

STARTER/GENERATOR - CLEANING/PAINTING

1. General

- A. This section has the cleaning/painting procedures for the starter/generator.

2. Starter/Generator Cleaning

A. Exterior Cleaning.

- (1) Raise the upper cowl doors to get to the starter/generator. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.
- (2) Remove all external power from the airplane, make sure the battery switch is in the OFF position, and disconnect the battery from the airplane electrical system.
- (3) Exterior cleaning of the starter/generator may be accomplished by wiping the surface with a damp cloth. Use solvent (Federal Specification MIL-PRF-680 or equivalent) if needed. Refer to Chapter 20, General Solvents/Cleaners - Maintenance Practices.
- (4) Lower the upper cowl doors to get to the starter/generator. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

B. Interior Cleaning.

- (1) Raise the upper cowl doors to get to the starter/generator. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.
- (2) Clean armature and stator by blowing dust and foreign material from the armature and inside stator with compressed air limited to 40 psi (275.8 kPa).
- (3) Lower the upper cowl doors to get to the starter/generator. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

3. Starter-Generator Splines Cleaning

A. General

- (1) This task provides the procedures to perform a cleaning/inspection of the starter-generator splines.

B. Tools and Equipment

- (1) 10X Magnifying Glass
- (2) Solvent (MIL-PRF-680 or equivalent).

C. Access

- (1) Remove the left and right upper cowling doors. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

D. Complete a Cleaning/Inspection of the Starter-Generator Splines.

- (1) Remove the starter-generator. Refer to Chapter 80, Starter/Generator - Maintenance Practices.
- (2) Clean the starter-generator splines by wiping the splines with a damp cloth. Use solvent (Federal Specification MIL-PRF-680 or equivalent) if needed.
- (3) Examine for evidence of electrical arcing damage (in the form of pitting) using a 10X magnifying glass.

NOTE: If there is any evidence of arching on the starter-generator drive splines, refer to Cessna SNL07-16 and P&WC S.I.L. NO. Gen-PT6-024 for additional information and inspection requirements.

- (4) Install the starter-generator. Refer to Chapter 80, Starter/Generator - Maintenance Practices.

E. Restore Access

- (1) Install the left and right upper cowling doors. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.