



QUALITY... PLAIN & SIMPLE®

## GM LS & Ford Coyote Engine Dipstick Installation Instructions

### General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

Refer to Fig. 1 for the component names.

\*\*\* These Engine Dipsticks are Gauge-To-Fit. The inner measuring cable must be shortened to the correct length for your specific application.

**Step 1:** Verify that your existing engine oil dipstick is correct for your application and that it shows "FULL" when the engine has the correct amount of oil in it.

**Step 2:** Make sure that the engine is filled with the manufacturer's recommended amount of oil. Follow the manufacturer's recommended procedure for checking and topping off the oil level after an oil change. In most cases, you will be required to start the engine and let it run briefly, and then turn it off and allow time for the oil to drain back into the pan.

**Step 3:** Remove the original dipstick from the dipstick tube assembly (GM LS) or cylinder head (Ford Coyote), and double check one last time that the oil is at the proper level.

**Step 4:** Lay the inner measuring cable on a flat surface, and lay your original dipstick beside it. Align the "FULL" mark on the new inner measuring cable with the "FULL" mark or the top of the "OPERATING RANGE" on your original dipstick. Fig. 2

**Step 5:** Place a mark on the inner measuring cable that aligns with the point on your existing dipstick handle that bottoms out on the dipstick tube or cylinder head. This surface is recessed into the handle on many dipsticks. Fig. 3

**Step 6:** Wrap 2 or 3 turns of masking tape around the inner measuring cable immediately above your mark. Measure 1/4" above the mark, and make a second mark. Cut the inner measuring cable at your second mark using a cutoff wheel, fine tooth hack saw, or a pair of heavy duty 8" diagonal cutting pliers. Lokar recommends Klein brand Diagonal Cutting Pliers, # D2000-28 available at The Home Depot or through W. W. Graingers, Part # 4A838.

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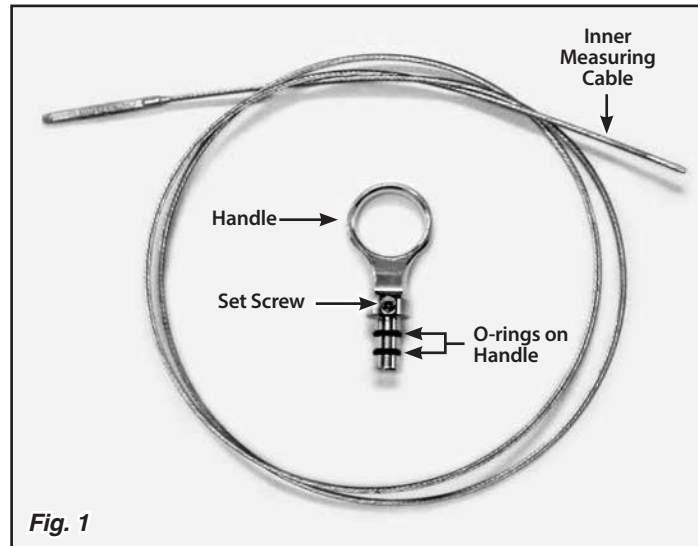


Fig. 1

**Step 7:** Remove any remaining masking tape from the inner measuring cable where you made your cut. Loosen the set screw in the new dipstick handle using a 5/64" Allen wrench. Install the shortened inner measuring cable into the handle. It may be necessary to twist the inner measuring cable (in the direction that tightens the twisted strands) in order to get the inner measuring cable into the handle.

Push the inner measuring cable all the way in, until it bottoms out in the dipstick handle. Tighten the set screw using a 5/64" Allen wrench until it compresses the inner measuring cable and you cannot pull the inner measuring cable out of the dipstick handle.

**Step 8:** Lightly lubricate the o-rings on the handle with engine oil. Insert the handle and inner measuring cable fully into the original dipstick tube or cylinder head. Remove the handle and inner measuring cable and verify that the oil level is at the FULL mark. Return the handle and inner measuring cable into the dipstick tube or cylinder head.

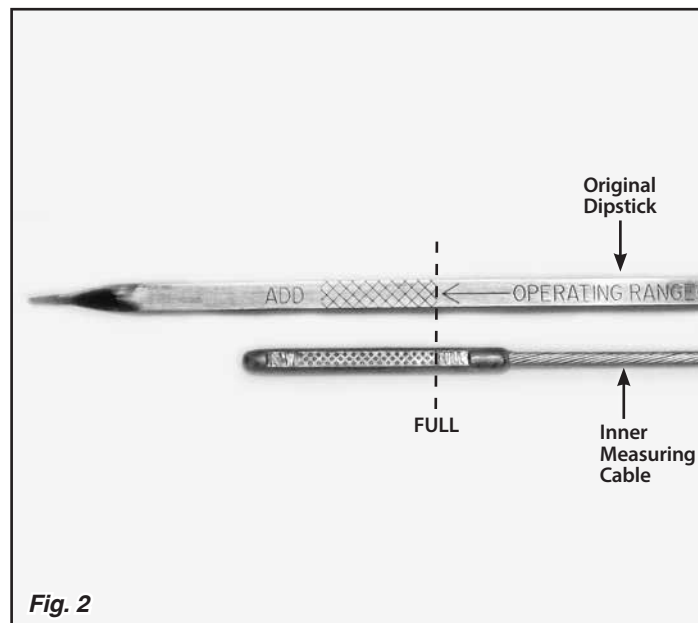


Fig. 2

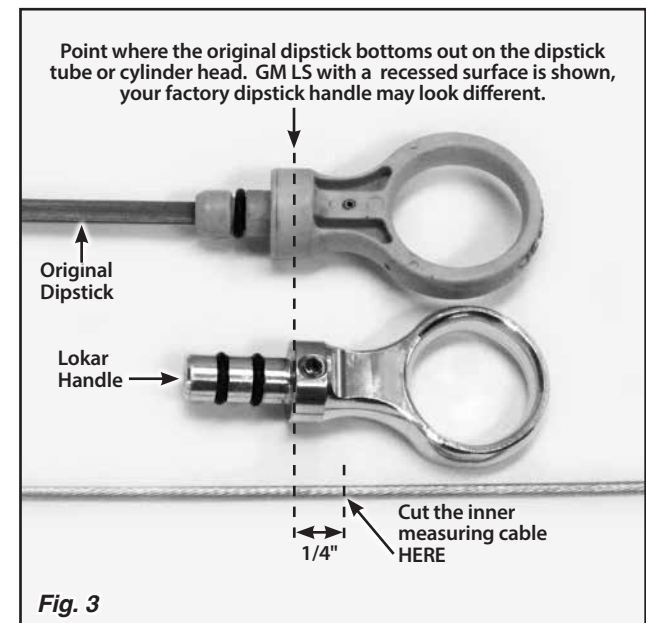


Fig. 3