



SERVICE INFORMATION LETTER

SIL T-053
Revision 1
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DATE: September 22, 2015

1. SUBJECT: Teledyne Gill 7641-20 VRLA (Valve Regulated Lead Acid) Battery
2. MODEL: 480 and 480B
3. EFFECTIVITY: All serial numbers
4. BACKGROUND:

Enstrom has certified the Teledyne Gill 7641-20 VRLA battery for installation into Enstrom 480 and 480B aircraft. Enstrom is offering the 7641-20 VRLA battery as an option to the existing Teledyne Gill G-641 lead acid battery based on the following advantages:

- No acid fumes emitted during operation
- Reduced inspection and maintenance (no need to check electrolyte level)
- Not considered HAZMAT (hazardous material) so shipping costs are reduced
- Similar size allows direct replacement without any modifications
- Increased electrical capacity

This Service Information Letter (SIL) offers the 7641-20 VRLA battery as an option to the existing G-641 battery and provides references to the applicable Enstrom Technical Publications for maintenance and operational aspects.

5. COMPLIANCE:

At owner/operator option, the 7641-20 VRLA battery may be installed in 480 and 480B aircraft.

Maintenance and operational requirements of the 7641-20 battery are as follows:

5.1 The 7641-20 VRLA battery is to be maintained in accordance with the following:

- TH-28/480 Series Maintenance Manual (Revision 18 or later revision) Paragraph 4-45, Checklist Item 17, A-E; and Paragraphs 6-27 through 6-31

NOTE: Prior to installation, weigh the VRLA battery and record the result for the weight change calculation (para. 10).

NOTE: In addition to checklist items 17, A-E, inspect the battery vent tubes for condition, security, and clear of obstructions at every 100 hour/annual inspection.

5.2 The 7641-20 VRLA battery is to be operated in accordance with the following:

- 480 Rotorcraft Flight Manual (28-AC-022, Revision 19 or later revision)
- 480B Rotorcraft Flight Manual (28-AC-023, Revision 20 or later revision)

6. PARTS: Teledyne Gill 7641-20 VRLA Battery

7. SPECIAL TOOLS: None

8. MAN-HOURS: 10 minutes (Removal, Reinstallation, and Update Weight and Balance)

9. WARRANTY: N/A

10. WEIGHT CHANGE:

Weigh the previously installed battery and subtract the weight of the VRLA battery. The weight change should approximate ± 2.5 lbs.

11. LOG BOOK ENTRY: As required for maintenance actions

12. REPETITIVE INSPECTIONS: As required in Section 4 of the maintenance manual