



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

**Service Difficulty Report  
AERONAUTICAL EQUIPMENT**

**FORM APPROVED**  
OMB No. 2120-0663 Exp. 10/31/2013

|                |      |
|----------------|------|
| RIS- WS 8070-1 |      |
| Control No.    |      |
| ATA            | Code |

**MAJOR EQUIPMENT IDENTITY**

|                      |              |              |               |    |
|----------------------|--------------|--------------|---------------|----|
| Enter pertinent data | MANUFACTURER | MODEL/SERIES | SERIAL NUMBER | N- |
| AIRCRAFT             |              |              |               |    |
| POWERPLANT           |              |              |               |    |
| PROPELLER            |              |              |               |    |

**PROBLEM DESCRIPTION**

|                                             |                    |                   |                      |               |    |             |
|---------------------------------------------|--------------------|-------------------|----------------------|---------------|----|-------------|
| DATE                                        | STATUS             | CARRIER           | ATA                  | AIRCRAFT TYPE | N- | CONTROL NO. |
| TEXT                                        |                    |                   |                      |               |    |             |
| SPECIFIC PART CAUSING PROBLEM               |                    |                   |                      |               |    |             |
| PART NAME                                   | MFG. PART NUMBER   | PART CONDITION    | PART/DEFECT LOCATION |               |    |             |
| COMPONENT/APPLIANCE ABOVE PART INSTALLED ON | Report whole hours | PART TT           | PART TSO             |               |    |             |
| COMP/APPL NAME                              | MANUFACTURER       | MFG. MODEL/NUMBER | SERIAL NO.           |               |    |             |

**SUBMITTED BY**

|                       |        |         |          |      |       |          |      |     |       |       |          |       |           |
|-----------------------|--------|---------|----------|------|-------|----------|------|-----|-------|-------|----------|-------|-----------|
| SUBMITTER (Check one) |        | A       | B        | C    | D     | E        | F    | G   | H     | I     | P. S. L. | ALERT | OPER/D.O. |
|                       |        | CARRIER | REP STA. | OPER | MECH  | AIR TAXI | MFG  | FAA | OTHER | Spec. |          |       |           |
| PREC. PROC.           | NATURE | STAGE   | STAT     | ROLL | Frame | SYS.     | SYS. |     |       |       |          |       |           |
|                       |        |         |          |      |       |          |      |     |       |       |          |       |           |
|                       |        |         |          |      |       |          |      |     |       |       |          |       |           |
|                       |        |         |          |      |       |          |      |     |       |       |          |       |           |

ADDITIONAL COMMENTS

## All Submitters - Instructions for Completing FAA Form 8070-1

### Major Equipment Identity

| TITLE                               | ENTRY                                                                                                                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aircraft<br>Powerplant<br>Propeller | Identify major equipment related to problem. Enter manufacturer, model, and serial number per FAA/MANUFACTURER type certificate data sheet. If amateur built, use plan or kit name. Use military model designators when appropriate. Avoid colloquial names and market titles. |
| N-                                  | Aircraft Registration Number.                                                                                                                                                                                                                                                  |

### Problem Description

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date                             | Give date problem occurred (i.e., 7-1-84).                                                                                                                                                                                                                                                                                                                                                                             |
| Text                             | Whenever possible, describe conditions subsequent to, or leading up to, the reported problem: (a) Identify the cause for malfunction and emergency measures execute. (b) Include compliance or noncompliance with Airworthiness Directives, Service Bulletins, STC's, and PMA's. (c) Provide any significant fact you feel may help to reduce or eliminate recurrence (i.e., cycles, landings, and suggested changes). |
| Part Name                        | Skin, rib, shaft, Venturi, transistor, capacitor, etc. Avoid colloquial names.                                                                                                                                                                                                                                                                                                                                         |
| Mfg. Part Number                 | Alphanumeric part identifiers assigned by manufacturer.                                                                                                                                                                                                                                                                                                                                                                |
| Part Condition                   | Cracked, bent, burned, corroded, shorted, etc.                                                                                                                                                                                                                                                                                                                                                                         |
| Part/Defect Location             | L.H. alternator, audio, R.H. outboard, range switch, etc.                                                                                                                                                                                                                                                                                                                                                              |
| Part TT                          | Total service time on part in whole hours (i.e., 00531).                                                                                                                                                                                                                                                                                                                                                               |
| Part TSO                         | Service time on part since overhaul in whole hours (i.e., 00200)                                                                                                                                                                                                                                                                                                                                                       |
| Comp/Appl Name                   | Fuselage, wing, alternator, carburetor, VOR receiver, etc.                                                                                                                                                                                                                                                                                                                                                             |
| Manufacturer                     | Comp/appl manufacturer: Beech, Cessna, Prestolite, Bendix, Collins, etc.                                                                                                                                                                                                                                                                                                                                               |
| Mfg. Model/Number, Serial Number | Alphanumeric model and serial numbers or identifiers assigned by comp/appl manufacturer (i.e., ALU8403, NAS3A1, 51 RVII). Do not repeat "MAJOR EQUIPMENT IDENTITY" in these locations.                                                                                                                                                                                                                                 |

### Submitted By

|           |                   |
|-----------|-------------------|
| Submitter | As noted on form. |
|-----------|-------------------|

FAA District Offices - Refer to FAA Order 8010.2