

- B. Connect the positive terminal of the enunciator light assembly to the aircraft electrical bus at a suitable location. The enunciator light should receive power whenever the aircraft master switch is in the "ON" position.
- C. Connect the orange wire of the low voltage control harness to the negative terminal of the enunciator light assembly.

2.4.3 Reconfirm completion of steps in Section 2.2.

2.5 INSTALLATION OF LASAR® SYSTEM WITH TACHOMETER DRIVE SIGNAL

Some aircraft tachometers receive an engine speed signal from a magnetic sensor which is installed in the magneto frame replacing the air vent. Each time a rotor magnet passes the sensor, a sinusoidal pulse is induced which is translated by the tachometer into engine RPM. Because rotors in most conventional magnetos utilize two magnets, the tachometer must be modified to correctly translate the additional pulses induced by the LASAR® system's four pole rotor magnets. The tachometer manufacturer should be contacted to determine the level of compatibility with LASAR® systems.

Other aircraft tachometers may interface with conventional magneto P-leads to receive engine speed signals. LASAR® systems, however, do not provide the same P-lead signals or wiring attachment points as conventional systems. As an alternative, the LASAR® controller generates the engine speed signal shown in Figure 2-9. This signal may be transmitted to the tachometer by connecting the brown wire in the low voltage control harness to the tachometer input terminal. Because the speed signal generated by the LASAR® controller is different than the signal transmitted through conventional ignition system P-leads, modifications to the tachometer may be necessary to correctly interpret engine RPM. The tachometer manufacturer should be contacted to determine the level of compatibility with LASAR® systems.

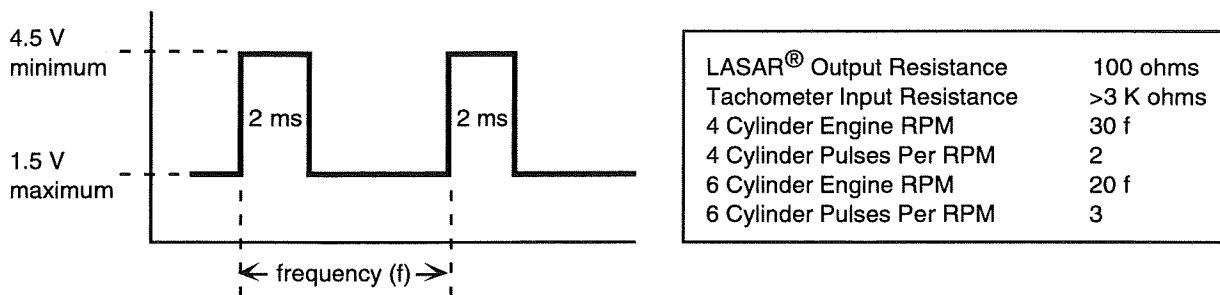


Figure 2-9
Engine Speed Signal

2.5.1 Contact the tachometer manufacturer for instrument compatibility with LASAR® systems.

2.5.2 Install Low Voltage Control Harness

- A. Install the low voltage control harness as described in Section 2.2.
- B. If the engine speed signal generated by the LASAR® controller is to be used, connect the brown wire of the low voltage control harness to the tachometer input terminal.

2.5.3 Reconfirm completion of all steps in Section 2.2.

ISSUED			REVISED		
MO	DAY	YEAR	MO	DAY	YEAR
01	18	96	06	27	97

SLICK AIRCRAFT PRODUCTS

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