



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



## ADVISORY CIRCULAR

43-16A

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# AVIATION MAINTENANCE ALERTS

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**ALERT  
NUMBER  
309**

**APRIL  
2004**

# CONTENTS

## AIRPLANES

|               |   |
|---------------|---|
| BEECH .....   | 1 |
| CESSNA .....  | 1 |
| DIAMOND ..... | 2 |
| PIPER.....    | 3 |
| RAYTHEON..... | 3 |

## ACCESSORIES

|                 |   |
|-----------------|---|
| CARBURETOR..... | 4 |
|-----------------|---|

## AIR NOTES

|  |   |
|--|---|
| ELECTRONIC VERSION OF MALFUNCTION OR DEFECT REPORT .....         | 4 |
| PAPER COPY OF FAA FORM 8010-4, MALFUNCTION OR DEFECT REPORT..... | 5 |
| SERVICE DIFFICULTY REPORTING PROGRAM .....                       | 5 |
| IF YOU WANT TO CONTACT US .....                                  | 6 |
| AVIATION SERVICE DIFFICULTY REPORTS .....                        | 6 |

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**U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
WASHINGTON, DC 20590**

**AVIATION MAINTENANCE ALERTS**

The Aviation Maintenance Alerts provide a common communication channel through which the aviation community can economically interchange service experience and thereby cooperate in the improvement of aeronautical product durability, reliability, and safety. This publication is prepared from information submitted by those who operate and maintain civil aeronautical products. The contents include items that have been reported as significant, but which have not been evaluated fully by the time the material went to press. As additional facts such as cause and corrective action are identified, the data will be published in subsequent issues of the Alerts. This procedure gives Alerts' readers prompt notice of conditions reported via Malfunction or Defect Reports. Your comments and suggestions for improvement are always welcome. Send to: FAA; ATTN: Aviation Data Systems Branch (AFS-620); P.O. Box 25082; Oklahoma City, OK 73125-5029.

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**AIRPLANES**

**BEECH**

**Beech; Model A36; Failure of the Heater Muffler Assembly; ATA 7820**

The heater muffler assembly (P/N 701-21) failed the 500-hour pressure test performed in accordance with the Beech A36 maintenance manual. Upon disassembly, the technician found large bulges in the exterior of the main barrel of the muffler, which is located towards one end.

The submitter stated it was possible that overheating caused this failure. He recommended that persons inspecting Bonanza series aircraft adhere to the Beech recommended detailed inspection schedule in order to remove the failing unit before it causes carbon monoxide in the cabin or engine compartment fires.

Part total time: 598 hours.

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**Beech; Model 1900C; Electrical Short in Elevator Trim Control System; ATA 2730**

During scheduled maintenance, the technician discovered the wing strobe lights were inoperative when the navigation light was turned on. He found an internal short in the aft pressure bulkhead connector (P/N 206552-1).

The elevator electric trim servo wiring, which runs through the same connector, was shorted and getting power from the strobe/nav light circuit breaker; therefore, the trim servo was always powered. Due to this problem, pulling the circuit breaker could not disable the electric elevator trim.

The submitter reported this problem was addressed in Beechcraft Mandatory Service Bulletin 2511. He stated the requirements of the bulletin were accomplished in 1995 on this aircraft.

A search of the FAA Service Difficulty Reporting Program data base revealed one additional report on the same subject matter.

Part total time: 19,581 hours.

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**CESSNA**

**Cessna; Model 172S; Improperly Routed Heating Duct; ATA 2120**

During a routine inspection, the technician discovered the plastic glovebox (P/N 0513552-15) was melted at the forward end on the right side.

The technician also found that the heater ducting was routed against the glovebox. He rerouted the heat duct to prevent future occurrences.

The submitter stated finding the same problem on a like aircraft.

Part total time: 1,346 hours.

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### **Cessna; Model 208; Caravan I; Nose Landing Gear Strut Failure; ATA 3222**

The aircraft was having recurring shimmy problems, which led to the strut being disassembled for inspection.

During the inspection, the technician discovered the lower plug was separated from the metering pin assembly (P/N 2643018-1). This caused the strut to lose the dampening effect. (Refer to the illustration.)

Part total time: 11,642 hours.



## **DIAMOND**

### **Diamond; Model DA20-C1; Stall Warning System Failure; ATA 3418**

A recent Malfunction or Defect Report was processed which stated the stall warning system on the Diamond DA20-C1 is prone to freezing up.

The submitter stated that moisture is introduced to the system through the sensory hole in the left-hand wing. The moisture travels to the low point in the system, which is located in the aircraft belly, and freezes up causing the stall warning system to fail.

Aircraft time: 319 hours.

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## PIPER

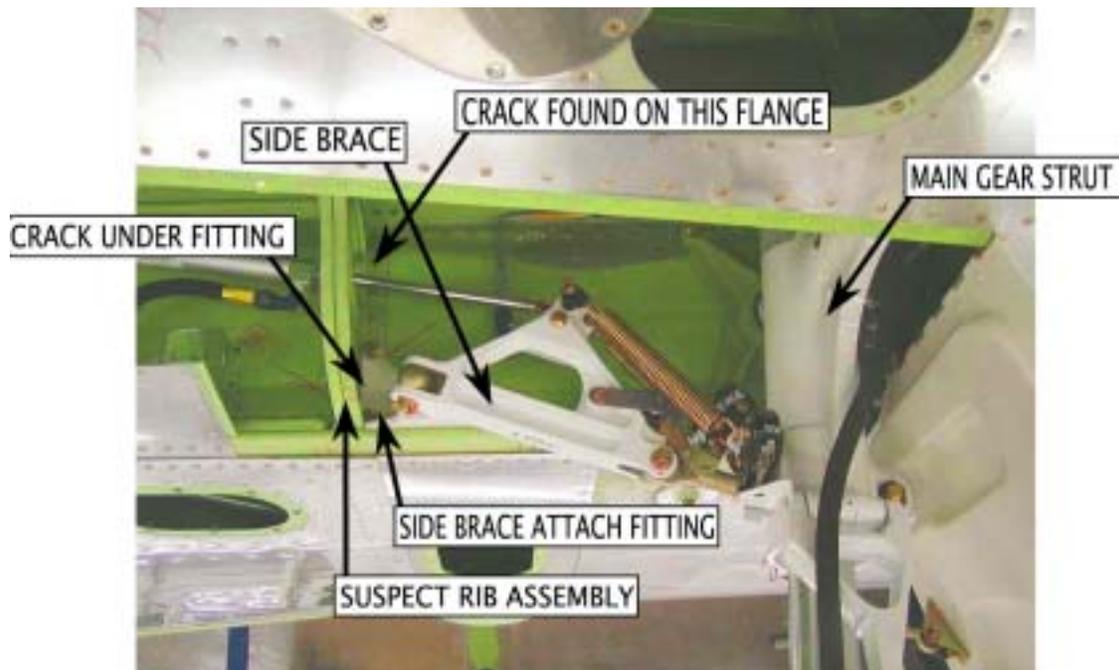
### Piper; Models PA-44, PA-28R, PA-32R, PA-34, and PA-44; Cracked Wing Rib; ATA 5712

The Atlanta Aircraft Certification Office, ACE-115A, located in Atlanta Georgia, submitted the following article. *(This article is published as it was received.)*

Many Service Difficulty Reports and previous Aviation Maintenance Alerts have identified cracking in ribs located at LH and RH wing stations 49.2 on PA-44 aircraft (P/N 78475-006 and P/N78475-007). The cracks are located underneath the main gear side brace attach fitting (P/N 95643-008 and P/N 95643-009) in the bend radius of the wing rib. The cracks are generally only visible after removing the fittings. The wing rib is common to PA-28R, PA-32R, PA-34, and PA-44 aircraft.

It is recommended that the aircraft be inspected for cracks, and if found, the rib be replaced.

Part total time unknown.



