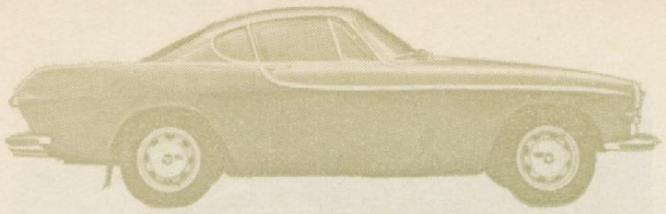
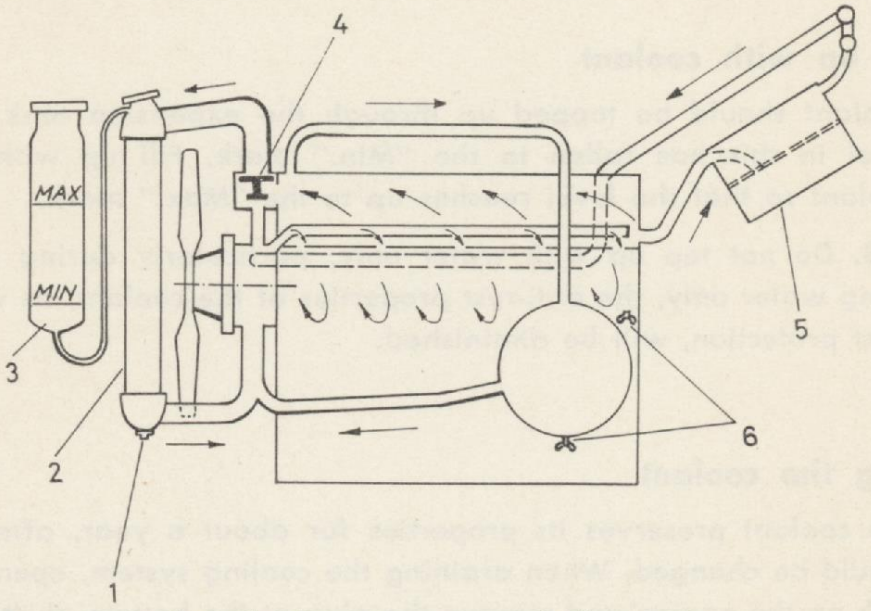


SUPPLEMENT TO INSTRUCTION BOOK FOR

VOLVO 1800 S

The latest models of the 1800 S are provided with a closed type cooling system with expansion tank.

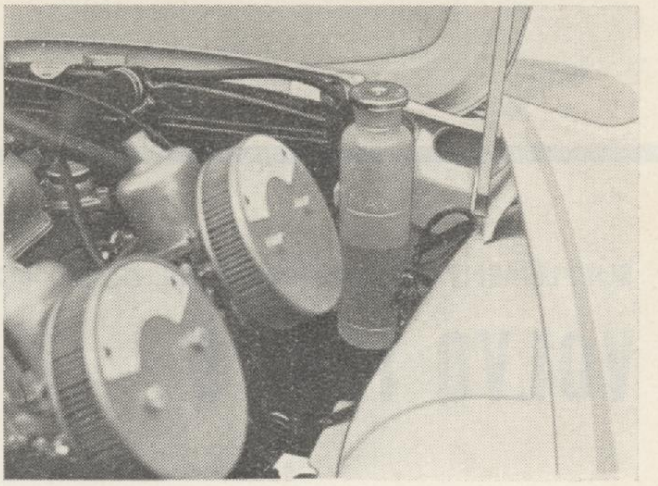


1 Drain plug
2 Radiator
3 Expansion tank
4 Thermostat
5 Heater
6 Drain cock

The purpose of the expansion tank is to prevent air from circulating with the coolant and causing corrosion in the cooling system. The extra volume necessary for the expansion of the coolant is provided by the expansion tank. The air in the upper tank of the radiator is gradually separated and conveyed to the expansion tank by the alterations is volume which occur in connection with varying temperature and engine speed.

The cap on the expansion tank is provided with a valve which opens when subjected to overpressure or vacuum respectively.

Checking the coolant level



In order for the cooling system to operate with maximum efficiency, it must be well filled and free from leakage. Check the coolant level every time when filling up with fuel. The level should come between the "Max." and "Min." marks on the expansion tank.

Particular care should be taken with this check when the engine is new or after the cooling system has been emptied.

Topping up with coolant

Coolant should be topped up through the expansion tank when the level in this has fallen to the "Min." mark. Fill up with sufficient coolant so that the level reaches up to the "Max." mark.

N.B. Do not top up with water only, particularly during winter. By using water only, the anti-rust properties of the coolant, as well as the frost protection, will be diminished.

Changing the coolant

The coolant preserves its properties for about a year, after which it should be changed. When draining the cooling system, open the drain cock on the engine and remove the plug at the bottom of the radiator. Also open the drain cock on the oil cooler. The expansion tank is emptied by lifting it from the brackets and holding it up sufficiently high so that the coolant can run out through the radiator.

Before filling up with fresh coolant, the whole system should be flushed with clean water. Coolant is filled up through the radiator opening, when the heater control should be set to "Max." in order to permit the whole system to be filled. Fill up the radiator completely and fit on the cop. Then fill up the expansion tank to the "Max." mark or slightly above it. Run the engine warm and then check that the radiator is completely full and that the level in the expansion tank comes between the "Min." and "Max." marks.

The capacity of the cooling system is 8.6 litres (15 Imp. pints = 18 US pints), of which the expansion tank holds 0.6 litre (1 Imp. pint = 1 1/4 US pints) when the level is on the "Max." mark.

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