

Honda Accord 2004-2008

i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation

General

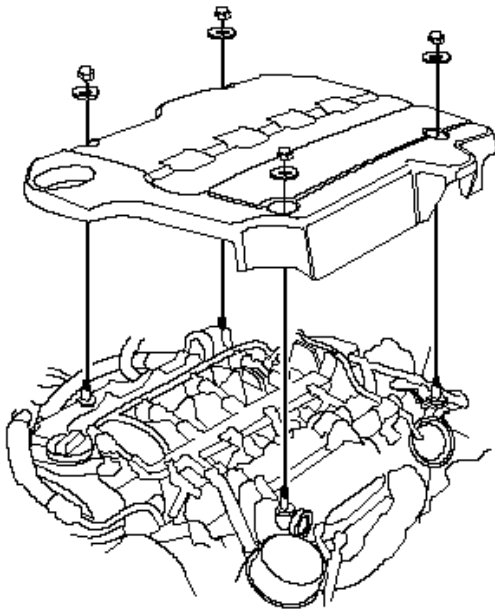
Check the timing marks before timing chain removal

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

Removal

Disconnect the battery

Remove the engine upper cover
(8.00)



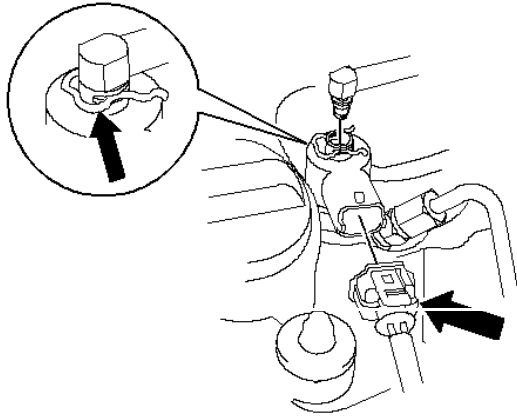
Disconnect the fuel return line

Disconnect the injector wiring
(10.00)

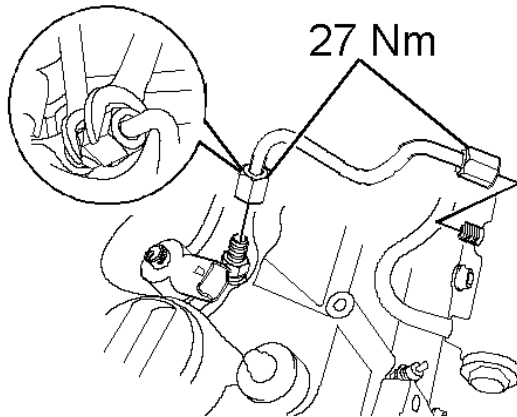
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Timing chain: removal/installation



Disconnect the fuel lines
(12.00)

