Telephone:
Fax:
VAT Registration No.:

Name:		**Manufacturer:**	Subaru
Address:		**Model:**	
		Year:	1992
		Registration:	
Tel - Private:		**Mileage:**	
Tel - Business:		**Job number:**	

Important note

Important note

The intervals and procedures given are subject to alteration by the manufacturer at any time. Check the regularly updated Timing Belts section on our website to ensure that you are kept informed of any changes that may occur between issues of the Autodata CD.
http://www.autodata-cd.com

Timing belt replacement intervals

The information relating to timing belt replacement intervals is additional to the main purpose of this CD, but is included to provide guidance to garages and for customer advice.

Where possible the recommended intervals have been compiled from vehicle manufacturers' information. In a few instances no recommendation has been made by the manufacturer and the decision to replace the belt must be made from the evidence of a thorough examination of the condition of the existing belt.

Apart from the visible condition of the belt, which is explained fully later in this section, there are several other factors which must be considered when checking a timing belt:

1. Is the belt an original or a replacement.
2. When was the belt last replaced and was it at the correct mileage.
3. Is the service history of the vehicle known.
4. Has the vehicle been operated under arduous conditions which might warrant a shorter replacement interval.
5. Is the general condition of other components in the camshaft drive, such as the tensioner, pulleys, and other ancillary components driven by the timing belt, typically the water pump, sound enough to ensure that the life of the replacement belt will not be affected.
6. If the condition of the existing belt appears good, can you be satisfied that the belt will not fail before the next check or service is due.
7. If the belt does fail, have you considered the consequences. If the engine is an INTERFERENCE type then considerable expensive damage may well be the result.
8. The cost of replacing a belt as part of a routine service could be as little as 5 to 10% of the repair cost following a belt failure. Make sure your customer is aware of the consequences.
9. If in doubt about the condition of the belt - RENEW it.

Replacement Interval Guide

Replacement Interval Guide

Subaru recommend replacement every 60,000 miles.

The previous use and service history of the vehicle must always be taken into account.

Check For Engine Damage

Check For Engine Damage

CAUTION: This engine has been identified as a FREEWHEELING engine in which the possibility of valve-to-piston damage in the event of a timing belt failure may be minimal or very unlikely. However, a precautionary compression check of all cylinders should be performed.

Repair Times - hrs

Repair Times - hrs

Remove & install:	
Both timing belts	1,30
LH timing belt	0,70
RH timing belt	0,60
AC	+0,20
PAS	+0,20

Special Tools

Special Tools

- Tensioner wrench - Subaru No.499007000.
- Tensioning tool - Subaru No.499437000.
- Flywheel locking tool - Subaru No.498277000 (MT).
- Drive plate locking tool - Subaru No.498497000 (AT).

Special Precautions

Special Precautions

- Disconnect battery earth lead.
- DO NOT turn crankshaft or camshaft when timing belt removed.
- Remove spark 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

Removal

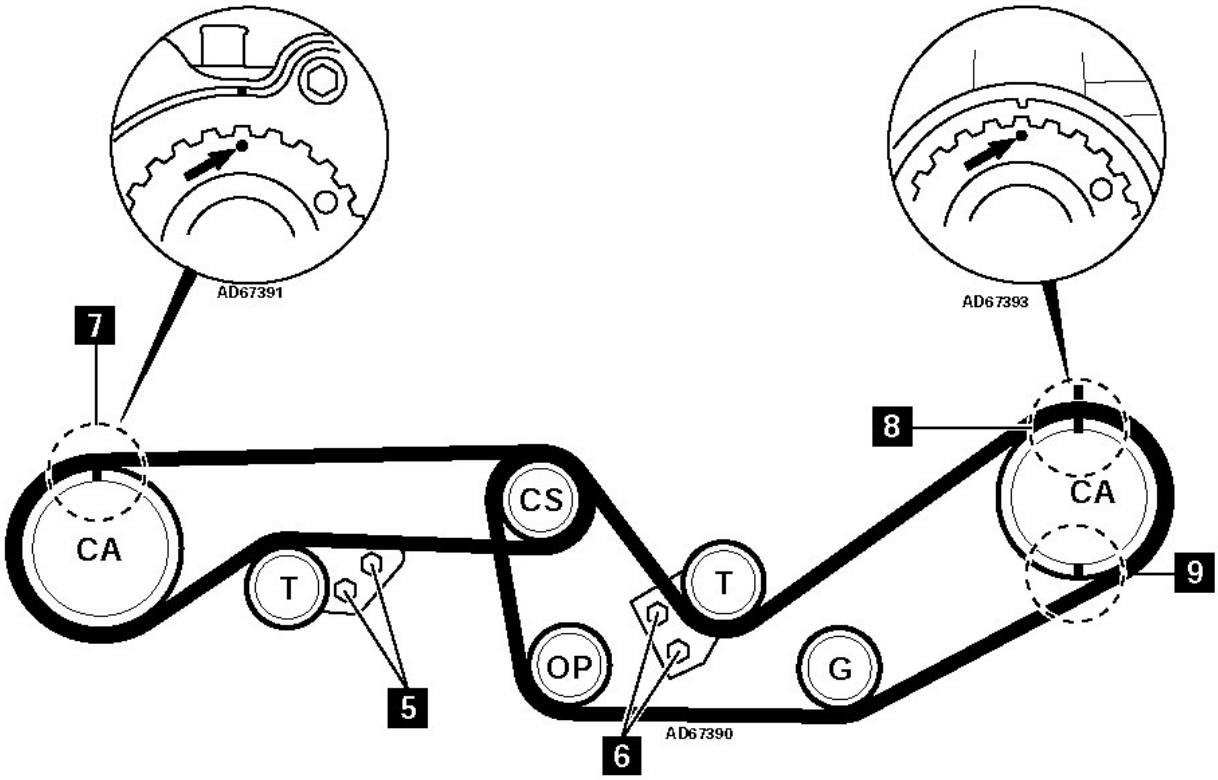
1. Remove auxiliary drive belts.
2. Disconnect oil pressure switch wiring connector.
3. Fit flywheel locking tool in clutch housing timing aperture.
4. Remove:
   - Crankshaft pulley bolt [1].
   - Crankshaft pulley [2].
   - Water pump pulley and cover.
   - Dipstick tube.
   - Flywheel locking tool.
5. Turn crankshaft clockwise until middle timing mark on flywheel aligned with mark on clutch housing [3].
6. Remove:
   - Turbo: Timing belt cover.
   - Non-turbo: Timing belt covers [4].
7. Slacken bolts of RH tensioner [5]. Move tensioner downwards and lightly tighten bolts.
8. Slacken bolts of LH tensioner [6]. Move tensioner upwards and lightly tighten bolts. Use tool No.499007000.
9. Remove:
   - RH timing belt.
   - Outer crankshaft sprocket.
   - LH timing belt.

