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Specific guidance for working on BMW radiators with different screw plugs

When installing a new radiator into certain BMW models, a short or long screw plug must be fitted, depending on the transmission type.

Some BMW radiators can be used for different vehicle and transmission combinations. That's why these radiators are supplied with two screw plugs of differing lengths. To prevent damage, using the correct screw plug during installation is essential.

Transmission types

The radiators are always supplied with both screw plugs and seals. Depending on the application, the relevant screw plug either needs to be fitted at the bottom of the radiator or is already fitted. Remember the following rule:

- The short screw plug is used for vehicles with manual transmission.
- The long screw plug is intended for vehicles with automatic transmission and an oil cooler.

Using the short screw plug in a vehicle with automatic transmission can cause serious damage. That's because the additional connection to the oil cooler remains closed, preventing coolant from flowing into the transmission oil cooler.

If, on the other hand, the long screw plug is installed in a vehicle with manual transmission, coolant will escape at the unused oil cooler connection.

Radiator models with two screw plugs

BMW radiators with these part numbers can be used for different vehicle and transmission combinations:

- CR 455 000S / CR 1083 000S / CR 1088 000S
CR 1084 000S / CR 1085 000S / CR 1162 000S
CR 1086 000S / CR 1087 000S / CR 1393 000S



Figure 1: Short and long screw plugs, as supplied with the radiator

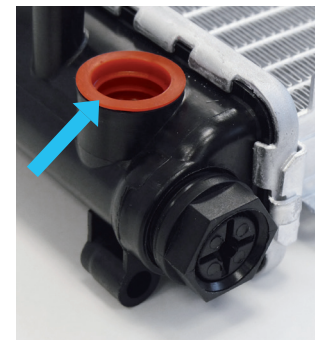


Figure 2: In vehicles with manual transmission, the additional connection remains unused and is sealed using a dummy plug.

Important!

Always replace seals and coat them with clean coolant before fitting in order to prevent damage caused by dry assembly.