

# SERVICE BULLETIN NO. MSB1078-159/3

## I. TECHNICAL DETAILS

### 1.1 Category

Mandatory

Note: GROB issues Service Bulletins of category Mandatory (MSBs), if the information or instructions have a precautionary or safety intent either related to design or conformity and to publish revisions of manuals (AFM, AMM, IPC).

### 1.2 Airplanes affected

G115 all S/N with Parker brake cylinder P/N 10-30 or 10-30B installed

### 1.3 Time of Compliance

Models G 115, G 115A, G115B, G 115C, G 115C2: on holder discretion

Models G 115D, G 115D2, G 115E, G 115EG, G 115TA: before next annual inspection

Note: Accomplishment of OSB1078-159 (all revisions) is accepted as accomplishment of this service bulletin

### 1.4 Subject

ATA-Code: 32-40 Wheels and Brakes

Alternate brake cylinder

### 1.5 Reason

The manufacturer (OEM) of the brake cylinder now offers an improved model (P/N 10-30D) for increased reliability, higher loads during aerobatic operation and general product improvement. This Service Bulletin approves the installation into the affected aircraft IAW para. 1.2. The application of this bulletin is mandatory for aerobatic certified aircrafts while recommended for non-aerobatic certified aircrafts, as listed in para. 1.3.

The new standard brake cylinder P/N 10-30D may replace both, the 10-30 and 10-30B on a one-by-one basis. Mixed configurations are not approved.

The configuration of the aircraft is affected by this Service Bulletin.

Revision 1 of this Service Bulletin gives reference to later revisions of P/N 115C-4321/1 and 115C-4322/1.

Revision 2 of this Service Bulletin changes the service bulletin to mandatory, except for non-aerobatic certified aircraft for which the application remains recommended.

Revision 3 corrects the reference to the applicable aircraft model for replacement parts.

Note: The revision index c or later denotes modifications that do not affect fit, form and function. Modifications affecting fit, form and function will be indicated by a changed dash number and will be approved for implementation by revision of this SB.

### 1.6 Concurrent documents

Service Bulletin Parker No. SB7093, latest issue

Corresponding AMM and IPC

**G 115**

## 1.7 Approval Note:

These information or instructions relate to change no. OÄM1078-63 which has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.030

The technical content of this document is approved under the authority of the DOA ref. EASA.21J.030.

## 1.8 Accomplishment/ Instructions

- 1.8.1. Make the aircraft safe for parking I.A.W. MM chapter 10-10.
- 1.8.2. Check the installed brake cylinders. If they are P\N 10-30 or 10-30B, then do one of the following three alternative tasks. Remove and install brake cylinders I.A.W. MM chapter 32-40.
  - Modify the brake cylinder 10-30 or 10-30B I.A.W Parker SB 7093 latest revision. For this option, use the item 1 of List 2.2; or
  - Replace the brake cylinder with 10-30D (item 2 of List 2.2); or
  - Replace the brake cylinder with GROB P/N (items 3 and 4 of List 2.2).
- 1.8.3. Release the aircraft into service according to national requirements.

Note: Mixed configurations are not approved.

## 1.9 Repetitive Actions:

Overhaul recommended every 1000 hours for aerobatic certified aircraft (refer to Parker SB7093)

## II. PLANNING INFORMATION

### 2.1 Weight and CG

N/A

### 2.2 Material and Availability

Brake cylinders P/N 10-30D, Service Bulletin kits P/N 7093-1 or assembly with GROB P/N, as listed below, may be ordered from Grob Aircraft SE.

For G 115, G 115A, [G115B](#), G 115C, G 115C2, [G 115D](#), [G 115D2](#) and G 115E

Item	P/N	Description	Qty. / A/C
1	SB7093-1	Brake Cylinder Upgrade Kit	4
2	10-30D	Brake Cylinder Assy	4
3	115C-4321/1 Rev. c or later	Brake Master Cylinder, LH	2
4	115C-4322/1 Rev. c or later	Brake Master Cylinder, RH	2

For G 115EG

Item	P/N	Description	Qty. / A/C
1	SB7093-1	Brake Cylinder Upgrade Kit	4
2	10-30D	Brake Cylinder Assy	4
3	115EG-4321	Brake Master Cylinder, LH	2
4	115EG-4322	Brake Master Cylinder, RH	2

**G 115**

For G 115TA:

Item	P/N	Description	Qty. / A/C
1	SB7093-1	Brake Cylinder Upgrade Kit	4
2	10-30D	Brake Cylinder Assy	4
3	115TA-5303	Brake Master Cylinder, LH	2
4	115TA-5304	Brake Master Cylinder, RH	2

Note: Brake cylinders with GROB P/N come as an assembly with fittings installed.

## 2.3 Special Tools

N/A

## 2.4 Labor costs

N/A

## 2.5 Reference documents

Service Bulletin Parker No. SB7093, latest issue

## 2.6 Credit

N/A

### III. REMARKS

The instructions in paragraph 1.8 have to be accomplished and certified in the logbook by authorized staff:

- in EASA countries according to EASA Part 66.
- in non-EASA countries according to national regulations with respect to maintenance.

If you have sold your aircraft in the meantime, we kindly ask you to forward this information to the new owner and to provide us with the name and address of the new owner as well as with the respective serial number.

For questions and assistance or in case of occurrence please contact:

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