



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. 0103

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DATE: May 3, 2007

1. SUBJECT: Inspection Of Turbocharger Bypass Tube
2. MODEL: F-28C and 280C
3. EFFECTIVITY: All serial numbers
4. BACKGROUND:

While investigating a 280C accident, the investigating authority found that the turbocharger bypass tube did not have a restrictor orifice plug installed. While not a causal factor in the accident, the aircraft should have been equipped with a restrictor bypass tube.

The restrictor bypass tube was first installed in the F-28C/280C in June, 1977, for increased performance at high density altitudes and incorporated into production aircraft at that time. The accident aircraft was originally a 280 and converted to a 280C in August, 1978. The conversion was not performed by Enstrom and no records were available to determine if the restrictor bypass tube was installed at that time.

This Service Directive Bulletin (SDB) requires a one time inspection of the bypass tube for the restrictor plug and replacing any bypass tube that does not have the restrictor plug.

5. COMPLIANCE:

At or before the next 100 hour/annual inspection, inspect the bypass tube to determine if it is equipped with a restrictor plug. If the bypass tube does not have a restrictor plug, replace the bypass tube with an airworthy restrictor bypass tube, P/N 28-125017-1.

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5.1. INSPECTION:

NOTE

Perform all maintenance in accordance with the applicable maintenance manual for the aircraft model.

- A. Using an inspection mirror and suitable light source, inspect the bypass tube for the restrictor plug (Figure 1) via the exhaust tail pipe.
- B. If the bypass tube does not have the restrictor plug, replace the bypass tube with an airworthy restrictor bypass tube, P/N 28-125017-1.

5.2. PARTS:

Description	Part Number	Quantity
Bypass Tube Assembly	28-125017-1	1 Ea

Scrap bypass tubes that do not have restrictor plugs by crushing the tubes.

6. SPECIAL TOOLS: None

7. ESTIMATED MAN-HOURS:

.1 Man-hours for the inspection. 1 Man-hour if replacing the bypass tube.

8. WARRANTY: None

9. WEIGHT CHANGE: None

10. LOG BOOK ENTRY:

Enter compliance with this Service Directive Bulletin in the aircraft maintenance records.

11. REPETITIVE INSPECTIONS: None

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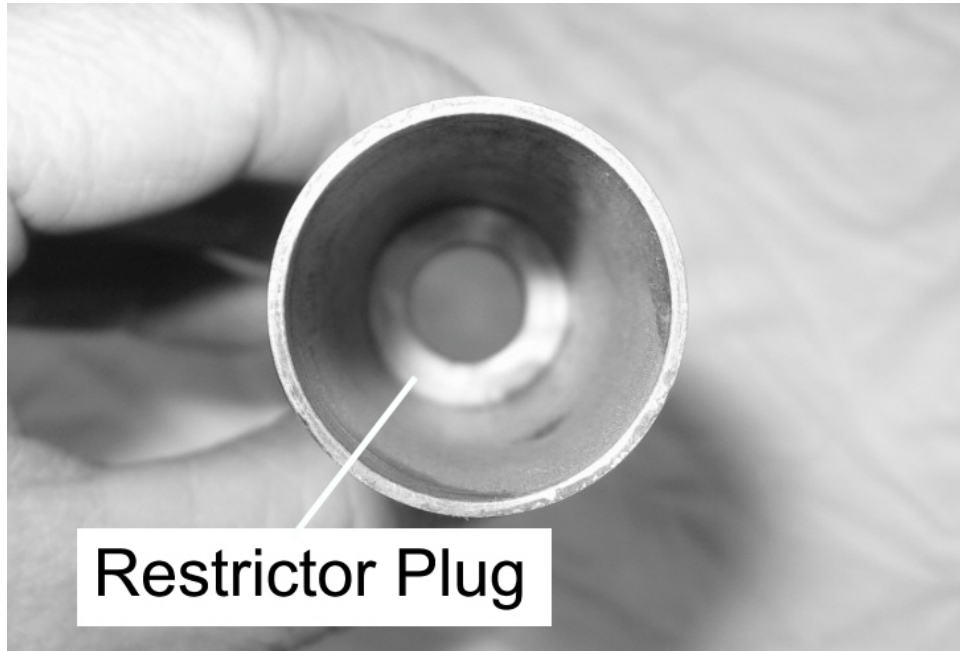


Figure 1

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