

Hyundai Tarjet 2000-2009 2.7

Timing belt: removal/installation

General

Before disconnecting the battery cable, check the audio system security code

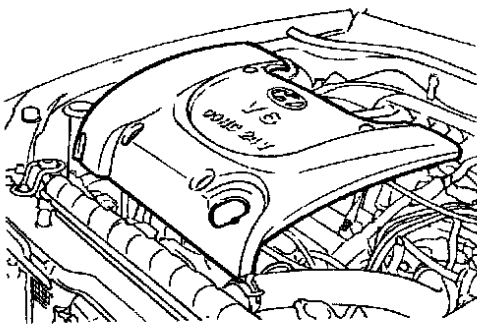
Always check the timing marks before timing belt removal
(1.00)



Removal

Disconnect the battery

Remove the engine cover
(2.00)

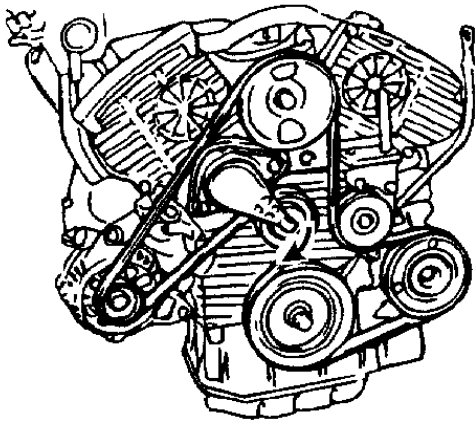


Turn the tensioner clockwise (14°)

Use a hexagonal wrench (16 mm)
(3.00)

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Timing belt: removal/installation



Remove the ancillary drive belt

Remove the coolant pump pulley

Remove the ancillary drive belt tensioner

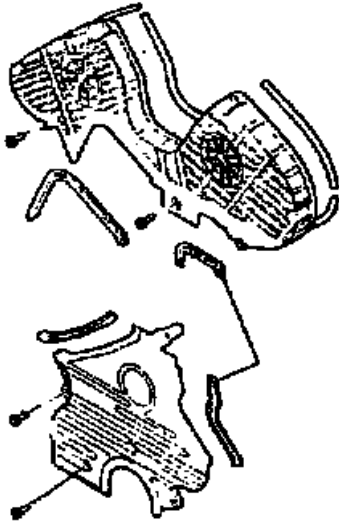
Remove the ancillary drive belt idler pulley

Remove the crankshaft pulley

Remove the timing belt front covers
(4.00)

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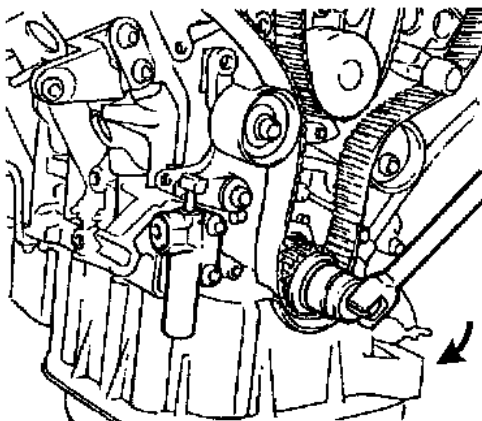
Timing belt: removal/installation



Use a trolley jack to support the engine

Remove the engine mounting bracket

Turn the crankshaft to TDC for cylinder 1
(5.00)



Align the timing marks
(1.00)

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Timing belt: removal/installation



Remove the automatic tensioner

Remove the tensioner pulley

Remove the idler pulley

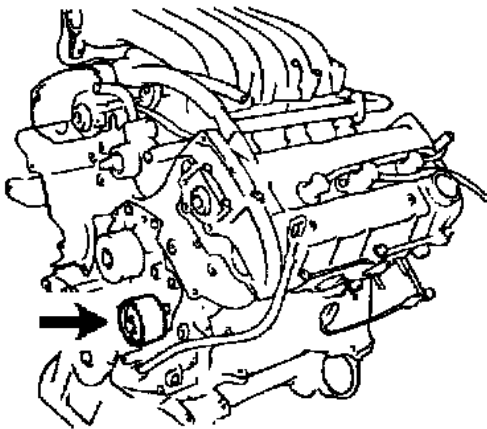
Remove the timing belt

Check the gearwheels, tensioner and idler pulley(s) for damage and wear

Installation

Check the timing marks

Refit the idler pulley (50 - 60 Nm)
(8.00)



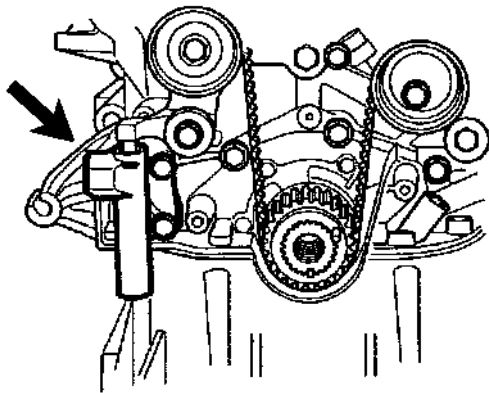
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Timing belt: removal/installation

