

Dale's Show and Tell

Mrs. Warren, my Kindergarten teacher, would be very proud of me. I brought this Model A Engine Cam Shaft timing gear [right] to show everyone the importance of making sure that the lever that controls your spark advance timing on the left side of the steering wheel is in the full upright spark retard position when you start your Model A. If you try to start your Model A with that lever in the down position, it advances the spark ignition timing to the spark



plugs before the engine's pistons are at top dead center, and it stalls the engine before it has a chance to start running. It puts a great strain on your starter motor assembly and the gear on the cam shaft. It is made out of a fiber material that helps keep the gear "whine" noise down, but is also designed to be the weakest link so the gear itself breaks before damaging the cam shaft or crank shaft gear. In this case I'm guessing it broke a couple of teeth off the gear but the motor still ran with a very heavy misfire issue. So, what's the first thing you do to trouble shoot an engine that's not running well - YOU REV IT UP! Which in this case was the wrong thing to do as seen pictured.

Thank you, Mrs. Warren, you were the best Kindergarten Teacher ever!

Dale Waldron

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