

**MERCEDES-BENZ**



*Type 220 S*



## Famous for Quality and Comfort

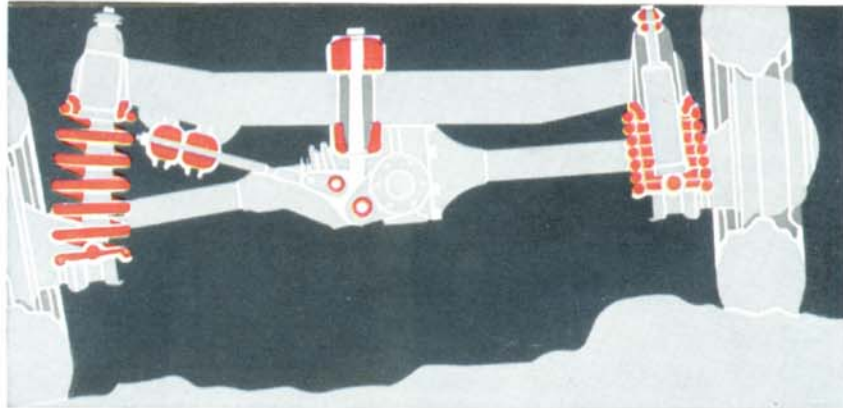


Don't be deceived by the classical appearance of the Mercedes-Benz 220 S – it conceals an ultra-modern car. Motoring enthusiasts all over the world sing the praises of its performance, styling and driving qualities. Every detail is the result of thorough testing and prolonged trials for it has been engineered for safety, reliability and quality. Take a good look at this car, both inside and outside: the softly-upholstered seats with their cheerful robust covers are just as inviting as the large compartment in which 5–6 persons can travel in comfort. And if you belong to the family of motorists who love to sit three abreast at the front, you can have a bench installed instead of two individual seats, at no extra cost. The 220 S provides all the comfort you want – and a little bit more. You will find upholstered armrests, 4 windows which can be completely lowered, ashtrays at the front and rear, large door pockets, practical and safe door handles, and long rails with movable clothes hooks on the right and left side; all these are only a few examples of the care which has been expended on the interior appointments. You will be struck by the elegant, yet cozy atmosphere of the interior and the fine workmanship which even the smallest details betray will not escape your attention.

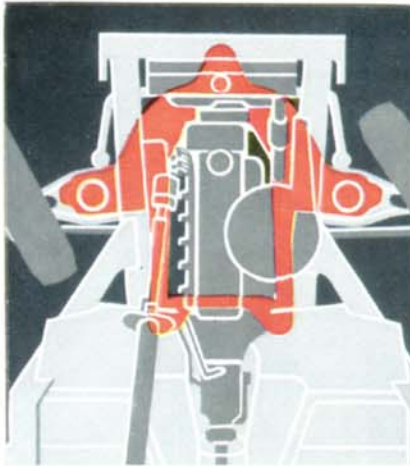
Independent wheel suspension,  
turbo-cooled brakes.



Mercedes-Benz single-joint swing axle.