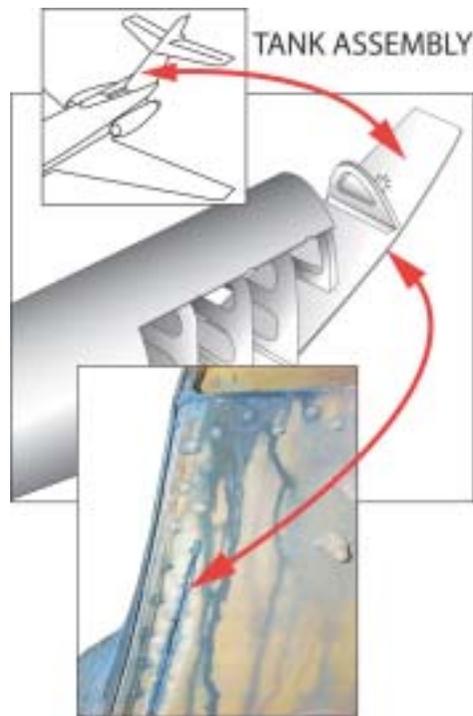
## RAYTHEON

### Raytheon (British Aerospace); Model HS 125-700A; Chafing Dorsal Fin Fuel Tank; ATA 2810

The technician removed the dorsal fin fuel tank (P/N S25-6FR157AB) for inspection.

The technician discovered severe chafing on the aft lower tank skin (P/N 25-6FR21AB). A seal retainer flange mounted to the vertical stabilizer caused the chafing. He repaired the tank. The serrated tank mount brackets, which are located on the vertical stabilizer, were adjusted to obtain acceptable clearance between the skin and seal retainer. This adjustment will eliminate any future chafing problem. (Refer to the illustration.)

Part total time: 82,210 hours.



## ACCESSORIES

### CARBURETOR

#### **Precision; Model HA-6; Defect Carburetor Fuel Float; ATA 7322**

Pilots reported that upon landing their Piper PA-44-180 aircraft, the left engine died and they saw fuel dripping from the cowling.

The technician inspected the left engine and could not find fuel leakage. He conducted a ground run and discovered the engine operated normally except at idle. At idle, the aircraft ran smoothly for about 15 to 20 seconds and then would begin to die as if the engine was excessively rich. When he leaned the mixture, the engine continued to run with fuel dripping from the carburetor airbox. When he removed and disassembled the carburetor, he discovered the float inside the carburetor was half filled with fuel.

Part total time: 718 hours.

## AIR NOTES

### ELECTRONIC VERSION OF FAA FORM 8010-4, MALFUNCTION OR DEFECT REPORT

One of the recent improvements to the Flight Standards Service Aviation Information Internet web site is the inclusion of FAA Form 8010-4, Malfunction or Defect Report. This web site is still under construction and further changes will be made; however, the site is now active, usable, and contains a great deal of information.

Various electronic versions of this form have been used in the past; however, this new electronic version is more user friendly and replaces all other versions. You can complete the form online and submit the information electronically. The form is used for all aircraft except certificated air carriers who are provided a different electronic form. The Internet address is: <http://av-info.faa.gov/isdr>

When the page opens, select “M or D Submission Form” and, when complete, use the “Add Service Difficulty Report” button at the top left to send the form. Many of you have inquired about this service. It is now available, and we encourage everyone to use this format when submitting aviation, service-related information.

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### **PAPER COPY OF FAA FORM 8010-4, MALFUNCTION OR DEFECT REPORT**

In the past, the last two pages of the Alerts contained a paper copy of FAA Form 8010-4, Malfunction or Defect Report. This form will no longer be published in the Alerts due to Section 508 requirements. However, the form is available on the Internet at: <http://forms.faa.gov/forms/faa8010-4.pdf>. You can still download and complete the form as you have in the past.

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### **SERVICE DIFFICULTY REPORTING PROGRAM**

The objective of the Service Difficulty Reporting (SDR) Program is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products fleet wide. The SDR program is an exchange of information and a method of communication between the FAA and the aviation community concerning inservice problems.

A report should be filed whenever a system, component, or part of an aircraft, powerplant, propeller, or appliance fails to function in a normal or usual manner. In addition, if a system, component, or part of an aircraft, powerplant, propeller, or appliance has a flaw or imperfection which impairs, or which may impair its future function, it is considered defective and should be reported under the program.

These reports are known by a variety of names: Service Difficulty Reports (SDR), Malfunction or Defect Reports (M or D) and Maintenance Difficulty Reports (MDR).

The collection, collation, analysis of data, and the rapid dissemination of mechanical discrepancies, alerts, and trend information to the appropriate segments of the FAA and the aviation community provides an effective and economical method of ensuring future aviation safety.

The FAA analyzes SDR data for safety implications and reviews the data to identify possible trends that may not be apparent regionally or to individual operators. As a result of this review, the FAA may disseminate safety information to a particular section of the aviation community. The FAA also may adopt new regulations or issue airworthiness directives (AD's) to address a specific problem.

The primary source of SDR's are certificate holders operating under Parts 121, 125, 135, 145 of the Federal Aviation Regulations, and the general aviation community which voluntarily submit records. FAA Aviation Safety Inspectors may also report service difficulty information when they conduct routine aircraft and maintenance surveillance as well as accident and incident investigations.

The SDR data base contains records dating back to 1974. Reports may be submitted on the Internet through an active data entry form or on hard copy. The electronic data entry form is in the Flight Standards Aviation web site. The URL is: <http://av-info.faa.gov/>.

A public search/query tool is also available on this same web site. This tool has provisions for printing reports or downloading data.

At the current time we are receiving approximately 45,000 records per year.

Point of contact is:

John Jackson

Service Difficulty Reporting System Program Manager

Aviation Data Systems Branch, AFS-620

P.O. Box 25082

Oklahoma City, OK 73125

Telephone: (405) 954-6486

E-mail: <mailto:9-AMC-SDR-ProgMgr@faa.gov>

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### IF YOU WANT TO CONTACT US

We welcome your comments, suggestions, and questions. You may use any of the following means of communication to submit reports concerning aviation-related occurrences.

Editor: Isaac Williams (405) 954-6488

FAX: (405) 954-4570 or (405) 954-4655

Mailing address: FAA, ATTN: AFS-620 ALERTS, P.O. Box 25082, Oklahoma City, OK 73125-5029

You can access current and back issues of this publication from the internet at:

<http://av-info.faa.gov/>. Select the General Aviation Airworthiness Alerts heading.

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### AVIATION SERVICE DIFFICULTY REPORTS

The following are abbreviated reports submitted between February 18, 2004, and March 23, 2004, which have been entered into the FAA Service Difficulty Reporting (SDR) System data base. This is not an all inclusive listing of Service Difficulty Reports. For more information, contact the FAA, Regulatory Support Division, Aviation Data Systems Branch, AFS-620, located in Oklahoma City, Oklahoma. The mailing address is:

FAA

Aviation Data Systems Branch, AFS-620

PO Box 25082

Oklahoma City, OK 73125

**To retrieve the complete report, click on the Control Number located in each report.** These reports contain raw data that has not been edited. Also, because these reports contain raw data, the pages containing the raw data are not numbered.

**If you require further detail please contact AFS-620 at the address above.**

## Federal Aviation Administration

### Service Difficulty Report Data

Sorted by aircraft make and model then engine make and model. This report derives from unverified information submitted by the aviation community without FAA review for accuracy.

