



SERVICE LETTER

No. 556A

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

(Supersedes Service Letter No. 556)

September 21, 1970

Reason for Revision: Reduced number of affected aircraft (reference Serial Numbers Affected, below).

Subject: Turbocharger Waste Gate Return Spring

Models Affected: PA-30 Twin Comanche (Factory Turbocharger Only)
PA-39 Twin Comanche C/R (Factory Turbocharger Only)

Serial Numbers Affected: 30-1617 to 30-2000 incl. (Factory Turbocharger Only)
39-1 to 39-74 incl. (Factory Turbocharger Only)

Compliance Time: Recommended at the next 100 hour inspection.

Purpose: To replace the existing turbocharger waste gate return spring with a new heavy duty return spring.

Instructions: Replace the existing waste gate return spring with new waste gate return spring, Rajay part number RJ 4120-11, refer to sketch on reverse side of this letter for installation instructions.

Material Required: Two (2) each (per aircraft) Rajay part number RJ 4120-11 waste gate return spring.

Availability of Parts: Piper Dealer (See NOTE, below).

Material Allowance: Two (2) each (per aircraft) Rajay part number RJ 4120-11, waste gate return springs; comply with Rajay warranty procedure.

Labor Allowance: Not applicable.

Disposition of Parts in Stock:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Code</u>
RJ 4120-0	Return Spring-Waste Gate	C; comply with Rajay warranty procedure.

Disposition of Replaced Parts:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity Per Aircraft</u>	<u>Code</u>
RJ 4120-0	Return Spring-Waste Gate	Two Each	C

NOTE

PIPER DISTRIBUTORS: Requirements for the items specified in Material Required, above, are to be ordered from Rajay Industries, Inc., P. O. Box 207, Long Beach, Calif. 90801.

● INSTRUCTIONS

1. Pull turbocharger controls to the OFF position.
2. With side and bottom cowl panels removed, remove the existing turbocharger waste gate spring.
3. Install new turbocharger waste gate spring, RaJay Part Number RJ4120-11, being careful to install center tang in hole 180° to hole from which old spring was removed.
4. Place turbocharger waste gate spring on spring retainer as shown.
5. Actuate turbocharger controls to determine spring winds and unwinds freely.
6. Reinstall cowl.

