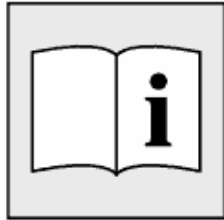


Follow instructions for disconnecting and connecting battery,

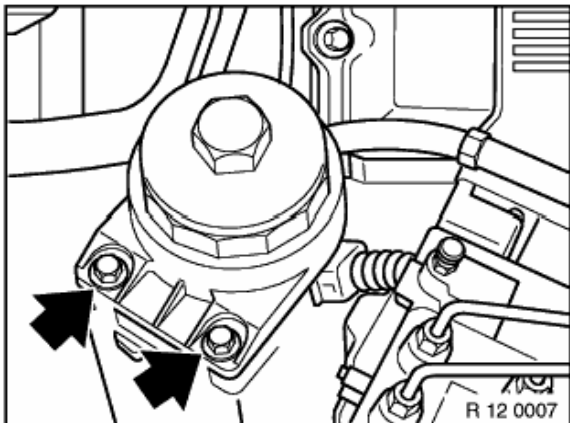
refer to General Information MG 12.

Switch off ignition.

Disconnect and cover battery negative lead.

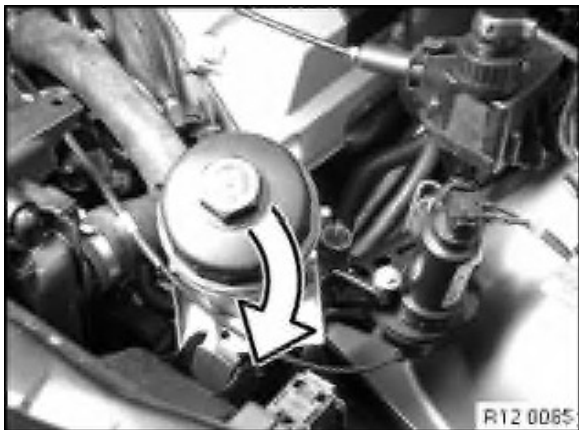


Remove alternator drive belt,
refer to 11 28 010.

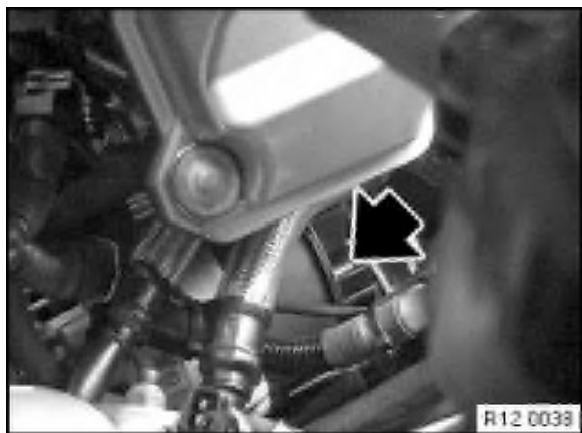


Alternator with air cooling:

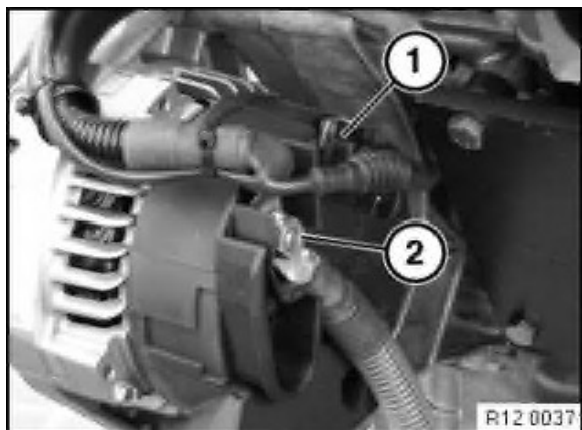
Unfasten screw connection on oil-filter housing.



Place oil-filter housing to one side.



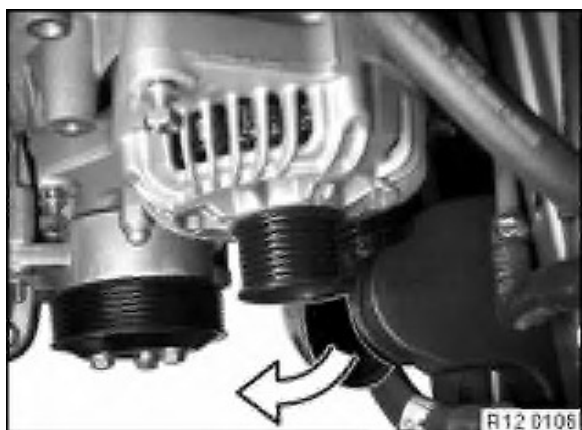
Disconnect alternator connections.



