


AR83.30-P-1760GH	Draining, evacuating and refilling air conditioning, checking function and checking for leaks	14.1.03
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MODELS 163 with CODE (580) Air conditioning or Tempmatic for USA

- 1 Filling unit
- 2 Connector (red)
- 3 Connector (blue)



P83.30-3734-06

	Draining		
 Danger!	Risk of explosion from welding or soldering work on closed air conditioning system. Risk of poisoning. Inhaling overheated refrigerant vapors may be toxic. Risk of injury from skin	Do not carry out any welding work on the closed air conditioning system or in the surrounding area. No smoking or open flames. Wear eye protection and protective gloves. Work only in well	AS83.00-Z-0001-01A

	and eye contact with liquid refrigerant.	ventilated areas. Carry out repair work on the air conditioning system circuit only after the system has been discharged.	
1	Connect the connector (blue) (3) of the filling unit (1) to the Schrader valve of the high-pressure line and the connector (red) (2) to the Schrader valve of the suction line.	 During all steps, the operating instructions for the particular filling unit must be followed.	
			WH58.30-Z-1003-16A
2	Discharge air conditioning system		
3	Drain separated oil for refrigerant compressor out of the inspection glass for the filling unit and determine the quantity exactly	 Drained quantity must be replaced by fresh oil for refrigerant compressor.	
	Evacuate		
4	Clean air conditioning system and evacuate		
	Filling		
5	Supplement oil for refrigerant compressor	 The exact quantity determined when drained must be used.	
6	Fill air conditioning system		BF83.30-P-1001-01B
	Testing		
7	Inspect air conditioning system for leaks with leak detector		WH58.30-Z-1001-27A
 Danger!	Risk of accident. Accidents may result if the vehicle starts off unintentionally with the engine running. Risk of injury from bruises and burns if you hold your hand near engine when it is started or when it is running.	Secure vehicle to prevent it from moving. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
8	Check function of air conditioning	 Run engine at idle speed for about 4 minutes and check all the component	

		functions which are of relevance for proper operation of the air conditioning system.	
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 **Air conditioning system**

Number	Designation			Model Series 163
BF83.30-P-1001-01B	Refrigerants	Filling quantity	g	750 =26.455 ozs.
		Specifications for Operating Fluids	Sheet	BB00.40-P-0361-00A

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1003-16A	Air conditioning draining, evacuating and filling equipment for refrigerant R134a	Behr GmbH u. Co. KG D-70469 Stuttgart	36.113.00.002 SECUmat 134a
WH58.30-Z-1001-27A	Air conditioning leak detector	Behr GmbH u. Co. KG 70469 Stuttgart	988 047 Model 5650