

119-30 Lubrication System

Engine oil cooler, removing and installing (N52 engines)

OIL COOLER

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2006 and later 6 cylinder models (N52 engines) may be equipped with an engine oil cooler mounted to the front of the oil filter housing.

↖ Oil cooler on N52 engine (**arrow**).



- Drain engine coolant. See **170 Radiator and Cooling System**.
- Loosen oil filter cover to allow oil in filter housing to flow into pan.
- Remove engine upper cover. See **020 Maintenance**.

↖ Unclip cover (**A**) from cooler.

- Remove coolant line from hose fitting on cooler (**B**). Use a shop rag to catch coolant.
- Remove bolts (**C**) and remove oil cooler. Use a shop rag to catch oil.
- Installation is reverse of removal, noting the following.
 - Clean mating surfaces and replace seal.
 - Tighten fasteners to specified torque avoid damaging seal.

Tightening torques

M8	22 Nm (16 ft-lb)
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- Refill coolant, see **170 Radiator and Cooling System**.
- Check and top off oil, see **020 Maintenance**.

