

SERVICE BULLETIN No. 23 SKY INTERNATIONAL INC.

DATE: 27 March 2008

REVISION: IR

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AIRCRAFT: Husky A-1B's equipped with Lycoming O-360A1P engines.

ACTION REQUIRED WITHIN 90 DAYS

Engineering Data is FAA Approved

1-EFFECTIVITY

Serial numbers 2383 thru 2392, 2394 thru 2405, 2408, 2410, 2412 thru 2415, 2418, 2419, 2421, 2422, 2424, 2425, 2427, 2429 thru 2432, and 2434 thru 2436.

2-PURPOSE

To notify the above specified Husky aircraft owners that the alternator on their aircraft possibly has a shroud that needs to be removed.

3-BACKGROUND

Some O-360 A-1P engines received from Lycoming were supplied with ALX8521LS, 70 amp alternators with a cooling shroud installed on the rear of the alternator. Since the aircraft has no provisions to connect the cooling shroud to an external air source, the cooling shroud must be removed in order for the alternator to dissipate heat properly.

4-COMPLIANCE METHODS

- 1- Inspect aircraft and verify installed alternator model.
- 2- Aircraft equipped with ALX8521LS alternator with a cooling shroud installed on the rear of the alternator requires the cooling shroud be removed (See page 4, Figure 2 for cooling shroud location). To remove cooling shroud follow Accomplishment Instructions below.
- 3- Aircraft equipped with alternators ALX6521LS-1 or ALY8520LS requires completion and submittal of compliance letter only. (See Page 5).

5- ACCOMPLISHMENT INSTRUCTIONS*

The following steps take no longer than 1 hour and 30 minutes to accomplish.

- 1- Disconnect Battery.
- 2- Undo 4 camlocks on both cowl doors and lift up doors. (Figure 1)
- 3- Remove lower cowl. (Figure 1)
- 4- Loosen clamp on scat hose. (Figure 2)
- 5- Push scat hose with clamp attached out of the way. (Figure 2)
- 6- Shroud is attached to back of alternator with 4 screws. Remove 4 screws and shroud. It is not necessary to remove any wires. (Figure 2)
- 7- Reattach scat hose and tighten clamp.
- 8- Reinstall lower cowling.
- 9- Close doors and lock shut with camlocks.
- 10- Hook battery back up.
- 11- Document compliance to service bulletin in aircraft logbook and complete compliance letter instructions and submit.

*** NOTE 1: Only government authorized repairmen should perform the instructions.
It is the responsibility of the owner/operator to have government authorized repairmen perform this work.**

