

Model:	Coupe 1,8 16V
Year:	1996-98
Engine Code:	183 A1.000

Replacement Interval Guide

Fiat recommend check & replacement if necessary every 36,000 miles and replacement every 63,000 miles.

The previous use and service history of the vehicle must always be taken into account. Refer to General Instructions at the front of this manual.

Check For Engine Damage

CAUTION: This engine has been identified as an **INTERFERENCE** engine in which the possibility of valve-to-piston damage in the event of a timing belt failure is **MOST LIKELY** to occur. A compression check of all cylinders should be performed before removing the cylinder head.

Repair Times - hrs

Information not available

Special Tools

- Dial gauge and adaptor - No.1895879000.
- Camshaft locking tools - No.1860847000.
- Belt tensioning tool - No.1860845000.

Special Precautions

- Disconnect battery earth lead.
- Do NOT turn crankshaft or camshaft when timing belt removed.
- Remove spark or glow plugs to ease turning engine.
- Turn engine in normal direction of rotation (unless otherwise stated).
- Do NOT turn engine via camshaft or other sprockets.
- Observe all tightening torques.

Removal

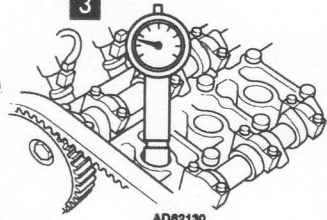
1. Raise and support front of vehicle.
2. Remove:
 - RH front wheel.
 - RH inner wing panel.
 - Auxiliary drive belt(s).
 - Auxiliary belt guide pulley.
 - Timing belt covers **1** & **2**.
3. Disconnect ignition coil multi-plugs and breather hose.
4. Remove:
 - Cylinder head cover and ignition coils.
 - Spark plugs.
 - Bell housing lower cover.
5. Fit dial gauge and adaptor tool No.1895879000 to No.1 cylinder **3**.
6. Turn crankshaft to TDC on No.1 cylinder, using dial gauge.

7. Ensure both camshafts at TDC on No.1 cylinder, if not turn crankshaft one complete turn clockwise.
8. Remove third bearing cap from each camshaft **4** & **5**.
NOTE: Mark caps before removal for identification.
9. Fit tool Nos.1860847000 in place of caps.
NOTE: Tools are marked 'A' (Inlet) and 'S' (exhaust). Ensure tools align with respective cam profiles to prevent damage.
10. Remove crankshaft pulley bolts **6** and pulley **7**.
11. Slacken automatic tensioner locknut to release tension on belt **8**.
12. Remove timing belt.

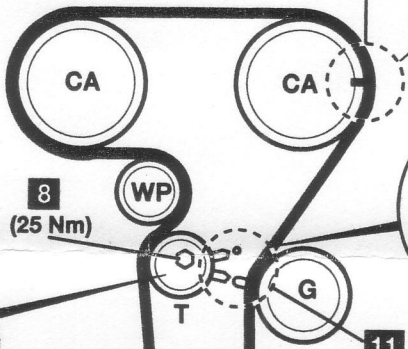
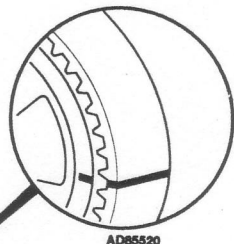
Installation

1. Ensure engine at TDC on No.1 **3** with flywheel locking tool and camshaft locking tools located.
2. Fit timing belt in following order starting at crankshaft sprocket and keeping belt taut between sprockets and pulleys:
 - Guide pulley.
 - Exhaust camshaft sprocket.
 - Inlet camshaft sprocket.
 - Automatic tensioner sprocket.
 - Coolant pump pulley.**NOTE: Ensure belt marks align with marks on crankshaft and exhaust camshaft sprockets **9** and 'arrow' mark pointing in direction of rotation.**
3. Fit tool No.1860845000 into hole adjacent to tensioner **10**.
4. Turn tool to tension belt to maximum and tighten automatic tensioner locknut **8** to 25 Nm.
5. Remove camshaft locating tools No.1860847000.
6. Refit bearing caps in correct locations and tighten retaining bolts to 15 Nm **4** & **5**.
7. Remove dial gauge and adaptor No.1895879000 **3**.
8. Turn crankshaft two complete turns clockwise to TDC on No.1 cylinder.
9. Fit tensioner tool No.1860845000 **10**, loosen tensioner locknut **8** and using tool, align tensioner pointer with mark on casing **11**.
10. Tighten automatic tensioner locknut **8** to 25 Nm.
11. Install components in reverse order of removal.
12. Tighten crankshaft pulley bolts **6** to 32 Nm.

3



9



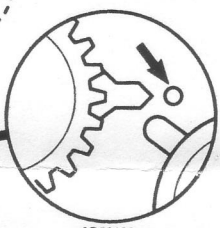
8

(25 Nm)



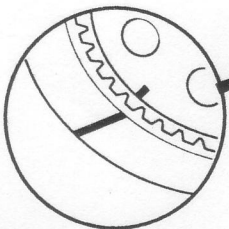
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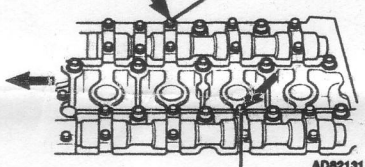
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CS
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4

(15 Nm)



5

(15 Nm)

1

2

7

6

(32 Nm)

