

NORNDA AUTOMOTIVE

To Suit: Holden V8 253-304-308ci

Assembly Instructions

NORNDA PTY LTD
25-31 Innes Road
Windsor Gardens
South Australia 5087
Ph: +61 8 8261 7222
Fx: +61 8 8261 9171

1 Standard Timing

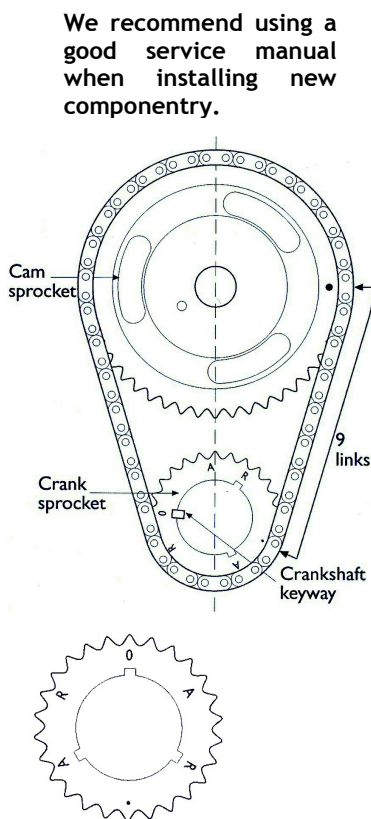
Slide '0' keyway onto crankshaft key and time engine by using "0" marked tooth or space

Warning: Do not use the keyway marks to time engine. Always align the crank gear tooth timing mark to cam gear timing mark.

Rotate engine until No1 piston is Top Dead Centre. No 1 piston is located at the front of the engine on the driver's side.

Assemble crankshaft sprocket, camshaft sprocket and chain so that zero timing dots are positioned as shown. (9 links between the dots).

Note: Check for clearance between timing chain and oil gallery boss. On some later blocks it may be necessary to remove material from the top side of the boss for chain clearance.



2 Advanced Timing (+4°)

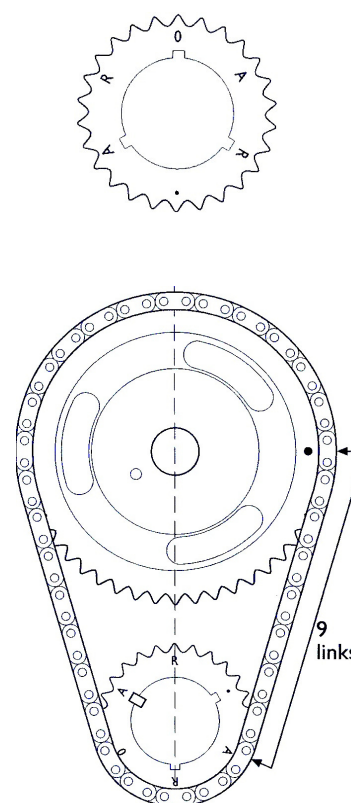
Same as for instruction No.1 Standard timing but fit crankshaft sprocket keyway marked 'A' to crankshaft and align Tooth marked 'A' on crankshaft sprocket and timing dot on camshaft, so there are 9 links between them

Lubrication:

For maximum chain life proper chain lubrication is necessary.

When RPM increases chain lubrication must also increase. In order to reduce wear, a good lubricant must form a film over the contacting surfaces.

Excessive wear can cause the chain to lengthen to the point of damaging sprocket teeth and destroying the chain.



3 Retard Timing (-4°)

Same as for instruction No.1 Standard timing but fit crankshaft sprocket keyway marked 'R' to crankshaft and align Tooth marked 'R' on crankshaft sprocket and timing dot on camshaft, so there are 9 links between them

We recommend to always degree-in the camshaft before making any timing changes. Use JP5720 degree wheel.

