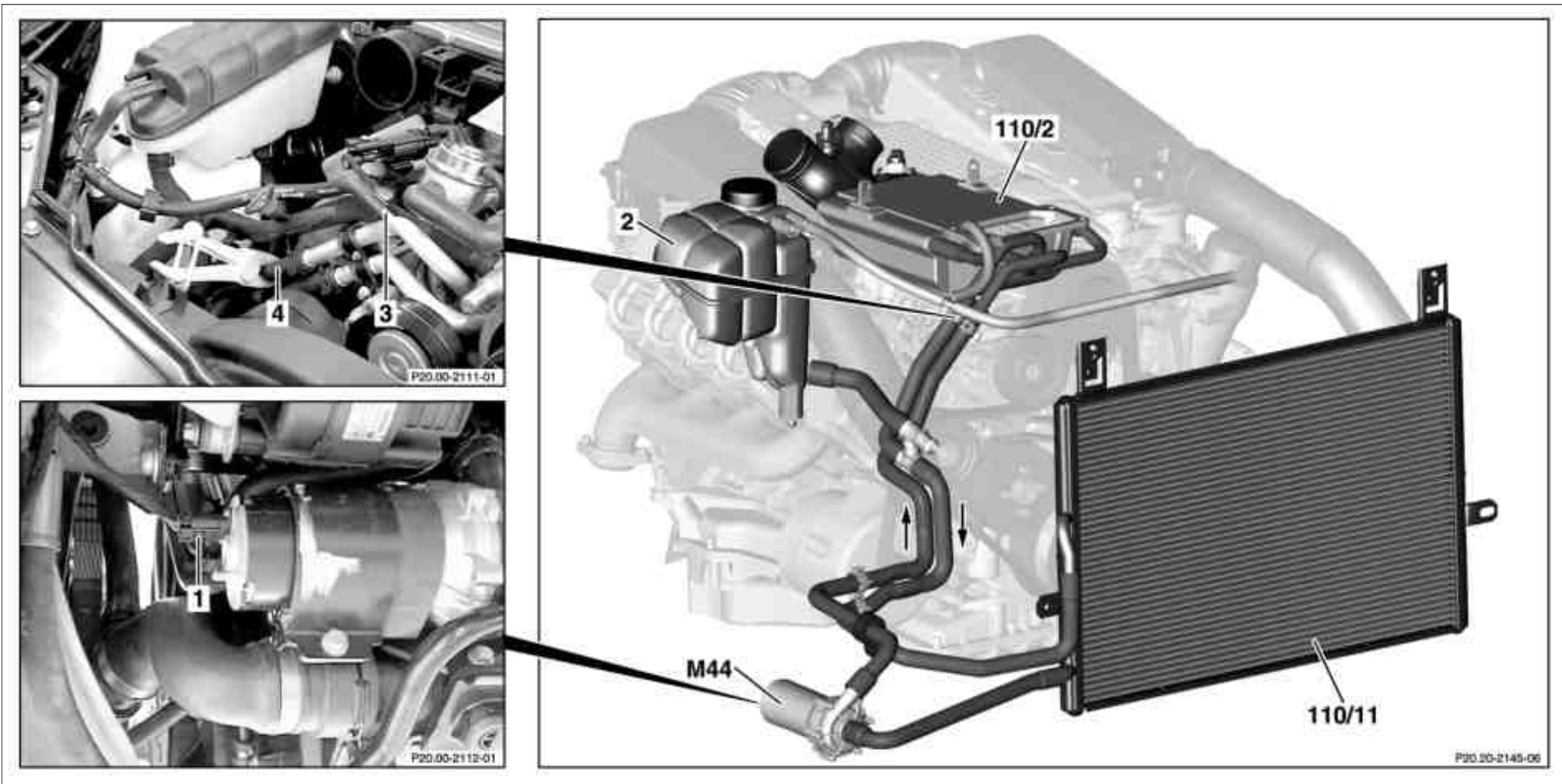


**Dokumenttitel** Venting air from the low temperature circuit

**Dokumentnummer** ar2000p1145rvk

<b>AR20.00-P-1145RVK</b>	<b>Venting air from the low temperature circuit</b>	<b>24.1.06</b>
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**ENGINE 113.992 in MODEL 230.474**  
**ENGINE 113.990 in MODELS 211.076 /276**  
**ENGINE 113.991 in MODEL 215.374**  
**ENGINE 113.991 in MODELS 220.074 /174**  
**ENGINE 113.963 in MODEL 230.475**  
**ENGINE 112.960 in MODEL 170.466**  
**ENGINE 112.961 in MODELS 203.065 /265**  
**ENGINE 113.995 in MODEL 230.472**



P20.00-2110-09

- 1 Electrical connector
- 2 Coolant compensation tank
- 3 Connection

- 4 Coolant drain line
- 110/2 Heat exchanger compressor

- 110/11 Low-pressure cooler
- M44 Charge air cooler circulation pump



**Remove/install**

<p><b>⚠ Danger!</b></p> <p>1</p>	<p><b>Risk of injury</b> to skin and eyes caused by scalding from contact with hot coolant spray. <b>Risk of poisoning</b> from swallowing coolant.</p> <p>Open cap at coolant expansion reservoir (2)</p>	<p>Do not open cooling system unless coolant temperature is below 90°C. Open cap slowly and release pressure. Do not pour coolant into beverage containers.</p> <p>Wear protective gloves, protective clothing and safety glasses.</p> <p><b>i</b> Cap with detent: Carefully turn cap as far as first detent, release pressure, and then unscrew cap.</p> <p><b>i</b> 2-stage and 1-stage cap: Rotate cap half a revolution counterclockwise, release pressure relief and then unscrew cap.</p> <p>All engines</p>	<p>AS20.00-Z-0001-01A</p>
<p><b>ⓘ</b></p>	<p>Notes on coolant</p>	<p>All engines</p>	<p>AH20.00-N-2080-01A</p>
<p>2</p>	<p>Pour in coolant</p>	<p><b>i</b> Fill coolant up to prescribed marking in coolant expansion reservoir (2).</p>	<p>AR20.00-P-1142RVK</p>
<p>3</p>	<p>Close coolant drain line (4) with pliers</p>		
<p>4</p>	<p>Detach coolant line from fitting (3)</p>		
<p>5</p>	<p>Attach additional ventilation hose to fitting (3)</p>	<p><b>i</b> Route vent hose to coolant expansion tank (2).</p>	
<p><b>⚠ Danger!</b></p> <p>6</p>	<p><b>Risk of injury caused by moving parts that can pinch, crush or</b>, in extreme cases even <b>sever</b> extremities.</p> <p>Venting air from the low temperature circuit</p>	<p>No parts of the body or limbs should be within the operating range of the mechanism when components are in motion.</p> <p><b>i</b> The electric fan runs up to 50% during the ventilation procedure.</p> <p><b>i</b> <b>Purging:</b> Actuate charge air cooler circulation pump (M44) using STAR DIAGNOSIS. Let charge air cooler circulation pump (M44) run until coolant flows out of fitting (3) free of bubbles.</p> <p>STAR DIAGNOSIS diagnosis system</p>	<p>AS00.00-Z-0009-01A</p> <p>*WH58.30-Z-1048-13A</p>
<p>7</p>	<p>Install in the reverse order</p>		
<p>8</p>	<p>Inspect cooling system for leaks</p>		<p>AR20.00-P-1010RVK</p>

## Commercially available tools

Number	Designation
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car <span style="float: right;">6511 1801 00</span>