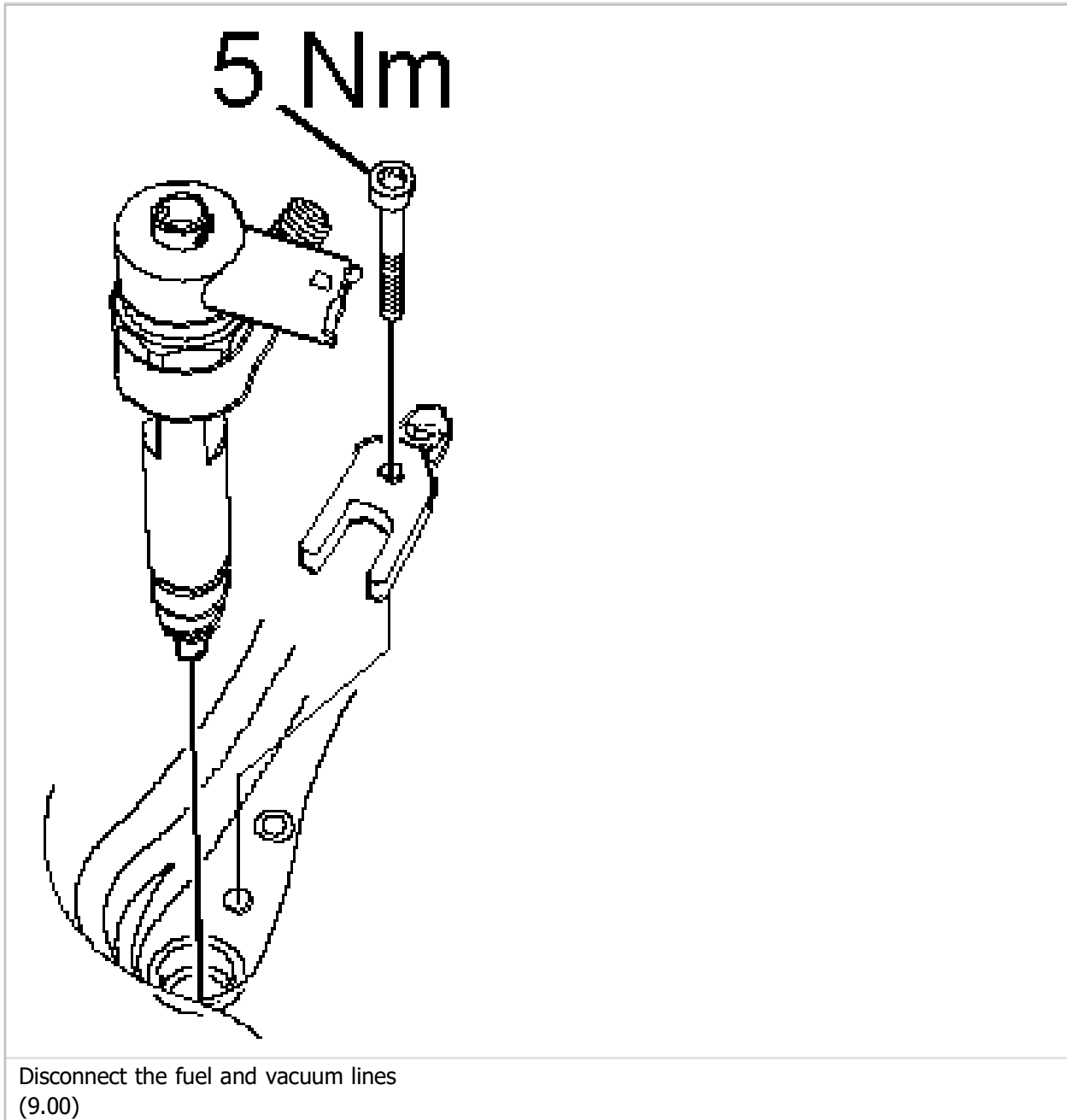


Remove the injectors
(16.00)

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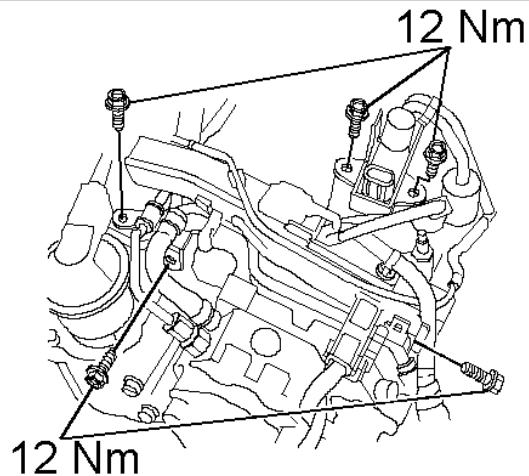
Timing chain: removal/installation



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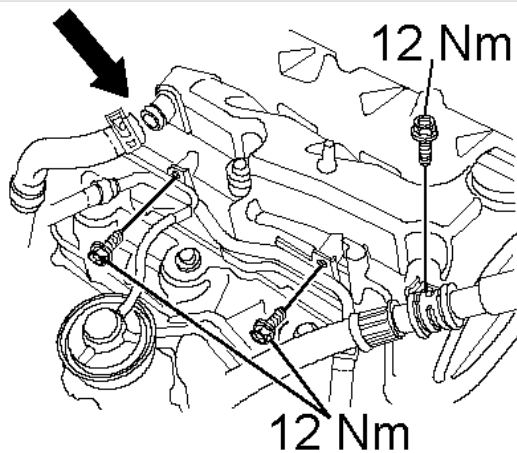
i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Disconnect the boost pressure control valve

Disconnect the power steering line
(15.00)

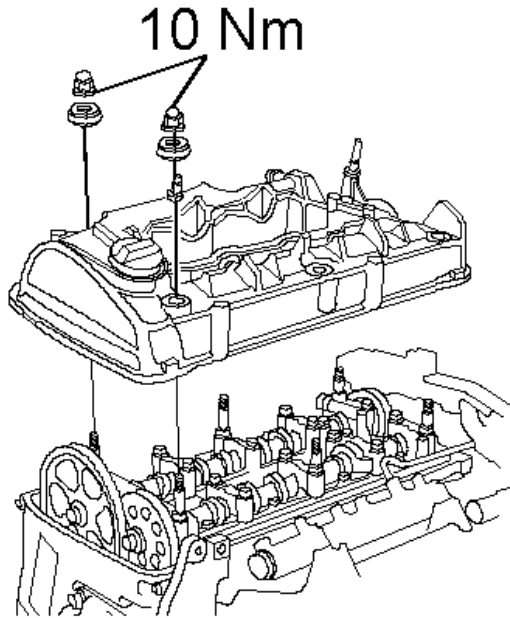


Remove the camshaft cover
(11.00)

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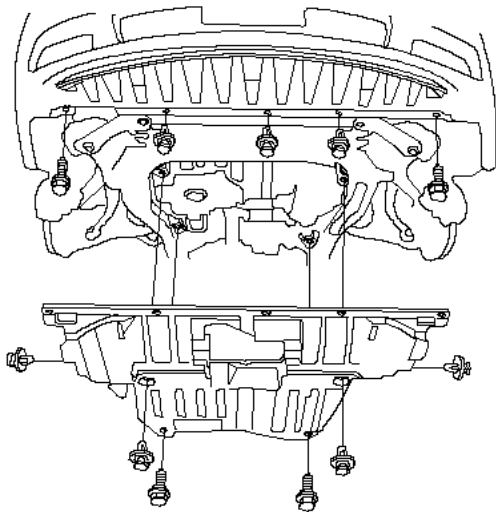
Timing chain: removal/installation