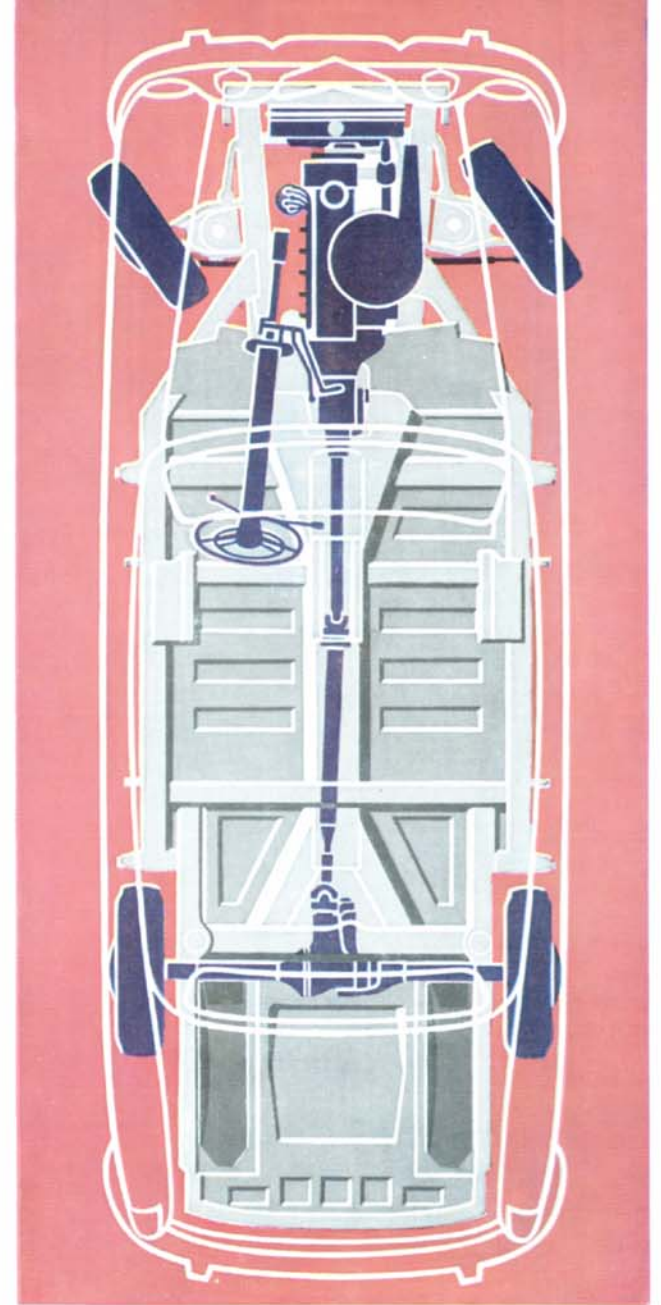
The "Sub-frame" comprehends the engine, steering and front wheel suspension in one integral unit. It insulates vibrations, regardless of whether they originate from the engine or the road, and is easily wheeled out for servicing work.



The Mercedes-Benz recirculating ball-type steering responds smoothly and precisely. A steering shock absorber protects it from road shocks.



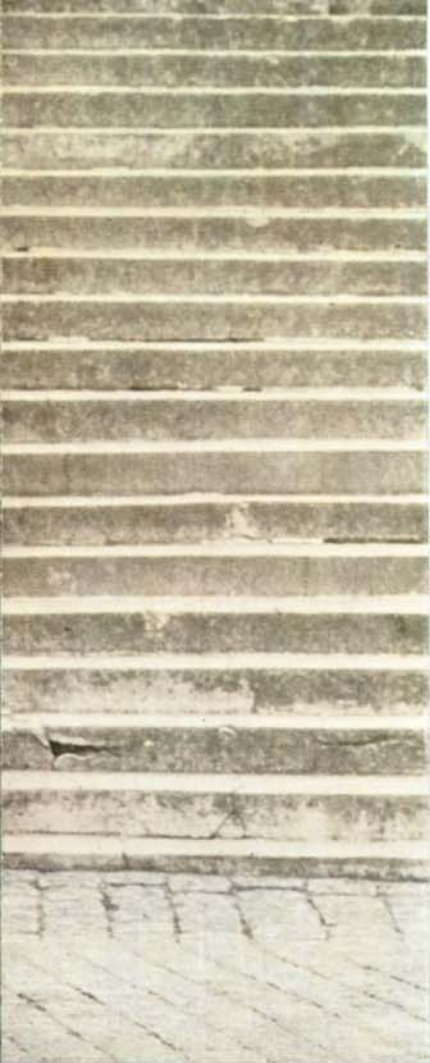
Workmanship means to concentrate on safety. It is this feeling of utter safety which you enjoy whenever you drive a Mercedes-Benz 220 S. Safety characterizes all the technical details which combine to produce the unrivalled driving properties of the 220 S. First-rate springing is the explanation for its extremely good roadholding quality. Independent wheel suspension at the front with coil springs, telescopic shock absorbers and a torsion stabilizer bar, and the single-joint swing axle with low pivot point at the rear are the reason for the amazing stability of the car. The smooth recirculating ball-type steering is located in the "sub-frame". Aircooled turbo-brakes, which are effortlessly actuated by a servo-booster mechanism, grip gently but firmly. Test the 220 S as much as you like, you will find quality work everywhere and readily admit that this car lives up to its reputation.



