

TELEDYNE CONTINENTAL[®] IGNITION SYSTEMS
MANDATORY
service bulletin

No. 636

Technical Portions Are
FAA Approved

August 1992

SUBJECT:	Bendix/TCM Ignition Switch Inspection
REASON FOR BULLETIN:	To provide inspection procedures and to promote continual switch integrity.
EQUIPMENT AFFECTED:	All Key Type Ignition Switches and Spare Keys

Compliance:

1. Immediate - At pre-flight run up PRIOR TO THE NEXT FLIGHT after receipt of this service bulletin for all affected equipment.
2. As an additional safety measure, it is recommended that the switch be tested as described in this bulletin at all subsequent pre-flight or pre-maintenance engine run-ups for all affected equipment.

General Information:

Field reports indicate that it is possible that some switches might allow removal of the key between the "R" and "Off" detent positions in such a manner that the Right Magneto is not grounded when the key is removed. This can cause a hazardous "Hot Magneto" condition.

NOTE 1

If this condition is discovered, immediate switch replacement is recommended. Until switch can be replaced, magneto grounding circuit may be secured following engine shut down by insuring that the switch is in the full counterclockwise "Off" position detent before removing the key.

NOTE 2

Test must be repeated for each existing spare key and for all field-duplicated keys.

Detailed Instructions:

1. With engine running at idle, slowly rotate ignition switch counterclockwise from "R" position while gently pulling outward on the key. If the key can be removed and the engine continues to run, the switch should immediately be replaced.
2. Optional test with switch removed or disconnected from the magnetos: Connect a continuity lamp or ohmmeter across terminals marked "R" and "GND" on switch support. Slowly rotate ignition switch from "R" position counterclockwise while gently pulling outward on the key. If the key can be removed without continuity between "R" terminal and "GND" terminal, switch should immediately be replaced.
3. Upon compliance with this immediate inspection requirement, make an Airframe Logbook entry indicating compliance method and inspection results.

Warranty:

Up to 1.0 hour labor will be allowed for each installed switch replaced under warranty.