

BB00.40-P-0121-01A	Fuel qualities for MB cars, cross-country vehicles, vans and Unimogs fitted with gasoline engines	<b>i</b> bf=unleaded. "NV" are vehicles with low-compression engines	Sheet 121.1
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In Germany the following fuels are available (we recommend using only fuels conforming to the applicable standards):

Unleaded gasoline:

- S unleaded = Premium fuel conforming to DIN EN 228
- N unleaded = Regular conforming to DIN EN 228
- SP unleaded = Super Premium conforming to DIN EN 228

Super Premium conforming to DIN EN 228 is also known as Euro Super.

The availability of individual fuel qualities as well as the standardization of fuels is regulated differently in the individual countries.

In the table which follows, "S" is also stated as a recommended gasoline for older vehicles. This refers to leaded premium fuel which is no longer available in Germany, but possibly still in other countries. In the case of such vehicles, the fuels which are listed in the column "may also be used", offer an alternative in Germany and in other countries in which no leaded premium fuel is available.

The summary which follows lists the recommended fuels, including those which may also be used, for our vehicles fitted with gasoline engines.

**i** All vehicles fitted with catalytic converters should be operated only with unleaded fuel.

In the case of vehicles which are not yet equipped for operating solely with unleaded fuel (harder valve seat rings), the valve clearance should be inspected at shorter intervals when operating the vehicle **exclusively** with unleaded fuels.

Details are available from any Mercedes-Benz workshop.

Vehicles not listed should be operated with the fuel stated in the Owner's Manual.

DaimlerChrysler AG issues this survey in compliance with the regulations of the directive relating to the indication of gasoline qualities.



**Subject:**  
**Vehicle**  
**Model**

The information applies also to the respective corresponding sedans with long wheelbase, station wagons (T-models), coupés and 4MATIC versions fitted with the same engine.



**Subject:**  
**Production breakpoint approx.**

The decisive date is the date of conversion to harder valve seat rings. Should the delivery date of your vehicle be within the range of the conversion period, please contact your Mercedes-Benz workshop.

## Cars

Vehicle model	Vehicle version	Production breakpoint approx.	Recommended fuel	may also be used
<b>i</b> "NV" are vehicles fitted with low-compression engines				<b>i</b> bf= unleaded fuel
190 (66 kW)	-	all	S	S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
190 (63 kW, NV)	-	all	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
190 (77 kW)	-	all	S/S unleaded	SP bf
190 (73 kW, NV)	-	all	N/N unleaded	S/S bf, SP bf
190	RÜF	as of 1st quarter 1986	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190	TWC	as of 1st quarter 1986	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E	-	up to 01/1984	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
190 E	-	as of 02/1984	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
190 E (NV)	RÜF	up to 07/1985	N/N unleaded	S/S bf, SP bf
190 E (NV)	TWC	up to 07/1985	N unleaded	S bf, SP bf
190 E 1.8			S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.0	RÜF	as of 08/1985	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)

190 E 2.0	TWC	as of 08/1985	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.3	RÜF	3rd quarter '86	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.3	TWC	3rd quarter '86	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.5-16	RÜF TWC		S/S unleaded S unleaded	N/N unleaded N unleaded
190 E 2.6	RÜF	as of 3rd quarter 1986	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.6	TWC	as of 3rd quarter 1986	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.3-16	-	up to 03/1985	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
190 E 2.3-16	-	as of 04/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
190 E 2.3-16	RÜF	as of 08/1985	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
190 E 2.3-16	TWC	as of 08/1985	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
200 (model 123, 69 kW)	-	up to 06/1980	S	S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
200 (model 123, 62 kW, NV)	-	up to 06/1980	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
200 (model 123, 80 kW)	-	up to 12/1984	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
200 (model 123, 80 kW)	-	as of 01/1985	S/S unleaded	SP bf
200 (model 123, 74 kW, NV)	-	up to 12/1984	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
200 (model 123, 74 kW, NV)	-	as of 01/1985	N/N unleaded	S/S bf, SP bf
200 (model 124)	-	all	S/S unleaded	SP bf
200 (model 124, NV)	-	all	N/N unleaded	S/S bf, SP bf
200 (model 124)	RÜF	as of 1st quarter 1985	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual).
200 (model 124)	TWC	as of 1st quarter 1985	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual).
200 E (model 124)	RÜF TWC		S/S unleaded S unleaded	N/N unleaded N unleaded
230 (model 123)	-	up to 06/1980	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 (model 123, NV)	-	up to 06/1980	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance

