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SERVICE BULLETIN

SB-017

Revision	Description	Date	Checked	Approval
0	Initial Revision	25 November 2020	 	 
1	Procedure replacement (§5.2)	05 July 2022	 	 

	Europe	USA
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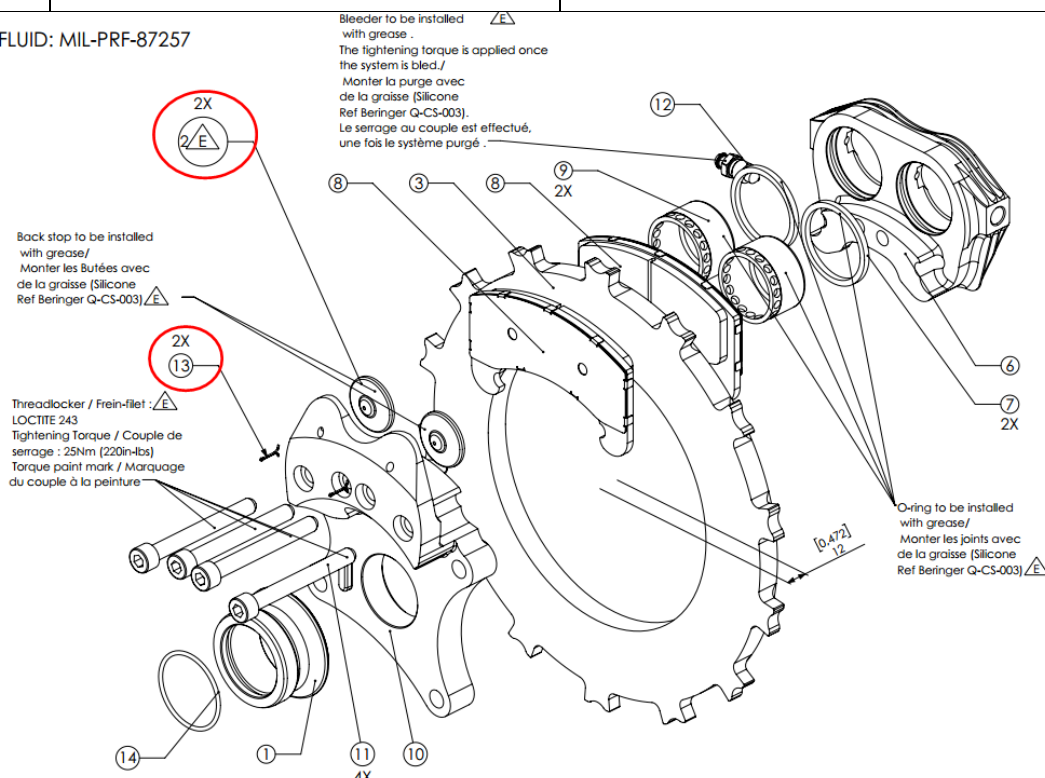


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1. EFFECTIVITY

This service bulletin has to be applied to the following products:

P/N	Affected S/N or batches (prior or equal to)
EA-008.1N	372
EA-008.2N	357
EA-008.4N	002
EA-008.7N	022
EA-011.1N	005



