

Car:

Date:

Mileage:

☐ PRELIMINARY DIAGNOSIS

- ☐ Check ECU fault codes (crankshaft / camshaft sensors / variable valve timing)
- ☐ Check oil pressure at the gallery (hydraulic tensioner / variable valve timing)
- ☐ Assess noise from the timing area (belt / chain / tensioner)
- ☐ Verify mileage and replacement interval

☐ PREPARATION

- ☐ Secure the vehicle (parking brake / wheel chocks)
- ☐ Verify timing type (belt / chain) and complete replacement kit
- ☐ Timing lock tools and service documentation

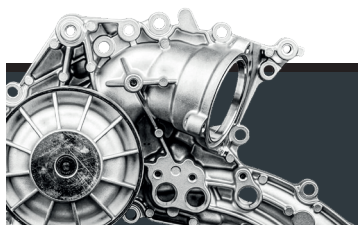
☐ ENGINE POSITION SETTING

- ☐ Check belt / chain condition (cracks / wear / tension)
- ☐ Assess tensioners, idler rollers, guides (play / cracks)
- ☐ Inspect crankshaft / camshaft sprockets (wear / runout)
- ☐ Set crankshaft to TDC mark (Top Dead Centre, cylinder 1)
- ☐ Lock crankshaft and camshafts using dedicated locking tools
- ☐ Verify timing mark alignment

☐ DISASSEMBLY

- ☐ Disconnect battery (negative terminal)
- ☐ Remove timing covers and any conflicting components
- ☐ Check surrounding area for leaks (water pump / tensioners / gaskets)
- ☐ Remove old timing kit

(1/2)



☐ **LOCK & CLEARANCE TEST**

- ☐ Install new timing kit
- ☐ Rotate crankshaft twice by hand — timing marks must not shift
- ☐ Check clearance on sprockets and bearings
- ☐ Inspect water pump condition (if driven by the timing system)

☐ **FINALISATION**

- ☐ Start engine and verify correct installation
- ☐ Documentation (replaced parts / mileage / date)
- ☐ Service tag in the engine bay
- ☐ Customer instructions — next timing replacement interval
- ☐ Register service in the service book

NOTES / ISSUES:

Mechanic's signature:

Date:

(2/2)

