

Telephone:
Fax:
VAT Registration No.:

Name:		Manufacturer:	Toyota
Address:		Model:	
		Year:	2000
		Registration:	
Tel - Private:		Mileage:	
Tel - Business:		Job number:	

Special tools

Special tools

- Crankshaft pulley holding tool - No.09213-14010 & 09330-00021
- Crankshaft pulley puller - No.09950-50012 (09951-05010, 09952-05010, 09953-05020, 09954-05020)

General precautions

General precautions

- Disconnect battery earth lead.
- Remove spark plugs to ease turning engine.
- Turn engine in normal direction of rotation (unless otherwise stated).
- Observe tightening torques.
- If fitted: Mark position of crankshaft position (CKP) sensor before removal.
- Do NOT turn crankshaft via camshaft or other sprockets.
- Do NOT turn crankshaft or camshaft with timing chain removed.

Valve timing procedures

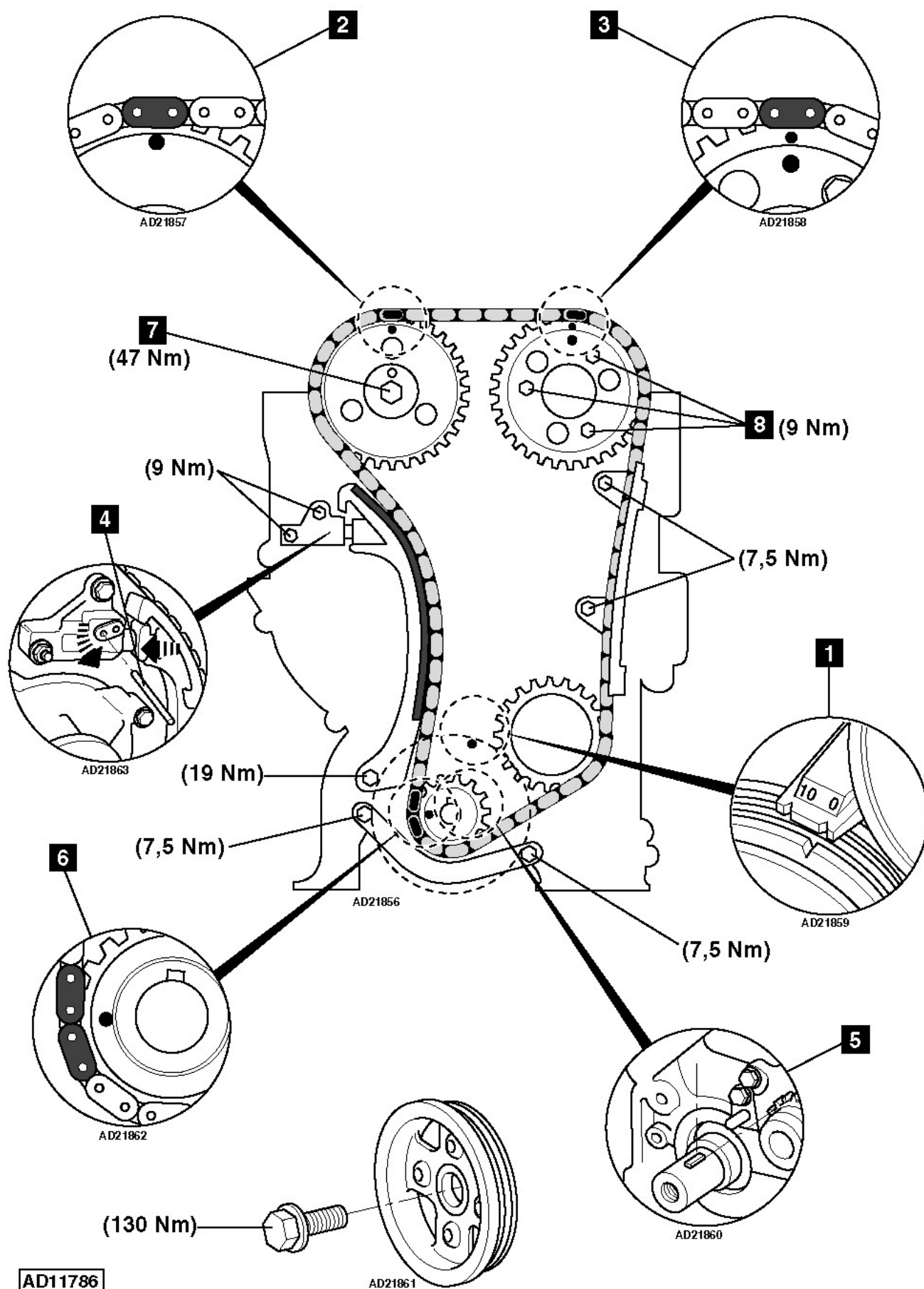
Valve timing procedures

- Removal/refitting of timing chain cover requires:
- Sump removal.

NOTE: Refer to Autodata Technical Data for tightening torques.

- Ensure crankshaft pulley and timing chain cover TDC marks aligned [1]11786.
- Ensure camshaft sprocket timing marks aligned [2] & [3]11786: If not, turn crankshaft pulley 360°.
- Disengage timing chain tensioner ratchet and lock tensioner in retracted position using a 2-3 mm diameter rod [4]11786.
- Check chain guides for wear: Maximum 0,5 mm.
- Align crankshaft keyway at 12 o'clock position [5]11786.
- Fit timing chain ensuring marked links aligned [2], [3] & [6]11786.
- Fit camshaft sprocket bolt [7]11786.
- Fit camshaft sprocket bolts [8]11786.

- Remove rod to release timing chain tensioner [4]11786.



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