Turn the crankshaft to TDC for cylinder 1

Remove the right front wheel

Remove the engine lower covers
(13.00)

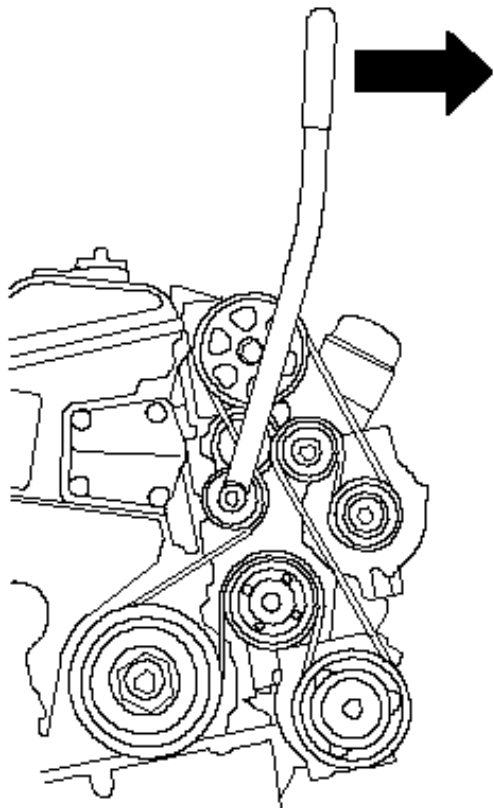


Remove the ancillary drive belt

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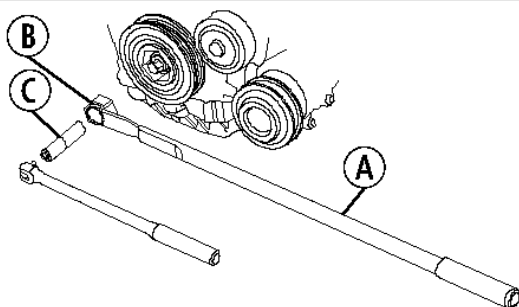
i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Remove the crankshaft pulley

Use the special tools (A: 07JAB-001020B, B: 07JAB-0010400, C: 07JAA-001020A)
(6.00)



Use a trolley jack to support the engine

Note: Put a wooden block between the sump and the jack

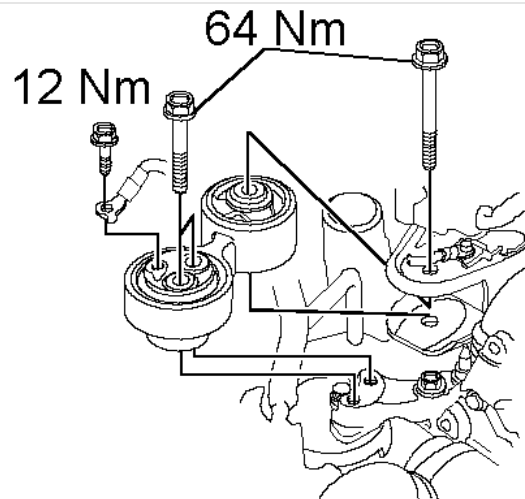
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i-CTDi N22A1 2.2L CN, CL, CM

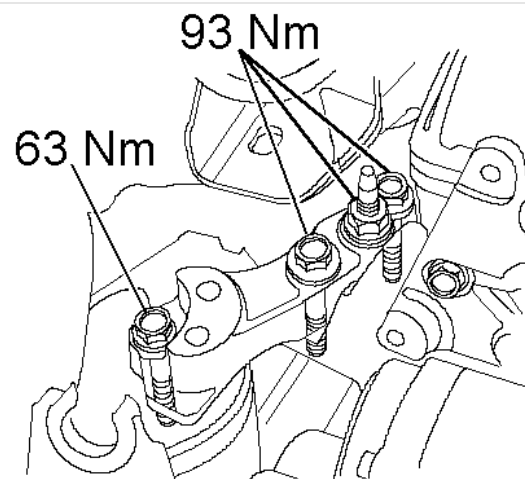
Timing chain: removal/installation

Disconnect the earth cable

Remove the torque rod
(1.00)



Remove the engine mount
(14.00)

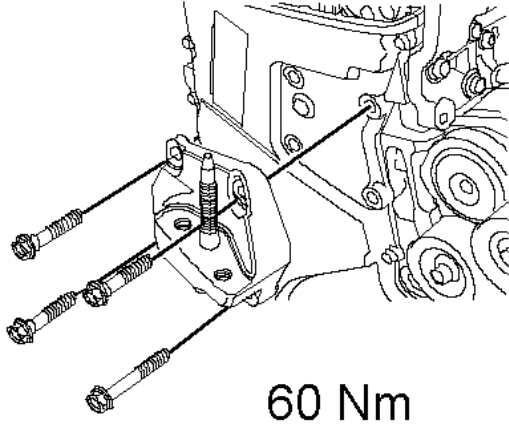


Remove the bracket
(21.00)

