WARNING SYSTEMS

VOLT AND VAC ALERT

*Provides an instantly recognizable voice warning directly in your headset if low vacuum (or pressure) or low voltage develops. * Includes a red warning light mounted close to the gyro instruments. Many aircraft are equipped with backup vacuum systems. The Volt & Vac Alert power system has failed before any of these backup systems are engaged. You must "know you have a problem before you have a problem". Volt & Vac Alert consists of a small electronic unit that can be mounted anywhere in the aircraft. It connects to aircraft voltage, instrument power (vacuum or pressure), and the electronic system. If the voltage falls below 12v or 24v the voice message "CHECK VOLTAGE CHECK VOLTAGE" will be heard. Should the gyro power fail, the pilot will hear the voice message "CHECK GYROS, CHECK GYROS" directly in his headset. The voice message will sound very loud, and then the pilot can perform a self test until the problem is fixed. The unit can be used in 12v or 24v aircraft with either vacuum or pressure gyro power systems. It can be installed in pressurized or unpressurized aircraft. Sold as a complete assembly with everything necessary for the installation except a 1 amp fuse or circuit breaker. STC’d for most general aviation aircraft

P/N 10-00393 ................. $479.95

VOICE ALERT

Whenever the existing stall horn sounds, the pilot will hear the instantly recognizable voice message "STALL, STALL" from the built in speaker, and directly in his headset. If the gear warning horn sounds, the pilot will hear the voice message "CHECK LANDING GEAR, CHECK LANDING GEAR" alerting the pilot of a misperception or confusion over which horn was sounding. These voice messages are in addition to the original horn sounds. The Voice Alert consists of a small electronic unit about 2-1/2" by 3-1/2" in size that can be mounted anywhere in the cockpit. Installed weight is less than 1 lb. Supplied is a complete kit consisting of the electronic unit, a pre-wired, color coded cable, assembly, and all the connectors and mounting hardware. Requires is a 1 amp fuse or circuit breaker. Installation can be performed by an A&P mechanic or an avionics shop. The system is approved for both fixed and retractable gear aircraft.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Price</th>
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<tbody>
<tr>
<td>VOICE ALERT 2040-1-1 produces voice messages for gear and stall warning, and can be programmed with up to 8 additional warning voices such as altitude, vacuum, fuel pressures, etc. Supplemental system only.</td>
<td>10-03713</td>
<td>$623.00</td>
</tr>
<tr>
<td>VOICE ALERT 2040-1-2 produces stall and gear voice messages from the alert's headset. Supplemental system only.</td>
<td>10-00394</td>
<td>$525.00</td>
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<tr>
<td>VOICE ALERT 2040-1-1P similar to the 2040-1-1 except approved for installation as primary replacement for existing warning units like Cessna Electronic Dual Warning units.</td>
<td>10-03714</td>
<td>$575.00</td>
</tr>
<tr>
<td>VOICE ALERT 2040-1-2P similar to the 2040-1-2 except approved for installation as primary replacement for existing warning units like Cessna Electronic Dual Warning units.</td>
<td>10-03715</td>
<td>$597.00</td>
</tr>
<tr>
<td>VOICE ALERT 2040-1 Custom Voice selected produces voice messages for gear and stall warnings, and can be programmed with up to 8 additional warning voices such as altitude, vacuum, fuel pressures, etc. Supplemental system only.</td>
<td>10-04966</td>
<td>$723.00</td>
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GEAR WARNING SYSTEM (2048)

* Provides both voice and visual warning if the landing gear is not in the correct position for either a runway landing or a water landing. * Airspeed activated, activation speed is easily set from 45 to 90 mph. * Works with aircraft having 2, 4, or 8 gear indicating lights. * Consists of a small electronic module (2.5 inch by 3.25 inch weighing less than 1 lb) that can be mounted anywhere in the aircraft, and a panel mounted switch with light. Activation speed can be increased above 45 mph. This can be used to activate a transponder, Hobbs meter etc. and, in addition, can be used to activate a transponder, Hobbs meter etc. Experimental aircraft.

P/N 11-02238 ................. $584.00

POWER GUARD BUS MANAGEMENT SYSTEM

An essential bus management circuit designed to protect power sensitive and critical electronics. Starting currents are usually high enough to cause battery voltage to drop below tolerable limits for many electronics systems. The result could leave you without engine instrumentation, and EFIS "reboots" (up to 30 seconds). Protection includes low voltage drop out and essential backup in the event of primary power loss. Filtration on the secondary supply and secondary battery charging are also an integral part of the circuit. A secondary battery is required for the Power Guard system. We recommend a 5-12 Amp battery for emergency supply. Several control modes are possible with the system allowing for installation and operational flexibility. Load Ratings: 7A continuous, 10A 10% duty. Dims: 4.75" x 2.75" x 1.2"h

P/N 11-2404...... $1535.95

AMPHIBIAN GEAR WARNING SYSTEM

Designed to provide an additional margin of safety for amphibian pilots by providing a backup electronic means of verifying landing gear position for both water and runway landing. Consists of small electronic module (about 2.5 inch by 3.25 inch weighing less than 1 lb) that can be mounted anywhere in the aircraft, and 2 panel mounted switches with lights. The system is activated by the aircraft audio system. If the gear indicating lights are not lit, the pilot can perform a self test. Can be temporarily disengaged for slow flight. As the aircraft slows below the activation speed for a landing, the landing sequence is initiated. Panel switches are marked "L" for land, and "W" for water. If the gear is in the correct position, the voice message "GEAR O.K." will be heard. If the gear is not in the proper position, the voice message "CHECK LANDING GEAR, CHECK LANDING GEAR" will be heard. This message will continue until the speed is increased above the activation speed, or the gear is placed in the proper position. When installed in aircraft having multiple gear indicating lights, the system will respond with the "CHECK LANDING GEAR" voice warning if it determines that any of the wheels are in the wrong position. Also responds with the warning if the gear indicating lights lose power. Also incorporates an airspeed activated electronic switch which closes whenever the airspeed is above 45 mph. This switch can be used to activate a transponder, Hobbs meter etc. Supplied is a complete kit consisting of the electronic module, a pre-wired, color coded connector, mounting hardware etc. The only other item required is a 1 amp fuse or breaker. STC’d for many amphibian aircraft and aircraft on amphibian floats

P/N 11-07537 ................. $795.00

GEAR ALERT SYSTEM 2050

NOTE: This system is not FAA approved. It is intended for installation in Experimental category aircraft only.

For Experimental amphibian aircraft consists of a small electronic module (2.5 inch by 3.25 inch weighing less than 1 lb), and a panel mounted switch with light. The system is airspeed activated. The activation speed can be easily set using a screwdriver. On takeoff, once the speed has exceeded the activation speed, the system activates. A time delay is built in to prevent false triggering due to speed fluctuations. The light in the switch illuminates when the system is activated. The pilot can perform a self test of the system. Disengagement mode which temporarily disengages the system for slow flight. During this mode, if the airspeed drops below 45 mph, the system automatically re-engages. The pilot can also disengage the system by pressing the switch on the switch panel. Additional modes can be added with the addition of extra switches. The switch panel is designed to be a complete kit with all mounting hardware, doubler plates, connectors and a pre-wired and tested cable assembly for fast and easy installation. 1 yr warranty. FAA Approved. STC’s for most single and twin engine aircraft including Cessna up through the 400 series, Beech up through King Air series, Piper up through the Chieftain, Mooney and others.

P/N 11-21135 .................. $1,438.00

Prices Subject to Change Without Notice