

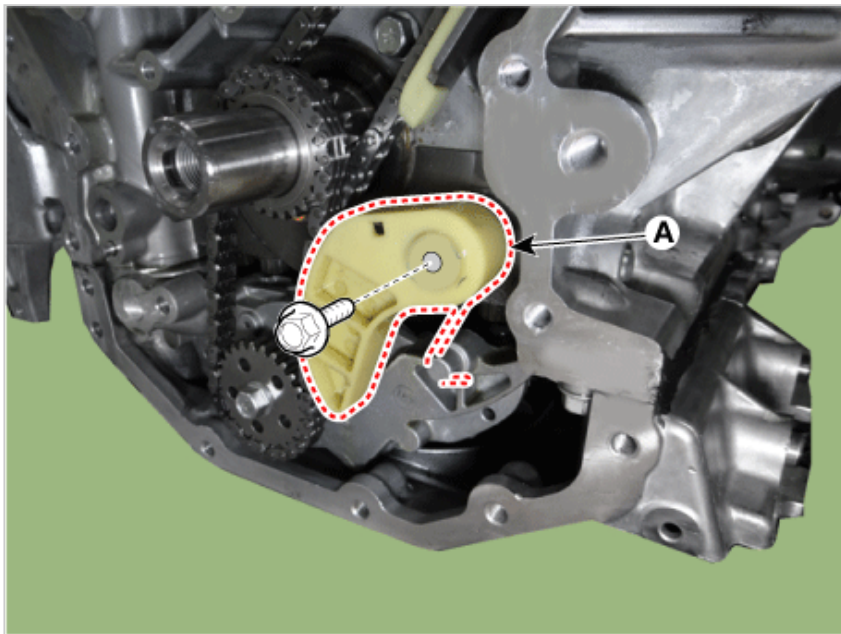


## Removal and Installation

1. Remove the timing chain cover.  
(Refer to Timing System - "Timing Chain Cover")
2. Remove the oil pump chain tensioner (A).

### Tightening torque :

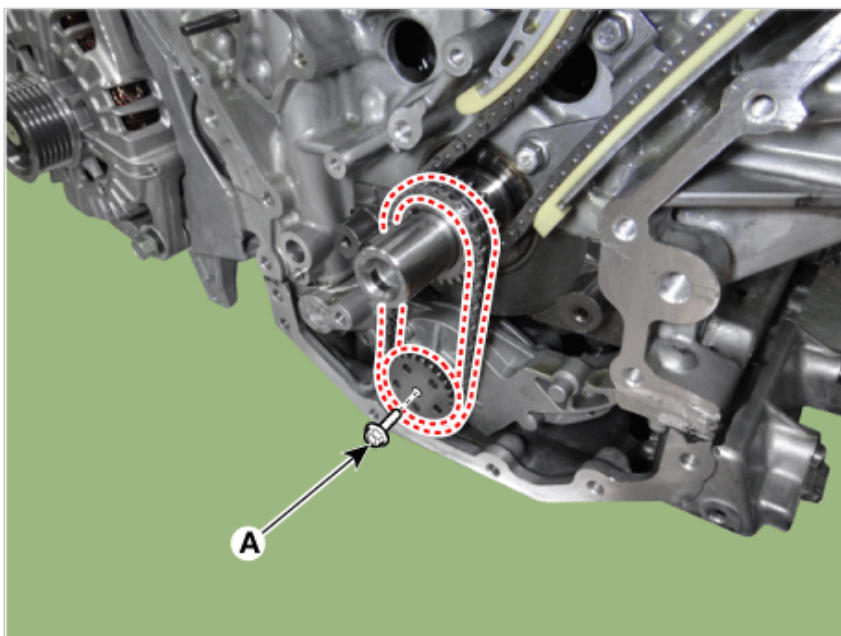
9.8 - 11.8 N·m (1.0 - 1.2 kgf·m, 7.2 - 8.7 lb·ft)



