



M-6268-A302 Timing Chain and Sprockets set INSTALLATION INSTRUCTIONS

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD RACING PERFORMANCE PARTS.

!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.

Removal:

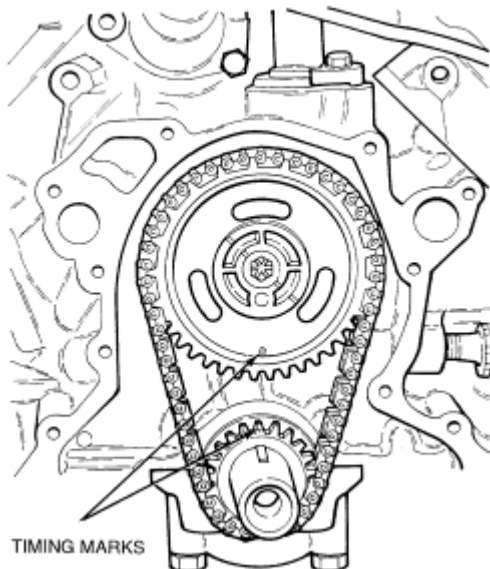
- STEP 1:** Remove the timing chain cover.
- STEP 2:** Rotate the engine until the timing marks on the sprockets are positioned.
- STEP 3:** Remove the camshaft sprocket bolt and washer. Slide both sprockets and the timing chain forward and remove them as an assembly.
- Note:** Ford Racing timing chain set is designed for a 1-piece mechanical fuel pump eccentric. One piece eccentric M-6287-A302 must be used with long dowel pin. Change dowel pin if necessary.

Check End Play:

- STEP 1:** Install camshaft retainer plate.
- STEP 2:** Install camshaft gear (and eccentric if used) and tighten cam bolt and washer hand tight.
- WARNING:** **Dowel pin must not contact washer. Modify dowel pin as necessary for your application**
- STEP 3:** Verify cam end play is within specifications.
- STEP 4:** Remove cam gear.

Installation:

- STEP 1:** Install sprockets and timing chain on the camshaft and crankshaft simultaneously. Verify timing marks on the sprockets are positioned correctly. Ford Racing timing sets have a 9-position crank gear. If using the 0 mark, crank key must align with key way below 0 mark. If advancing or retarding the cam, use the appropriate keyway below the desired advance or retard number.





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- STEP 2:** Install camshaft bolt and washer. (also eccentric if required) Tighten 3/8" camshaft bolt to 40-45 lb-ft.
- STEP 3:** Rotate engine over 2 complete turns and check for interference and alignment.
- STEP 4:** Lubricate timing chain and sprockets with clean engine oil.
- STEP 5:** Verify timing chain cover to eccentric clearance.
- STEP 6:** Install timing chain cover.

Torque Specs.

Retainer plate bolts w/thread lock	9-12 lb-ft
Camshaft bolt w/thread lock	40-45 lb-ft
Crankshaft damper bolt	85-95 lb-ft
Timing chain cover to block bolts	12-18 lb-ft