



## Speed-Timing Sales, Service, Calibration and Training

*YIS/Cowden Group, Inc.*

*Headquarters in York, PA*

*2603 Reach Rd, Rear, Williamsport, PA 17701*

*(P) 570-494-1150 (F) 570-494-1021*

# FACTS SHEET

## OBD-II Modules for Speed-Timing

YIS/Cowden Group, Inc. (YCG) has done extensive testing with an **OBD-II VSS generator module** (plug into your OBD-II connector under the dash) to try and determine if it is accurate enough for speed-timing. We've seen inconsistencies (data provided upon request) which have led us to encourage customers to use alternate options like factory speed signal when available or a collar kit. According to the manufacturer of this **OBD-II VSS generator**, the module should have an accuracy of +1% to -4% depending on the vehicle and could have a wider variance.

## Speedometer Calibration on AWD Ford Interceptor Sedan/Utility

According to the ***Ford Police Modifier Bulletin P-002***, when using a 2-wheel-drive dynamometer you ***must remove the rear driveshaft*** and ***discard the rear drive unit bolt and washer assemblies and the CV joint bolts. Install new bolts or damage to vehicle may occur.***

YCG has developed the patented **Speedometer Testing Platform** that will allow any police vehicle to be safely tested without having to remove any parts from the vehicle. Rear Wheel Drive vehicles can be done in under 2 minutes, All Wheel Drive and Front Wheel Drive vehicles done in under 10 minutes. Visit our website, [www.policesspeedtiming.com](http://www.policesspeedtiming.com), for more details!

## How does your calibration service take care of you?

### ENRADD Wireless System Repairs

While anyone can perform minor repairs such as switches and plugs, YCG (manufacturer) has seen some repairs done that would not be within manufacturers spec. These types of repairs could be subject to questioning.

### ENRADD/ESP/Speedchek Testing

These systems require more than powering on and running the internal test. Once the complete system has been set up and all components tested to see they are functioning correctly, the head unit should be hooked to a tester that will input time interval pulses for the proper distance and confirmed that the unit under test is displaying proper speeds.

### V-SPEC/VASCAR/Tracker Testing

If one of these devices is wired into a vehicle to measure distance, the vehicle should be driven through a measured course to get a calibration number, then driven through a second time to get a recall or hooked into a simulator to test this function. If these steps are not performed, then the unit is tested for park mode only. Once this is completed the unit should be tested to verify it is calculating speed correctly.

### Missed Scheduled Calibration

If you have equipment missed does your cal service come back BEFORE the next sixty day calibration cycle? Do they even try?

***Are these things being done for you? If not, give us a call at 570-494-1150!***