Service Bulletin

Number:	1765 Rev A
Date Issued:	September 4, 2018
Date Revised:	**April 9, 2024**
Product Affected:	Eagle 3 Remote Control Certification
Reason for Bulletin:	Procedure on how to Certify the Remote Control Oscillator Outputs
Serial Numbers:	Applies to all units.

Description:

This bulletin outlines the procedure to certify the remote control for the Eagle 3.

Background:

The Eagle 3 remote control generates the frequencies to test the accuracy of the Eagle 3 Traffic Safety RADAR unit.

The Eagle 3 can use one of two methods to check the accuracy of the unit: 1. Tuning forks or 2. Electronically generated frequencies by means of the remote control.

Procedure:

1. Loosen the screw on the bottom of the remote control.
2. Slide the remote push buttons to expose the interior of the remote control.
3. Once separated, turn the remote control over to expose the circuit board.

![Kustom Signals, Inc. logo] KUSTOM SIGNALS, INC.

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Figure 1 – Open Remote Control

4. Connect a frequency counter probe to test point location labeled **TP5** and ground lead of probe to ground of remote control as shown in the image below.

5. Press the switch button shown in diagram and read the frequency displayed on the frequency counter. Depress the button again and the second frequency will appear on the frequency counter. Complete the certificate with that information.
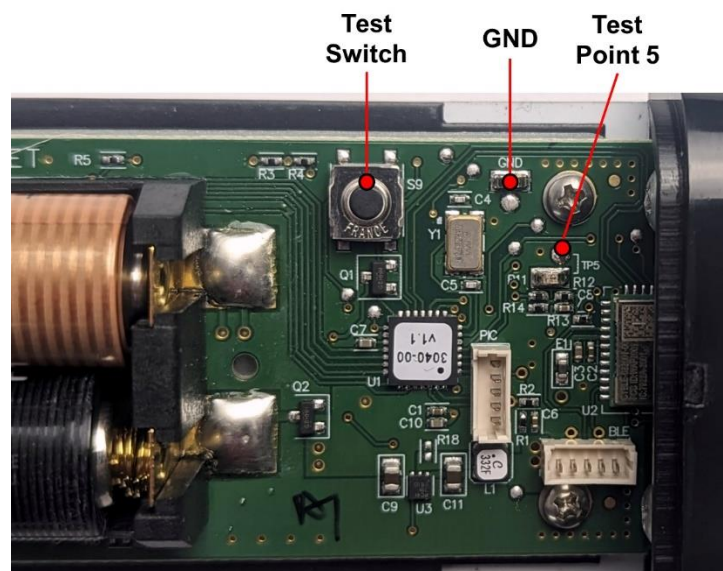

Figure 2 - Remote Control Test Point, GND, and Test Switch Button

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Remote Control Frequency Table:

Band	Speed	*Frequency (Hz)
Ka	30 MPH	3208
Ka	35 MPH	3737
Ka	55 MPH	5892
Ka	65 MPH	6961
Ka	45 KPH	2990
Ka	80 KPH	5323

* Tolerance - +/- 5 Hz

* Testing has shown no drift due to temperature

Remote control will present the proper frequencies for the processor that the remote was paired to.

NOTE:	The serial number of the remote control is found on the front switch button panel.

NOTE:	NO LED operation indicates that the batteries need to be replaced.