




30, rue Pierre-Georges LATECOERE
 05130 TALLARD – FRANCE
 Tel: +33 (0)4 92 20 16 19 Fax: +33 (0)4 92 52 69 66
 e-mail: contact@beringer-aero.com

SERVICE BULLETIN

SB-015

Revision	Description	Date	Approval
0	Initial Revision	June 20, 2019	

	Europe	USA
Contact:	BERINGER AERO 30, rue Pierre-Georges LATECOERE 05130 TALLARD – FRANCE	BERINGER AERO USA 400 Birnie Street – Suite E Greenville, SC 29611
Technical Support:	+33 492 201 619 support@beringer-aero-usa.com	(864)-214-4274 support@beringer-aero-usa.com

Table of Contents

1. EFFECTIVITY	2
2. PURPOSE	2
3. BACKGROUND	3
4. COMPLIANCE	3
5. INSTRUCTIONS.....	4
5.1 INSPECTION.....	4
5.2 REPLACEMENT OF COTTER PINS	5



1. EFFECTIVITY

The following part numbers are affected by this service bulletin:

EA-003.3N	EA-004.1N	EA-008.1N	EA-011.1N
EA-003.4N	EA-004.1NL	EA-008.2N	
EA-003.5N	EA-004.1NR	EA-008.3N	
EA-003.6N	EA-004.2NL	EA-008.4N	
EA-003.7N	EA-004.2NR	EA-008.7N	
EA-003.10N	EA-004.3NL		
	EA-004.3NR		
	EA-004.3EL		
	EA-004.3ER		
	EA-004.4NL		
	EA-004.4NR		
	EA-004.5NL		
	EA-004.5NR		

2. PURPOSE

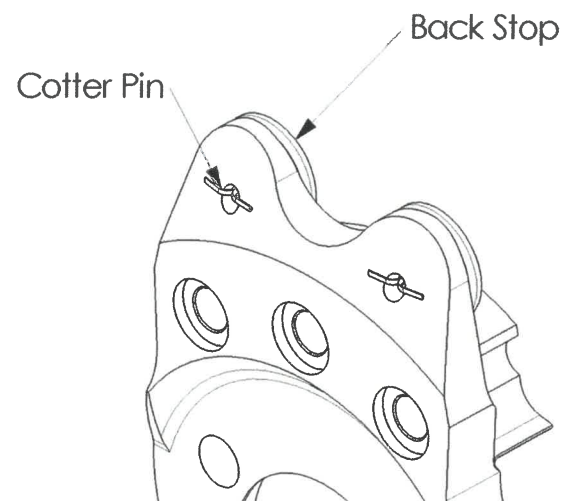
Replacement of cotter pin (ISO1234) to prevent scratching of the inner wheel half.
Cotter pins should be replaced as follows:

- **L-V-001 (1.2x10mm)** to be replaced by **L-V-011 (1.2x8mm)** for P/Ns
 - EA-003.3N
 - EA-003.4N
 - EA-003.5N
 - EA-003.6N
 - EA-003.7N
 - EA-003.10N
 - EA-004.1N
 - EA-004.1NL
 - EA-004.1NR
 - EA-004.2NL
 - EA-004.2NR
 - EA-004.3NL
 - EA-004.3NR
 - EA-004.3EL
 - EA-004.3ER
 - EA-004.4NL
 - EA-004.4NR
 - EA-004.5NL
 - EA-004.5NR
- **L-V-002 (1.2x16mm)** to be replaced by **L-V-010 (1.2x12mm)** for P/Ns
 - EA-008.1N
 - EA-008.2N
 - EA-008.3N
 - EA-008.4N
 - EA-008.7N
 - EA-011.1N

Cotter pin material must be Stainless Steel 304L or 316L

3. BACKGROUND

The cotter pin securing the back stop on the brake assembly back plate can be displaced from the as installed position. This can occur during unpackaging and first installation, maintenance, or at any other time when the parts are handled. If the cotter pin tails are raised from the surface of the back plate or rotated 90° from the initial orientation then they are at risk for contacting the inner wheel half and scratching the anodized finish.