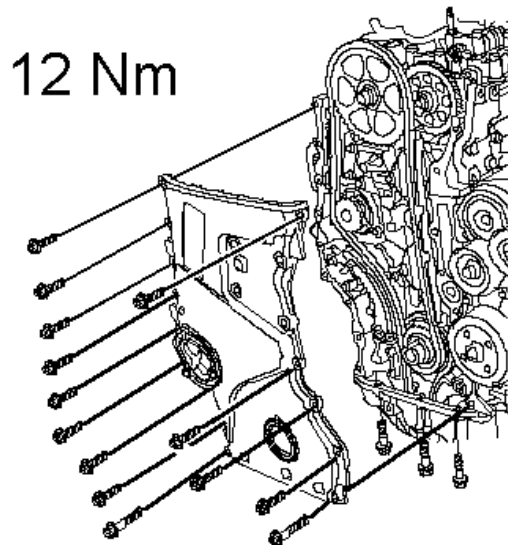
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Timing chain: removal/installation



Remove the timing belt cover
(20.00)



Refit the crankshaft pulley

Do not tighten!

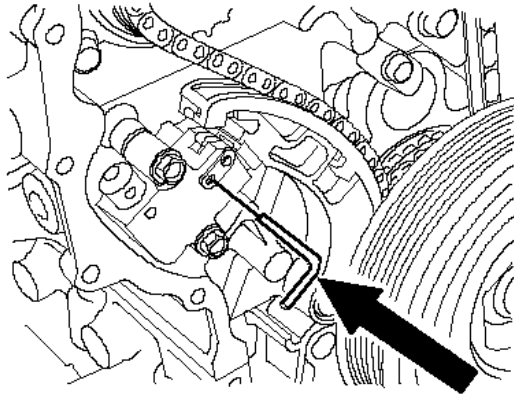
Turn the engine anti-clockwise to compress the tensioner

Lock the tensioner
(19.00)

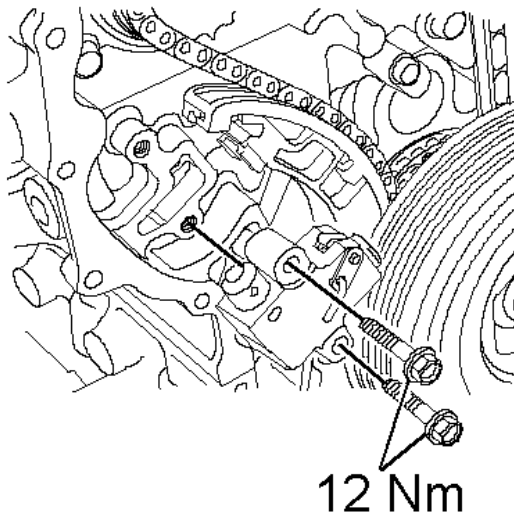
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i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Remove the tensioner
(17.00)

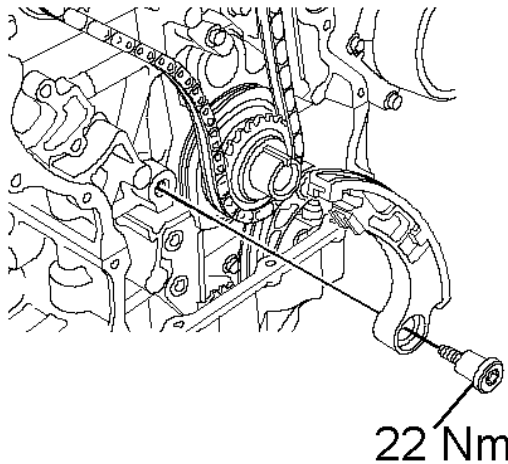


Remove the chain guide(s)
(18.00)

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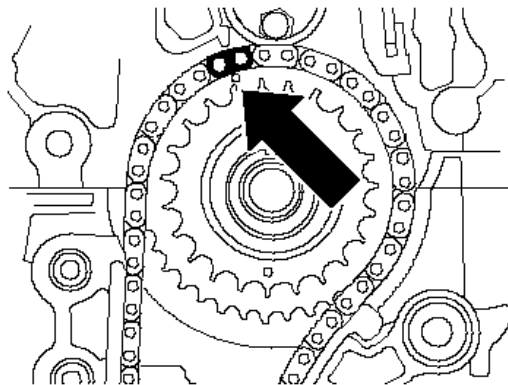
Timing chain: removal/installation



Remove the timing chain

Installation

Check the timing marks
(4.00)

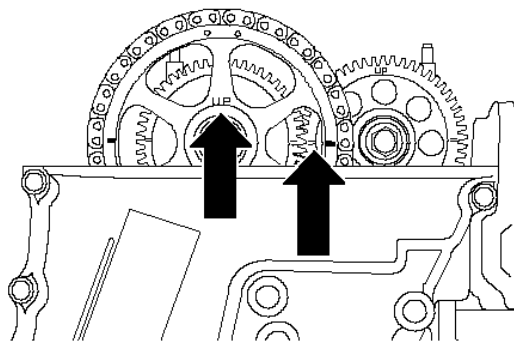


(3.00)