| Control Number                | Aircraft Make  | Engine Make  | Component Make  | Part Name       | Part Condition   |
|-------------------------------|----------------|--------------|-----------------|-----------------|------------------|
| Difficulty Date               | Aircraft Model | Engine Model | Component Model | Part Number     | Part Location    |
| <a href="#">2004FA0000097</a> | AGUSTA         | ALLSN        |                 | SELECTOR VALVE  | WORN             |
| 1/9/2004                      | A109A2         | 250C20       |                 | 1090512431      | MLG              |
| <a href="#">2004FA0000088</a> | AMBLP          | LYC          |                 | CONTROL CABLE   | FAILED           |
| 1/12/2004                     | A150           | IO360A1A     |                 | ABC10800318     | RUDDER           |
| <a href="#">CA040105005</a>   | AMD            | GE           |                 | DRAIN LINE      | CHAFED           |
| 12/5/2003                     | FALCON20       | CF7002D2     |                 | MY20515108003   | ENGINE           |
| <a href="#">CA040105008</a>   | AMD            | GE           |                 | SQUAT SWITCH    | FROZEN           |
| 1/3/2004                      | FALCON20F5     | CF7002D2     |                 | A23802105       | NLG              |
| <a href="#">2004FA0000178</a> | AMRGEN         | LYC          |                 | SEAL            | WORN             |
| 1/9/2004                      | AA1B           | O235C2C      |                 | LW13792         | ENGINE           |
| <a href="#">2004FA0000076</a> | AMRGEN         |              |                 | STIFFENER       | CRACKED          |
| 1/14/2004                     | AA5B           |              |                 | 510229616       | HORIZONTAL STAB  |
| <a href="#">2004FA0000235</a> | AMTR           | LYC          |                 | STRUCTURE       | CHAFED           |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | STABILATOR       |
| <a href="#">2004FA0000236</a> | AMTR           | LYC          |                 | FASTENER        | CHAFED           |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | LT AILERONS      |
| <a href="#">2004FA0000237</a> | AMTR           | LYC          |                 | SPINNER         | CHAFED           |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | PROPELLER        |
| <a href="#">2004FA0000238</a> | AMTR           | LYC          |                 | RUDDER          | MISINSTALLED     |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | VERTICAL STAB    |
| <a href="#">2004FA0000239</a> | AMTR           | LYC          |                 | BUNGEE CYLINDER | STIFF            |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | NLG STEERING     |
| <a href="#">2004FA0000240</a> | AMTR           | LYC          |                 | INDICATOR       | INACCURATE       |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | VOR SYSTEM       |
| <a href="#">2004FA0000241</a> | AMTR           | LYC          |                 | STEP            | LOOSE            |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | PAX DOOR         |
| <a href="#">2004FA0000242</a> | AMTR           | LYC          |                 | FUEL TANK       | LEAKING          |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | LT WING          |
| <a href="#">2004FA0000243</a> | AMTR           | LYC          |                 | BRACKET         | BROKEN           |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | CARB HEAT        |
| <a href="#">2004FA0000244</a> | AMTR           | LYC          |                 | AUDIO PANEL     | INOPERATIVE      |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | COCKPIT          |
| <a href="#">2004FA0000245</a> | AMTR           | LYC          |                 | PLACARD         | MISSING          |
| 2/6/2004                      | ALARUSCH2T     | O235*        |                 |                 | TRIM CNTRL WHEEL |
| <a href="#">AUS20031214</a>   | AMTR           |              |                 | HOSE            | FIRE             |
| 10/27/2003                    | B400           |              |                 | 20BHB           | PROPANE          |

|                               |            |             |           |               |                  |
|-------------------------------|------------|-------------|-----------|---------------|------------------|
| <a href="#">2004FA0000194</a> | AVIAT      | LYC         |           | DRAIN LINE    | CHAFED           |
| 11/17/2003                    | A1A        | O360*       |           |               | ENGINE OIL       |
| <a href="#">2004FA0000229</a> | AVIAT      | LYC         |           | DOPE FILM     | DELAMINATED      |
| 2/17/2004                     | PITTSS2B   | AEIO540D4A5 |           |               | SKIN FABRIC      |
| <a href="#">CA040123006</a>   | BAC        | LYC         |           | WIRE HARNESS  | CHAFED           |
| 1/5/2004                      | 146200A    | ALF502R5    |           | WIRE161       | NR 1 GENERATOR   |
| <a href="#">CA040105003</a>   | BAG        | GARRTT      | BAG       | DOOR FRAME    | CRACKED          |
| 11/16/2003                    | JETSTM3212 | TPE33110UG  |           | 137978C5      | PAX DOOR         |
| <a href="#">2004FA0000142</a> | BBAVIA     | CONT        |           | SPAR          | CRACKED          |
| 1/23/2004                     | 7AC        | A75*        |           |               | WINGS            |
| <a href="#">2004FA0000164</a> | BBAVIA     |             |           | FUEL CAP      | MISINSTALLED     |
| 2/4/2004                      | 8KCAB      |             |           | 125932        | FUEL CELL        |
| <a href="#">CA040104001</a>   | BEECH      | PWA         |           | FUEL CONTROL  | FAILED           |
| 1/2/2004                      | 100BEECH   | PT6A28      |           | 252444076     | LT ENGINE        |
| <a href="#">8570000</a>       | BEECH      | PWA         |           | GEAR          | SLIPPED          |
| 2/27/2004                     | 1900D      | PT6*        |           | S3280         | ELEVATOR TRIM    |
| <a href="#">CA040202011</a>   | BEECH      | PWA         |           | HANDLE        | FAILED           |
| 1/9/2004                      | 1900D      | PT6A67D     |           | 10151417617   | AIRSTAIR DOOR    |
| <a href="#">CA031223001</a>   | BEECH      | PWA         | COLLINS   | CONTROL PANEL | ODOR             |
| 12/10/2003                    | 1900D      | PT6A67D     |           | 6225798022    | FMC              |
| <a href="#">2004FA0000189</a> | BEECH      |             |           | STRINGER      | CRACKED          |
| 2/6/2004                      | 200BEECH   |             |           |               | PRESS BULKHEAD   |
| <a href="#">2004FA0000007</a> | BEECH      | PWA         |           | WINDSHIELD    | BROKEN           |
| 10/14/2003                    | 200BEECH   | PT6A41      |           | 10138402522   | COCKPIT          |
| <a href="#">CA040212005</a>   | BEECH      | PWA         | BEECH     | CHANNEL       | CRACKED          |
| 2/6/2004                      | 200BEECH   | PT6A41      |           | 50430043619   | CABIN DOOR       |
| <a href="#">CA040224003</a>   | BEECH      | PWA         | CLEVELAND | RIVET         | SHEARED          |
| 2/16/2004                     | 200BEECH   | PT6A41      |           |               | BRAKE PAD RIVETS |
| <a href="#">2004FA0000056</a> | BEECH      | CONT        |           | O-RING        | CRACKED          |
| 11/20/2003                    | 35B33      | IO550B      |           | STCSA01110CH  | QUICK DRAIN      |
| <a href="#">2004FA0000027</a> | BEECH      | CONT        |           | MOTOR         | FAILED           |
| 11/17/2003                    | 58         | IO520*      |           | 583800901     | MLG              |
| <a href="#">2004FA0000217</a> | BEECH      | CONT        |           | NUT           | CRACKED          |
| 1/24/2004                     | 58         | IO520*      |           | NAS679A4      | HORIZONTAL STAB  |
| <a href="#">2004FA0000071</a> | BEECH      | CONT        |           | ARM           | CRACKED          |
| 10/15/2003                    | 58         | IO520CB     |           | 505243649     | RUDDER PEDAL     |
| <a href="#">2004FA0000160</a> | BEECH      | CONT        |           | ROD END       | WORN             |
| 12/4/2003                     | 58         | IO550*      |           | 1317651F      | PROP CONTROL     |

