

## SERVICE BULLETIN

**Hawker**

**TITLE: LANDING GEAR - MAIN LANDING GEAR JACK IMPROVED SERVO BLOCK MOUNTING**

### 1. Planning Information

#### A. Effectivity

(1) Airplanes

DH.125 Series 1A; HS.125 Series 1B; DH.125 Series 1A-522; HS.125 Series 1B-522;  
DH.125 Series 1A/R-522; HS.125 Series 1B/R-522; DH.125 Series 1A/S-522;  
HS.125 Series 1B/S-522; DH.125 Series 3A; HS.125 Series 3B; DH.125 Series 3A/R;  
HS.125 Series 3B/R; DH.125 Series 3A/RA; HS.125 Series 3B/RA; HS.125 Series 3B/RB;  
HS.125 Series 3B/RC; HS.125 Series F3B; HS.125 Series F3B/RA; BH.125 Series 400A;  
DH.125 Series 400A; HS.125 Series 400A; HS.125 Series 400B; HS.125 Series 400B/1;  
HS.125 Series 401B; HS.125 Series 403A(C); HS.125 Series 403B; HS.125 Series F400B;  
HS.125 Series F403B; BH.125 Series 600A; HS.125 Series 600A; HS.125 Series 600B;  
HS.125 Series 600B/1; HS.125 Series 600B/2; HS.125 Series 600B/3; HS.125 Series F600B;  
HS.125 Series 700A; HS.125 Series 700B; BAe.125 Series 800A; BAe.125 Series 800A (C-29A);  
BAe.125 Series 800A (U-125); BAe.125 Series 800B; BAe.125 Series 1000A;  
BAe.125 Series 1000B; Hawker 1000 and Hawker 800;

Hawker 800 (U-125A), up to and including Serial Number 258797;

Hawker 800XP and Hawker 850XP, up to and including Serial Number 258770.

If you are no longer in possession of the airplane, please forward this information to the present owner.

(2) Spares

None.

The export of these commodities, technology or software are subject to the US Export Administration Regulations. Diversion contrary to U.S. law is prohibited. For guidance on export control requirements, contact the Commerce Department's Bureau of Export Administration at 202-482-4811 or at [www.bxa.doc.gov](http://www.bxa.doc.gov).

Raytheon Aircraft Company (RAC) issues Service Information for the benefit of owners and fixed base operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspections and modifications that could affect safety or crashworthiness. RAC also issues Service Bulletins with no red border which are designated as either recommended or optional in the compliance section within the bulletin. In the case of recommended Service Bulletins, RAC feels the changes, modifications, improvements or inspections will benefit the owner/operator and although highly recommended, Recommended Service Bulletins are not considered mandatory at the time of issuance. In the case of Optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion.


Both classes are mailed to:

- (a) RAC Authorized Service Centers.
- (b) Owners of record on the FAA Aircraft Registration Branch List and the RAC International Owner Notification/Registration Service List.
- (c) Those having a publications subscription.

Information on Owner Notification Service or subscription can be obtained through any RAC Authorized Service Center. As Mandatory Service Bulletins and Service Bulletins are issued, temporary notification in the Service Bulletin Master Index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with the RAC Warranty Policy.

Unless otherwise designated, RAC Mandatory Service Bulletins, Service Bulletins and RAC Kits are approved for installation on RAC airplanes in original or RAC modified configurations only. RAC Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than RAC approved kits.

**Beechcraft**

 Member of GAMA  
General Aviation  
Manufacturers Association

**Hawker**

Issued: October, 2006

**SB 32-3777**

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### **B. Reason**

This Service Bulletin is being issued because Raytheon Aircraft Company (RAC) has received two (2) reports of tire disintegration during takeoff in which pieces of tire struck the main landing gear retraction jack, resulting in separation of the servo block from the cylinder. Separation of the servo block resulted in loss of normal and emergency hydraulic pressure. This Service Bulletin is being issued to install main landing gear jack P/N AIR48502-7 and P/N AIR48503-7 with improved servo block mounting for improved resistance to tire debris.

