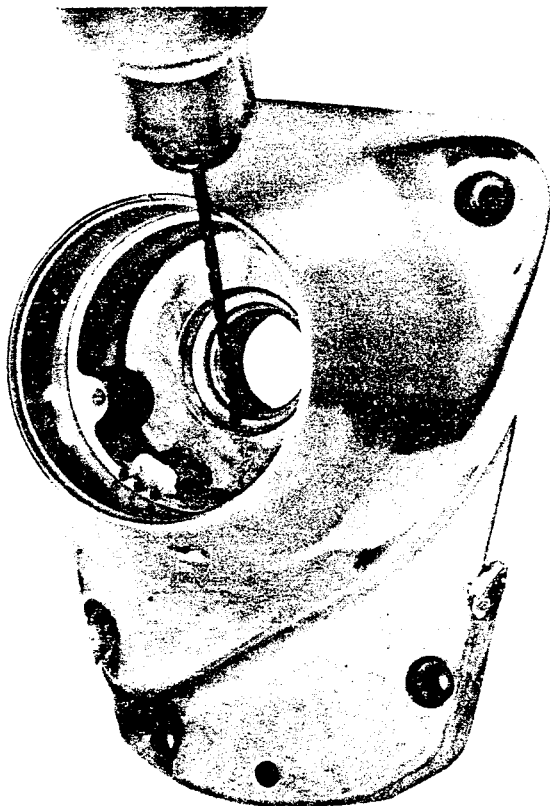


**GEAR CASE COVER OIL RELIEF HOLE / 1970 ELECTRA GLIDE**

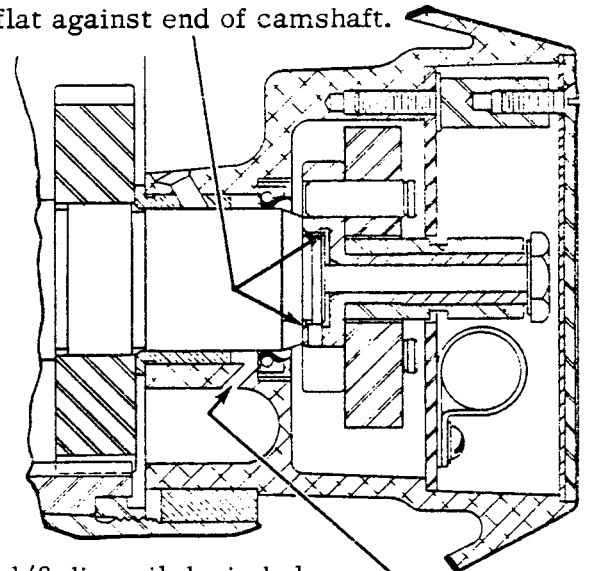
Starting with Electra Glide engine serial No. 12974, a hole has been added through the gear case cover flywheel shaft bushing boss to relieve possible pressure buildup in the pocket between the bushing and seal. In some cases, oil pressure buildup has caused leakage into the circuit breaker compartment or has blown out the lip type seal.

If desired, the oil hole can be drilled in gear case covers of engines below serial No. 12974 as follows: Remove circuit breaker cam bolt, breaker plate, advance assembly and gear case cover from engine. Remove oil seal from cover using a puller, or prying it out of recess. (A new seal must be installed when parts are reassembled.) Center punch and drill a 1/8 diameter hole through the aluminum boss, as shown in the illustration. Note that the hole should be located between the bushing and the seal. It should come out on the outside of the boss so that any accumulation of oil can drain from the recess between the seal and the bushing, then back into the gear case compartment. Install new oil seal and reassemble cover and circuit breaker on engine.

Set ignition timing according to procedure in Owner's Manual. Be sure to check circuit breaker point gap on BOTH cam lobes. If variation exceeds .002 in., correction must be made by checking for proper assembly of parts. Check advance plate assembly, Part No. 32629-70, for correct seating on end of camshaft. Interference between this part and camshaft end will cause the cam to tilt when center bolt is tightened resulting in unequal point gap. Correct by replacing plate or repair plate to provide necessary clearance as shown in the illustration below.



Chamfer edge and remove burrs from inside of recess in plate. Plate must seat flat against end of camshaft.



Drill 1/8 dia. oil drain hole.

HARLEY-DAVIDSON MOTOR CO., INC.