The floor-frame unit, the steel foundation of your safety, is firmly connected with the body to form an extremely robust unit.



Harmonious designing, flowing outlines and unobtrusive chromium trim contribute to the elegance of this car. Indeed, both the outer design and the driving qualities of the Mercedes-Benz 220 S have a conspicuous individuality which put it in a class of its own. Its beauty is all the more remarkable because it will gracefully weather the years. Time cannot impair its styling and quality. And as far as the outside equipment of the 220 S is concerned, it really leaves nothing to be desired. The windshield of laminated safety glass and novel door locks have been designed with your safety in mind as have the two fog lights, a back-up light and four powerful direction indicators. And when you choose the finish for the loveliest car you've ever owned, you can give free rein to your phantasy. There are 5 standard colors, but upon request you can have any shade or two-tone combination you like.



Safety calls for ease of control and steering. The Mercedes-Benz 220 S meets both these requirements in an exemplary fashion. The numerous controls are so sensibly arranged on the handsome instrument panel that you instinctively reach for the right knob or button. A horizontal, glare-proof speedometer clearly records how fast you are travelling. Fuel gage, daily trip recorder and odometer, oil pressure gage and cooling water thermometer as well as control lights for the blowers which defrost or heat the stationary car, direction indicators, choke and bright beam tell-tale lights, are as essential as they are quickly surveyed. Many small details create an atmosphere of superlative comfort; for instance, the dippable rearview mirror for the driver – and the make-up mirror set in the right sun visor for the lady; the electric clock and two glove compartments which can be closed. A superb heating and ventilation system, which can be separately controlled by the driver and the passenger next to him, enable you to adjust the temperature to your wishes. Servo-assisted brakes, smooth steering and gearshifting make it child's play to drive safely.

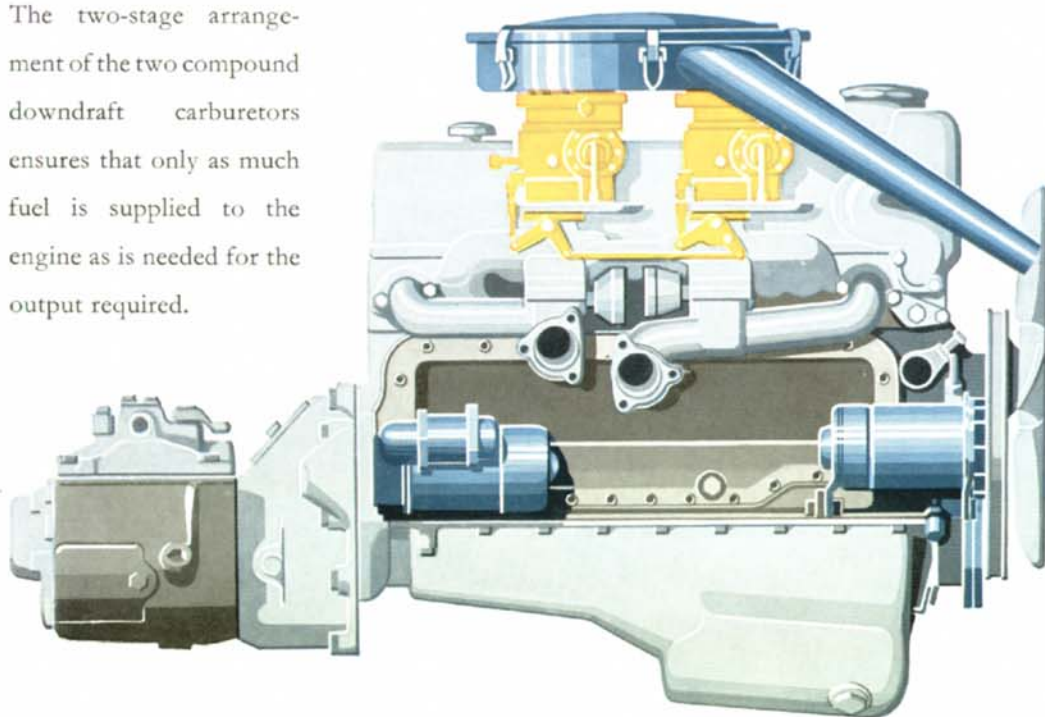


What a headache it often is to stow all your baggage when you set out on a long trip! But this is one more problem which you can forget when you travel in the 220 S, for you will find that there are loads of room in the large trunk. The spare wheel stands on the right side and, like the tools, it can easily be taken out without having to shift the baggage.



