



Service Letter

Service Letter No. 430 February, 1995

SUBJECT: Release of Models 317D/317E for Caterpillar 3176 Engines

MODELS AFFECTED: 317D/317E

Jacobs Vehicle Equipment Company announces the Release for Sale of the Jake Brake Models 317D and 317E for Caterpillar 3176 series engines. These models replace the Models 317B and 317C, respectively, which are no longer available.

The Jake Brake Model 317D has been designed and approved for use on Caterpillar 3176/3176B engines with engine serial numbers 7LG07500 and above (275 hp and 300 hp ratings **only**), 7LG07499 and below (all hp ratings), and 2YG prefixes. It replaces the Models C317, C317A, and 317B as the current production model. The Jake Brake Model 317D uses a lash setting of 0.045" in all applications. Note that this setting is different from the models which it replaces. A lash setting gage, P/N 016896, is available.

The Jake Brake Model 317E has been designed and approved for use on Caterpillar 3176/3176B engines with engine serial numbers 7LG07500 and above (325 hp and 350 hp ratings **only**). It replaces the Model 317C as the current production model. The Jake Brake Model 317E uses a lash setting of 0.020" in all applications. A lash setting gage, P/N 018424, is available.

The Model 317D housing can be used as a replacement for Models C317, C317A and 317B housings, and the Model 317E housing can be used to replace a Model 317C housing. When replacing a single Model C317, C317A, or 317B housing, use the Model 317D Housing Assembly, P/N 020099, and set **all** slave piston lashes on the engine as before (0.045" on pre-91 engines, 0.050" on '91 engines). When replacing a Model 317C housing, use the Model 317E Housing Assembly, P/N 020118, and set all lashes to 0.020" as before.

The Caterpillar 3176 is a fully electronic engine. Three different electronic control groups are available, depending on model year and whether or not the vehicle has anti-lock braking: The PWM Electronic Control Group, P/N 016587, is for all pre-1991 engines ("2YG" prefix); the Relay Group, P/N 018427, is for all "7LG" prefix engines *with* ABS; and the Relay Group, P/N 018428, is for all "7LG" prefix engines *without* ABS.

Any inventory of the Model 317B and 317C should be used.

This is a Jacobs product advisory and not subject to campaign.