



CAT Products, Inc

Technical Service Bulletin

Bulletin #: 00072

Manufacturer: All

Vehicle: All w/Drive-by-Wire Throttle

Service: Fuel and Induction Systems

Drive-by-Wire Systems Won't Idle Up; May Take Longer for Fuel System Service

The standard procedure for performing a Run-Rite fuel and induction system service requires raising the engine to 2000 RPM. But cars equipped with drive-by-wire throttle control may not allow you to raise the idle that much with the transmission in park or neutral.

That's not a real problem with any of the Run-Rite fuel system services: Just perform the service the way you normally do, running the cleaner through a manifold vacuum source near the throttle plate, or directly through the throttle body using the S-nozzle.

When procedure says to raise the idle, take it up as far as the vehicle's control system allows; that'll usually be between 1000 and 1200 RPM.

Then open the service valve slowly, just until you hear the cleaner begin to affect the idle.

CAUTION

Open the valve slowly and don't let the cleaner flow too fast. If you open the valve too far, it could cause the cleaner to pool, which could damage the engine.

Once you have the valve set properly, let the cleaner continue to flow until the can's empty.

The lower idle speed means the service will take longer; probably 20 to 25 minutes to empty the can. That's okay: The extra time won't hurt anything. In fact, allowing the cleaner to flow more slowly will probably give it time to do an even better job cleaning the intake manifold and intake valves.

Once the can is empty, finish the service the same as you did before.

Make sure you let the customer know that the service may take a little longer than it did on their older cars that used a cable-controlled throttle.

