



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

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!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING TECHLINE AT 1-800-367-3788 !!!

Removal:

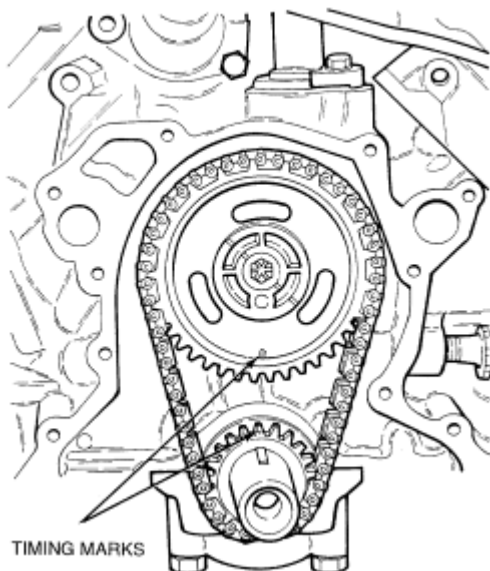
- STEP 1:** Remove the timing chain cover.
- STEP 2:** Rotate the engine until the timing marks on the sprockets are positioned.
- STEP 3:** Remove the camshaft sprocket bolt and washer. Slide both sprockets and the timing chain forward and remove them as an assembly.
- Note:** Ford Racing timing chain 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.



Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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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.

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| 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 |

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