|                               |           |         |        |                  |                 |
|-------------------------------|-----------|---------|--------|------------------|-----------------|
| <a href="#">CM2R</a>          | BEECH     | CONT    |        | SEPARATOR        | OBSTRUCTED      |
| 1/8/2004                      | 95C55     | IO520C  |        | 963800295        | ENG AIR INTAKE  |
| <a href="#">AUS20040044</a>   | BEECH     | CONT    |        | ATTACH FITTING   | CORRODED        |
| 1/27/2004                     | A36       | IO520B  |        | 35115050602      | RT WING         |
| <a href="#">2004FA0000131</a> | BEECH     | CONT    | SLICK  | IMPULSE COUPLING | BROKEN          |
| 10/30/2003                    | A36       | IO550B  |        | M3050            | RT MAGNETO      |
| <a href="#">CA040129007</a>   | BEECH     | PWA     | BEECH  | BRACKET          | CRACKED         |
| 12/10/2003                    | B200      | PT6A41  |        | 1015241099       | BALLAST WEIGHT  |
| <a href="#">CA040126002</a>   | BEECH     | PWA     |        | HINGE            | WORN            |
| 1/22/2004                     | B200      | PT6A42  |        | 1019100209       | INLET VANE      |
| <a href="#">CA040126005</a>   | BEECH     | PWA     |        | FLANGE           | CRACKED         |
| 1/26/2004                     | B300B350C | PT6A60A |        | 10112011613      | BATTERY COVER   |
| <a href="#">CA040127010</a>   | BEECH     | PWA     |        | WINDSHIELD       | CRACKED         |
| 1/21/2004                     | B300B350C | PT6A60A |        | 10138402521      | COCKPIT         |
| <a href="#">2004FA0000169</a> | BEECH     | LYC     |        | PUMP             | INOPERATIVE     |
| 12/15/2003                    | C23       | O360A4K |        | LW16335          | ENGINE          |
| <a href="#">2004FA0000121</a> | BEECH     |         |        | ARM              | CRACKED         |
| 12/29/2003                    | C90       |         |        | 5052432626       | RUDDER PEDAL    |
| <a href="#">2004FA0000177</a> | BEECH     | PWA     |        | SPAR CAP         | CRACKED         |
| 10/8/2003                     | C90       | PT6A60A |        | 901100132        | RT WING         |
| <a href="#">CA040211008</a>   | BEECH     | PWA     |        | WINDSHIELD       | CRACKED         |
| 1/22/2004                     | C90A      | PT6A21  |        | 10138402523      | COCKPIT         |
| <a href="#">CA040211007</a>   | BEECH     | PWA     |        | WINDSHIELD       | CRACKED         |
| 1/22/2004                     | C90A      | PT6A21  |        | 10138402524      | COCKPIT         |
| <a href="#">CA040202012</a>   | BEECH     | PWA     | RAYTHN | SPAR             | CRACKED         |
| 1/13/2004                     | C90A      | PT6A21  |        | 5012000886       | NACELLE         |
| <a href="#">CA040220008</a>   | BEECH     | PWA     |        | HOSE             | CRACKED         |
| 2/18/2004                     | C90A      | PT6A21  |        | 909100999        | ANTI ICE SYSTEM |
| <a href="#">CA040220009</a>   | BEECH     | PWA     |        | DUCT             | CRACKED         |
| 2/2/2004                      | C90A      | PT6A21  |        | 109910029121     | ENGINE          |
| <a href="#">CA040220010</a>   | BEECH     | PWA     |        | WINDSCREEN       | DAMAGED         |
| 2/2/2004                      | C90A      | PT6A21  |        | 10138402523      | COCKPIT         |
| <a href="#">2004FA0000226</a> | BEECH     | CONT    |        | DIAPHRAGM        | CRACKED         |
| 2/10/2004                     | M35       | IO470C  |        | 631526           | FUEL MANIFOLD   |
| <a href="#">2004FA0000098</a> | BEECH     | CONT    |        | THROTTLE CABLE   | INOPERATIVE     |
| 11/22/2003                    | S35       | IO520BB |        | 363800611        | ENGINE          |
| <a href="#">2004FA0000116</a> | BEECH     |         | BEECH  | BEARING          | GALLED          |
| 1/15/2004                     | T42A      |         |        | 5201KD           | MLG GEARBOX     |

|                               |            |          |       |               |                  |
|-------------------------------|------------|----------|-------|---------------|------------------|
| <a href="#">2004FA0000117</a> | BEECH      |          | BEECH | BEARING       | GALLED           |
| 1/6/2004                      | T42A       |          |       | 5201KD        | MLG GEARBOX      |
| <a href="#">2004FA0000104</a> | BEECH      |          |       | ARM           | CRACKED          |
| 12/29/2003                    | T44A       |          |       | 5052432625    | RUDDER PEDAL     |
| <a href="#">CA040127014</a>   | BELL       | LYC      |       | PUMP          | FAILED           |
| 12/28/2003                    | 205A1      | T5317A   |       |               | FUEL CONTROL     |
| <a href="#">CA040128006</a>   | BELL       | LYC      |       | PUMP          | WORN             |
| 12/28/2003                    | 205A1      | T5317A   |       | 85634         | FUEL CONTROL     |
| <a href="#">CA040217009</a>   | BELL       | ALLSN    |       | CONNECTOR     | BURNED           |
| 2/10/2004                     | 206B       | 250C20B  |       | 206075559005  | LEAD GRD CONNECT |
| <a href="#">CA040217010</a>   | BELL       | ALLSN    |       | BLADE         | SCORED           |
| 11/18/2003                    | 206L1      | 250C28B  |       | 206015001107  | MAIN ROTOR       |
| <a href="#">N207RT012804</a>  | BELL       |          |       | BRACKET       | CRACKED          |
| 1/28/2004                     | 206L4      |          |       | 206021103105  | TAILBOOM         |
| <a href="#">CA031110002</a>   | BELL       | PWA      | BELL  | BUSHING       | INCORRECT        |
| 11/7/2003                     | 212        | PT6T3    |       |               | TAIL ROTOR HEAD  |
| <a href="#">CA040130009</a>   | BELL       | PWA      | BELL  | CAP           | CRACKED          |
| 1/30/2004                     | 212        | PT6T3B   |       |               | MAIN BEAM        |
| <a href="#">CA040217011</a>   | BELL       |          |       | BLADE         | DAMAGED          |
| 11/28/2003                    | 230        |          |       | 222016001131  | TAIL ROTOR       |
| <a href="#">CA040128001</a>   | BELL       | PWC      |       | BEARING RACE  | MISMANUFACTURED  |
| 1/28/2004                     | 427        | PW207D   |       | 407340339107  | T/R DRIVE        |
| <a href="#">2004FA0000062</a> | BELL       | ALLSN    |       | MOUNT         | CRACKED          |
| 12/23/2003                    | 47G3B1     | 250C20   |       | 476121711289  | ENGINE           |
| <a href="#">2004FA0000063</a> | BELL       | ALLSN    |       | GRIP          | CRACKED          |
| 12/23/2003                    | 47G3B1     | 250C20   |       | 471202523     | THREAD           |
| <a href="#">2004FA0000145</a> | BLANCA     |          |       | LEG ASSY      | CRACKED          |
| 11/4/2003                     | 1730A      |          |       | 19428030      | MLG              |
| <a href="#">CA040202016</a>   | BRAERO     | GARRTT   |       | CONTROL CABLE | BINDING          |
| 2/2/2004                      | BAE125800A | TFE7315R |       | D172890       | MLG              |
| <a href="#">2004FA0000081</a> | BRAERO     |          |       | WIRE HARNESS  | DETERIORATED     |
| 1/4/2004                      | HS125700A  |          |       | 30709341      | RT ENGINE        |
| <a href="#">2004FA0000077</a> | BRAERO     | GARRTT   |       | WIRE HARNESS  | DETERIORATED     |
| 1/4/2004                      | HS125700A  | TFE7313R |       | 30709341      | RT ENGINE        |
| <a href="#">2004FA0000190</a> | CESSNA     | CONT     |       | SKIN          | CRACKED          |
| 2/11/2004                     | 150B       | O200A    |       | 04121761      | HORIZONTAL STAB  |
| <a href="#">2004FA0000191</a> | CESSNA     | CONT     |       | SKIN          | CRACKED          |
| 2/11/2004                     | 150B       | O200A    |       | 04121761      | ZONE 300         |