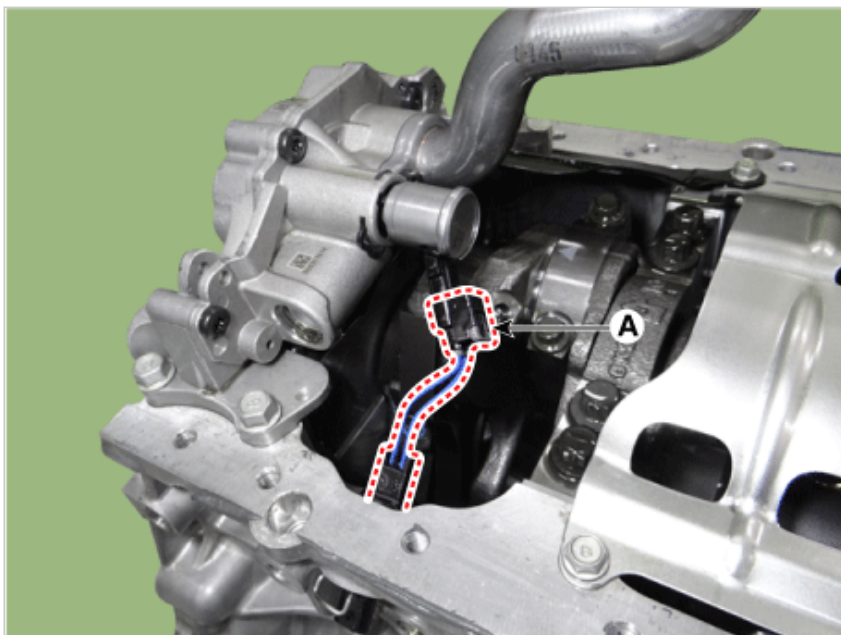
3. Remove the oil pump chain sprocket mounting bolt (A).

### Tightening torque :

19.6 - 24.5 N·m (2.0 - 2.5 kgf·m, 14.5 - 18.1 lb·ft)



4. Remove the lower and upper oil pan.  
(Refer to Lubrication System - "Oil Pan")
5. Disconnect the oil of proportional control solenoid connector (A).



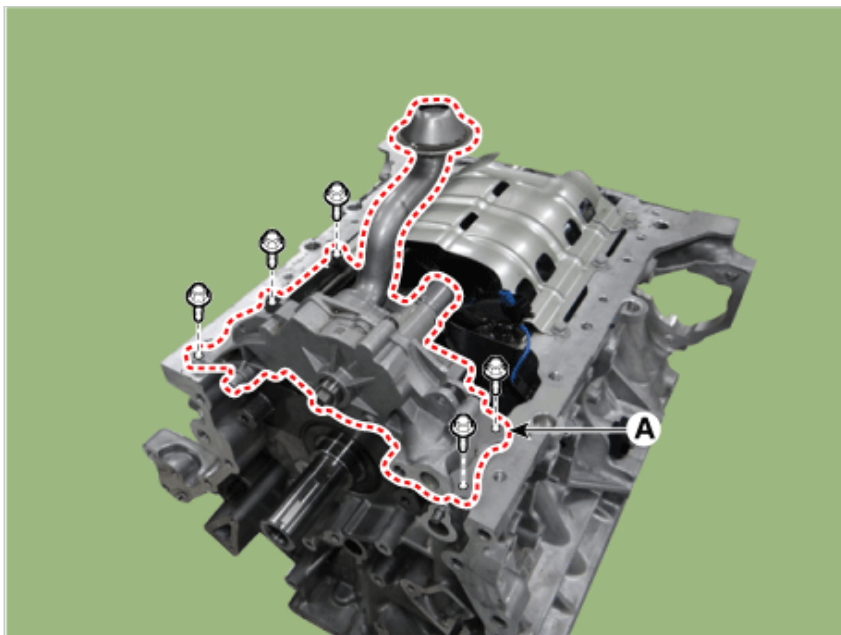
6. Remove the oil pump (A).

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**Tightening torque :**

20.6 - 22.6 N·m (2.1 - 2.3 kgf·m, 15.2 - 16.6 lb·ft)

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7. Install in the reverse order of removal.