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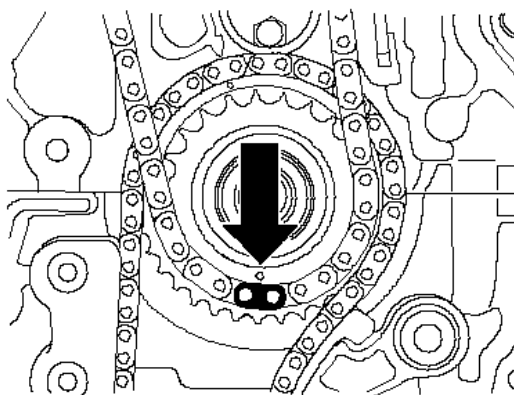
i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Fit the timing chain

Align the marks
(5.00)

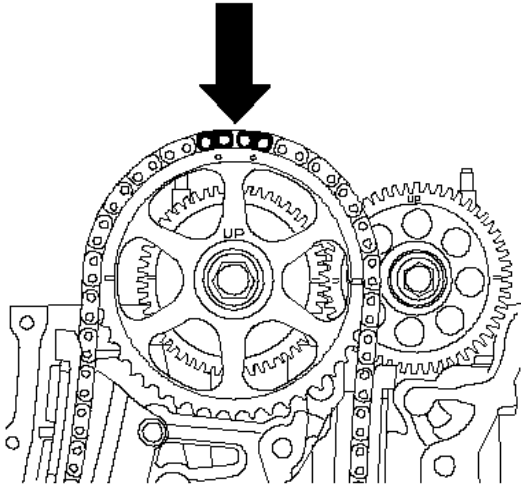


(2.00)

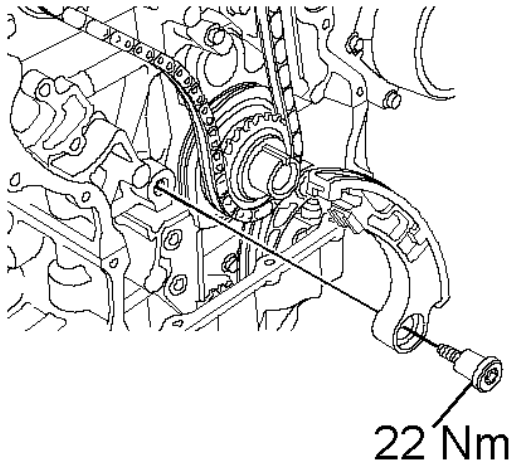
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i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Refit the chain guide(s)
(18.00)

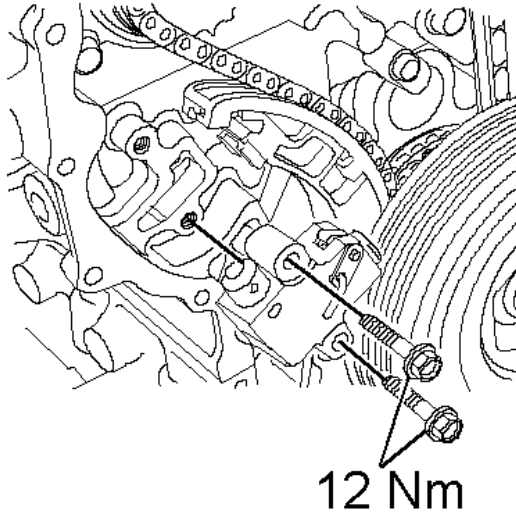


Refit the tensioner
(17.00)

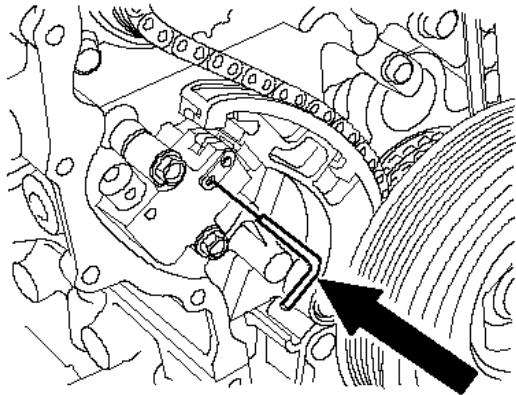
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Timing chain: removal/installation



Remove the locking pin
(19.00)



Refit the timing cover

Clean off the old sealant

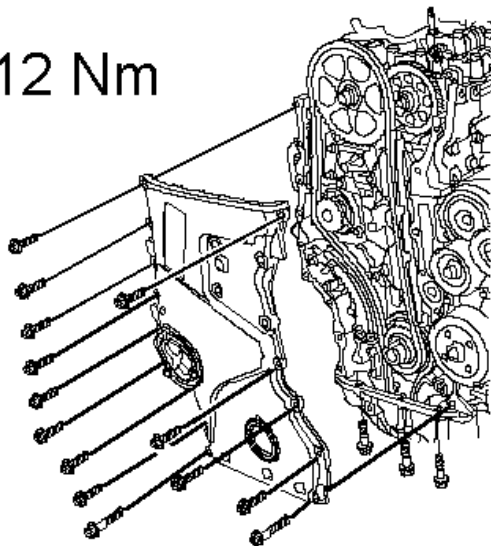
Apply sealant
(20.00)

