



Mercer Island Municipal Court

RADAR UNIT # Kustom Falcon HR FH10079

TUNING FORK(S): 31687 35 mph, 30949 65mph

I am the custodian of the Radar Certification records for Mercer Island Municipal Court. I certify that I maintain the above referenced record pursuant to RCW 5.44. My initials appear below the stamp on the radar certificate indicating it is kept as a public record.

I maintain under penalty of perjury under the laws of the State of Washington that the above statements are true and accurate to the best of my knowledge.

Pauline Lee
Court Clerk
Mercer Island Municipal Court

Dated this 15 day of April, 2021.

Mercer Island Municipal Court
9611 SE 36th Street, Mercer Island, WA 98040
206.275.7604 * fax 206.275.7980

APR 12 2021

MERCER ISLAND
MUNICIPAL COURT

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

STATE OF WASHINGTON
COUNTY OF KING

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 207 SW 41st Street, Renton WA 98055, telephone (425) 251-6666;
- 2) In this employment, I maintain, repair, calibrate and certify the accuracy of electronic speed measuring devices;
- 3) Wescom is retained by the City of Newcastle 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 approximately **thirty years and over (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 **City of Newcastle 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 Talon T1297, tuning forks 41457 30mph. 67593 55mph.	Test Date 02-22-2019.
Kustom Falcon HR FH10079, tuning forks 31687 35mph. 30949 65mph.	Test Date 02-22-2019.
Stalker II MDR AS016107 tuning forks FA262245 25mph. 368690 40mph.	Test Date 02-22-2019.

Stalker Dual, 006214 tuning forks FA134403 25mph. 235795 40mph.	Test Date 03-01-2019.
Stalker Dual, DD016170 tuning forks FA263094 25mph. 371059 40mph.	Test Date 02-23-2021.
Stalker Dual, DD016277 tuning forks FA264996 25mph. 371917 40mph.	Test Date 03-01-2019.
Stalker Dual, DD016278 tuning forks FA264991 25mph. 371919 40mph.	Test Date 03-01-2019.
Stalker Dual, DD016283 tuning forks FA264994 25mph. 371918 40mph.	Test Date 03-01-2019.
Stalker DSR2X DP10366, tuning forks FA156132 25mph. 255629 40mph.	Test Date 02-23-2021.
Stalker DSR2X DB017299, tuning forks FA279573 25mph. 389298 40mph.	Test Date 02-23-2021.

MPH BEE III BEE664017644, tuning forks 50924 20mph. 50434 50mph.	Test Date 05-22-2019.
MPH BEE III BEE664017645, tuning forks 50927 20mph. 50433 50mph.	Test Date 07-18-2019.

State of Washington
County of King

Signature:  Date and Place 2-23-2021 Renton, Wa.
Printed Name: Edward E. Cole

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THIS DOCUMENT IS MAINTAINED
AS A PUBLIC RECORD
IN ACCORDANCE WITH RCW 5.44.