Insensitivity to severe strain, economy of operation, flexibility and power in every situation, these are the main characteristics of the six-cylinder engine. The reliability of a Mercedes-Benz needs as little comment as its long service life, both of which are well-nigh proverbial. The OHC 112 b. h. p. short-stroke engine of the 220 S has been designed for high continuous performances and it will take a good deal of punishment without complaining. Its power reserves allow you to drive smoothly and safely under all conditions. The superb performance of this engine coupled with its very low consumption is due to the use of 2 compound down-draft carburetors. A thermostatically-controlled cooling system contributes considerably to spare the engine. Whether you accelerate impetuously, drive at top speed or climb up steep pass roads, the engine will eagerly obey you and even at high revolutions its background hum will never rise above a subdued murmur.

The two-stage arrangement of the two compound down-draft carburetors ensures that only as much fuel is supplied to the engine as is needed for the output required.



#### Engine

Number of cylinders	6
Bore/stroke	$3\frac{5}{32}/2\frac{7}{8}$ in. = 80/72,8 mm
Total effective cylinder capacity	133.8 cu. in. = 2195 c. c.
Output*: SAE	112 gr. HP/5000 r. p. m.
Engine speed at 60 m. p. h.	3470 r. p. m.
Maximum engine speed	6000 r. p. m.
Compression ratio	7.6 : 1
Capacity of combined cooling and heating system	approx. 2.5 imp. gals. = 3 US gals. = 11.3 ltrs.
Oil capacity of the crankcase	max./min. 10.6/6.2 imp. pt. = 12.6/7.4 US pt. = 6/3.5 ltrs.
Type of oil cooling	water-oil heat exchanger

#### Driving data

Maximum speed	in 1st gear	30 m. p. h.	49 km/h
	in 2nd gear	47 m. p. h.	76 km/h
	in 3rd gear	74 m. p. h.	119 km/h
	in 4th gear	approx. 100 m. p. h.	160 km/h
Climbing ability	in 1st gear	52% 1 in 2.50	
	in 2nd gear	30% 1 in 3.45	
	in 3rd gear	18% 1 in 5.57	
	in 4th gear	10.5% 1 in 9.50	

#### Fuel and oil

Standard fuel consumption**	29.5 m/Imp. gal. = 24.5 m/US gal. = 9.6 ltrs./100 km
Tank capacity	14 imp. gals. = 16.9 US gals. = 64 ltrs.
including reserve of	1.2 imp. gals. = 1.45 US gals. = 5.5 ltrs.

#### Chassis

Transmission	DB four speed gear - fully synchronized steering column shift
Rear axle ratio	4.1 to 1
Battery	12 volt, 56 amp/h
Braking system	hydraulic with "Are" booster turbo-cooling, self-adjusting brake shoes
Steering	DB recirculating ball-type steering with automatic re-adjustment and steering shock absorber
Rear axle	single jointed swing axle with low pivot point, hypoid gears

#### Weights/Dimensions

Overall length	$185\frac{7}{8}$ in. = 4720 mm
Overall width	$68\frac{1}{2}$ in. = 1740 mm
Maximum height, unladen	approx. $61\frac{1}{2}$ in. = 1560 mm
Wheelbase	111 in. = 2820 mm
Front tread	$56\frac{5}{16}$ in. = 1430 mm
Rear tread	$57\frac{7}{8}$ in. = 1470 mm
Ground clearance with 2 occupants	approx. $8\frac{1}{2}$ in. = 215 mm
Turning circle diameter	approx. 36 ft. = 11 m
Curb weight with spare wheel and tools	2950 lbs. = 1340 kg
Permissible total weight	3950 lbs. = 1790 kg
Carrying capacity	1000 lbs. = 450 kg

\* In determining the output in b. h. p., the power to operate auxiliary units not required for engine operation is not taken into consideration.

\*\* Determined at  $\frac{2}{3}$  of top speed (max. 50 m. p. h.) less 10%.

*Right to make alterations in design and equipment reserved.*