|                               |        |          |        |                |                 |
|-------------------------------|--------|----------|--------|----------------|-----------------|
| <a href="#">2004FA0000159</a> | CESSNA | CONT     | CESSNA | HINGE PIN      | BROKEN          |
| 12/31/2003                    | 150M   | O200*    |        | 07110381       | CABIN DOOR      |
| <a href="#">2004FA0000084</a> | CESSNA | LYC      |        | CARBURETOR     | LEAKING         |
| 7/1/2003                      | 152    | O235L2C  |        | 105267         | ENGINE          |
| <a href="#">CA031212005</a>   | CESSNA | LYC      | CESSNA | BRACKET        | CRACKED         |
| 12/12/2003                    | 152    | O235L2C  |        | 04320049       | HORIZONTAL STAB |
| <a href="#">CA031219001</a>   | CESSNA | LYC      |        | RIB            | CRACKED         |
| 12/17/2003                    | 152    | O235L2C  |        | 0432001646     | HORIZONTAL STAB |
| <a href="#">O05R021320044</a> | CESSNA |          |        | FLANGE         | DAMAGED         |
| 2/13/2004                     | 172    |          |        |                | PROP HUB        |
| <a href="#">041332</a>        | CESSNA | CONT     | CESSNA | DRAIN          | CRACKED         |
| 2/12/2004                     | 172    | O300*    |        | CCA1550        | FUEL VALVE      |
| <a href="#">CA040220006</a>   | CESSNA | LYC      |        | LINE           | CHAFED          |
| 2/13/2004                     | 172K   | O320E2D  |        | 05001183       | FUEL SYSTEM     |
| <a href="#">CA040127012</a>   | CESSNA | LYC      |        | EXHAUST VALVE  | FAILED          |
| 12/2/2003                     | 172L   | O320E2D  |        |                | ENGINE          |
| <a href="#">CA040216005</a>   | CESSNA | LYC      |        | CONNECTING ROD | WORN            |
| 1/10/2004                     | 172M   | O320E2D  |        | 78030          | ENGINE          |
| <a href="#">CA040212001</a>   | CESSNA | LYC      |        | POST           | CRACKED         |
| 2/4/2004                      | 172M   | O320E2D  |        | 051300735      | CREW DOOR       |
| <a href="#">CA040127019</a>   | CESSNA | LYC      |        | MOUNT          | CRACKED         |
| 1/6/2004                      | 172M   | O320E2D  |        | 055201913      | LANDING LIGHT   |
| <a href="#">2004FA0000082</a> | CESSNA | LYC      |        | CARBURETOR     | FAILED          |
| 7/1/2003                      | 172N   | O320D2J  |        | 105217MP45PA   | ENGINE          |
| <a href="#">CA031104002</a>   | CESSNA | LYC      |        | TRANSMITTER    | INCORRECT       |
| 10/27/2003                    | 172R   | IO360L2A |        | S33311         | FUEL QTY        |
| <a href="#">CA040216006</a>   | CESSNA | LYC      |        | LOCK           | SHEARED         |
| 2/13/2004                     | 172R   | IO360L2A |        | 05142132       | COCKPIT SEAT    |
| <a href="#">2004FA0000079</a> | CESSNA |          |        | BALANCE WEIGHT | MISSING         |
| 1/19/2004                     | 172RG  |          |        | 05331341       | RUDDER          |
| <a href="#">2004FA0000083</a> | CESSNA | LYC      |        | FITTING        | CRACKED         |
| 6/30/2003                     | 172RG  | O360F1A6 |        | 22411001       | MLG             |
| <a href="#">2004FA0000049</a> | CESSNA | LYC      |        | PISTON         | BROKEN          |
| 12/30/2003                    | 172RG  | O360F1A6 |        | 98820041       | MLG ACTUATOR    |
| <a href="#">2004FA0000100</a> | CESSNA | LYC      |        | CONTACTOR      | FAILED          |
| 12/9/2003                     | 172S   | IO360L2A |        | X610007        | RELAY           |
| <a href="#">2004FA0000099</a> | CESSNA | LYC      |        | CONTACTOR      | FAILED          |
| 12/21/2003                    | 172S   | IO360L2A |        | 8824V2LA       | RELAY           |

|                               |        |            |                 |                          |
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| <a href="#">MYNR748K</a>      | CESSNA | LYC        | CONTROL TUBE    | WORN                     |
| 1/14/2004                     | 177    | O320*      | 176703013       | AILERON                  |
| <a href="#">2004FA0000068</a> | CESSNA | LYC        | AIR FILTER      | MISMANUFACTURED          |
| 1/5/2004                      | 177B   | O360A1F6   | AM107635FP      | ENGINE                   |
| <a href="#">CA040225005</a>   | CESSNA | CONT       | CONTROL CABLE   | FRAYED                   |
| 1/21/2004                     | 180C   | O470K      | 051010513       | AILERON                  |
| <a href="#">2004FA0000192</a> | CESSNA |            | CESSNA          | SPAR                     |
| 2/11/2004                     | 182    |            | 0732000153      | CRACKED<br>LEFT ELEVATOR |
| <a href="#">01222004</a>      | CESSNA |            | HINGE PIN       | BROKEN                   |
| 1/22/2004                     | 182H   |            | 07110381        | LWR RT DOOR              |
| <a href="#">2004FA0000167</a> | CESSNA | LYC        | MAGNETO         | FAILED                   |
| 1/22/2003                     | 182T   | IO540AB1A5 | 6351            | ENGINE                   |
| <a href="#">2004FA0000118</a> | CESSNA |            | MASTER CYLINDER | LEAKING                  |
| 1/8/2004                      | 195B   |            | 05411383        | BRAKES                   |
| <a href="#">CA040216003</a>   | CESSNA | PWA        | ACTUATOR        | FAILED                   |
| 1/14/2004                     | 208B   | PT6A114    | 26616151        | ELEVATOR TRIM            |
| <a href="#">CA040217001</a>   | CESSNA | PWA        | MOUNT           | CRACKED                  |
| 2/17/2004                     | 208B   | PT6A114A   | 265102215       | ENGINE                   |
| <a href="#">CA040217003</a>   | CESSNA | PWA        | RELAY           | BURNED                   |
| 2/17/2004                     | 208B   | PT6A114A   | KRP3DH24        | WINDSHIELD               |
| <a href="#">CA040130003</a>   | CESSNA | PWA        | RETAINER        | COLLAPSED                |
| 1/26/2004                     | 208B   | PT6A114A   | 3020159         | ENGINE                   |
| <a href="#">2004FA0000202</a> | CESSNA |            | WIRE            | BROKEN                   |
| 2/3/2004                      | 210M   |            |                 | ALTERNATOR               |
| <a href="#">2004FA0000227</a> | CESSNA |            | ELT             | FAILED                   |
| 2/24/2004                     | 310N   |            | AK450           | CABIN                    |
| <a href="#">2004FA0000228</a> | CESSNA |            | ELT             | FAILED                   |
| 12/17/2002                    | 310N   |            | AK450           | CABIN                    |
| <a href="#">2004FA0000096</a> | CESSNA |            | CESSNA          | BEARING                  |
| 5/25/2003                     | 310Q   |            |                 | FAILED<br>NLG            |
| <a href="#">CA040106007</a>   | CESSNA | CONT       | MAGNETO         | DAMAGED                  |
| 11/21/2003                    | 337C   | IO360C     | 10790206        | ENGINE                   |
| <a href="#">CA040130007</a>   | CESSNA | CONT       | HOUSING         | CRACKED                  |
| 1/6/2004                      | 337G   | IO360G     | C6FF10555A      | ALTERNATOR               |
| <a href="#">2004FA0000173</a> | CESSNA | CONT       | DOWNLOCK SWITCH | FAILED                   |
| 1/22/2004                     | 340A   | TSIO520*   |                 | MLG                      |
| <a href="#">BHA03RS</a>       | CESSNA | CONT       | ENGINE          | DAMAGED                  |
| 2/23/2004                     | 340A   | TSIO520NB  |                 | RIGHT                    |

