

Lead Screw Replacement Instructions (Carriage)

Tools required:

Small Crescent Wrench, Phillips Screwdriver, 1/8" hex key, 5/32" hex key, x-acto knife or scratch awl.

1. Remove fence from end of the LS Carriage the un- clamp and slide the Carriage out of the base.



2. Use a 5/32" hex key to unscrew the set screw through the access hole in the fence mounting bracket and remove the spring and ball bearing. You may need to tip the carriage forward to allow the ball bearing to roll out. Retain the set screw, spring and ball bearing for re-assembly.



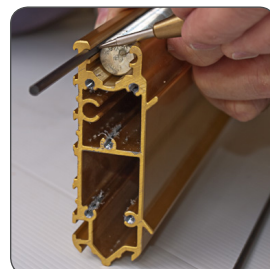
3. Remove locking nut and set screw along with all (5) Phillips head screws from end plate located at rear end of carriage. Remove end plate. Keep carriage horizontal when removing end plate to avoid losing the ball bearing located inside of the black spacer at the rear end of the lead screw.



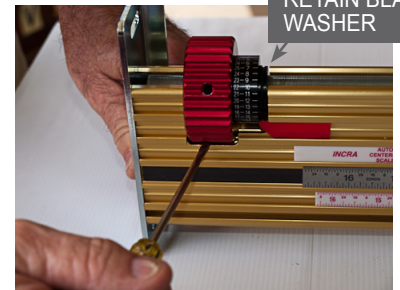
4. Slide the 3/8" long black spacer with 5/16" diameter ball bearing located at the end of the lead screw out of the carriage.



5. Use an x-acto knife or a scratch awl to slide the (2) long black plastic rods located on either side of the lead screw out of the carriage.



6. Pull on the Red Micro Adjust Knob to snap the Lead Screw Assembly out of the carriage. Again, keep the carriage horizontal when removing the lead screw in order to retain the 5/16" diameter ball bearing located inside of the black spacer at the forward end of the lead screw. If necessary, use a screwdriver between the carriage and the red knob to GENTLY leverage the lead screw assembly up and out of the carriage. Slide the large black washer located next to the black micro adjust disc off and add it to the new Lead Screw Assembly.



7. Before installing the new Lead Screw Assembly, make sure that the 5/16" diameter ball bearing is still inside the 1/4" long black spacer located just behind the fence mounting bracket.



8. Carefully lower the new Lead Screw Assembly into the carriage starting at the forward (fence mounting bracket) end and snap the assembly into position.



9. Slide the (2) long black plastic rods into the extruded cavities on either side of the lead screw.



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10. Slide the 3/8" long black spacer with the 5/16" diameter ball bearing inside into the carriage at the rear end of the lead screw.



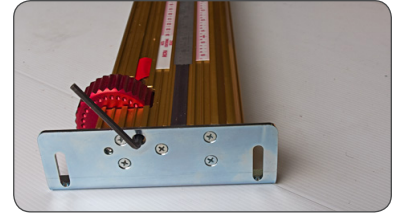
11. Re-attach the carriage end plate using the (5) Phillips head screws. **TO AVOID STRIPPING THE THREADS, DO NOT USE A POWER DRIVER DURING ASSEMBLY.**



TO AVOID STRIPPING THE THREADS, DO NOT USE A POWER DRIVER DURING RE-ASSEMBLY.

12. Hand thread the set screw into the end plate. This set screw is used to remove end to end play in the Lead Screw Assembly. **ROTATE THIS SET SCREW WITH YOUR FINGERS ONLY** until end to end play is removed. You can test for end play by pushing and pulling on the Red Micro Adjust Knob. Once the end play is removed, use a 1/8" hex key to hold the set screw in place as you thread on and tighten the locking nut. **DO NOT USE THE HEX KEY TO TIGHTEN THE SET SCREW. EXCESSIVE PRESSURE ON THE END OF THE LEAD SCREW WILL NOT PERMIT EASY ROTATION AND MAY DAMAGE THE FENCE MOUNTING BRACKET!** After tightening the locking nut, check for end play and fine-tune as necessary.

13. Replace the ball bearing, followed by the spring and the set screw through the hole located in the front of the fence mounting bracket.



Thread the set screw in until it is just below the face of the fence mounting bracket. **DO NOT TIGHTEN THIS SET SCREW.**

14. If converting to the Metric Lead Screw Assembly, remove all existing scales on the top of the carriage and replace with (1) 430mm Lexan scale and (1) Stainless Steel scale.

