

Technical Service Bulletin – 005

DB AIR/CS inner air can to end eye installation Addition of Stop shim AAD1543 to AIR/CS air can Asm.

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Overview

In late August an effort was made to implement this stop shim In DB Air and DB Air CS. This stop was added to correct an alignment issue with the inner air can to end eye assembly. During installation of the end eye we noticed the end of the shaft will cut in to the bottom of the end eye creating grooves. This may cause the end eye to torque out of alignment to the damper shaft making the inner air can extremely tough to install into the end eye. The effects of this alignment issue will cause the following.

- The end eye may not thread on the inner air can.
- Damper shaft may be bent during installation of end eye to inner air can.
- Inner air can will be damaged upon removal from end eye.
- Quad rings in the Oil Seal Head and Air Piston can be damaged from side loading.

Solution

Stop shim AAD1543 has been added between the end eye and damper shaft. This .13mm [.005"] blue tempered spring steel shim provides a flat bottom for the shaft to torque against. The torque to install the end eye has been changed from 5.6 to 4.6Nm. The addition of the stop shim will allow for easy assembly of the end eye to inner air and should eliminate the current issues.