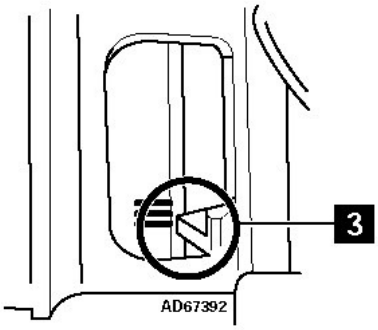
Installation

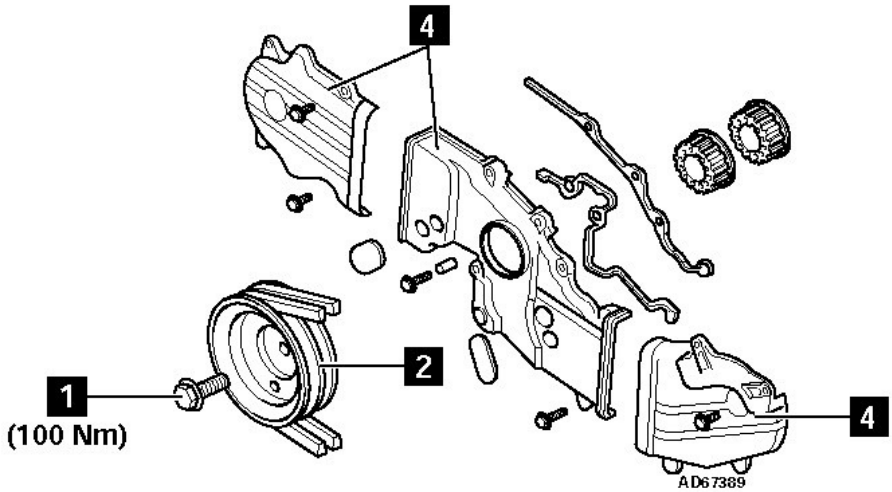
Installation

1. Ensure flywheel timing marks aligned [3].
2. Turn LH camshaft until timing marks aligned [8].
3. Fit LH timing belt in following order:
   - Crankshaft sprocket.
   - Oil pump sprocket.
   - Guide sprocket.
   - Camshaft sprocket.

   NOTE: Ensure belt is taut between sprockets on non-tensioned side.
4. Slacken tensioner bolts 1/2 turn [6].
5. Push gently on belt to check tensioner operating smoothly.
6. Turn crankshaft four turns clockwise. Ensure timing marks aligned [3] & [8].
7. Fit tool to LH camshaft sprocket. Tool No.499437000.
8. Apply anti-clockwise torque of 25 Nm to camshaft sprocket. Use a torque wrench fitted to tool No.499437000. Maintain torque and tighten tensioner bolts.
9. Fully tighten tensioner bolts [6]. Tightening torque: 19 Nm.
10. Ensure flywheel timing marks aligned [3].
11. Turn crankshaft one turn clockwise. Ensure timing mark [8]is now at 6 o'clock position [9].
12. Turn RH camshaft until timing marks aligned [7].
13. Fit outer crankshaft sprocket.
14. Fit RH timing belt to outer crankshaft sprocket and camshaft sprocket.
15. Slacken tensioner bolts 1/2 turn [5].
16. Push gently on belt to check tensioner operating smoothly.
17. Turn crankshaft four turns clockwise. Ensure timing marks aligned.
18. Fit tool to RH camshaft sprocket. Tool No.499437000.
19. Apply anti-clockwise torque of 25 Nm to camshaft sprocket. Use a torque wrench fitted to tool No.499437000. Maintain torque and tighten tensioner bolts.
20. Fully tighten tensioner bolts [5]. Tightening torque: 19 Nm.
    NOTE: When both belts are fitted correctly, timing marks [7] & [8]10553will be 180° out.
21. Install components in reverse order of removal.
22. Fit flywheel locking tool in clutch housing timing aperture.
23. Tighten crankshaft pulley bolt [1]. Tightening torque: 100 Nm.







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