|                               |           |           |       |                  |                  |
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| <a href="#">CA040105004</a>   | CESSNA    | CONT      |       | STRUT            | CRACKED          |
| 12/16/2003                    | 421A      | GTSIO520D |       | 519400113        | MLG              |
| <a href="#">6521</a>          | CESSNA    |           |       | BEAM             | CRACKED          |
| 2/17/2004                     | 421C      |           |       | 505403042        | NACELLE          |
| <a href="#">2004FA0000069</a> | CESSNA    | CONT      |       | EXHAUST RISER    | DAMAGED          |
| 12/23/2003                    | 421C      | GTSIO520* |       | 89243            | LT ENGINE        |
| <a href="#">2004FA0000087</a> | CESSNA    | GARRTT    |       | MASTER SWITCH    | DESTROYED        |
| 12/22/2003                    | 441       | TPE331*   |       | CM358950         | COCKPIT          |
| <a href="#">CA040220007</a>   | CESSNA    | GARRTT    |       | VALVE            | FAILED           |
| 2/18/2004                     | 441       | TPE3318   |       | 47061            | ENERGENCY PRESS  |
| <a href="#">40188138</a>      | CESSNA    | PWA       |       | BRACKET          | CRACKED          |
| 2/26/2004                     | 500CESSNA | JT15D1    |       | 556555026        | BALANCE WEIGHT   |
| <a href="#">CGLMK1</a>        | CESSNA    |           |       | CONNECTOR        | MISMANUFACTURED  |
| 2/16/2004                     | 550       |           |       | 65280073         | LE HEAT          |
| <a href="#">2004FA0000141</a> | CESSNA    |           |       | LINE             | CHAFED           |
| 11/5/2003                     | 650       |           |       |                  | HYDRAULIC SYSTEM |
| <a href="#">2004FA0000182</a> | CESSNA    | GARRTT    |       | CHECK VALVE      | CRACKED          |
| 2/4/2004                      | 650       | TFE731*   |       | 40117            | CABIN PRESSURE   |
| <a href="#">CA040105007</a>   | CESSNA    | CONT      |       | CONTROL CABLE    | FRAYED           |
| 12/3/2003                     | A185E     | IO520D    |       | 0510105325       |                  |
| <a href="#">2004FA0000074</a> | CESSNA    |           |       | LINE             | CRACKED          |
| 12/19/2003                    | A185F     |           |       | 3A0900002        | HYD SYSTEM       |
| <a href="#">2004FA0000231</a> | CESSNA    | CONT      |       | ACTUATOR         | CRACKED          |
| 4/23/2003                     | P210N     | TSIO520P  |       | 98820001         | MLG              |
| <a href="#">2004FA0000234</a> | CESSNA    | LYC       |       | PLATE            | CRACKED          |
| 2/6/2004                      | R182      | O540*     |       | C50462           | PROP BULKHEAD    |
| <a href="#">2004FA0000075</a> | CESSNA    | LYC       |       | CONTACTOR        | SHORTED          |
| 12/14/2003                    | R182      | O540J3C5  |       | S15771           | STARTER          |
| <a href="#">2004FA0000195</a> | CESSNA    | LYC       |       | PLUG             | LOOSE            |
| 2/4/2004                      | R182      | O540J3C5  |       | 61510            | CRANKSHAFT       |
| <a href="#">2004FA0000085</a> | CESSNA    | CONT      | SLICK | IMPULSE COUPLING | LOOSE            |
| 12/5/2003                     | T188C     | TSIO520*  |       |                  | MAGNETOR         |
| <a href="#">2004FA0000198</a> | CESSNA    | CONT      |       | OIL COOLER       | CRACKED          |
| 2/4/2004                      | T210L     | TSIO520*  |       | 654585           | ENGINE           |
| <a href="#">21200004</a>      | CESSNA    | CONT      |       | AUTOPILOT SYS    | DEFECTIVE        |
| 2/21/2004                     | T210L     | TSIO520*  |       | 55X              | COCKPIT          |
| <a href="#">2004FA0000021</a> | CESSNA    | CONT      |       | VERNATHERM       | FAILED           |
| 12/26/2003                    | T210M     | TSIO520R  |       | 639305           | OIL COOLER       |

|                               |            |           |              |                 |                 |
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| <a href="#">2004FA0000205</a> | CESSNA     | CONT      |              | CYLINDER        | MISMANUFACTURED |
| 2/10/2004                     | T210N      | TSIO520R  |              | AEC631397SN712B | ENGINE          |
| <a href="#">2004FA0000199</a> | CESSNA     | CONT      |              | INLET           | MISMANUFACTURED |
| 2/2/2004                      | T210N      | TSIO520R  |              | K1250860M105    | TURBO EXH SYS   |
| <a href="#">2004FA0000204</a> | CESSNA     | CONT      |              | AUTOPILOT SYS   | MALFUNCTIONED   |
| 2/20/2004                     | T210N      | TSIO520R  |              | ST566           | COCKPIT         |
| <a href="#">2004FA0000009</a> | CHRIS      | LYC       |              | FLYING WIRE     | BROKEN          |
| 12/12/2003                    | A1         | O360A1D   |              |                 | TAIL UP         |
| <a href="#">2004FA0000222</a> | CIRRUS     |           |              | CAGE            | FAILED          |
| 1/7/2004                      | SR22       |           |              | BA111           | AIR FILTER      |
| <a href="#">N4848M</a>        | CURTIS     |           |              | CHARGER         | BURNED          |
| 10/8/2003                     | TRVAIR2000 |           |              |                 | MASTER BATTERY  |
| <a href="#">2004FA0000219</a> | CVAC       | ALLSN     | AEROPRODTSXX | O-RING          | CUT             |
| 1/13/2004                     | 440        | 501D13    |              | 6873725012      | TRANSFER TUBE   |
| <a href="#">CA031222001</a>   | DHAV       | PWA       |              | WHEEL           | FRACTURED       |
| 12/17/2003                    | DH82       | PW123     |              | 3006202         | MLG             |
| <a href="#">CA040225007</a>   | DHAV       | PWA       |              | HINGE           | CRACKED         |
| 7/14/2003                     | DHC2MK1    | R985AN14B |              | C3TE37ND        | ELEVATOR        |
| <a href="#">CA040213007</a>   | DHAV       | PWA       |              | TORQUE TUBE     | CORRODED        |
| 2/10/2004                     | DHC2MK1    | R985AN14B |              | C2CF209         | RUDDER PEDAL    |
| <a href="#">CA040213008</a>   | DHAV       | PWA       |              | TORQUE TUBE     | WORN            |
| 2/10/2004                     | DHC2MK1    | R985AN14B |              | C2T7A           | ELEVATOR        |
| <a href="#">CA040213009</a>   | DHAV       | PWA       |              | HOUSING         | CRACKED         |
| 2/10/2004                     | DHC2MK1    | R985AN14B |              | C2TP11          | ELEVATOR        |
| <a href="#">CA040213010</a>   | DHAV       | PWA       |              | JACKSCREW       | CORRODED        |
| <a href="#">2004FA0000078</a> | DHAV       | PWA       |              | STRUT           | CRACKED         |
| 11/20/2003                    | DHC3       | PT6A135   |              | C3UF811         | MLG FLOAT       |
| <a href="#">CA040219005</a>   | DHAV       | PWA       |              | CONTROL COLUMN  | CRACKED         |
| 1/29/2004                     | DHC3       | PT6A34    |              | C3CF3915        | COCKPIT         |
| <a href="#">CA031218004</a>   | DHAV       | PWA       |              | ROD             | WORN            |
| 12/17/2003                    | DHC3       | S3H1G     |              | C3CF4187        | ELEVATOR TAB    |
| <a href="#">CA040127003</a>   | DHAV       | PWA       |              | CONTROL ARM     | CRACKED         |
| 10/1/2003                     | DHC3       | S3H1G     |              | C3CF1709        | LT TE FLAP      |
| <a href="#">CA040219001</a>   | DIAMON     | ROTAX     |              | EXHAUST STACK   | BROKEN          |
| 2/16/2004                     | DA20A1     | ROTAX912  |              | 2078000107      | CYLINDER HEAD   |
| <a href="#">CA040213003</a>   | DIAMON     | ROTAX     | BOMBDR       | EXHAUST STACK   | CRACKED         |
| 2/9/2004                      | DA20A1     | ROTAX912  |              | 2078000107      | CYLINDER HEAD   |
| <a href="#">CA040213001</a>   | DIAMON     | ROTAX     | BOMBDR       | EXHAUST STACK   | FRACTURED       |

