

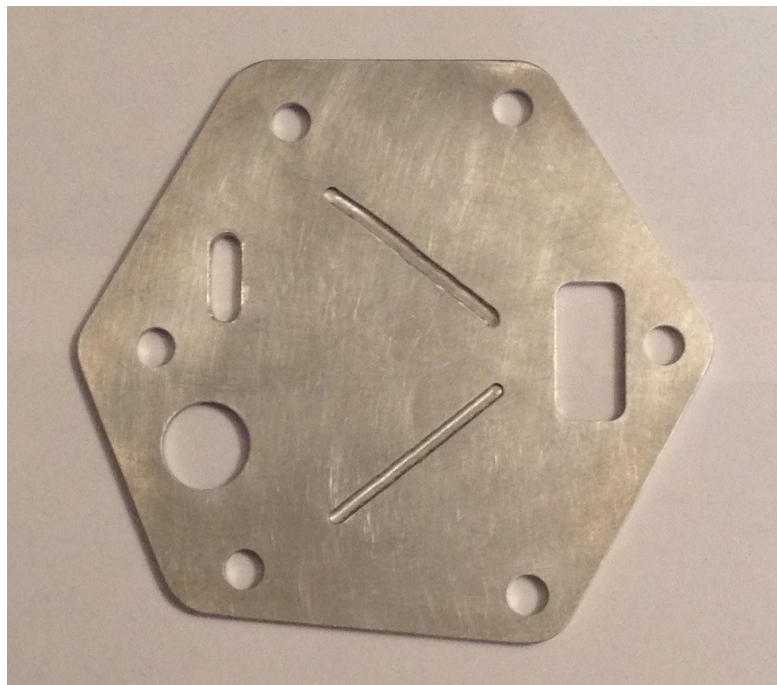
Mike's

AUTOMOTIVE
MACHINE &
Performance

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V-6, 350, 400, 430 & 455 oil pressure booster plate AMP # 2140KB



Originally designed and sold by Kenne-Bell to re-route all bypass oil back to oil inlet
Improved version with anti-aeration grooves and larger passage
now offered by AM&P

\$35.00

PLEASE

Read and follow all instructions

INSTALLATION INSTRUCTIONS

AMP #2140KB OIL PRESSURE BOOSTER PLATE

Fig. 1

NOTE: Fits all 1961-87 Buick V6 and 1961-76 V8 engines.

Use the appropriate spring for your housing

The 2.55" spring is for 1979-up filter housings.

The 3.1" long spring is for pre-1979 housings.

NEVER install the short 2.55" spring in the pre-1979 housings or the pressure relief valves will be deactivated resulting in serious engine damage.

Use T/A 1502 Oil Pressure Regulator to fine tune oil pressure settings.

- 1 Remove oil filter housing from front cover
- 2 Remove oil pressure relief spring and relief valve from housing.
- 3 Scrape gasket from housing and front cover. Make sure both surfaces are smooth and flat. (milling may be required)
- 4 **1980-up Filter Housings (Fig. 3)**
Lay the AMP Booster Plate over the filter housing and line up the bolt holes. Then mark the outline of the oil inlet passage using the booster plate as a template - onto the housing. Grind out a 1/2" wide slot as shown (relief passage) approximately the same depth as the housing floor. Imagine you're cutting a notch out of a wall for the oil to bypass.

Pre-1980 Filter Housing (Fig. 4)

Drill or grind out a 1/4" hole (relief passage) as shown in figure 2. Imagine you're cutting a notch out of a wall for the oil to bypass.

- 5 After modifications, clean all parts with solvent or soap and hot water. Blow out all passages with air, lubricate relief valve and assemble with flat side of the relief valve first.
- 6 Reinstall pump gears, assemble with a gasket on each side of booster plate and filter housing. Check clearance to make sure you have .002-.003 with plastigage.
- 7 Reassemble, pack cavity with Vaseline (**do not use grease!**). Use no silicone or other sealer on gaskets. **Attaching bolts need to be .125 longer than stock**