



# AVIATION TECHNICAL BULLETIN

Champion Spark Plug Company

P. O. BOX 910, TOLEDO, OHIO 43601

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ROUTE TO	
SERVICE MANAGER	
SALES MANAGER	
BULLETIN BOARD	

## SUMMER IS HERE !!

Use this checklist to get the customers' and your airplanes ready for summer flying:

- 1** Change to heavier oil, if recommended by engine manufacturer.
- 2** Remove engine winterization baffles. Remove and check oil cooler to assure cleanliness and good circulation. (Cold weather operation tends to sludge up coolers.)
- 3** Check carburetor heat control to be sure it is operating properly and working throughout its entire range. Remember, carburetor icing occurs even during summer weather.
- 4** Check carburetor air inlet or mixture temperature gauge if installed in your aircraft. They warn of carburetor icing conditions and help you keep engine operating at maximum efficiency.
- 5** Check air frame interior and control surfaces for damage or presence of foreign materials. Check all fabric surfaces for condition and possible hidden damage. Check control cables and pulleys for condition and proper operation.
- 6** Check cabin heater and heat controls. (A carbon monoxide leak can be just as deadly in summer as in winter.)
- 7** Check battery, cables, terminals, generator and voltage regulator. Battery terminal connections should be clean and tight. (You need a reliable electrical system to support top radio performance.)

### WHERE APPLICABLE --

- 8** Check magnetos for condition of breaker points and correct timing. Check magneto impulse couplings for proper operation and lubrication or check ignition starting booster system for proper operation. Check condition of ignition leads and spark plug terminal connectors for cleanliness. Check terminal connector seals for adequate sealing capability.
- 9** Remove spark plugs and check condition. Plugs should be thoroughly cleaned (both firing and terminal ends), and gapped to the latest industry standard. Replace plugs if badly worn. Check cylinder bore for signs of rust. Remove deposits from the spark plug bushing shelf and threads prior to reinstalling plugs.
- 10** Clean fuel screens and drain fuel tank sump to assure that no water or contaminants are present.
- 11** Make ground run-up check on engine to assure proper operation. On aircraft with governor controlled props, check engine manufacturer's recommendations for determining correct take-off RPM setting.
- 12** Check tires for condition and proper inflation. Check brakes for proper operation. (Remember, your landing speeds are faster in warm weather.)

It may help your customer to let him review the above checklist also.

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