|                               |         |            |        |                 |                  |
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| 2/9/2004                      | DA20A1  | ROTAX912   |        | 2078000103      | CYLINDER HEAD    |
| <a href="#">CA031223006</a>   | DIAMON  | ROTAX      | BOMBDR | SOCKET          | CRACKED          |
| 12/19/2003                    | DA20A1  | ROTAX912F3 |        | 922230          | CYLINDER HEAD    |
| <a href="#">2004FA0000230</a> | DIAMON  | CONT       |        | SLEEVE          | LOOSE            |
| 2/20/2004                     | DA20C1  | IO240A     |        | 2055300099      | RUDDER HINGE PIN |
| <a href="#">CA040127013</a>   | DIAMON  | CONT       |        | PUMP            | FAILED           |
| 12/16/2003                    | DA20C1  | IO240B     |        | 6533512         | FUEL SYSTEM      |
| <a href="#">2004FA0000130</a> | GULSTM  |            |        | SPAR            | CRACKED          |
| 1/22/2004                     | 112     |            |        |                 | RUDDER           |
| <a href="#">102203WHR</a>     | GULSTM  | RROYCE     | GULSTM | DOOR SEAL       | DEBONDED         |
| 10/22/2003                    | GIV     | TAY6118    |        | 1159SCB2022     | CARGO DOOR       |
| <a href="#">1022031237WHR</a> | GULSTM  | RROYCE     | GULSTM | DOOR SEAL       | DEBONDED         |
| 10/22/2003                    | GIV     | TAY6118    |        | 1159SCB2022     | ZONE 800         |
| <a href="#">CA040127017</a>   | HUGHES  | LYC        |        | NUT             | LOOSE            |
| 1/5/2004                      | 269C1   | HO360C1A   |        | 269A54021       | FREEWHEEL UNIT   |
| <a href="#">54140</a>         | LEAR    | GARRTT     |        | PLENUM          | CRACKED          |
| 1/19/2004                     | 31      | TPE33110UG |        | 310166811       | ENGINE           |
| <a href="#">CA040203001</a>   | LEAR    | GARRTT     |        | DOWNLOCK SWITCH | FALSE INDICATION |
| 1/30/2004                     | 35LEAR  | TFE73122B  |        | 1EN18           | RT MLG           |
| <a href="#">BROWN2004001</a>  | LEAR    |            |        | PYLON           | VIBRATION        |
| 2/23/2004                     | 45LEAR  |            |        |                 | ENG PYLON        |
| <a href="#">CA040224001</a>   | LEAR    | PWA        | EATON  | PRESSURE SWITCH | FALSE INDICATION |
| 2/18/2004                     | 60LEAR  | PW305A     |        | 282D0007505     | HCU              |
| <a href="#">18069</a>         | LKHEED  | WRIGHT     |        | STRUCTURE       | CRACKED          |
| 3/3/2004                      | P2V7    | R3350*     |        |                 | LT WING          |
| <a href="#">2004FA0000070</a> | MARSH   | GARRTT     |        | RIB             | CRACKED          |
| 12/24/2003                    | S2F3S   | TPE331*    |        | 121CS100011     | HORIZONTAL STAB  |
| <a href="#">2004FA0000060</a> | MARSH   | GARRTT     |        | RIB             | CRACKED          |
| 12/24/2003                    | S2F3S   | TPE331*    |        | 121C3100011     | STABILIZER       |
| <a href="#">2004FA0000168</a> | MAULE   | LYC        |        | WIRE            | DAMAGED          |
| 1/18/2003                     | MXT7180 | O360C1F    |        |                 | RT SEAT CONVERTE |
| <a href="#">2004FA0000186</a> | MOONEY  | LYC        |        | MAGNETO         | FAILED           |
| 1/14/2004                     | M20C    | IO360A1A   |        | 4347            | ENGINE           |
| <a href="#">2004FA0000200</a> | MOONEY  | LYC        | DUKES  | GEAR            | WORN             |
| 7/10/2003                     | M20J    | IO360A1A   |        | B10076          | MLG ACTUATOR     |
| <a href="#">2004FA0000201</a> | MOONEY  | LYC        |        | WORM GEAR       | WORN             |
| 6/10/2003                     | M20J    | IO360A1A   |        | B10076          | MLG ACTUATOR     |
| <a href="#">WYNBRANDT</a>     | MOONEY  | CONT       |        | FLUID           | SOLIDIFIED       |

|                               |          |          |        |                |                  |
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| 2/2/2004                      | M20K     | TSIO360* |        | MIL H5606      | BRAKE SYS        |
| <a href="#">ROSENBERG</a>     | MOONEY   | CONT     |        | FLUID          | SOLIDIFIED       |
| 1/23/2004                     | M20R     | IO550*   |        | MIL H-5606     | BRAKE SYSTEM     |
| <a href="#">2004FA0000054</a> | MOONEY   | CONT     |        | CYLINDER       | CRACKED          |
| 1/9/2004                      | M20R     | IO550G   |        |                | ENGINE           |
| <a href="#">2004FA0000216</a> | MOONEY   | CONT     | MOONEY | ROLL PIN       | SHEARED          |
| 2/17/2004                     | M20R     | IO550G   |        | P1912506252M   | LT MLG TUBE      |
| <a href="#">2004FA0000129</a> | NAMER    |          |        | SPAR           | CRACKED          |
| 1/22/2004                     | T28C     |          |        |                | RUDDER           |
| <a href="#">2004FA0000073</a> | PILATS   | PWA      |        | BOLT           | BROKEN           |
| 1/13/2004                     | PC1245   | PT6A67B  |        | 532.10.12.077  | MLG              |
| <a href="#">CA040123004</a>   | PILATS   | PWA      |        | INSULATION     | CHAFED           |
| 1/14/2004                     | PC1245   | PT6A67B  |        |                | ELECTRICAL WIRE  |
| <a href="#">2004FA0000188</a> | PIPER    |          |        | SELECTOR VALVE | BROKEN           |
| 2/6/2004                      | PA18150  |          |        |                | FUEL SYSTEM      |
| <a href="#">2004FA0000218</a> | PIPER    |          |        | PISTON         | SEIZED           |
| 2/1/2004                      | PA24 180 |          |        | C4784          | PROPELLER        |
| <a href="#">2004FA0000013</a> | PIPER    | LYC      |        | ROD            | BROKEN           |
| 1/1/2004                      | PA24250  | O540*    |        | A8268          | PISTON ASSY      |
| <a href="#">2004FA0000065</a> | PIPER    | LYC      |        | CONTROL CABLE  | MISROUTED        |
| 12/4/2003                     | PA24250  | O540A1D5 |        | ALCON93882     | MIXTURE          |
| <a href="#">2004FA0000016</a> | PIPER    | LYC      |        | BELLCRANK      | CRACKED          |
| 12/19/2003                    | PA24260  | TIO540*  |        | 2018500        | RUDDER           |
| <a href="#">2004FA0000053</a> | PIPER    |          |        | THROTTLE       | STUCK            |
| 1/6/2004                      | PA28140  |          |        |                | ENGINE           |
| <a href="#">2004FA0000000</a> | PIPER    | LYC      |        | WIRE           | MISINSTALLED     |
| 9/18/2003                     | PA28161  | O320*    |        | GMA340         | AUDIO PANEL CONN |
| <a href="#">2004FA0000029</a> | PIPER    | LYC      |        | STIFFENER      | CRACKED          |
| 11/5/2003                     | PA28181  | O360*    |        | 62086002       | RT WING          |
| <a href="#">2004FA0000224</a> | PIPER    | LYC      |        | SKIN           | CRACKED          |
| 2/10/2004                     | PA28181  | O360*    |        | 63396802       | RUDDER           |
| <a href="#">2004FA0000225</a> | PIPER    | LYC      |        | HOUSING        | BROKEN           |
| 2/6/2004                      | PA28181  | O360A4M  |        |                | ALTERNATOR       |
| <a href="#">2004FA0000059</a> | PIPER    | LYC      | BENDIX | FLOW DIVIDER   | BYPASSING        |
| 1/12/2004                     | PA28R180 | IO360B1E |        | 2524321        | FUEL SYSTEM      |
| <a href="#">2004FA0000247</a> | PIPER    |          |        | BOLT           | MISSING          |
| 2/27/2004                     | PA28R200 |          |        | 453199         | NLG UPLOCK       |
| <a href="#">2004FA0000249</a> | PIPER    | LYC      |        | HOSE           | MISROUTED        |

