

Special Tools	
■ None required.	
Recommended Replacement Interval	
Every 60,000 miles.	
Timing Belt Failure	
<i>CAUTION: Although engine damage will NORMALLY occur, check compressions before removing cylinder head.</i>	
Repair Times - hrs	
Remove & install:	
Xedos 6/626/MX-6	3,00
Xedos 9	2,50

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.
- Check diesel injection pump timing after belt replacement - see Autodata Diesel Injection Manual.

Removal

1. Drain coolant.
2. Support engine.
3. Remove:
 - RH inner wing shield.
 - Engine undershield.
 - Radiator hoses.
 - RH engine mounting.
 - Auxiliary drive belts.
 - Water pump pulley 1.
 - Belt tensioner & bracket 2.
 - PAS pump 3 & bracket (leave hoses connected).
 - Crankshaft pulley 4.
 - Dipstick & tube.
 - Crankshaft position sensor bracket.
 - Engine wiring harness bracket 5.
 - RH & LH timing belt covers 6 & 7.
4. Turn crankshaft to TDC on No.1 cylinder, crankshaft and camshaft timing marks 8 & 9 aligned.
5. Slacken automatic tensioner retaining bolts 10 &

6. Remove retaining bolt 10 and allow automatic tensioner to swivel inwards towards belt.
 7. Remove retaining bolt 11 together with automatic tensioner assembly 12.
- NOTE: Hold tensioner assembly firmly to prevent damage to bolt threads.**
8. Remove guide G1.
 9. Remove timing belt.

Installation

1. Ensure crankshaft and camshaft sprocket timing marks 8 & 9 are aligned.
 2. Check automatic tensioner assembly 12 is not leaking or damaged and that push rod 13 extends 14-16 mm, if not replace automatic tensioner assembly.
 3. Using suitable press, compress pushrod 13 into tensioner assembly 12 and retain pushrod with 1,6 mm diameter pin through lower hole 14.
- NOTE: Place flat washer 15 under tensioner assembly to avoid damage to the body end plug, do not exceed 1000 kg force.**
4. Refit automatic tensioner assembly to cylinder block with upper bolt 11, lightly tighten bolt.
 5. Install timing belt in the following order:
 - Crankshaft sprocket.
 - Guide G2.
 - Camshaft sprocket CA1.
 - Tensioner pulley 10.
 - Camshaft sprocket CA2.
 6. Apply hand tension to belt and fit guide roller G1, tighten bolt to 38-51 Nm.
 7. Push automatic tensioner assembly outwards in direction of arrow 16 and fit lower bolt 17, tighten bolts 10 & 11 to 19-25 Nm.
 8. Remove pin from lower hole 14 in tensioner assembly to release push rod.
 9. Turn crankshaft slowly two revolutions in direction of rotation until timing marks 8 & 9 aligned.
 10. Apply a load of 10 kg at 18, belt should deflect 6,0-8,0 mm, if not replace automatic tensioner assembly and repeat operations 4-10.
 11. Install components in reverse order of removal.
 12. Tighten crankshaft pulley bolt 18 to 157-166 Nm.
 13. Refill cooling system.

