

INSTRUCTIONS

453-3271C
453-3271N
453-454C

GEAR DRIVE INSTRUCTIONS BIG AND SMALL BLOCK CHEVY

If this gear drive is being fitted to an already assembled engine, place number 1 cylinder to top, dead center (firing) before removing the original sprockets and chain. Then simply fit gear drive with timing marks in line as per diagram. Due to the accuracy of these gear drives, it is recommended that the cam be degreed in for optimum performance.

The axles must have between .005" to .020" clearance to the timing cover, when pressed firmly against the block, this is achieved by grinding the tapered end of the axle to obtain the desired clearance.

The kit is supplied with "anti-walk button" and lock tab for cam bolts. This anti-walk button must also have between .005" to .020" clearance to the timing cover with the cam pushed hard against thrust washer (supplied).

POWER IDLER:

Install correct offset bush to achieve desired cam setting.

Bushes supplied with 0-2-4-6-8 offsets.

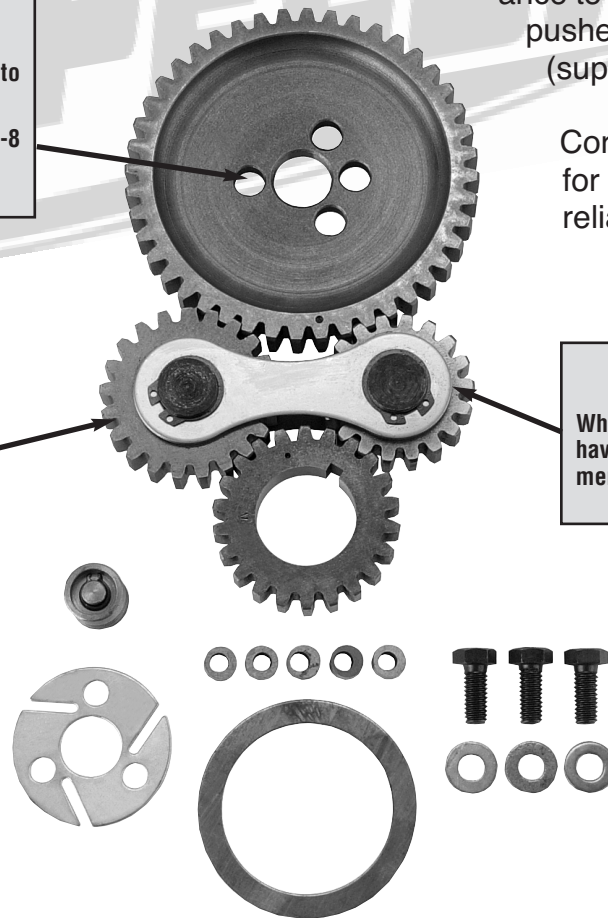
POWER IDLER:

The power idler is the larger gear and is fitted to the left hand side with the tapered end of the idler axle towards the block.

This axle is tapered to a low easy grinding for gear alignment and timing dover clearance.

REVERSE IDLER:

When installed correctly this gear must have between .020" to .060" vertical movement with the power idler in full mesh.



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