

PARTS & SERVICE NEWS

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SUBJECT: 930E WET DISC BRAKE FACE SEAL TORIC RING MATERIAL

PURPOSE: To inform the field of toric material changes that have been made for the 930E wet disc brake face seals.

APPLICATION: Komatsu 930E Dump Trucks A30002 & Up

FAILURE CODE: 2E40Z9

DESCRIPTION: Wet Disc Brake Face Seal Toric Ring Material Changed.

During the product life of the 930E, changes have been made regarding the material of the toric rings which are used in the wet disc brake face seals. Provided in this document are the reasons for these changes and clarification as to why the new material is appropriate for the face seal toric rings.

In February of 1997, the 27 inch internal face seal in the rear brake assembly changed from PB6038 to PC0179. During this change, the toric material changed from silicone to Hydrogenated Nitrile Butadiene Rubber (HNBR). The primary reason for the material change was that HNBR, when compared to silicone, has a better chemical compatibility with the EP additives that are in the synthetic gear lube of the wheel motor transmission.

In November of 1999, the external 34 inch face seal on the front and rear brake assemblies changed from PB8863 to PC0651. During this change, as with the internal face seal, the toric material changed from silicone to HNBR. The primary reason for the change is that HNBR is more resistant to abrasion and cutting compared to silicone.

All face seals in use on the 930E should be the black HNBR toric rings. The original yellow silicone material is now obsolete.