

**CERTIFICATION CONCERNING DESIGN & CONSTRUCTION
OF SPEED MEASURING DEVICES "RADAR"**

**STATE OF WASHINGTON
COUNTY OF KITSAP**

I, Edward E. Cole, swear under penalty of perjury of the laws of the State of Washington, that the following is true and correct:

- 1) I am employed by, and proprietor of, **Wescom Communications** located at **Wescom Communications** located at 14760 Starr Rd. SE, Olalla, Washington 98359. Phone 206-579-6690. Wescom500@msn.com ;
- 2) In this employment, I maintain, repair, calibrate and certify the accuracy of electronic speed measuring devices;
- 3) Wescom is retained by the **Black Diamond Police Department** to maintain, repair, calibrate and certify electronic speed measuring devices;
- 4) I have the following education, experience and qualifications with respect to maintaining, repairing, calibrating and certifying speed measuring devices:
 - a) I hold a Federal Communications Commission license with, a radar endorsement; dated August 1984, license **#PG-14-1247**;
 - b) I am a N.A.B.E.R. Certified Electronic Technician, and hold a National Association of Business and Educational Radio certificate, dated August 1984;
 - c) I have successfully completed a two (2) year course at Clover Park Vocational Technical College and hold a Land, Mobile, Marine Communications certificate, dated July 1985;
 - d) I have successfully completed a radar Manufacturer's training course which encompassed the design and construction of radar instruments, the repair, maintenance, calibration and certifying of speed measuring devices, and hold a Kustom Traffic Radar Safety Systems certificate, dated May 1987;
 - e) I have accumulated over 30 years and approximately thirty thousand (30,000) hours in repair, maintenance, calibration and certification of speed measuring devices, as of the date of this affidavit;
- 5) Wescom is an authorized service center for speed measuring devices, and as a course of business, maintains service manuals with schematics on these radar instruments, of which I am personally familiar, and make these available for inspection, upon request, at the above office address, for any contest of a notice of infraction;
- 6) Through education and experience, am personally familiar with the design, construction, and operation of these speed measuring devices, which are designed and constructed to accurately employ the Doppler radar principal;
- 7) Wescom maintains a quality assurance testing, calibration, and certification program wherein each speed measuring device is routinely inspected and tested approximately every **24 months** by the following means;
 - a) **Precision Signal Generator test**; a frequency injection test which simulates a vehicle's speed through changing frequencies wherein each speed measuring device must correctly measure and register those simulated speeds in order to be certified accurate;
 - b) **General Operation and Maintenance Check**, wherein all components of the speed measuring device are checked for accurate operation;
 - c) **Internal Calibration Test**, wherein each speed measuring device's internal calibration is verified ;
 - d) **Radio Frequency Interference Check**, wherein each speed measuring device's Radio Frequency Interference detection circuitry is verified;
 - e) **Tuning Fork Test**, wherein each speed measuring device's measurement and reading is checked against a known result indicated on the tuning fork;
 - f) **Field Test**, where in all operations of each speed measuring device are checked by testing against conditions in the field;

8) The speed measuring device/radar instrument listed below was submitted to Wescom Communications by the, **Black Diamond Police Department** to be tested and evaluated by the quality assurance program noted above, and pursuant to that request, I Edward E. Cole, performed all of the program tests, and found that this speed measuring device/radar met or exceeded existing performance standards;

9) Based upon my education, training and experience, and my knowledge of the speed measuring device listed below, it is my opinion that this instrument is so designed and constructed as to accurately and reliably employ the Doppler effect in such a manner that it will give accurate measurements of the speed of motor vehicles, when properly calibrated and operated by a trained operator, to within plus (+) or minus (-) one (1) mile per hour.

Kustom Falcon FF6630, tuning fork 16540 50mph.	Test Date 03-21-2023.
Kustom Falcon FF18686, tuning fork 16451 50mph.	Test Date 03-21-2023.
Kustom Falcon FF21128, tuning fork 47298 65mph.	Test Date 03-28-2023.
Kustom Falcon HR FH08200, tuning fork 966933 35mph. 966968 65mph.	Test Date 03-28-2023.
Kustom Falcon HR FH09600, tuning fork 65192 35mph. 59678 65mph.	Test Date 03-28-2023.
Kustom HR-12 AA8476, tuning fork 27474 35mph. 31205 65mph.	Test Date 03-21-2023.
Kustom Golden Eagle XE04281, tuning fork 38175 30mph. 44197 55mph.	Test Date 03-28-2023.
Kustom Golden Eagle XE04286, tuning fork 28809 30mph. 30335 55mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP01593, tuning fork 59428 35mph. 54943 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP05744, tuning fork 52909 35mph. 48682 65mph.	Test Date 03-28-2023.
Kustom Raptor RP1, RP15985, tuning fork 26698 35mph. 24676 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP35587, tuning fork 51960 35mph. 51903 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP35588, tuning fork 51959 35mph. 51964 65mph.	Test Date 03-28-2023.
Kustom Raptor RP1, RP35589, tuning fork 51947 35mph. 51976 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP37003, tuning fork 60590 35mph. 60628 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP37004, tuning fork 60595 35mph. 60632 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP37005, tuning fork 60593 35mph. 60630 65mph.	Test Date 03-21-2023.
Kustom Raptor RP1, RP39828, tuning fork 77494 35mph. 77188 65mph.	Test Date 03-28-2023.
Kustom Raptor RP1, RP39829, tuning fork 77196 35mph. 77493 65mph.	Test Date 03-28-2023.
Decatur Genesis II G2S 30250, tuning fork 234764 35mph. 234844 50mph.	Test Date 03-21-2023.

State of Washington

County of Kitsap

Signature: Edward E. Cole

Date and Place 3-29-2023 Olalla, Wa.

Printed Name: Edward E. Cole