Service Newsletter

November 15, 1999

TITLE:
MAINTENANCE PRACTICES - AIRPLANEGYRO INSTRUMENTS

TO:
Cessna Distributors, Service Stations and Cessna Pilot Centers

MODELS AFFECTED
All propeller model airplanes

DISCUSSION
Flight instruments, particularly gyros, must be handled with extreme care and packaged carefully to ensure the gyro is not damaged during removal, shipment and/or installation.

It is recommended that extreme caution be used when storing, handling, transporting, removing or installing any gyro. The following precautions should be taken when handling a gyro.

1. A gyro may be damaged by moving it after electrical power, vacuum or air pressure is removed but before the gyro rotor stops. The gyro rotor will not come to a complete stop for approximately 15 minutes after electrical power, vacuum or air pressure is removed.
2. Do not remove gyro from the panel until it has stopped rotating.
3. Handle gyroswith utmost care; "Handle Like Eggs", rough handling of the gyro will cause damage.
4. Do not strike or bump the gyro or move it quickly. As an example, lifting one end of a rate gyro 3/4 inch and dropping it on a bench is equivalent to about 20g shock to the gyro.
5. When transporting gyro, even on a cart, leave the gyro in the shipping container.

All gyro returned to Cessna Warranty administration for credit must be in compliance with the following:

1. All ports and vents must be sealed and plugged
2. All original manufacturing seals must be intact and unbroken.
3. All gyro are to be carefully packaged and returned to Cessna in the same type container in which the replacement gyro was received.
4. All electrical pin connectors are to be protected by tape or other means to ensure they are not bent or broken.

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