|                               |           |            |          |             |                  |
|-------------------------------|-----------|------------|----------|-------------|------------------|
| 2/27/2004                     | PA28R200  | IO360A1A   |          | 63901038    | FUEL SYSTEM      |
| <a href="#">2004FA0000246</a> | PIPER     | LYC        |          | BOLT        | MISSING          |
| 2/27/2004                     | PA28R200  | IO360A1A   |          | 400885      | NLG DOWNLOCK     |
| <a href="#">2004FA0000089</a> | PIPER     | LYC        |          | TIRE        | DEFECTIVE        |
| 10/15/2003                    | PA28R200  | IO360A1A   |          | 60064PLY    | MLG              |
| <a href="#">CA040130008</a>   | PIPER     | LYC        |          | TRUNNION    | CRACKED          |
| 1/27/2004                     | PA28R200  | IO360C1C   |          | 67054003    | NLG              |
| <a href="#">2004FA0000132</a> | PIPER     | LYC        |          | INDICATOR   | FAILED           |
| 1/16/2004                     | PA28RT201 | IO360C1C6  |          | 303770      | TURN COORDINATOR |
| <a href="#">CA040202001</a>   | PIPER     | LYC        |          | SEAL        | BLOWN            |
| 2/11/2004                     | PA30      | IO320B1A   |          | LW13792     | PROPELLER        |
| <a href="#">CA040106005</a>   | PIPER     | LYC        |          | DOWNLOCK    | INOPERATIVE      |
| 12/9/2003                     | PA31      | TIO540A2B  |          | 4195200     | MLG              |
| <a href="#">CA040219006</a>   | PIPER     | LYC        |          | AXLE        | BROKEN           |
| 2/18/2004                     | PA31      | TIO540A2B  |          | 4041304     | MLG              |
| <a href="#">2004FA0000180</a> | PIPER     | LYC        |          | REGULATOR   | FAILED           |
| 12/10/2003                    | PA31350   | TIO540*    |          | A23D04      | FUEL SYSTEM      |
| <a href="#">CA040125001</a>   | PIPER     | LYC        |          | PUMP        | FAILED           |
| 1/22/2004                     | PA31350   | TIO540J2BD |          | 1213HBG310A | HYD SYSTEM       |
| <a href="#">CA040127018</a>   | PIPER     | LYC        |          | LINE        | LEAKING          |
| 1/24/2004                     | PA31350   | TIO540J2BD |          | 465299      | FUEL SYSTEM      |
| <a href="#">CA040127004</a>   | PIPER     | LYC        |          | CYLINDER    | WORN             |
| 12/17/2003                    | PA31350   | TIO540J2BD |          | LW12966     | RT ENGINE        |
| <a href="#">CA040103001</a>   | PIPER     | LYC        |          | TORQUE TUBE | CORRODED         |
| 1/2/2004                      | PA31350   | TIO540J2BD |          | 4004009     | RUDDER           |
| <a href="#">CA040129008</a>   | PIPER     | LYC        |          | BRACKET     | BENT             |
| 1/22/2004                     | PA31350   | TIO540J2BD |          |             | NLG              |
| <a href="#">CA040128005</a>   | PIPER     | LYC        | CONT     | BEARING     | CONTAMINATED     |
| 1/9/2004                      | PA31350   | TIO540J2BD | 3200     |             | MAGNETO          |
| <a href="#">CA040218004</a>   | PIPER     | LYC        |          | CYLINDER    | INOPERATIVE      |
| 2/12/2004                     | PA31350   | TIO540J2BD |          | LW12966     | ENGINE           |
| <a href="#">CA040218001</a>   | PIPER     | LYC        |          | SERVO       | INOPERATIVE      |
| 2/12/2004                     | PA31350   | TIO540J2BD |          | 40002928511 | ELEVATOR TRIM    |
| <a href="#">CA040218002</a>   | PIPER     | LYC        |          | SERVO       | JAMMED           |
| 2/12/2004                     | PA31350   | TIO540J2BD |          | 40002928511 | ELEVATOR TRIM    |
| <a href="#">CA040218003</a>   | PIPER     | LYC        |          | CYLINDER    | DAMAGED          |
| 2/12/2004                     | PA31350   | TIO540J2BD |          | LW12966     | ENGINE           |
| <a href="#">CA040106003</a>   | PIPER     | LYC        | AIRBORNE | SHAFT       | BROKEN           |

|                               |             |            |            |             |                  |
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| 12/19/2003                    | PA31350     | TIO540J2BD |            |             | DRY AIR PUMP     |
| <a href="#">CA040105002</a>   | PIPER       | LYC        | AIRBORNE   | SHAFT       | BROKEN           |
| 8/17/2003                     | PA31350     | TIO540J2BD |            |             | HYD PUMP         |
| <a href="#">CA040106006</a>   | PIPER       | LYC        |            | LATCH       | INOPERATIVE      |
| 12/31/2003                    | PA31350     | TIO540J2BD |            |             | PROPELLER        |
| <a href="#">2004FA0000015</a> | PIPER       | LYC        |            | SKIN        | CORRODED         |
| 12/10/2003                    | PA32301     | IO540*     |            | 68501801    | FUSELAGE         |
| <a href="#">2004FA0000144</a> | PIPER       | LYC        |            | TRUNNION    | CRACKED          |
| 1/12/2004                     | PA32R301    | IO540*     |            | 67054003    | NLG              |
| <a href="#">O05R200400010</a> | PIPER       |            |            | BLADE       | OUT OF TOLERANCE |
| 2/13/2004                     | PA34200     |            |            | FJC7666A    | PROPELLER        |
| <a href="#">2004FA0000248</a> | PIPER       | LYC        |            | RETAINER    | LOOSE            |
| 2/27/2004                     | PA34200     | IO360A1A   |            | 67502 000   | RT MLG           |
| <a href="#">2004FA0000139</a> | PIPER       |            |            | CAP         | LOOSE            |
| 1/9/2004                      | PA34220T    |            |            | 39824804    | LT FUEL CELL     |
| <a href="#">NI1R200400001</a> | PIPER       |            |            | BOLT        | SHEARED          |
| 2/11/2004                     | PA44180     |            |            |             | NLG              |
| <a href="#">GARMINGTX327</a>  | PIPER       |            |            | TRANSPONDER | FALSE INDICATION |
| 12/15/2003                    | PA44180     |            |            | 0110049000  | ATC SYSTEM       |
| <a href="#">2004FA0000018</a> | PIPER       | LYC        |            | O-RING      | LEAKING          |
| 11/24/2003                    | PA44180     | O360*      |            |             | SHUTOFF VALVE    |
| <a href="#">CA040220001</a>   | PIPER       | LYC        |            | PISTON RING | CRACKED          |
| 2/19/2004                     | PA44180     | O360*      |            |             | ENGINE           |
| <a href="#">2004FA0000051</a> | PIPER       | CONT       |            | FASTENER    | LOOSE            |
| 1/9/2004                      | PA46310P    | TSIO520*   |            | 824872      | ENGINE MOUNT     |
| <a href="#">2004FA0000052</a> | PIPER       | CONT       |            | FITTING     | LOOSE            |
| 1/9/2004                      | PA46310P    | TSIO550C   |            | 824872      | ENGINE MOUNT     |
| <a href="#">2004FA0000014</a> | PIPER       | LYC        |            | PLUG        | LOOSE            |
| 11/19/2003                    | PA46350P    | TIO540AE2A |            | STD91       | ENGINE           |
| <a href="#">YK1R062001</a>    | RAYTHN      | GARRTT     |            | APU         | FAILED           |
| 2/27/2004                     | HAWKER800XP | TFE7313R1H |            | GTCP36150W  | APU BAY          |
| <a href="#">CA040219004</a>   | RAYTHN      | GARRTT     |            | ENGINE      | MISRIGGED        |
| 12/31/2003                    | HAWKER800XP | TFE7315BR  |            | TFE7315BR   | LT & RT          |
| <a href="#">CA040220004</a>   | ROBSIN      | LYC        | PRESTOLITE | WHEEL       | BROKEN           |
| 2/16/2004                     | R44         | O540F1B5   |            | 902241      | ALTERNATOR       |
| <a href="#">CA040217005</a>   | ROBSIN      | LYC        |            | BEARING     | FAILED           |
| 2/10/2004                     | R44         | O540F1B5   |            | LW13521     | CONNECT ROD      |
| <a href="#">CA040217006</a>   | ROBSIN      | LYC        |            | HEAT SHIELD | DEPARTED         |

|                               |        |             |        |               |              |
|-------------------------------|--------|-------------|--------|---------------|--------------|
| 11/6/2003                     | R44    | O540F1B5    |        | D3181         | TAIL PIPE    |
| <a href="#">CA040213006</a>   | SKRSKY | GE          | SKRSKY | SPAR          | CRACKED      |
| 2/2/2004                      | S61N   | CT581402    |        | 6117020201067 | M/R BLADE    |
| <a href="#">2004FA0000080</a> | UNIVAR | CONT        |        | SPAR          | CORRODED     |
| 1/19/2004                     | 415C   | C8512F      |        |               | CENTER WING  |
| <a href="#">2004FA0000090</a> | UNIVAR | CONT        |        | STIFFENER     | DAMAGED      |
| 12/12/2003                    | 415CD  | C75*        |        |               | CENTER WING  |
| <a href="#">01070422H</a>     | UNIVAR |             |        | SPAR CAP      | CORRODED     |
| 1/7/2004                      | 415D   |             |        |               | WING         |
| <a href="#">CA040126007</a>   | ZLIN   | LYC         |        | SPRING        | BROKEN       |
| 1/26/2004                     | Z242L  | AEIO360A1B6 |        | Z4242170001   | NLG STEERING |

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