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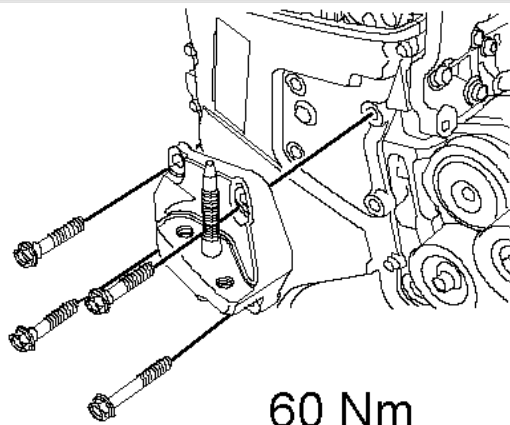
i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation

12 Nm



Refit the bracket
(21.00)

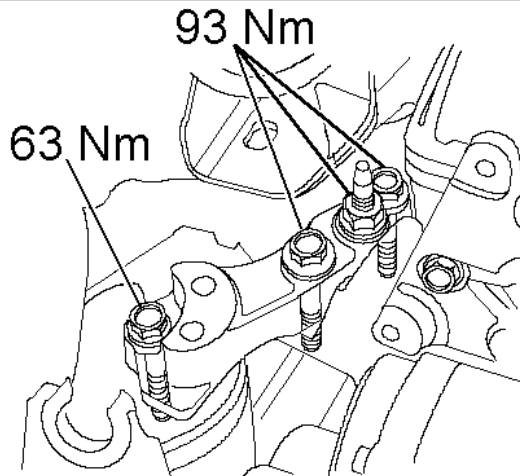


Refit the engine mount
(14.00)

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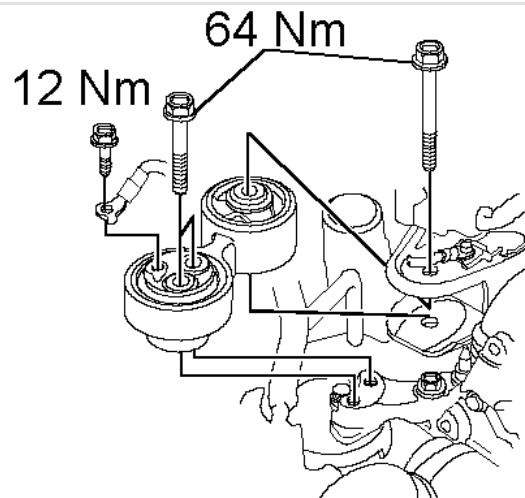
i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Refit the torque rod

Reconnect the earth cable(s)
(1.00)



Remove the jack

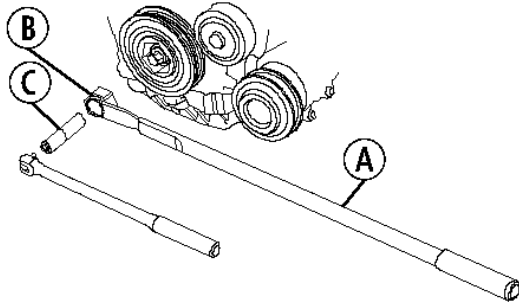
Refit the crankshaft pulley

Use the special tools (A: 07JAB-001020B, B: 07JAB-0010400, C07JAA-00120A)
(6.00)

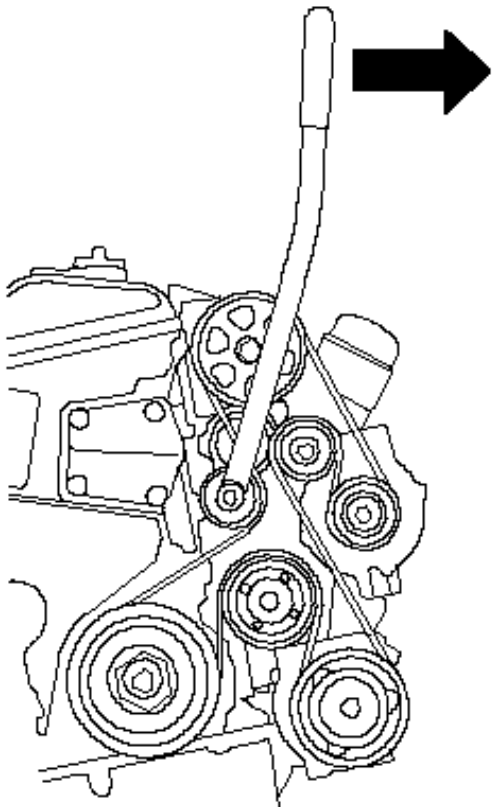
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i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Fit the ancillary drive belt
(7.00)