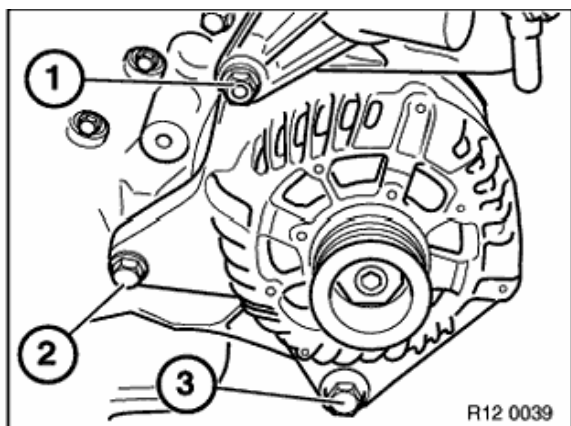
Connections illustrated here on removed alternator.
Disconnect plug connection (1).
Unscrew nut (2).
Tightening Torque,
refer to Technical Data 12 31 1AZ.



Unfasten cable clip (1).



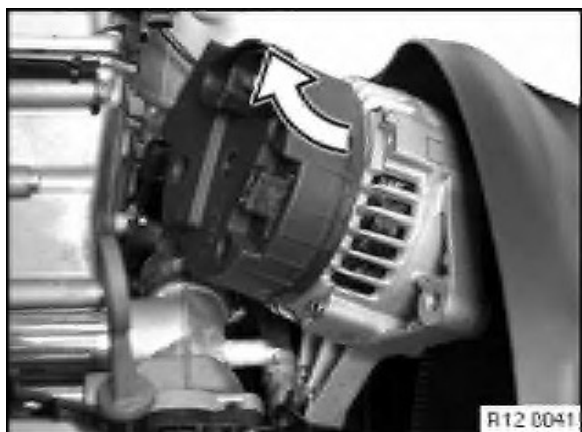
Unclip cooling air guide.



Unfasten screws (1 to 3).



Pull out alternator towards front.



Pull alternator upwards to remove.

Caution!

Do not damage cooling fins!

If necessary, replace alternator belt pulley, refer to 12 31 ...



Alternator with liquid cooling:

Warning!

Danger of scalding!

Only perform these tasks on an engine that has cooled down.

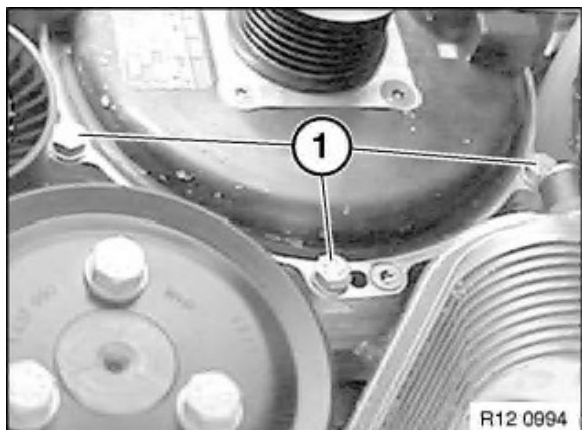


Remove fan impeller and fan clutch from water pump, refer to 11 52 020.

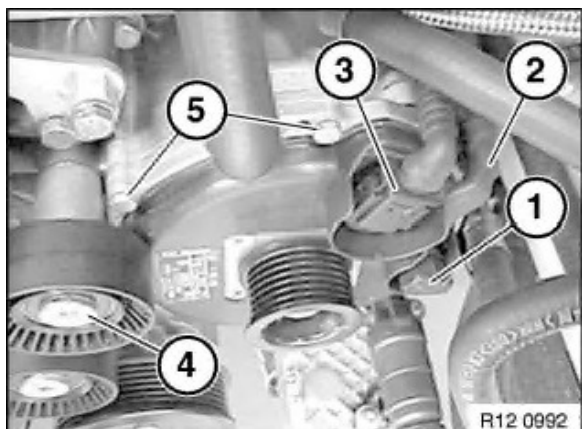
Drain coolant, refer to 17 00 005.

Note:

Fill cooling system after completing work. Vent cooling system and check for leaks, refer to 17 00 039.



Release screws (1) on alternator.



Unscrew bolt (1).

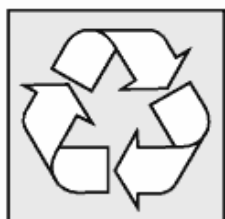
Remove battery lead (2).

Tightening Torque, refer to Technical Data 12 31 1AZ.

Disconnect plug (3).

Release screw (4) and lay roller to one side.

Release remaining 3 screws (5) on alternator.

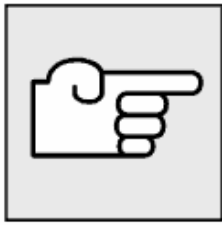


A residual quantity of coolant emerges when the alternator is removed.

Recycling

Catch and dispose of escaping coolant.

Observe country-specific waste-disposal regulations.



Pull out alternator towards front.

Note:

If necessary, disconnect upper coolant hose to assist removal.

Installation:

Replace sealing ring on alternator.

If necessary, replace alternator belt pulley, refer to 12 31 ...