Compress the tensioner

Push the piston and insert a suitable pin

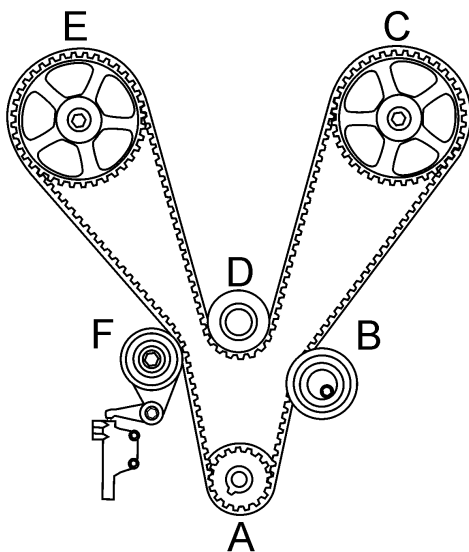
Refit the automatic tensioner (35 - 55 Nm)
(6.00)



Fit the tensioner pulley (43 - 55 Nm)

Check the timing marks again

Fit the timing belt (A->B->C->D->E)
(9.00)



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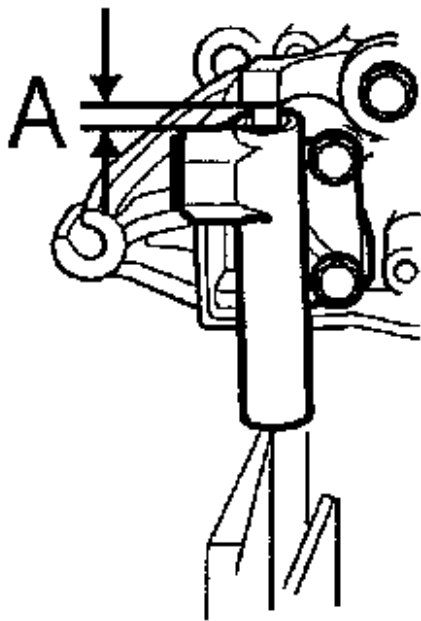
Unlock the tensioner

Rotate the crankshaft clockwise by 2 turns

Wait for 5 minutes

Measure the protrusion of the tensioner push rod from the housing end

Measurement value (A: 6 - 8 mm)
(7.00)



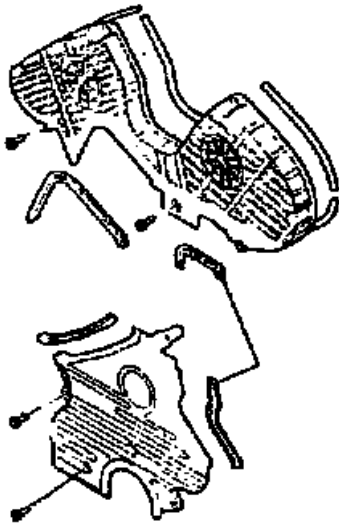
Refit the engine mounting bracket

Remove the jack

Refit the timing belt covers (10 -12 Nm)
(4.00)

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Timing belt: removal/installation



Refit the crankshaft pulley (180 - 190 Nm)

Refit the coolant pump pulley

Fit the ancillary drive belt idler pulley

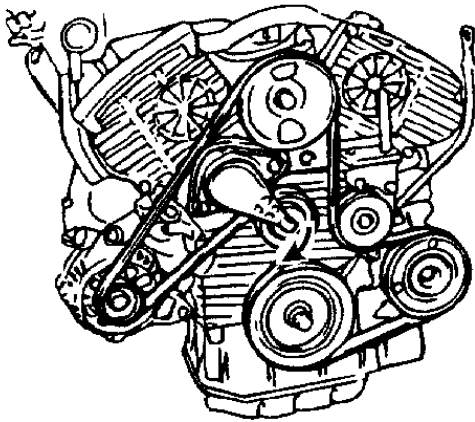
Fit the ancillary drive belt tensioner (20 - 27 Nm)

Turn the tensioner clockwise (14°)

Use a hexagonal wrench (16 mm)
(3.00)

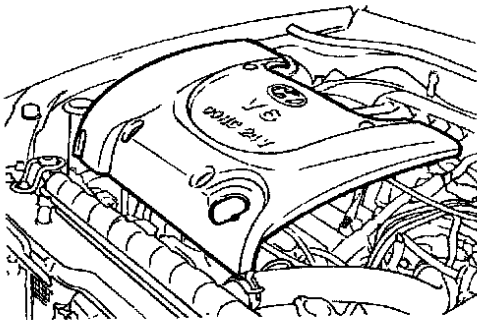
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Fit the ancillary drive belt

Refit the engine cover
(2.00)



Reconnect the battery

Torque settings

Crankshaft pulley: (180 - 190 Nm)

Ancillary drive belt tensioner: (20 - 27 Nm)

Ancillary drive belt idler pulley: (35 - 55 Nm)

Timing belt covers: (10 - 12 Nm)

Tensioner body (bolts): (35 - 55 Nm)

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Tensioner pulley:	(43 - 55 Nm)
Idler pulley:	(50 - 60 Nm)
Engine support bracket:	(15 - 22 Nm)
DataCar	