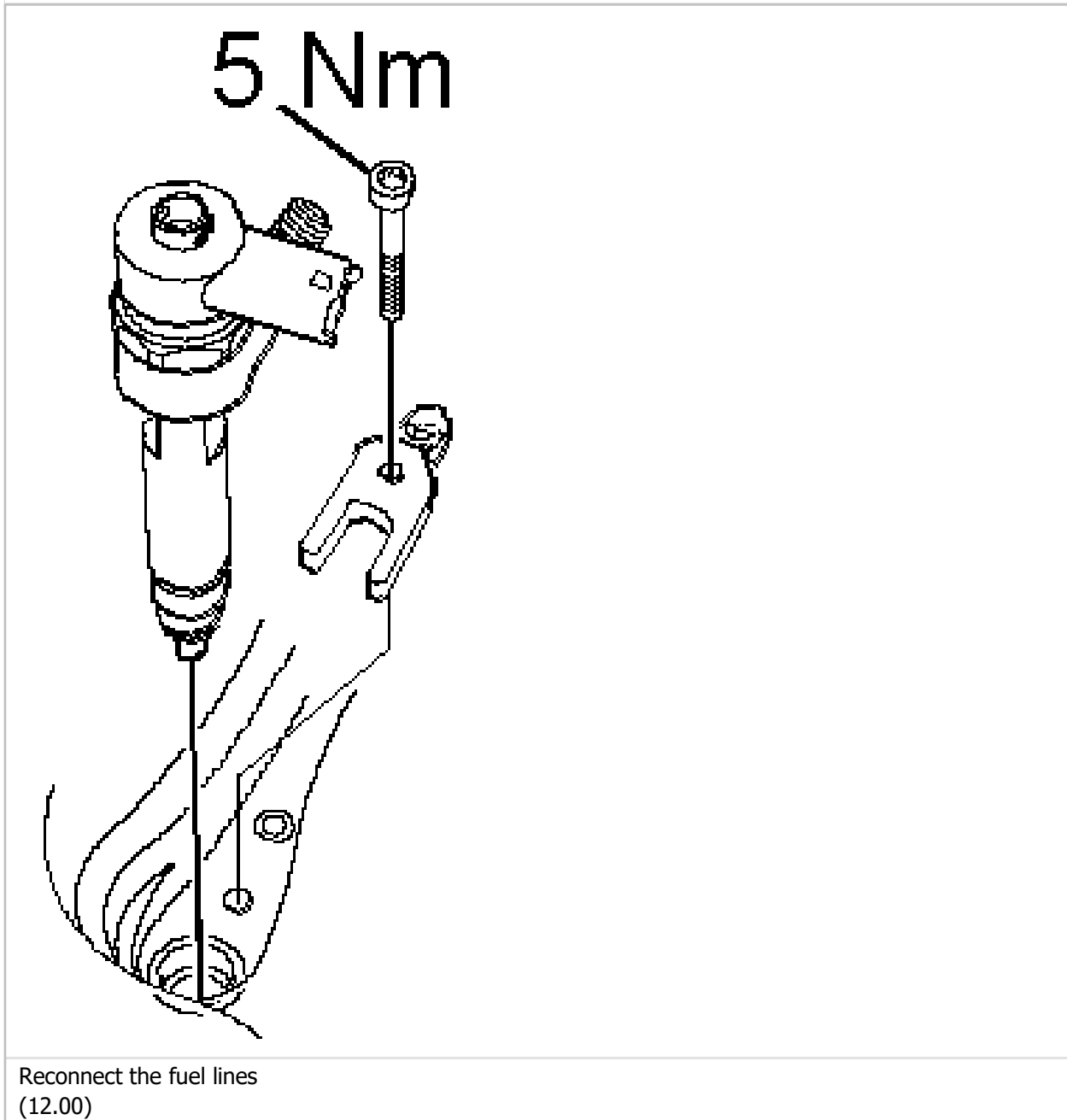


Refit the injectors
(16.00)

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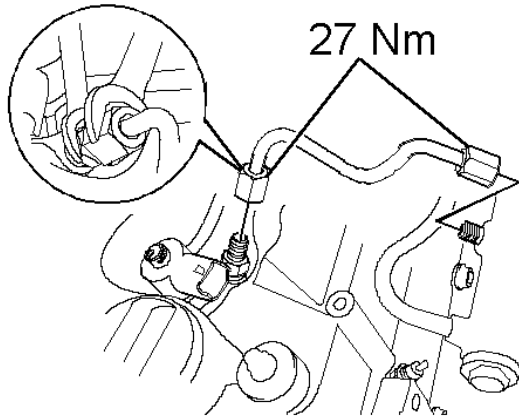
Timing chain: removal/installation



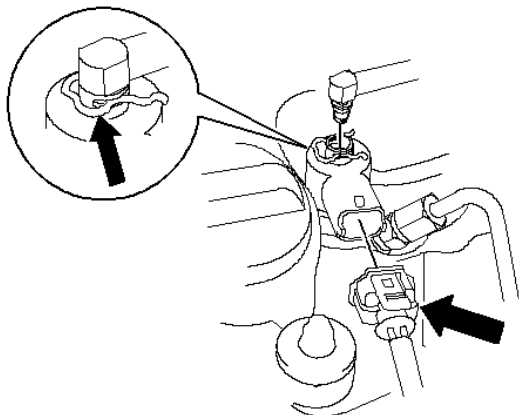
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i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Reconnect the injector wiring
(10.00)



