Product
INFORMATION

SUBJECT | **P-39B**

APPLICATION | **INTRODUCTION OF PACBRAKE P-39B FOR CATERPILLAR C-15/16**
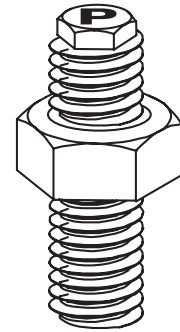
Pacbrake has introduced a new model engine brake for the Caterpillar C-15/16 (3406E) engines

The P-39B engine brake incorporates a new Paclash slave piston adjusting screw. This new Paclash screw PN P39084 can be identified by the engraved "P" on the top end (see diagram).

The lash setting requirement for all C-15/16 engines equipped with the P-39B is now 0.033". The procedure for adjustment has also changed considerably and it is critical that this new procedure is followed precisely to attain the best performance.

This lash adjustment procedure is specifically for Paclash PN 39084. Do not use this lash adjustment procedure for the previously used Paclash PN P39079.

The P39084 Paclash screw can also be used for Pacbrake P-39A. Screw replacement on P-39A models requires all six be replaced as both the lash setting and the procedure varies. A mix of screws on the same engine will make future servicing very difficult.

Lash adjustment procedure:

1. Insert a .033" feeler gage between the slave piston link and the rocker arm. Turn the adjusting screw clockwise until the feeler gage is tight, then turn the adjusting screw one additional turn and wait one full minute. This will allow the oil to be purged from the internal workings of the adjustment screw and allow the plunger time to compress.

2. Once the time has lapsed, slowly turn the adjusting screw counter clockwise until a slight drag is felt on the feeler gage. Try not to back the adjustment screw off too much or the plunger may try and extend causing a lash in excess of .033".

3. Hold the screw and torque the lock nut to 25 lbs. ft. (34 N•m). Recheck clearance and readjust if necessary.

4. Repeat on the remaining cylinders with closed exhaust valves.

5. Rotate the crankshaft 360Þ, then adjust the remaining cylinders

6. Double check all lock nuts for correct torque.

This is a product improvement and not subject to campaign.

Pacbrake Service

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