

Cleveland

Wheels & Brakes

Parker Hannifin Corporation

Aircraft Wheel & Brake

1160 Center Road

Avon, Ohio 44011 USA

1-800-BRAKING (272-5464)

440-937-1315 • FAX 440-937-5409

SERVICE BULLETIN

Upgrade of 30-266B Brake Assembly to 30-266C Configuration

EFFECTIVITY: All Parker Hannifin P/N 30-266B Brake Assemblies

APPLICABILITY: All Eclipse 500 aircraft equipped with Parker 30-266B Brake Assemblies.

REASON: Product Improvement – new bleeder seat introduction for enhanced durability. This new configuration was requested by Eclipse in order to track introduction of the new bleeder seat 081-02000. The new bleeder seat is more robust than the previous bleeder seat 081-00500 and is a product upgrade. Occasional incidents of 081-00500 part failures have been attributed to a combination of minimum material properties and overtorquing

DESCRIPTION: This document provides the instructions for upgrading the 30-266B Brake Assembly to the 30-266C configuration. Rework is to be performed by Parker Hannifin Aircraft Wheel & Brake Division. Field rework per the following Instructions is also permitted.

COMPLIANCE: Recommended – at the time of overhaul.

APPROVAL: The design contents of this Service Bulletin are FAA DER approved.

WEIGHT & BALANCE: No change.

PUBLICATIONS: CM30-266C Maintenance Manual available to Eclipse Aviation.

MATERIALS:	Parker Part Number	Description	Quantity
	SB7092	Service Bulletin (This document)	1
	081-02000	Seat, Bleeder	2
	101-00600	Packing, Preformed	2
	166-27000	Nameplate	1
	183-00100	Cap, Bleeder	2
	104-12000	Plug (if needed)	1
	101-00600	Packing, Preformed (if needed)	1



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INSTRUCTIONS:

Note:

It is recommended that the P/N 30-266B Brake Assembly, P/N 40-440B Wheel Assembly, and P/N 067-16100 Axle Spacer be removed from the aircraft per the Aircraft Maintenance Manual before performing the following instructions. If the brakes are reworked while installed on the aircraft, take the proper precautions to prevent the inhalation of aluminum particles and to prevent contamination of other aircraft systems. Parker Hannifin is not responsible for damage resulting from rework that does not conform to the instructions in this document. Brake Assemblies may also be returned to Parker Hannifin, Aircraft Wheel & Brake Division for upgrade.

1. Remove the following components from each P/N 30-266B Brake Assembly:

Parker			
<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Action</u>
183-00100	Cap, Bleeder	2	Retain (if present)
079-00300	Screw, Bleeder	2	Retain
081-00500	Seat, Bleeder	2	Discard
101-00600	Packing, Preformed	2	Discard
104-10100	Plug	1	Discard (if present)
101-00600	Packing, Preformed, Plug	1	Discard (if present)
166-26400	Nameplate *	1	Discard

(The nameplate has a coating of clear acrylic lacquer which must also be removed).

2. Install the following new components and dry torque to 60-70 lb-in:

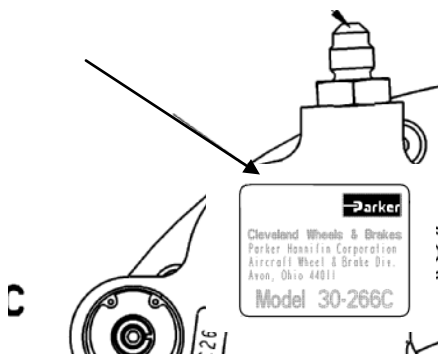
Parker		
<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
101-00600	Packing, Preformed	2
081-02000	Bleeder Seat	2
104-12000	Plug	1 (if needed)
101-00600	Packing, Preformed	1 (if needed)

3. Re-install the P/N 079-00300 Bleeder Screws and dry torque to 12-20 lb-in.
4. Install the P/N 183-00100 Bleeder Caps.
5. Remove or obliterate the engraved characters "30-266B" on the brake cylinder housing using a pencil grinder, vibro-etcher, or similar process. Do not obliterate by stamping since this may damage the brake cylinder. Material removed from the lettering pad must not extend below the adjacent forged surface.
6. Alodine reworked area per EPS4202-1 (MIL-C-5541E, Class 1A). Apply topcoat to touch up damaged paint per EPS4125-1 (MIL-PRF-85285D, Type 1, Class H, Color 17925 - Untinted White).
7. Clean the area where the P/N 166-26400 Nameplate was removed using a water-based cleaner / degreaser (per AMS 1526).

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8. Apply the following component in the location indicated. This nameplate will identify the brake assembly as "Model 30-266C."

Parker		
<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
166-27000	Nameplate	1



9. If applicable, reinstall the P/N 30-266C Brake Assembly, P/N 067-16100 axle spacer, and P/N 40-440B Wheel Assembly onto the aircraft axle.
10. Bleed the hydraulic system per the Aircraft Maintenance Manual.
11. Make appropriate log book entries regarding compliance to this bulletin.
12. Return aircraft to service.