230 E (model 123)	-	up to 12/1983	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 E (model 123)	-	as of 01/1984	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 E (model 123, NV)	TWC	up to 03/1985	N unleaded	S bf, SP bf
230 E (model 124)	-	all	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 E (model 124)	RÜF	as of 04/1985	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual).
230 E (model 124)	TWC	as of 04/1985	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
250 (model 123)	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
260 E, SE	RÜF	as of start of production	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
260 E, SE	TWC	as of start of production	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
280	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 E	-	up to 03/1985	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 E	-	as of 04/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 S	-	up to 03/1985	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 S	-	as of 04/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 SE	-	up to 03/1985	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf". Have correction of ignition setting carried out in a Mercedes-Benz workshop
280 SE	-	as of 04/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 SL	-	up to 03/1985	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
280 SL	-	as of 04/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
300 E	-	up to 07/1985	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
300 E, SE, SL	RÜF	as of start of production	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
300 E, SE, SL	TWC	as of start of production	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)

300 E-24			S/S unleaded	N/N unleaded
300 E-24	TWC		S unleaded	N unleaded
300 SL (model 129)	RÜF		S/S unleaded	N/N unleaded
300 SL (model 129)	TWC		S unleaded	N unleaded
300 SL-24 (model 129)			S	N
300 SL-24 (model 129)	TWC		S unleaded	N unleaded
350 SE, SL	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
380 SE, SL	-	up to 08/1981	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
380 SE, SL	-	as of 09/1981	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
380 SE (NV)	TWC	up to 08/1985	N unleaded	S bf, SP bf
420 SE, SL	RÜF	as of start of production	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
420 SE, SL	TWC	as of start of production	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
450 SE, SL	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
450 SLC 5.0	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
500 SE	-	up to 08/1981	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
500 SE	-	as of 09/1981	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
500 SE	RÜF	all	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
500 SE	TWC	all	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
500 SL	-	up to 10/1981	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
500 SL	-	as of 11/1981	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
500 SL	-	as of 09/1985	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
500 SL (model 129)			S/S bf, SP bf	N/N unleaded
500 SL (model 129)	TWC		S bf, SP bf	N unleaded
500 SL (model 129, NV)			N/N unleaded	
560 SEL (220 kW)	-	as of start of production	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
560 SEL	RÜF	as of start of production	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)

560 SEL	TWC	as of start of production	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
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### Cross-country vehicles

Vehicle model	Vehicle version	Production breakpoint approx.	Recommended fuel	may also be used
<b>i</b> "NV" are vehicles fitted with low-compression engines				<b>i</b> bf= unleaded fuel
230 G (66 kW, NV)	-	all	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
230 G (77 kW)	-	all	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 GE	-	up to 01/1984	S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 GE	-	as of 02/1984	S	S bf, SP bf "S bf": have correction of ignition setting carried out in a Mercedes-Benz workshop
230 GE	RÜF	all	S/S unleaded	N/N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
230 GE	TWC	all	S unleaded	N unleaded, SP bf "N" or "N unleaded" may also be used provided the reference resistor for ignition is moved into position "N" or "4" (see Owner's Manual)
280 GE	-	up to 03/1985	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
280 GE	-	as of 04/1985	N	N unleaded, S/S bf, SP bf
300 GE			S/S bf, SP bf	

### Transporters

Vehicle model	Vehicle version	Production breakpoint approx.	Recommended fuel	may also be used
				<b>i</b> bf= unleaded fuel
210	-	up to 01/1984	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
210	-	as of 02/1984	N/N unleaded	S/S bf, SP bf
210	TWC	all	N unleaded	S bf, SP bf
310	-	up to 01/1984	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
310	-	as of 02/1984	N/N unleaded	S/S bf, SP bf
310	TWC	all	N unleaded	S bf, SP bf
410	-	up to 01/1984	N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
410	-	as of 02/1984	N/N unleaded	S/S bf, SP bf
410	TWC	all	N unleaded	S bf, SP bf
510	-	all	N/N unleaded	S/S bf, SP bf
510	TWC		N unleaded	S bf, SP bf

### Unimog

Vehicle model	Vehicle version	Production breakpoint approx.	Recommended fuel	may also be used
				<b>i</b> bf= unleaded fuel

404 (M 130)			N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
404 (M 180)			N	N unleaded, S/S bf , SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance
404 (M180.952) with 67kW/91HP			S	S bf, SP bf Refill with leaded fuel at least every 5th time or halve the intervals for inspecting valve clearance