



Pilot's Operating Handbook
and
Flight Training Supplement

Tanis Preheat System
for
Cessna Model 162
Skycatcher

Serials 16200001 and on

Supplement TPG2884
Tanis Preheat System

SERIAL NO. _____

REGISTRATION NO. _____

This supplement must be inserted into Section 9 of the Pilot's
Operating Handbook when the Tanis Preheat system is installed.

02/21/2012

APPLICATION

The engine mounted preheat system described in this supplement is designed specifically for the Cessna 162 Skycatcher with a Continental O-200-D engine.

This supplement must be attached to the approved Pilot's Operating Handbook when the system is installed. The information contained herein supplements or supersedes the Pilot's Operating Handbook only in those areas listed.

LOG OF EFFECTIVE PAGES

The latest revision of this document is indicated by the highest revision number as listed below in the Revision History. All pages are revised when any page is changed so that all pages maintain the same revision level.

REVISION HISTORY

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TANIS PREHEAT SYSTEM

SECTION 1: GENERAL

The Tanis Preheat System is powered by ground/shore power and is not used in flight. Power requirements are identified by power plug type, placards, and Flight Manual Supplements. Systems are available in nominal voltages of 115 Volts AC, or 230 Volts AC, plus or minus 10%.

The system is comprised of a threaded heat element installed on each cylinder assembly, a flexible heating element bonded to the oil tank, a power plug, circuit protection, an indicator light, and an interconnecting cable assembly.

The system is designed for continual operation in all weather and temperature conditions while on the ground in standby status. For the system to be of maximum benefit when temperatures are at or below 4°C (40°F), it should be in continual use for a minimum of 6 hours before engine start. In extreme climates the use of engine plugs and insulated engine covers is recommended.

Refer to the Pilot's Operating Handbook for specific instructions that apply to your aircraft regarding cold weather operation. Cold weather operating procedures can also be found in Continental Service Information Letter SIL03-1.

SECTION 2: OPERATING LIMITATIONS (PLACARDS)

One of the following placards, appropriate for the system voltage, must be displayed on the inside of the oil fill door:



SECTION 3: EMERGENCY AND MALFUNCTION PROCEDURES

The system should have power removed if any malfunctions occur and should be repaired by a competent appropriately rated and certified mechanic with airframe and power plant experience in this type of aircraft.

SECTION 4: NORMAL PROCEDURES

PREHEAT OPERATION

Approximately 6 hours before flight connect the preheat system as follows:

1. Open the oil fill door on the top cowling to access the system power plug.
2. Plug the male end of an extension cord into a 115 volt receptacle or 230 volt receptacle depending on voltage requirement.
3. Plug the receptacle end of the extension cord into the preheat system plug located near the oil fill tube.
4. Look at the indicator light located near the power plug. If it is glowing red, the preheat system is energized.
5. Allow adequate time for preheat depending on ambient conditions.

The system is not designed to cycle on and off and should not be controlled by a thermostat or timer.

BEFORE AIRCRAFT OPERATION

1. Remove the insulated engine cover, cowl plugs and prop cover (if used).
2. Unplug the extension cord from the flush mount plug on the aircraft.
3. Close and latch the oil fill door in the top cowling.

AFTER AIRCRAFT OPERATION

As soon as is practical, install cowl plugs and engine covers per manufacturer's instructions. The preheat system may be plugged in immediately after flight.

SECTION 5: PERFORMANCE

No change from the Pilot's Operating Handbook.

SECTION 6: WEIGHT AND BALANCE DATA

Actual weight and balance changes shall be determined after the Tanis Preheat System is installed; it is the operator's responsibility to verify that empty weight C.G. remains within allowable limits.

SECTION 7: AIRPLANE AND SYSTEM DESCRIPTION

No change from the Pilot's Operating Handbook

SECTION 8: HANDLING, SERVICE AND MAINTENANCE

Refer to Document #TCA2884 titled "TANIS PREHEAT SYSTEM -MAINTENANCE PRACTICES"

ELECTRICAL REQUIREMENTS

115 Volt Systems ($\pm 10\%$)

240 Watts
2.08 Amps

230 Volt Systems ($\pm 10\%$)

240 Watts
1.04 Amps

Tanis Aircraft Products
www.TanisAircraft.com

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