



**VOLVO**

# WORKSHOP BULLETIN

**CARS**

RE:	PRODUCT
STARTING IN COLD WEATHER	BLP
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DATE	2
November 1962	

## Starting in severe cold.

After a car has stood outside in severe cold for a few hours, the oils in the engine, gearbox and rear axle become very viscous. If the car is started in such a condition and then loaded heavily immediately afterwards, this can cause severe damage since the viscous oil will not give sufficient lubrication.

The risk is particularly great when using "ether" starting since the engine can then come up to uncontrollably high speed causing damage. Particular care must therefore be observed when using this method.

A much better method is to use an engine heater for warming the engine coolant. There are different types of these using electricity, methylated spirit, petrol or gas oil. Devices are also available for warming the oils in the engine, gearbox and rear axle.

Even when starting a car with an engine heater only in severe cold, a certain amount of care is also necessary. The engine should be allowed to idle for a few minutes and the car driven with low loading for the first few miles.