

Hyundai Matrix 2001-2010 Workshop Manual

MAIN MOVING SYSTEM

EMA -31

1. Tighten the bearing cap to the specified torque in two or three steps as shown.

Tightening torque

Bearing cap bolt :

12 - 14Nm (120 - 140kg.cm, 9 - 10ft.lb)

Camshaft sprocket side



Illustration

6. Using the special tool, camshaft oil seal installer (98221-01000), press fit the camshaft oil seal. Be sure to apply engine oil to the oil seal lip. Insert the oil seal along the camshaft front end and install by driving the installer with a hammer until the oil seal is fully seated.



Illustration

7. Install the camshaft sprocket bolts to the specified torque.

Tightening torque

Camshaft sprocket bolt :

60 - 100Nm (600 - 1000kg.cm, 44 - 73ft.lb)



Illustration

8. Align the camshaft sprocket and crankshaft sprocket timing marks. Place the piston in the No.1 cylinder to top dead center on the compression stroke.

9. Install the cylinder head cover.

Tightening torque

Cylinder head cover bolts :

6-10Nm (60-100kg.cm, 5-7ft.lb)



Illustration

10. Install the spark plug cables, ignition coil assembly and cylinder head center cover.

11. Install the timing belt and then tighten the timing tensioner pulley.

12. Install the timing belt cover.

Tightening torque

Timing belt cover : 6-10Nm (60-100kg.cm, 5-7ft.lb)

13. Install the water pump and crankshaft pulley.



Illustration

CYLINDER BLOCK

ENGINE MOUNTS

COMPONENTS

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TM -23



TORQUE : Nm (kg.cm, ft.lb)

Hyundai Matrix 2009 Manual

Daniela Niemeyer



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