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## SERVICE BULLETIN

### HUSKY A-1

DATE: 20 August 1997

SERVICE BULLETIN NO.12  
Engineering aspects approved by FAA

SUBJECT: Engine Mount  
P.N. 35016-501

1. EFFECTIVITY

Husky A-1 aircraft serial numbers 1001 - 1135, and 1137 - 1243.

2. PURPOSE

To inspect the engine mount for cracks in the upper engine bolt area.

3. BACKGROUND

There have been reports of cracked engine mounts on Husky A-1 aircraft equipped with the conical engine mount used with the Textron-Lycoming O-360-C1G engine (A/C serial numbers 1001-1135 and 1137-1243). No aircraft equipped with the dynafocal mount have reported any problems. In addition, all reports have been on Huskys used for glider towing.

4. INSPECTION

All Husky owners with the conical engine mount are requested to perform a visual inspection of the engine mount in the area of the two upper engine bolts (Reference Figure 1). If no cracks are found, this inspection should be performed every 25 hours. The inspection area is easily accessed by opening the engine compartment cowl doors. Owners who are glider or banner towing should inspect as part of the normal preflight. Engine mount cracking is characterized by a sudden reduction in engine vibration transmitted to the airframe. If this occurs immediately perform an inspection and repair if necessary.

5. REPAIR

A cracked engine mount should be repaired using the split tube method of AC 43.13-1A.

Then a gusset formed from .05" thick normalized 4130 steel sheet should be added as shown in Figure 2. Be certain the split tube extends beyond the end of the gusset.

*Lenard Frank*

Lenard Frank  
Aircraft Structures Engineer  
Aviat Aircraft Inc.

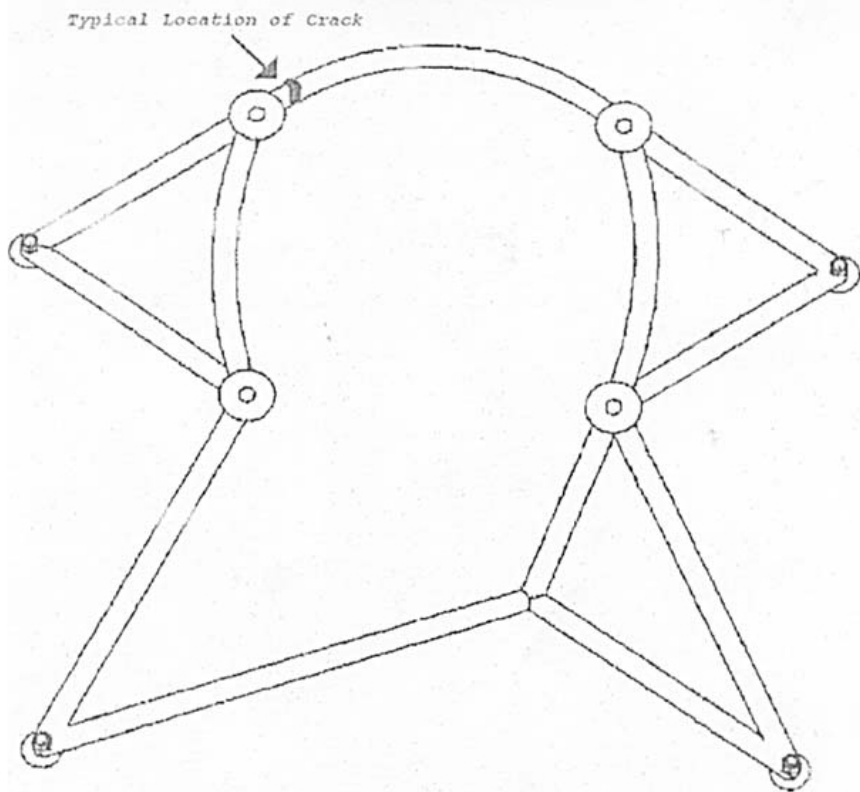
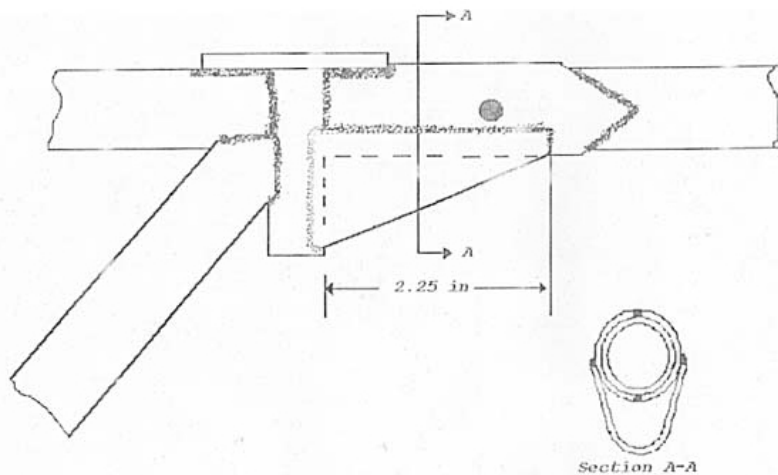


Figure 1  
Engine Mount 35016-501

Figure 2  
Repair



### COMPLIANCE LETTER

This is to certify that I have inspected the engine mount on Husky A-1, serial number \_\_\_\_\_, registration number \_\_\_\_\_ in accordance with Service Bulletin No. 12, with the following results

Cracks found:

left side: YES \_\_\_\_\_  
NO \_\_\_\_\_

right side: YES \_\_\_\_\_  
NO \_\_\_\_\_

Date: \_\_\_\_\_ Aircraft total time \_\_\_\_\_ hrs.

How is the aircraft used (glider towing, general, etc...)? \_\_\_\_\_

Signed by \_\_\_\_\_

Return one copy to: Chief Engineer  
Aviat Aircraft Inc.  
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Fax # (307) 886-9674

and second copy to: FAA-Denver Aircraft Certification Office  
5440 Roslyn Street, Suite 133  
Denver, CO 80216  
Attn: Roger Caldwell, Project Manager  
Fax # (303) 286-5689