

MODEL 463 with ENGINE 102, 103, 104, 112, 113, 117, 602, 603, 606, 612, 628
 MODEL 129, 163, 168, 170, 208, 210, 215, 220, 450, 452, 454
 MODEL 164.1## #A up to 193231,
 164.8## #A up to 192867,
 169.### #J up to 386539,
 171.### #F up to 149733,
 171.### #T up to 076110,
 203.### #R up to 251654,
 203.0## #A up to 938311,
 203.2## #F up to 885749,
 203.7## #A up to 944804,
 209.3## #F up to 216790,
 209.4## #T up to 078924,
 211.### #A,
 211.### #B up to 081229,
 211.### #X up to 220603,
 216.### #A up to 002777,
 219.### #A up to 097556,
 221.### #A up to 104926,
 230.### #F up to 129724,
 240.### #A up to 001836,
 245.### #J up to 169767,
 251.0## #A up to 046499,
 251.1## #A up to 046569
 variable maintenance intervals apply solely to all the models mentioned

Modification notes

4.12.07	Content completely revised		
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i **Variable** maintenance intervals only apply for the above-mentioned models. Information on the duration and possible extension of the maintenance intervals for the individual model series in combination with the released engine oils can be found in the reference documents of the following table. Please observe the notes on the extension of service intervals.

Model 203, 209, 220, 230 with ASSYST as of model refinement 2005

The increase is performed in the service menu of the instrument cluster using the steering wheel buttons. To do this select Oil 229.5 and confirm.

Alternatively and on vehicles with ASSYST maintenance system before model refinement

Increasing the maintenance intervals is possible using Star Diagnosis. If nothing is entered or if standard oil is confirmed, the maintenance interval drops back to the lowest starting distance (SLS). Further details on increasing the maintenance interval can be found in the maintenance manual.

Reduction in starting distance (SLS) in countries with poor fuel or particular operating conditions

For countries whose fuel does not correspond to the EU standard, it is necessary to reduce the starting distance (SLS) to 15,000 km or less to prevent damage to the engine (e.g. engine sludge).

The starting distance (SLS) reduction is stipulated for the following regions and countries:

Asia, Gulf regions, Commonwealth of Independent States, Romania, Bulgaria and recommended in all countries in which particular operating conditions prevail.

Vehicles with gasoline engines:

Oil selection in instrument cluster for increasing the maintenance intervals.

Vehicles with ASSYST PLUS and model 203, 209, 230 with ASSYST as of model year 2005.

Only the longest possible respective intervals are specified. National interval reductions are matched to the markets and are not taken into account in this SI.

For vehicles with **fixed** maintenance intervals, SI18.00-P-0011A is valid.

The reduction is programmed with STAR DIAGNOSIS in the "ASSYST" menu via the "national variant factor". Reduction may also be a good idea in the case of special usage conditions. The starting distance (SLS) reduction must be performed before new vehicles are delivered or where noticeable, during service.

i Definition of poor quality fuel:

- High levels of contamination and water
- Gasoline fuels with high levels of olefin
- Diesel fuels with high sulfur content > 0.0500 % by weight

i Definition of special usage conditions:

- Countries with high dust levels
- Hot countries
- Frequent off-road usage
- Vehicle predominantly operated over short distances

Vehicles with engine 647, 648:

To increase the starting distance (SLS) when selecting oil in the instrument cluster, always confirm oil 229.5.

The starting distance (SLS) cannot be selected without oil selection in the instrument cluster and is adjusted automatically. On engines with diesel particulate filter, only low-ash oil as per MBBV Sheet 229.31 or 229.51 may be used.



i On engines 112, 113, 137, 275 engine oil as per MBBV Sheet 229.31 and MBBV 229.51 may not be used.

The increase in maintenance intervals is only permitted when using engine oils as per MBBV sheet 229.5 and fleece oil filters. Only then is the longest maintenance interval to be confirmed. The confirmation is conducted in the service menu of the instrument cluster by means of the steering wheel buttons or, alternatively, using Star Diagnosis. To do this, select the oil 229.5 and confirm.

i If there is no confirmation of the oil selection the shortest maintenance interval is then automatically set.

i Please observe the temperature ranges and the viscosity classes of the engine oils (see Sheet 224.1 and Sheet 224.2).

The individual sheets of the Specifications for Operating Fluids can either be obtained from the Workshop Information System (WIS) or from the Standard Information System (SIS).
You can access these over DC Intranet on the "Resources" page.

	Selection of starting distance	Model 129	AP18.00-P-1840B
		Model 163	AP18.00-P-1840GH
		Model 164	AP18.00-P-1840GZ
		Model 168	AP18.00-P-1840A
		Model 169	AP18.00-P-1840AK
		Model 170	AP18.00-P-1840D
		Model 171	AP18.00-P-1840V
		Model 203	AP18.00-P-1840P
		Model 208	AP18.00-P-1840E
		Model 209	AP18.00-P-1840Q
		Model 210	AP18.00-P-1840C
		Model 211	AP18.00-P-1840T
		Model 215	AP18.00-P-1840I
		Model 216	AP18.00-P-1840SX
		Model 219	AP18.00-P-1840TX
		Model 220	AP18.00-P-1840F
		Model 221	AP18.00-P-1840SY
		Model 230	AP18.00-P-1840R
		Model 240	AP18.00-P-1840H
		Model 245	AP18.00-P-1840BK
		Model 251	AP18.00-P-1840RT
		Model 450	AP18.00-P-1840SM
		Model 452	AP18.00-P-1840RR
		Model 454	AP18.00-P-1840FF
		Model 463	AP18.00-P-1840GA
	Authorized engine oils (service)		BB00.40-P-0226A
	Service Information: Engine oil change	i For vehicles with fixed maintenance intervals.	SI18.00-P-0011A

Parts ordering notes

Part no.	Designation	Quantity
A 000 180 26 09	Fleece oil filter Container/size: i Since the end of May 2002, oils as per Sheet 229.5 can also be ordered through MB Replacement Parts.	1
A 000 989 78 01 10	Premium Synthetic Engine Oil, SAE 5W-30, 1 liter plastic bottle	As required
A 000 989 83 01 11	Premium Synthetic Engine Oil, SAE 5W-30, 60 liter barrel	As required
A 000 989 83 01 12	Premium Synthetic Engine Oil, SAE 5W-30, 205 liter barrel i A low SPAsh engine oil for diesel vehicles with particulate filter as per Operating Fluids Sheet 229.31 or 225.11 can also be ordered through the MB replacement parts system:	As required
A 000 989 89 01 10	Low SPAsh engine oil, SAE 5W-30, 1 liter plastic bottle	As required