

# Mazda 3 2004-2009 Workshop Manual



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25. Install the exhaust camshaft sprocket.

## Caution

- Do not tighten the camshaft sprocket installation bolt at this stage. Verify the valve timing before performing the bolt tightening.

26. Install the SST on the camshaft as shown in the figure.
27. Remove the upper timing chain cover and front cover upper blind plug. Remove the timing chain.
28. Rotate the crankshaft and verify that the top of the piston of the compression stroke is in contact with the weight contacts the SST.

29. Tighten the exhaust camshaft using a wrench on the SST, and tighten the sprocket installation.

## Tightening torque

88—75 N·m (7.5—7.8 kgf·m, 65—66 ft·lb)

30. Remove the SST from the camshaft.
31. Remove the SST installed in the cylinder block cover blind plug hole.
32. Rotate the crankshaft clockwise two turns and repeat the valve timing.
33. If it is not aligned, repeat the procedure.
34. Apply the silicone sealant and install the engine front cover upper blind plug.

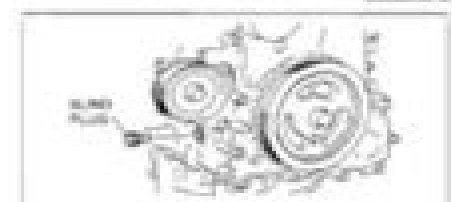
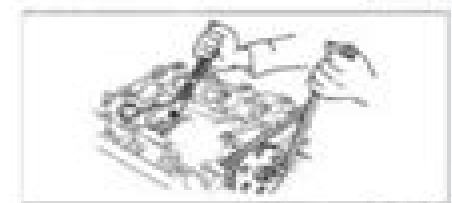
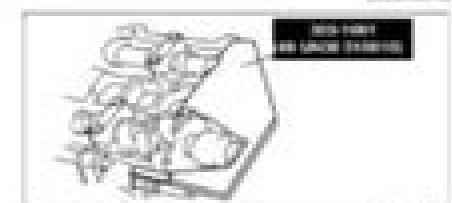
## Tightening torque

8.0—11.5 N·m (0.8—1.2 kgf·cm, 71—101 in·lb)

37. Install the cylinder block lower blind plug.

## Tightening torque

15—22 N·m (1.5—2.2 kgf·m, 14—16 ft·lb)



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