

### Freeze plugs

Engine Models 230, 250, 251

Distribution:

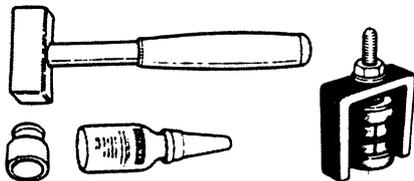
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#### New execution of freeze plugs in the engine block

As from engine serial numbers Model 230/No 2200023214, Model 250/No 2200110824, Model 251/No 2200206071 a new type of freeze plugs has been introduced into production on our 4 cylinder gasoline engines. Freeze plugs of the old type and of the new type are not interchangeable. Should you need to replace a freeze plug of the new type, the following replacement method is applicable:



#### Necessary tools:

Puller tool part no 9814219-3, a 27 mm sleeve, a small sledge hammer, locking fluid part no 1161053-2.

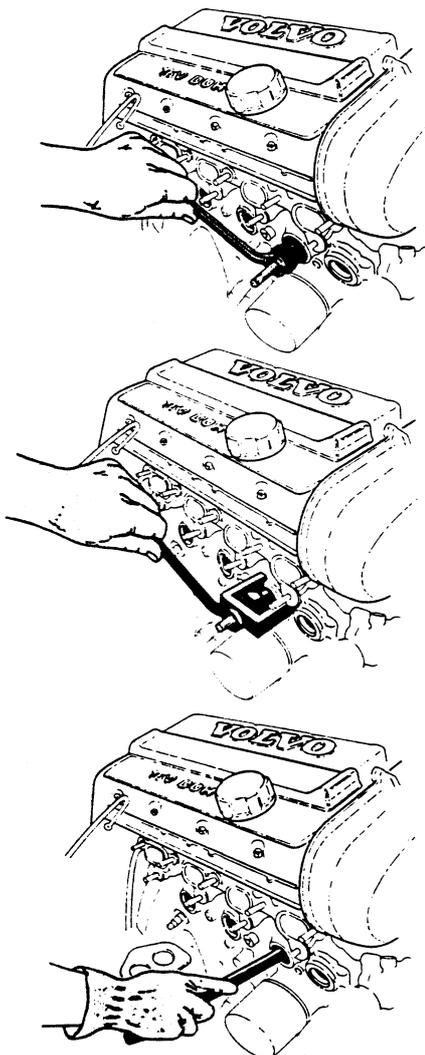
#### Method

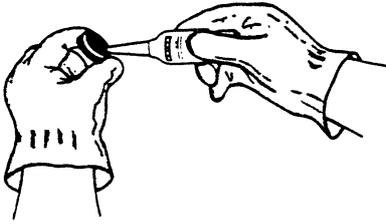
Uncover the freeze plug you need to replace. Use a mandrel and make a mark in the middle of the plug in order to facilitate the removal.

Install the expander in the freeze plug. Tighten with a torque of 10-25 Nm. **Maximum torque allowed is 40 Nm.** A higher tightening torque might crack the expander.

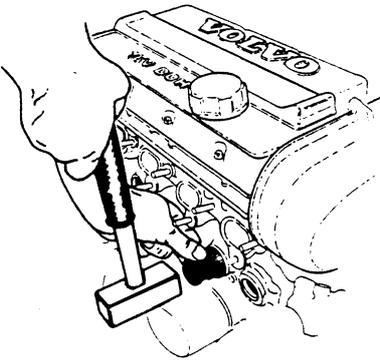
Install a yoke and use a wrench to tighten until the freeze plug is coming off.

Clean the freeze plug seat in the cylinder block. Use a scraper to clean. Carefully remove possible corrosion residue and old sealants.

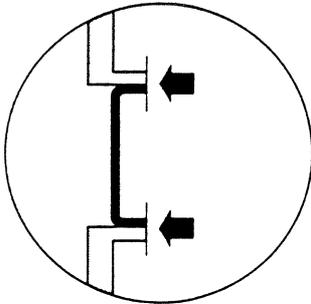




Use a new freeze plug and coat it abundantly with locking fluid part no 1161053-2. **WARNING!** Use protective gloves. The locking fluid might cause skin irritation. Also make sure to protect your eyes.



Install the new freeze plug in its seat in the engine block. Use a 27 mm sleeve and a small sledge hammer.



Work the freeze plug into the engine block to be flush with the block as indicated in the picture. **Please note that there is no stop or shoulder in the engine block against which the plug might come to rest.** Therefore do not work the plug to far into the engine block.