### **C. Description**

This Service Bulletin provides instructions for replacing the existing main landing gear retraction jacks with P/N AIR48502-7 and P/N AIR48503-7.

### **D. Compliance**

Raytheon Aircraft Company recommends that this Service Bulletin be accomplished at the next retraction jack overhaul or replacement.

#### **NOTE**

APPH LTD has Service Bulletins to upgrade Main Landing Gear jacks to AIR48502-7 and AIR48503-7.

### **E. Approval**

The engineering data contained in this Service Bulletin is FAA approved.

### **F. Manpower**

The following information is for planning purposes only:

Estimated man-hours: 5 hours.

Suggested number of men: 1 man.

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

### **G. Weight and Balance**

None.

### **H. Electrical Load Data**

Not changed.

### **I. Software Accomplishment Summary**

Not applicable.

### **J. References**

Aircraft Maintenance Manual (AMM) Chapter 32-30.

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**K. Publications Affected**

It is recommended that a note "See Service Bulletin No. 32-3777" be made in the appropriate chapter of the applicable Illustrated Parts Catalog.

**L. Interchangeability of Parts**

Not applicable.

**M. Warranty Credit**

None.

**2. Material Information****A. Materials - Price and Availability**

On application to the following address:

RAPID  
P.O. Box 85  
Wichita, Kansas 67201-0085  
U.S.A.  
Tele: 316-676-5000 or 1-888-RAPID44  
Fax: 316-676-3131 or 1-888-853-4629

**B. Industry Support**

Not applicable.

**C. Airplanes**

The following parts required for accomplishment of this Service Bulletin may be ordered through a Raytheon Aircraft Authorized Service Center or RAPID:

Item No.	Part Number	Description	Quantity Per Airplane
1	AIR48502-7	LH Main Landing Gear Jack	1
2	AIR48503-7	RH Main Landing Gear Jack	1

Raytheon Aircraft Company expressly reserves the right to supersede, cancel and/or declare obsolete, without prior notice, any parts or publications that may be referenced in this Service Bulletin.

**D. Spares**

Not applicable.

**E. Reidentified Parts**

None.

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### F. Tooling - Price and Availability

Not applicable.

### 3. Accomplishment Instructions

This Service Bulletin shall be accomplished as follows:

#### NOTE

Should any difficulty be encountered in accomplishing this Service Bulletin, contact Raytheon Aircraft Company 1-800-429-5372 or 316-676-3140.

#### A. Airplane

#### WARNING

Observe all Warnings and Cautions contained in the aircraft manuals referenced in this Service Bulletin.

Whenever any part of this system is dismantled, adjusted, repaired or renewed, detailed investigation must be made on completion to make sure that distortion, tools, rags or any other loose articles or foreign matter that could impede the free movement and safe operation of the system are not present, and that the systems and installations in the work area are clean.

- (1) Remove all power from the airplane and disconnect the batteries. Display warning notices prohibiting reconnection of airplane electrical power.
- (2) Refer to Aircraft Maintenance Manual (AMM) Chapter 32-30 and accomplish the following:
  - (a) Remove the existing left hand and right hand main landing gear jacks as detailed.
  - (b) Install the new left hand main landing gear jack P/N AIR48502-7 and the new right hand main landing gear jack P/N AIR48503-7 as detailed.
- (3) Reconnect the airplane batteries, remove warning notices and restore power.
- (4) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (5) Return airplane to service.

#### B. Spares

Not applicable.

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### C. Record of Compliance

Record the accomplishment of this Service Bulletin in the aircraft technical records.

Report accomplishment on the attached Service Bulletin/Kit Drawing Report Fax with the relevant airplane and Mod details to the following address:

Manager, Hawker Model Group,  
Raytheon Aircraft Company,  
Product Support Department (211),  
P.O. Box 85,  
Wichita, Kansas 67201-0085  
U.S.A.  
Fax: 316-676-3400  
Tele: 316-676-3140 or 1-800-429-5372.