



SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0154

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DATE: September 5, 2002

1. SUBJECT: Starter Circuit Wiring Modification
2. MODEL: F-28F, 280F, and 280FX
3. EFFECTIVITY: All serial numbers
4. BACKGROUND:

Enstrom has received several technical support calls concerning problems starting the engine after installing STC approved “hi-speed” starters. Enstrom determined that the starter wiring configuration can be modified to improve the starting characteristics.

This Service Information Letter provides instructions for modifying the starter circuit wiring and equipment.

5. COMPLIANCE:

At owner/operator option, modify the starter circuit wiring and equipment in accordance with paragraph 5.1.

- 5.1. MODIFICATION:

- a. Remove wire 23-3 from terminal 2 of the start relay (RL2). Remove the terminal from the end of the wire and install a new terminal (P/N BB-837-10 or equivalent). Install wire 23-3 on the start relay coil terminal (terminal 4) along with wire 23-2A (Refer to Figure 1).
- b. Aircraft equipped with a 24 volt electrical system: Remove the starter switch from the pilot’s collective stick. Disconnect the pushbutton switch from the wiring and install a new switch (P/N 30-1UL). Install the starter switch into the pilot’s collective stick.
- c. Aircraft equipped with a 24 volt electrical system: Determine the rating of the “START” or “IGNITION” switch/circuit breaker in the switch panel. If the

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switch/circuit breaker has a 7½ amp rating, no further action is required. If the switch/circuit breaker has a 5 amp rating, remove the switch/circuit breaker and install a 7½ amp rated switch/circuit breaker (P/N 7270-1-7½ “toggle” type for F-28F & later 280FX models; P/N 20TC2-AA-7½ “rocker” type for 280F & early 280FX models).

5.2. PARTS:

| Description | Part Number | Quantity |
|------------------------|-------------------------|-------------------------------|
| Terminal | BB-837-10 or equivalent | 1 each |
| Switch | 30-1UL | 1 each (as required) |
| Shrink Tubing | 3028 3/32 or equivalent | 3 inches/7.5 cm (as required) |
| Switch/Circuit Breaker | 7270-1-7½ | 1 each (as required) |
| Switch/Circuit Breaker | 20TC2-AA-7½ | 1 each (as required) |

6. SPECIAL TOOLS: N/A

7. MAN-HOURS:

.5 Man-hours if only relocating wire 23-3. 2.0 Man-hours to incorporate all the modifications.

8. WARRANTY: Per Enstrom Warranty Policy

9. WEIGHT CHANGE: N/A

10. LOG BOOK ENTRY: Enter compliance with this Service Information Letter.

11. REPETITIVE INSPECTION: N/A

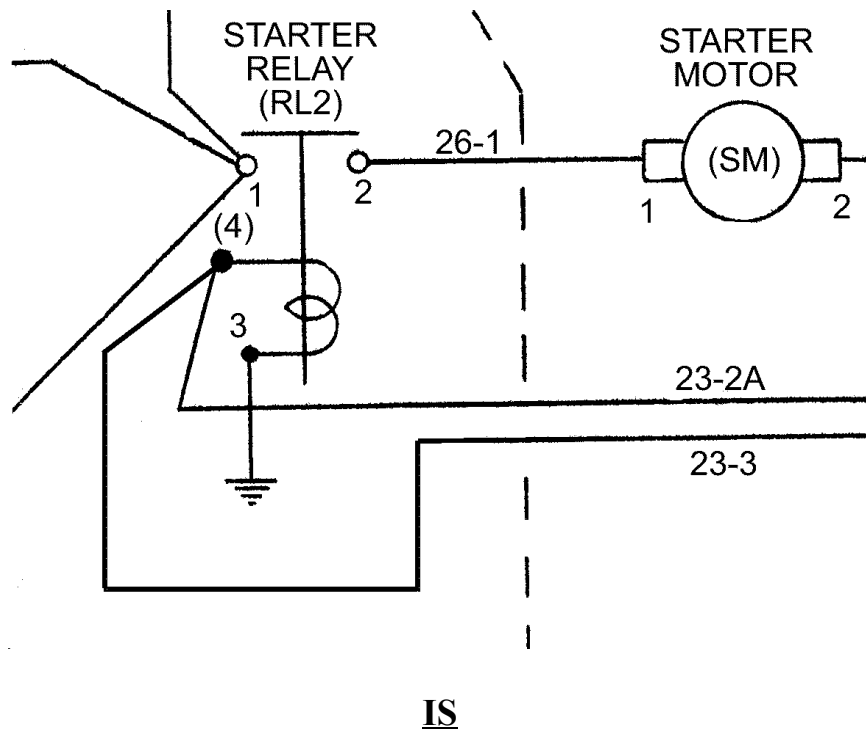
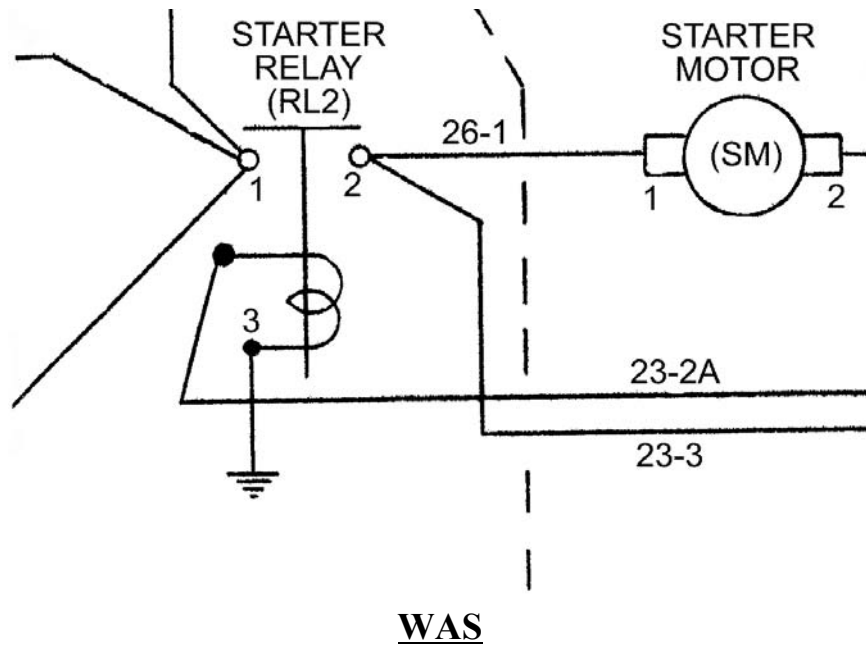


Figure 1.