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2. PURPOSE

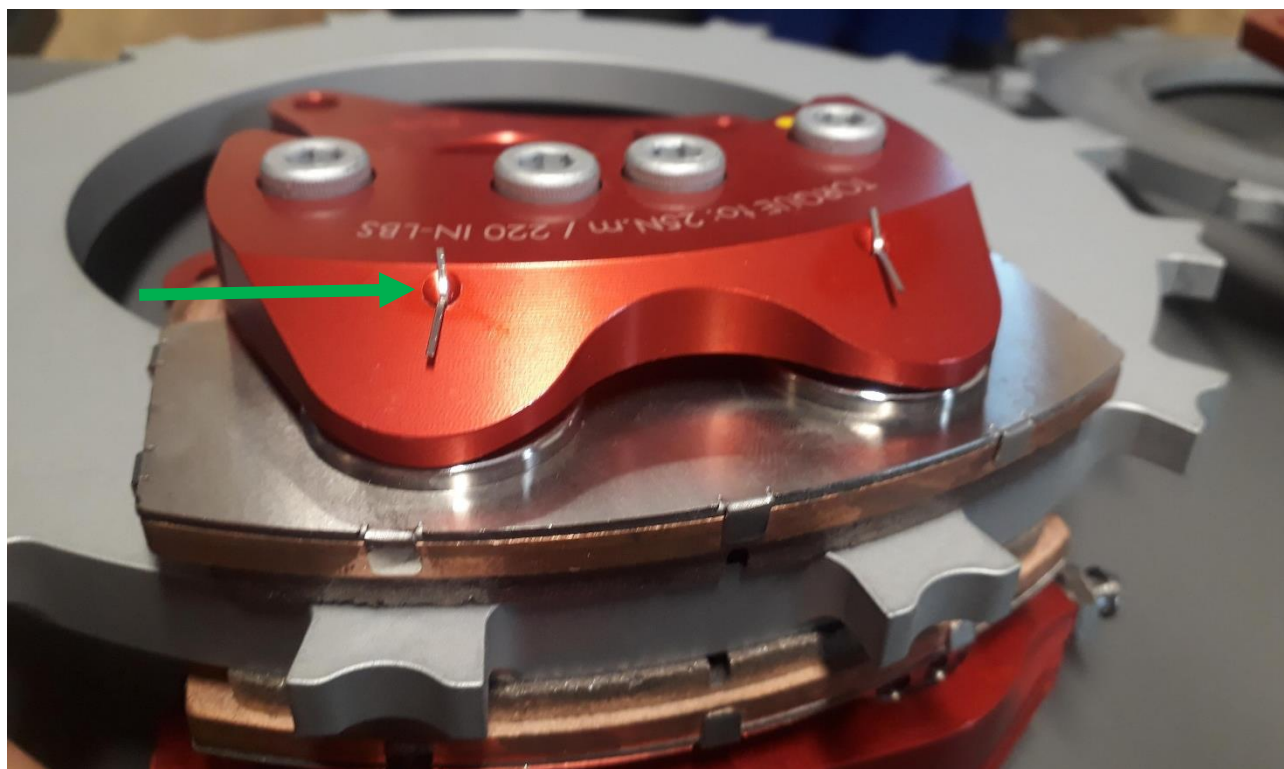
Replacement of Backstop BTR-002 in order to put the cotter-pin (ISO1234) backward. The goal is to prevent scratching of the inner wheel half by the tails of the cotter pin.

Backstop BTR-002(B) supersedes BTR-002(A) to allow this modification.

3. BACKGROUND

(The normal orientation of the cotter-pin is when the tails are tangential to the disc).

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.





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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.



5.2 Replacement of backstop + cotter-pin

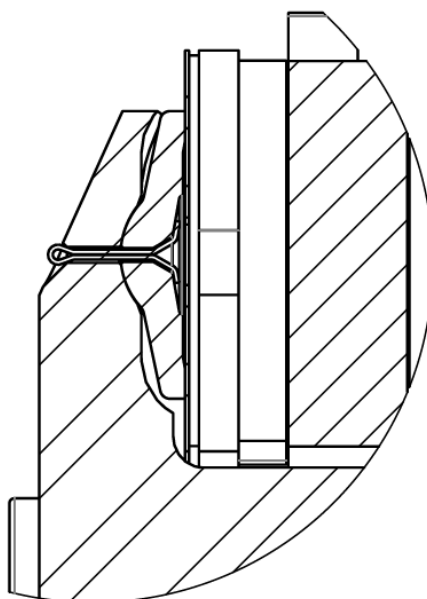
- Remove the existing cotter pins.
- Clean the indent in the backplate using water with soap or cleaning solvent and wipe dry with a clean cloth.

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

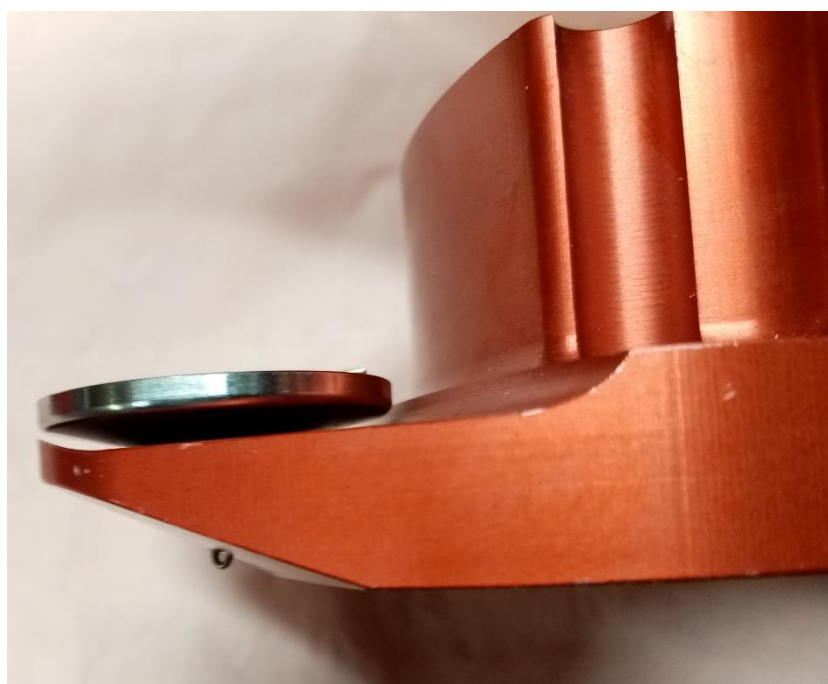
Install new backstop design with a new long cotter-pin (BERINGER P/N: **L-V-012** or industry standard **MS24665-071**) installed in the other direction (see below). *The “eye” of the cotter-pin must be out of the brake caliper.*