4. COMPLIANCE

At the next annual inspection or change of brake disc, brake pad, or tire [Whichever occurs first].

The occurrence of this scratch is not an airworthiness or safety issue. To prevent damage to the wheel half, it is recommended to inspect the cotter pins as soon as practical.

5. INSTRUCTIONS

5.1 Inspection

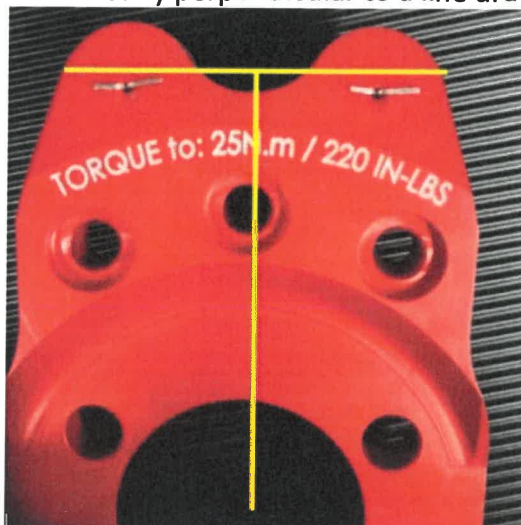
- Remove the wheel and tire assembly per the instructions in the applicable maintenance manual.
- Inspect the inner wheel half for circular scratches. An inner wheel half with a continuous circular scratch that has removed the anodizing must be replaced.



- This scratch has been caused by cotter pins that have been displaced from the initial orientation which is set and controlled during manufacturing.



- The cotter pin tails must be nearly perpendicular to a line drawn vertically through the axle.



5.2 Replacement of cotter pins

- Remove the existing cotter pins.
- Clean the indent in the backplate using water with soap or cleaning solvent and wipe dry with a clean cloth.

CAUTION: Do not use basic or acid agent on wheel halves. Anodizing can be totally removed within few minutes in contact with basic agent. Make sure that cleaning soap is not basic.

- Lubricate the contact area between back stops and back plate with silicone grease

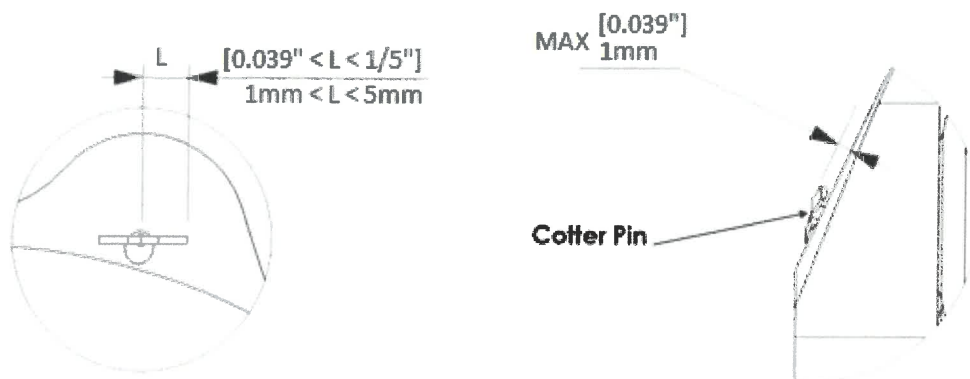
NOTE: Use silicone grease (-50°C to 200°C) compliant with FDA CFR art. 178.3570 (liquid grease in spray is not allowed) or SAE-AS8660 or MIL-S-8660C



- Set the back stops into the indent and insert new cotter pins to secure the back stops, the cotter pins must be bent close to the back plate on each side as per the picture below:

NOTE: Take care not to scratch the back plate anodized finish while bending the cotter pins.

NOTE: Back stops must be fitted with no clearance on the backplate.



- Install the wheel and tire assembly per the instructions in the ETSO maintenance manual or STC document where applicable.

END