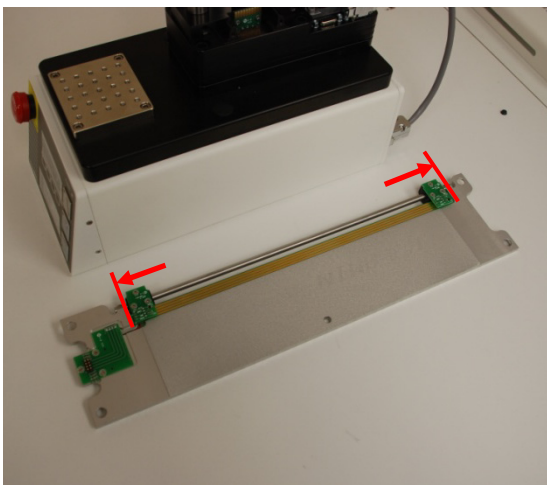




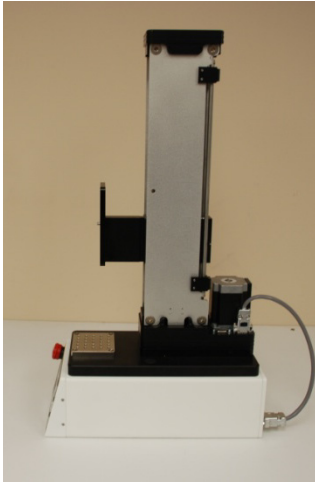
- Place the test stand upright and position the crosshead approximately 3 - 5 inches (75 - 125 mm) above the base, as shown below:



- Before re-installing the limit switch support plate, be sure to position the limit switches at their furthest allowable extremes, as shown below:



14. Re-install the limit switch support plate.



15. Re-install the sheet metal covers.





16. Re-install the limit switch positioning screws.



17. Connect the coiled encoder cable between the mini-USB connector adjacent to the linear encoder and the appropriate port in the rear of the test stand controller, as shown below. ESM301(L)-001 installation is now complete.

