



Turboprop INC.

FAA APPROVED
 PILOT'S OPERATING HANDBOOK SUPPLEMENT FOR
 PA-28-201T, PA-28R-201T AND PA-28-RT-201T
 STC SA2145NM

This supplement must be attached to the Pilot's Operating Handbook when the SGH-Turboprop Intercooler is installed. The information contained herein supplements or supersedes the basic Pilot's Operating Handbook only in those areas listed herein. For limitations, procedures and performance information not contained in this supplement, consult the basic Pilot's Operating Handbook.

I. LIMITATIONS:

No changes to the basic limitations provided in this section of Pilot's Operating Handbook are necessary for this supplement.

II. PROCEDURES:

Emergency Procedures: No changes to basic emergency procedures in this section of Pilot's Operating Handbook are necessary for this supplement.

Normal Procedures: To obtain manifold pressure setting for a given horsepower: First determine MP at RPM, from Piper power chart. Then reduce MP 1/2" for every 10 degrees F of cooling as shown on "Engine Air Cooling" gauge.

Example: If gauge reads (-80), reduce chart MP 4". Example: The amount of cooling (STD. Day at S.L.) during takeoff run will generally be -75 degrees F, so, 36% will produce T.O. power, rather than the 40% required without an intercooler.

General Operating Notes:

1. If "Engine Air Cooling" gauge indications are lost, normal standard day (75% power) cooling values are:

	DEGREES F
S/L Takeoff	- 70
5,000'	- 75
10,000'	- 80
15,000'	- 85
20,000'	- 90

Reduce Manifold Pressure Accordingly.

2. If engine air cooling indications become abnormal or erratic, intercooler system should be checked for pressure leakage. If: If (we clamps, hoses, fittings, turbocompressor seals, etc.

III. PERFORMANCE:

The changes to the basic performance Section of Pilot's Operating Handbook are necessary for this supplement.

FAA APPROVED: 

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