

Replacing Meter and Pinion Gears

Thank you for ordering a Meter Bevel Gear and a Drive Star Shaft Pinion Gear. Below are instructions on installing them on your machine. Set your machine on "C" for continuous mode during the procedure.

1. Remove the Coin Gauge Cover located on the top right of the machine. It is held on by 2 small screws, 1 in front and 1 in back. Set the Cover and screws aside for now.
2. Remove the 4 small screws that hold the Meter, and then remove the Meter.
3. The Meter Bevel Gear is attached to the Meter shaft by 2 set screws. Use a 1/16" Allen wrench to loosen these screws and slide the gear off the shaft. Slide the new Bevel gear onto the shaft about halfway down, but don't tighten the set screws yet.
4. The Drive Star Shaft Pinion Gear is the smaller gear that was meshed with the Meter Bevel Gear. It is held on to the shaft by 2 set screws. Use a 1/16" Allen wrench to loosen these screws and slide the gear off the shaft.
5. Slide the new Pinion gear onto the shaft all the way down, and tighten the set screws. We recommend giving the first one a couple turns, and then flipping the Star gear until you see the other set screw, and giving it a couple turns, and so on until they are both firm. **DO NOT OVERTIGHTEN!** You need them firmly set, but too much may strip the threads.
6. Re-attach the Meter to the machine with its 4 screws. In general, simply center the Meter on the platform, and tighten the screws firmly, taking care not to overtighten them, as you may damage the Meter's base.
7. Next, you need to mesh the 2 gears. You don't want them to be very tight, or very loose. They should be close enough not to slip, yet still have just a tiny bit of play. Slide the Meter Bevel Gear toward the Drive Star Shaft Pinion Gear until they are meshed, and tighten the Bevel Gear's set screws. As before, we recommend giving the first one a couple turns, and then flipping the Star gear until you see the other set screw, and giving it a couple turns, and so on until they are both firm. **DO NOT OVERTIGHTEN!** You need them firmly set, but too much may strip the threads.
8. Test your Gears and Meter by resetting the meter to zero, and then flipping the Star gear with your finger, while watching the gears for good mesh, and checking the meter for proper counting.

If you have any questions, please call us and we'll be happy to help.

Thank you,

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