FIGURE 1

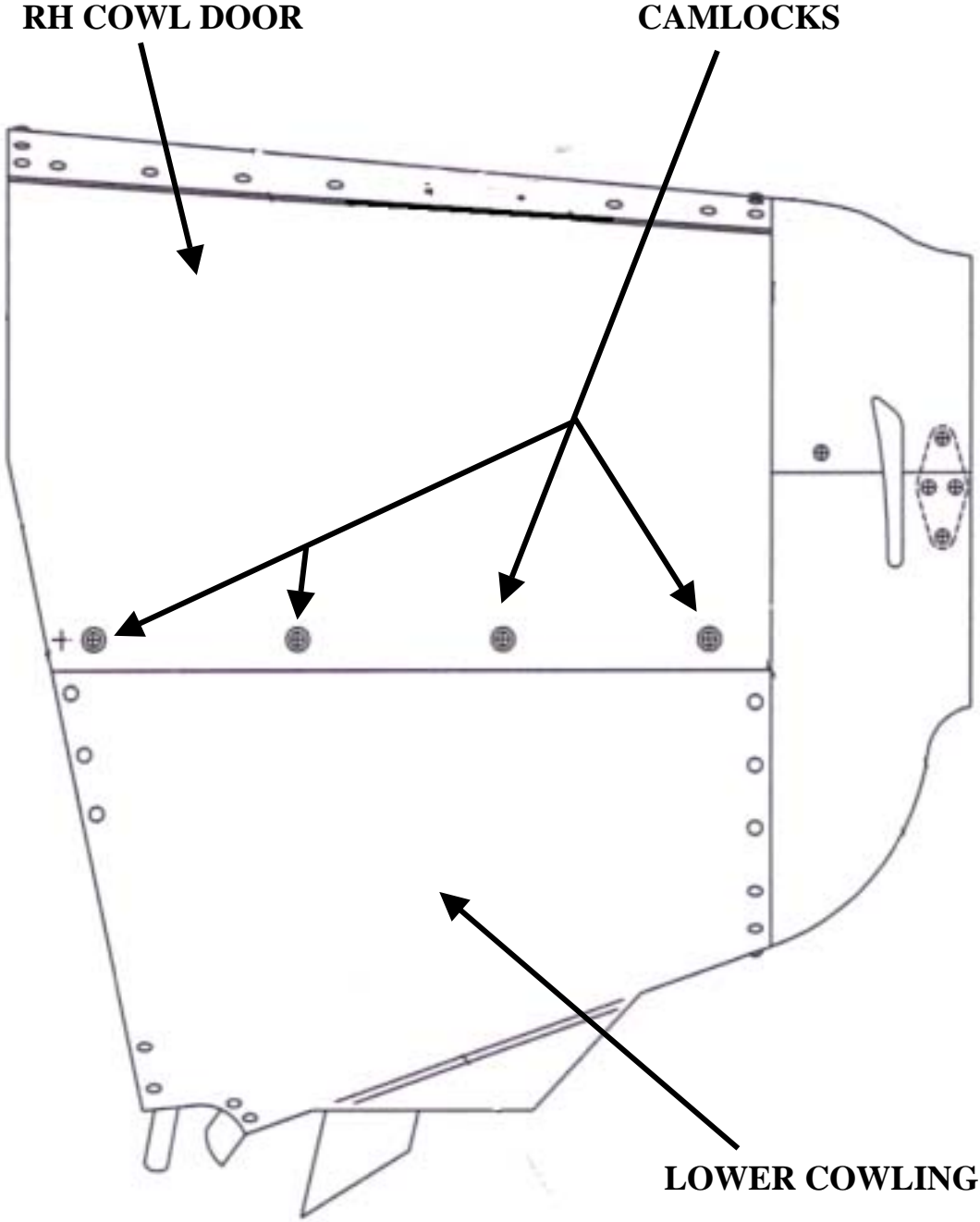
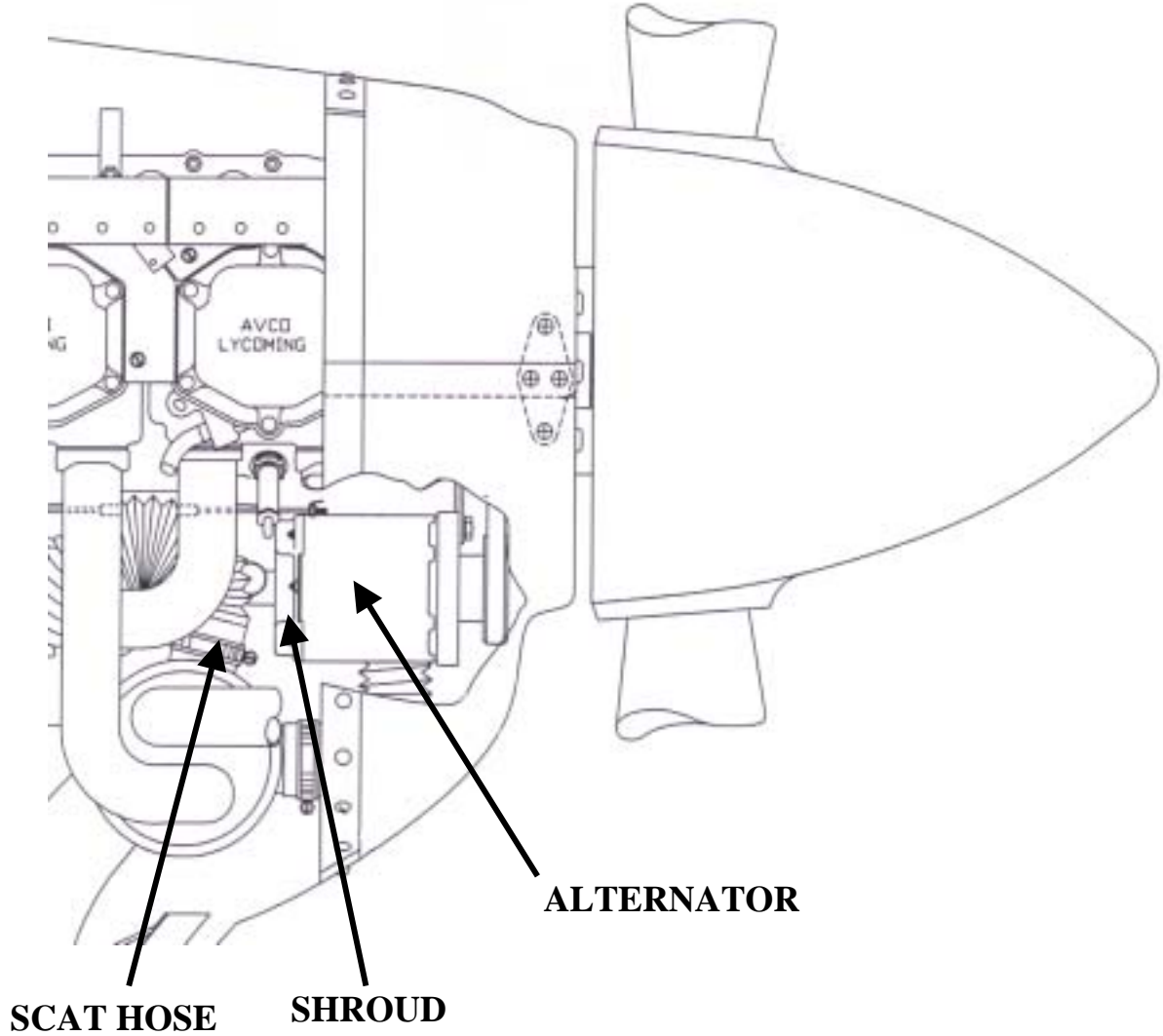


FIGURE 2



COMPLIANCE LETTER

This is to certify that I have inspected the alternator on Aircraft Serial
Number _____, Registration Number _____, in accordance with
Service Bulletin No. 23 and found the following results.

Alternator model: _____

Shroud removed _____ Shroud not removed _____

Date: _____ Aircraft Hours: _____ Hours

Signed: _____

Return completed letter to:

Engineering
Aviat Aircraft Inc.
P.O. Box 1240
Afton, WY 83110
Fax: 307-885-9674

Send copy to:

Federal Aircraft Administration
Denver Aircraft Certification Office
Attn: Roger Caldwell
26805 East 68th Avenue, Room 214
Denver, CO 80249-6361
Fax: 303-342-1088