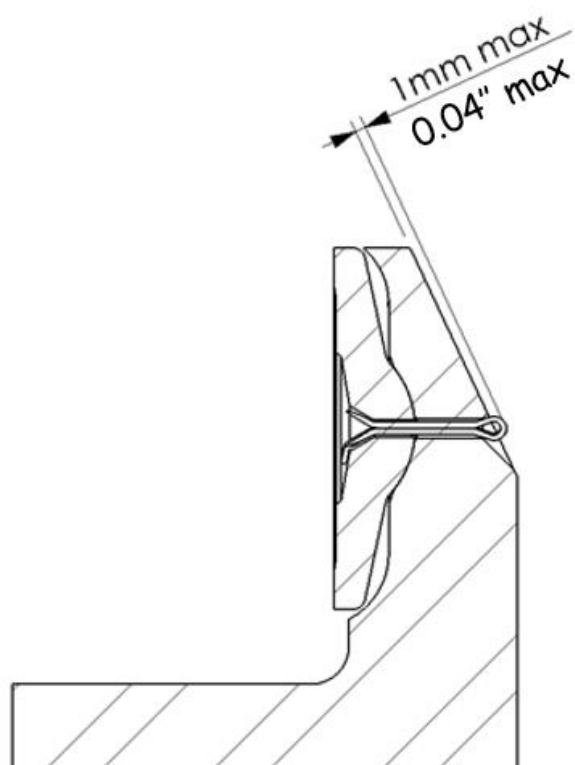


- Pull the cotter pin with pliers.



- The “eye” of the cotter pin must flush less than 1mm (0.04”).





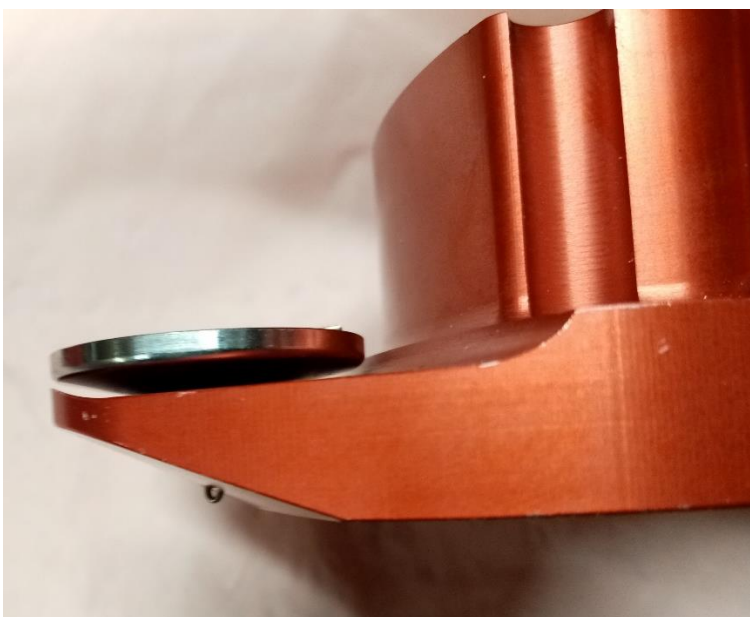
- Bend the tails of the cotter pin with a flat screwdriver without play. Do not hesitate to use your finger to maintain the cotter pin in position while bending the tails.



- Cut the tails of the cotter pin with cutting pliers. The length of the tails shall be less than the inner diameter of the chamfer of the backstop (in red on the picture below).



- Bend again the tails of the cotter pin with a flat screwdriver, as previously.



END