



Audi + VW **All models**

Wrong coolant additives can lead to engine damage

Over the years, the coolant additives (anti-freeze and corrosion protection agent) have been adapted again and again to engine and component development in the above-mentioned vehicles. At the moment, a distinction is made between three coolant additives that have been filled in the factory depending on the model year:

- **G11** (colour green-yellow) for vehicles up to model year 1996
- **G12** (colour red) for vehicles from model year 1996
- **G12 Plus** (colour blue-lilac) for vehicles from model year 2002

When coolant is being refilled, care must be taken that the right coolant additive is used.

G11 and G12 can never be mixed, i.e. the same coolant additive as is already in the system must be used for refilling. Otherwise major engine damage can be the result. If the liquid in the recovery bottle is brown, G12 has probably been mixed with another coolant additive. In this case, the whole cooling system has to be filled with clear water. Then allow the engine to run for several minutes and drain the water off. Finally, fill the cooling system with the correct coolant and evacuate if necessary. G12 Plus can be mixed with the additives G11 and G12, i.e. G12 Plus can be used to refill cooling systems that are filled with either G11 or G12. Equally, G11 and G12 can be used for refilling systems filled

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with G12 Plus. The only effect in this case is a slight reduction in quality of G12 Plus. There is no serious damage done, however. Always follow the vehicle manufacturer's instructions for filling and refilling the cooling system. This particularly applies to the right selection and mixing ratio of the coolant.

In addition, heed the information about correct cooling system evacuation. Follow the vehicle manufacturer's instructions here too.

