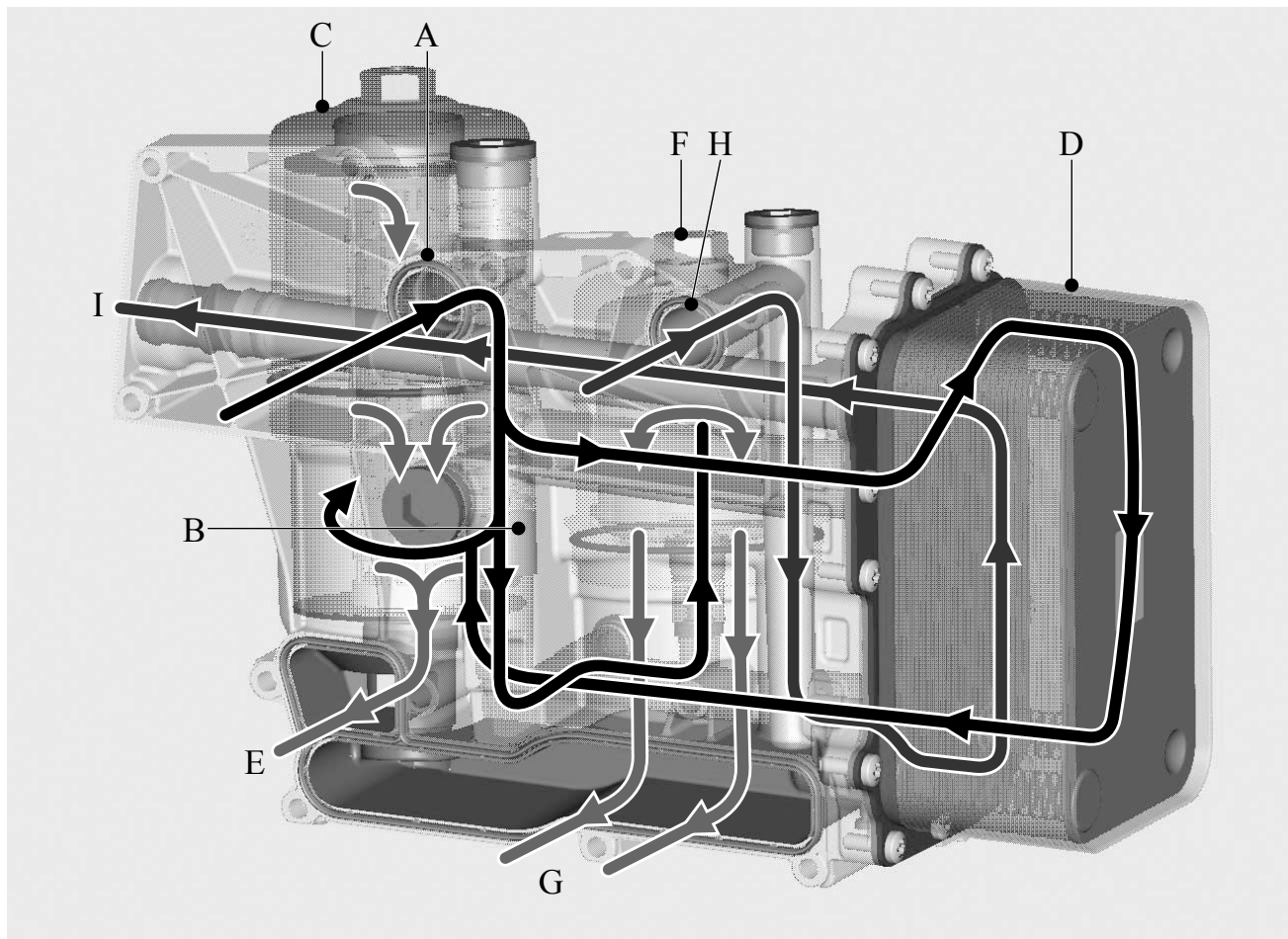


## Oil module

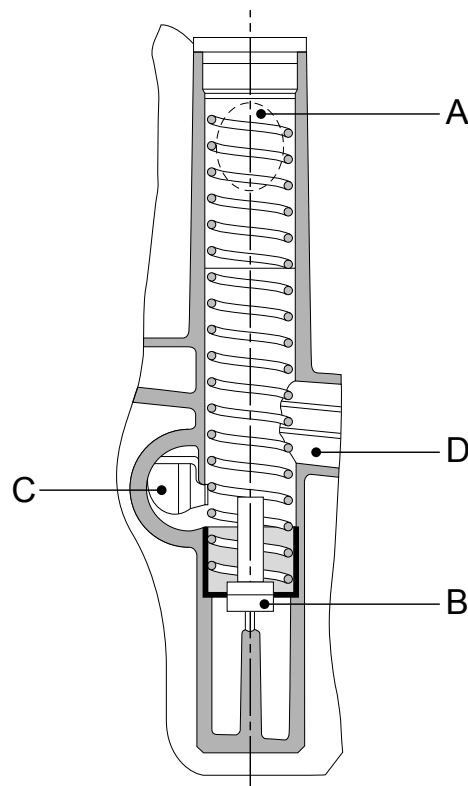


M201442



The lubricating oil is pumped from the oil pump into the oil module via opening (A). From here, the lubricating oil flows downwards. The thermostat (B) will arrive at a particular position due to the temperature of the lubricating oil. If the lubricating oil is 'cold,' the thermostat will open the openings to the oil filter and to the oil cooler (D). Most of the lubricating oil will now be brought to the oil filter (C). If the lubricating oil is warmer, the wax in the thermostat (B) will expand so that the opening to the oil filter (C) will increasingly close, resulting in more and more oil being brought to the oil cooler (D).

A small percentage of the lubricating oil flows down through the thermostat housing (B) to any centrifugal oil filter present (F). The lubricating oil filtered here goes directly back via opening (G) to the oil sump.



M201440



After being filtered, the lubricating oil that flows to the oil filter (C) will be brought to the main oil channel of the engine via opening (E).

The lubricating oil brought to the oil cooler (D) will be brought from here to the oil filter (C) via a channel in the oil module. The lubricating oil will be filtered again, and the clean lubricating oil will be brought via outlet (E) to the main oil channel of the engine.

The coolant that will cool the lubricating oil enters the oil module via opening (H). From here, the coolant flows through the oil cooler (D) and leaves the oil module via channel (I) to the coolant pump.

M026855 - 02.19.2010

This information applies exclusively to the entered chassis number or the selected engine type. Please take into account that this information may change daily. Therefore the provided information is only valid on 12-13-2015. You cannot derive any rights from the information provided with respect to vehicles and/or components of another series, with another chassis number, and/or of another date. ( / )