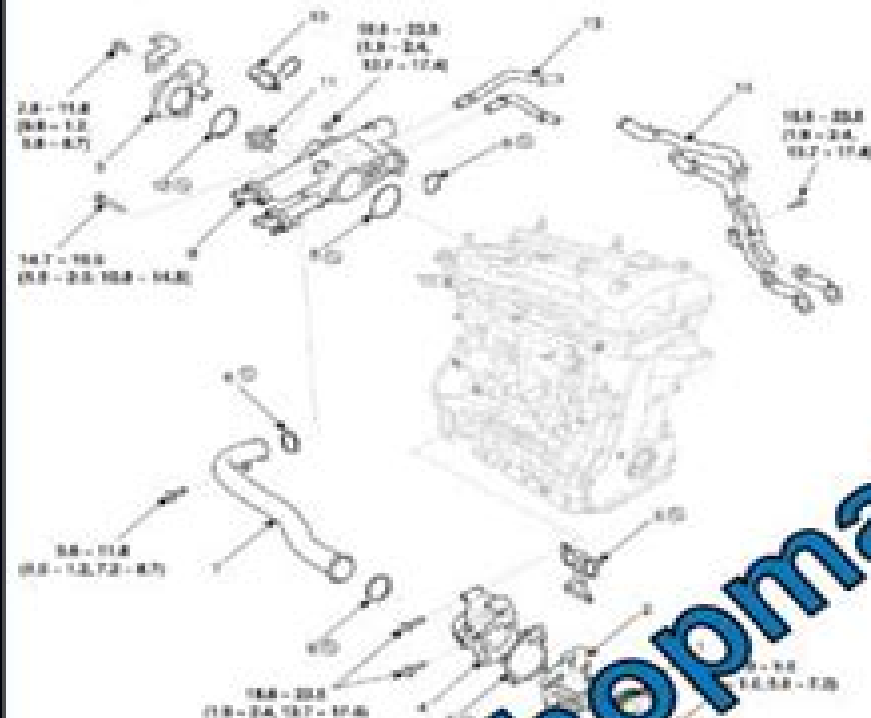


KIA Optima 2010-2015 Workshop Manual

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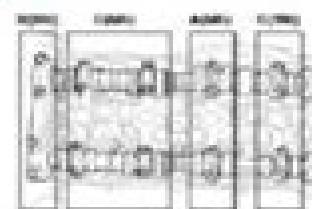
Torque : Nm (kgf.m, ft.lf)

1. Water pump pulley	6. O-ring	11. Thermostat
2. Water pump sub-assembly	7. Water pump	12. Thermostat gasket
3. Water pump gasket	8. Water pump assembly	13. Thermostat body insulator hoses
4. Water pump cover	9. Water pump assembly	14. Oil cooler contact hoses
5. Water pump cover gasket	10. Water pump assembly	

Engine Mechanical System - Cooling System - Water pump - Repair procedures

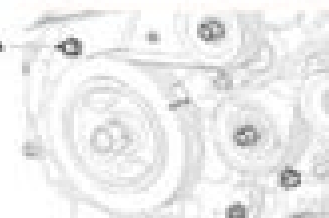
Removal of water pump

1. Loosen the drain plug, and drain the engine coolant. Remove the radiator cap to drain with speed.



Tightening torque :

11.2 - 14.7N.m (1.2 - 1.5kgf.m, 8.7 - 10.5ft.lf)



Repair Manual 05 Kia Optima

Xiang Xie



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