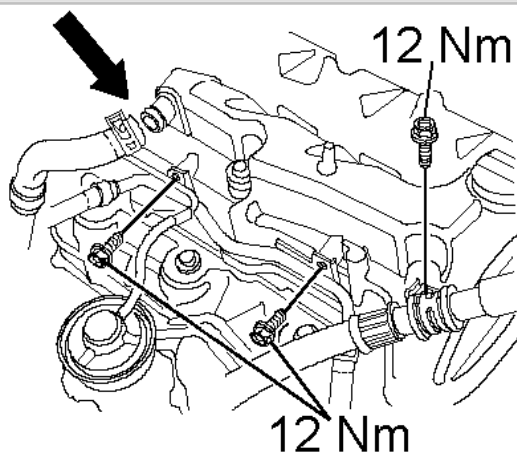
Reconnect the fuel lines

Refit the power steering line mounts
(15.00)

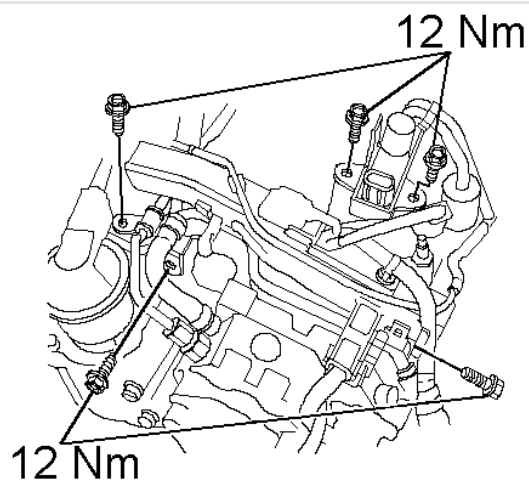
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Timing chain: removal/installation



Reconnect the vacuum hoses
(9.00)

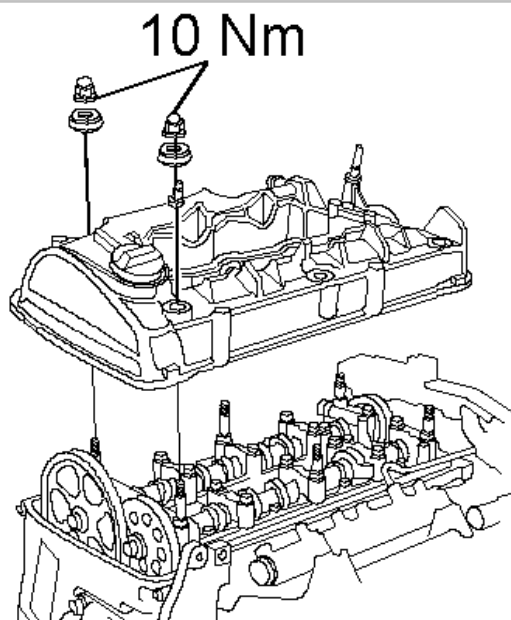


Refit the camshaft cover
(11.00)

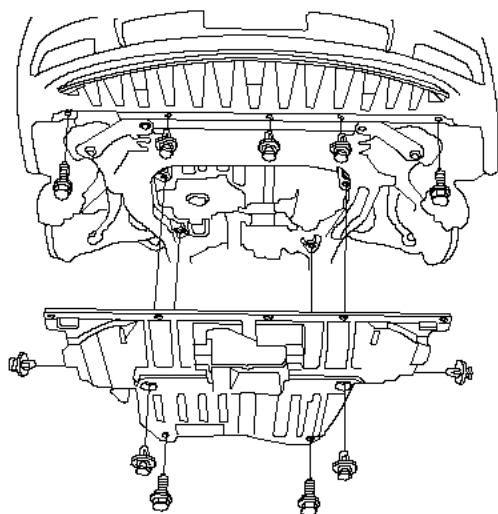
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i-CTDi N22A1 2.2L CN, CL, CM

Timing chain: removal/installation



Refit the engine lower covers
(13.00)



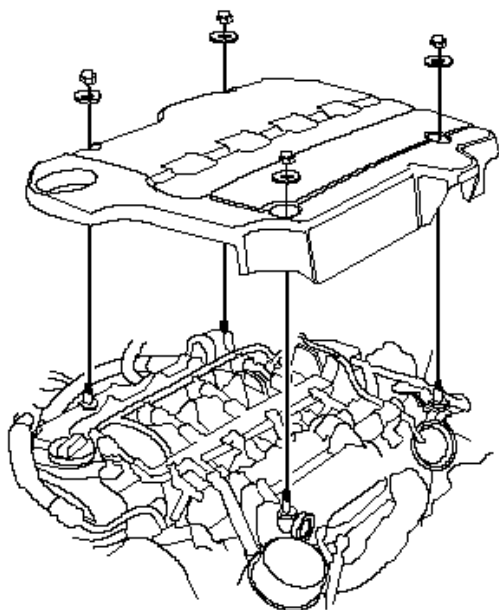
Refit the front right wheel

Refit the engine upper cover
(8.00)

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Timing chain: removal/installation



Reconnect the battery earth cable

Torque settings

Camshaft cover: (10 Nm)

Timing cover (12 Nm)

Tensioner: (12 Nm)

Chain guide: (22 Nm)

Special tools

Crankshaft pulley: (A: 07JAB-001020B, B: 07JAB-0010400, C: 07JAA-001020A)

DataCar