

Description of the BN-4 Ventilating Combustion Heater

General

The BN-4 ventilating combustion heater, Test Code S-036, is manufactured by the Eberspächer Company of Esslingen, Germany.

The heater is a special order item. It can be installed in the space behind the spare tire in the front compartment of the below listed types of cars commencing with serial numbers as follows:

Coupe,	from Chassis Serial No. 117 601
Convertible,	from Chassis Serial No. 155 601
Hardtop,	from Chassis Serial No. 201 601

The BN-4 heater is a self-contained heat generating unit operating independently of the car's combustion engine and, consequently, will produce heat regardless whether the car is in motion or the engine running. However, when using the heater with the car parked, battery charge level should be taken into consideration since the battery supplies the electrical energy for the heater.

The operating voltage is 6 Volts DC and power draw is approx. 50 Watts, meaning that the drain on the battery equals $\frac{50}{6} = 8.4$ Ah. Correspondingly, when using a battery with a capacity of 84 Ah, and assuming that the battery is only half-charged, the heater will operate with the car at standstill for only $\frac{42}{8.4} = 5$ hours, at which time the battery would be fully discharged.

The BN-4 heater is standard equipment on Type 356 B/2000 GS (Carrera 2) cars. The operating voltage of heaters supplied for these cars is 12 Volts.

Technical Data

Heat output	<u>progressively variable</u>	from 1080 to 4000	kcal/h
Ventilating air flow	approx.	150	kg/h
Fuel			carburetor fuel
Fuel consumption	min.	0.2	l/h
	max.	0.65	l/h
Power draw		50	Watts
Operating voltage		6	Volts DC
Weight	approx.	11	kg
Warm air temperature		40 to 100	°C
	<u>progressively variable</u>		

as shown in heat output diagram on page S TRA 6