



# *Service Letter*

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## **Service Letter No. 453 May, 1996**

**SUBJECT: Brake Lash Setting for Caterpillar 3176B and C-10 Engines**

**MODELS AFFECTED: 310 and 310A**

The slave piston lash setting on Jake Brake® Models 310 and 310A has been changed from 0.020" (0.51 mm) to 0.025" (0.64 mm).

This change was developed jointly by Caterpillar and Jacobs. It is intended to help prevent Jake Brake and/or engine performance loss due to wear-in of valve train components and/or improperly adjusted slave piston lash. New engines delivered by Caterpillar starting with 3176B (9CK28128) and C-10 (2PN1096) have the new slave piston lash settings of 0.025" (0.64 mm).

It is recommended that the new slave piston lash setting specification of 0.025" (0.64 mm) be applied to earlier 3176B (9CK) and C-10 (2PN) engines at the first service opportunity.

The information contained in this service letter has also been communicated by Caterpillar to its service organization in "Truck Engine News" for March, 1996 and in Service Letter PS8632 dated April 15, 1996.

Slave piston lash settings for Jacobs engine brakes used on 3176 (7LG, 2YG) and C-12 (1YN) are not affected by this change. Continue to use the setting published for each engine serial number/brake model combination.

This is a Jacobs product improvement and not subject to campaign through Jacobs.