

# Service

## BULLETIN #135

FEBRUARY 1998

PAGE 1/1

MODELS AFFECTED

**C10353 3116/3126 CATERPILLAR®**

SUBJECT

**NEW ORIFICE SIZE FOR 3126B 1998 3-VALVE ENGINES (ARRANGEMENT (7AS)).**

Caterpillar Engine Co. has released the new 1998 3126B 3-valve engine. Pacbrake engineering has determined that this new engine requires a different orifice size to generate the maximum allowable backpressure at 2400 R.P.M.

The new Pacbrake for this application is a C10353, which has 2 orifice holes with a .368" diameter. The previous C10350 has 2 orifice holes of .3125" diameter. **THE C10350 CANNOT BE USED ON THE NEW 3126B ENGINE. MISAPPLICATION MAY CAUSE SERIOUS ENGINE DAMAGE.**

C10350 and C10353 are packaged at the Pacbrake factory with appropriate identification and caution tags. However, if a check reveals that a C10350 has been installed on a new 3126B engine the following modification can be performed:

1. Remove exhaust brake.
2. Using an air fitting and air pressure, apply the brake.
3. Drill out the two existing valve plate orifice holes using a "U" letter size drill.
4. Clean brake thoroughly and detach air line.
5. Reinstall brake and torque "V" clamps to 15 lbs.ft. (20 N•m)
6. Stamp the letter "B" after the serial number on the serial number tag to show the modification was performed.

**Pacbrake** Service

**PACBRAKE®**  
ENGINE & EXHAUST BRAKES