

PARTS & SERVICE NEWS

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Page 1 of 2

SUBJECT: REAR SUSPENSION CHARGING HEIGHT

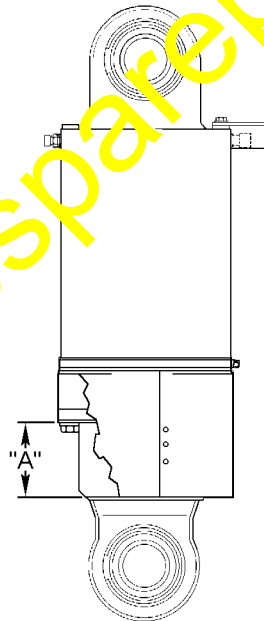
PURPOSE: To inform the field of proper charging guidelines.

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
530M: A30001 - A30038
HD1500: A30039 & up

FAILURE CODE: 5A40PB

DESCRIPTION: Revised guidelines for charging of the rear suspension cylinders.

A revision has been made to the instructions for charging the rear suspension cylinders of the specified trucks. Observe the following changes noted in this bulletin.



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FIGURE 1. REAR SUSPENSION CYLINDER
CHARGING HEIGHT

The charging height for dimension "A" in Figure 1, is listed in *Section H* of the shop manuals as 234 ± 10 mm (9.20 ± 0.40 in.). This dimension, however, is the desired dimension for the suspension cylinders at the **proper operating temperature, only**. This dimension must not be exceeded or excessive driveline angles will be produced, resulting in damage to the powertrain.

Charging a cold cylinder to the specified height may cause the cylinder to extend out of specifications after warm-up occurs.

In order to prevent excessive driveline angles, it is recommended that the cylinders be charged to an initial height dimension (Dimension "A") of 200 ± 10 mm (7.87 ± 0.40 in.). After the rear suspension has been charged to the initial height, the truck should then be driven for several minutes to allow the suspension to reach a stable operating temperature. The rear suspension cylinders should then be adjusted to 234 ± 10 mm (9.20 ± 0.40 in.).

NOTE: When measuring Dimension "A", measure from the end of the rod to the retainer. DO NOT measure the capscrews that secure the retainer to the cylinder housing.

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