

Note:

If oil has penetrated the coolant circuit, you must flush the radiator and coolant expansion tank with cleaning agent, refer to BMW Service Operating Fluids.

**Caution!**

When working on the oil, coolant or fuel circuit, protect the alternator against contamination (not applicable to alternators with coolant jackets).

Cover alternator with suitable materials.

Failure to comply with this procedure may result in an alternator malfunction.

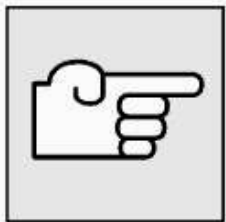
**Separate coolant expansion tank**

Remove radiator.

Remove coolant expansion tank.

Integral coolant expansion tank

Remove radiator.



1. Prepare approx. 2 liters of cleaning agent.
2. Fill radiator and coolant expansion tank and shake well. Wait a few minutes until oil has separated.
3. Drain radiator and coolant expansion tank.
4. Reinstall cleaned radiator and if necessary coolant expansion tank.
5. Fill entire cooling system (heating control to "warm") with hot water and thoroughly flush by changing water several times.
6. Check drained flushing fluid for traces of oil. If necessary, repeat Procedure 5.

After cleaning procedure, top up coolant.