



# Pioneer Cable Company

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## Process for Testing Ignition Interlock Device in Vehicles with Start/Stop Technology

The first step to testing the malfunction of an interlock during a rolling retest is to have a vehicle with Eco Start/Stop technology. An example of this would be a 2016-2018 Chevrolet Cruze or Malibu. These specific cars will have "ECOTEC" printed on the engine cover under the hood. Some cars may also have a button on the dash that manually disables the system. This has to be done each time you start the vehicle.



1. Install a NHTSA/State certified breath alcohol ignition interlock device (BAIID) in a vehicle with start stop technology (i.e., 2016 Chevy Cruze).
2. Provide a valid breath sample to start the vehicle.
3. After the vehicle has been started, it is important to drive the vehicle to make sure the battery has sufficient charge to operate the start stop technology.
4. Drive the vehicle until the IID asks for the first rolling retest. You should have at least 5 minutes to take this test which is adequate time to see how the IID has interfered with the restart feature of the start/stop technology.
5. Once you see that the device is asking for a test, bring the vehicle to a complete stop. At this point the start/stop feature should shut down the engine and run on battery power alone. Keep in mind the ignition is still in the on position so the IID will not record an engine shut off.

6. Without completing the requested breath test, apply pressure to the gas pedal. The vehicles engine should start and you should be able to drive.\* Note; this is the normal operation of a vehicle with start/stop technology.
7. If the engine does not restart and allow you to drive, provide a valid breath test into the IID.
8. After you pass the test, apply pressure to the gas and see if the vehicle resumes driving.

\*If the engine does not restart in step 6, this is where the installation of an IID interferes with the normal operation of a motor vehicle on-board computer function equipped with start/stop technology.

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"Installation and service of the BAIID in a vehicle must not compromise any normal function of the vehicle, including anti-theft functions, on-board computer functions, or vehicle safety features required by the Federal Motor Vehicle Safety Standards, and must not cause harm to the vehicles occupants."

Pioneer Cable Company has the solution, our US and International patent pending logic circuit, which is also pending NHTSA manufacturer identification, provides the much needed safety feature that allows a vehicle using start stop technology and has an ignition interlock device installed to continue to utilize the start stop technology when a rolling retest has been requested.

For more information contact us at [email@pioneercable.com](mailto:email@pioneercable.com) or (316) 945-4488.