MGL AVIONICS

UMA Tach Sender Instructions
As Used with an MGL Avionics EFIS

Included
22k ohm
resistor

T1A9-1 (Slick) and T1A9-2 (Bendix)

1. Remove the vent plug on either magneto. Use the vent plug that is closest to the drive side (see picture below). The other vent plug will not produce results.
2. **Install the T1A9-x into the magneto using thread locker, Loctite 242 or equivalent. Hand tighten plus 1/6th of a turn. Be careful not to over tighten and strip the magneto housing.**
3. Connect wires as follows:
   - Red or Orange/White to 12V power supply (connect to Secured Power Output at back of EFIS, together with RDAC power (Red) wire)
   - Black or Blue/White AND Braid to RDAC Ground
   - White (signal) to RPM (Rev counter) input on RDAC.
4. **Add the supplied 22k ohm pull-up resistor (included) between signal (Rev counter input on RDAC) and 12V power supply. Note: sender will not work without this.**
5. The unit provides 1 pulse per revolution on 4-cylinder, 2 pole magnetos, which are the most common. The unit provides 3 pulses per 2 revolutions (1.5 pulses per revolution) on 6-cylinder, 2 pole magnetos, which are the most common.
6. It may be necessary to remove the RDAC jumper labelled "BALLAST" to get a good reading.