



Turboplus Aircraft Systems, Inc.  
4117 35<sup>th</sup> Ave NW  
Gig Harbor, WA 98335  
(253) 851-1769 Office  
(800) 544-0169  
[www.turboplus.com](http://www.turboplus.com)

# PIPER SENECA II & III

## INTERCOOLER BENEFITS

- Up to 83°C/150°F Induction Air Temp. Drop
- Extended Engine Life
- Lower Maintenance Costs
- Full Take-off Power on HOT Days - High Altitude Airports
- FUEL SAVINGS up to 15%
- Extended Range
- Same H.P. with Less M.P.
- Cooler CHT and Oil Temps Allows Engine Operation Farther from Point of Detonation
- Engine Critical Altitude Increased

## PRESSURIZED MAGNETO KIT BENEFITS

- Reduces High Alt Misfiring
- Reduces Possible Engine Damage Due to Misfiring

## 220 H.P. CONVERSION KIT

- 180 Pound Gross wt Increase!
- Note:
- 1800 Hour Engines Only
  - Must Have Pressurized Magneto Kit

## INTERCOOLER KIT

- Intercooler with Charge Air Cooling Plenums
- New Turboplus Induction System with Automatic Alternate Air Door
- NACA Ducts & Templates
- Engine Intercooler Gauge-3 Temps.
  1. Compressor Discharge Temp.
  2. Charge Air Temp.
  3. Differential Temp.
- Certified Hardware
- Custom Intercooler Hoses
- Turboplus and FAA Documents

## KIT INCLUDES

- Certified Hardware
- New Hose Assemblies
- Fuel Filter
- Magneto Fittings
- Hydraulic Fittings

## PARTS INCLUDED IN KIT (Overhauled)

- New Fuel Injectors
  - New Fuel Pump
  - New Throttle Body
  - New Flow Divider
- (Above parts are on exchange basis. Core charge applies.)

## LABOR HOURS

- Estimated 50 Hours Installation

## CALL FOR PRICES

- Estimated 4 Hours Installation

## CALL FOR PRICES

- Estimated 8 Hours Installation  
(Core charges varies by Vendor)

Seneca II - KB Engine Installation, Increases Maximum Weights. View STC: SA1797NM for Complete Details.

Before any aircraft is accepted for a Turboplus intercooler installation an extensive "flight test" is performed to determine and record the critical engine altitude, oil and cylinder head temperatures and fuel flows at given power settings. Any discrepancies that might affect the efficiency of operation of the Turboplus intercooler are noted. After installation, another "flight test" ensures that engine and aircraft performance adhere to Turboplus Aircraft Systems, Inc. high standards. Post modification flight test data provides a direct "Before and After" comparison of the dramatic improvement in aircraft performance and engine operation