KROFtools®
PROFESSIONAL TOOLS

OIL DIPSTICK MERCEDES SET 4 PIECES
REF 9750



Guide and Comparison list for oil level

to measure the oil levels for Mercedes vehicles delivered without oil dipsticks.
Mercedes gearbox code 716.5, 722.6, 722.7, 722 800
Mercedes engine code M112, 113, 271, 646, 647, 648
Mercedes engine code M137, 611, 612, 613

Includes:

Dipstick	Colour	Aggregate	Enginecode	Dimensions / Marking
A 1200mm	**red**	Automatic-transmission	Gearbox code 722.6	1156 mm lengthy max + min for 25° + 80°
B 920mm	**green**	Automatic-transmission	A-Class Gearbox code 716.5, 722.7 722.800 (B-Class)	856 mm lengthy Units 1 bis 12
C 930mm	**yellow**	Engine	M137, 111.945, 611, 612, 613	850 mm lengthy 50 bis 200 mm + 550 up 840 mm
D 930mm	**blue**	Engine	M112, 113, 646, 647, 648	850 mm lengthy 50 bis 200 mm + 550 bis 840 mm

Checking engine oil level

1. Operating engine oil warm and vehicle on a flat surface.
2. Stop the engine and wait a short time (about 3 minutes).
3. Pull the standard built-in plug out of the dip tube.
4. Push dipstick in the dipstick tube until the tip of the measuring rod on the Oil tank bottom encounters. It may be that the dipstick handle not encounters to the Measuring tube.
5. Pull out the dipstick from the tube and check the oil level on the dipstick.
6. Oil level can now checked and compared with the table or to the manufacturer's information and oil can be filled, if necessary.
7. The measuring tube is then sealed with the original plug, sometimes the safety pin must renew.

Important!
If the measuring tube can not be closed properly, can be damage the engine.

Compare list for oil dipsticks:

Oil level	Enginecode			
	M112.910/911/914/915/ 920/922/923/940/942/9 43/944/947/970/972/97 5	**M112.912/913/94 6/948/949/955/96 1/973**	**M112.916/953 Typ 203 4-Matic**	**M112.917/954 Typ211 oder M112.975 Typ220 4-Matic**
max.	124 mm	171 mm	124 mm	125 mm
min.	98 mm	151	104 mm	96 mm
	M112.921/941 Typ 210 4-Matic	**M112.960 Typ 170**	**M112.961 Typ 203**	**M113.940 Typ 210 4-Matic**
max.	115 mm	125 mm	172 mm	109 mm
min.	89 mm	99 mm	152 mm	87 mm
	M113.940 ohne 4-Matic M113.943/944/961	**M113.941/960**	**M113.963/967/968**	**M113.964/971**
max.	112 mm	116 mm	149 mm	127 mm
min.	91 mm	95 mm	132 mm	101 mm
	M113.965	**M113.969 im Typ 211 und M113.948/966 4-Matic**	**M113.981 Typ 163**	**M113.986 Typ 215, 220**
max.	112 mm	120 mm	108 mm	112 mm
min.	95 mm	98 mm	97 mm	93 mm
	M113.987 Typ209 M113.988 Typ 203	**M113.989 Typ 171**	**M113.990/992**	**M113.991 Typ 215, 220**
max.	164 mm	148 mm	168 mm	110 mm
min.	133 mm	128 mm	137 mm	95 mm
	M137.970	**M271 Typ 171, 203, 209 and 211**	**M611.962 up MC UT 448 572 Typ203.004/006/204/20 6/ 706**	**M611.962 from MC UT 448 573 Typ203.004/006/ 204/206/ 706**
max.	116 mm	119 mm	138 mm	128 mm
min.	105 mm	98 mm	110 mm	100 mm
	M612.961	**M612.962 Typ 203.016/216**	**M612.962 Typ203.016/216**	**M612.990 Typ 203**
max.	133 mm	125 mm	135 mm	137 mm
min.	110 mm	100 mm	110 mm	110 mm
	M628 Typ 220	**M628 Typ 211**	**M646 Typ 203 und 211**	**M646 Typ 211 without Lanchester**
max.	128 mm	124 mm	163 mm	143 mm
min.	107 mm	104 mm	139 mm	118 mm
	M647 Typ 211	**M648 Typ 211**	**M648 Typ 220**	
max.	139 mm	134 mm	145 mm	
min.	116 mm	114 mm	123 mm	

Example on Enginecode M113.990/992

Oil level on Dipstick in mm	Oil volume in liters	Oil level on Dipstick in mm	Oil volume in liters
107	4,00	149	7,12
108	4,09	150	7,18
109	4,18	151	7,24
110	4,27	152	7,29
111	4,36	153	7,35
112	4,45	154	7,41
113	4,55	155	7,47
114	4,64	156	7,53
115	4,73	157	7,59
116	4,82	158	7,65
117	4,91	159	7,71
118	5,00	160	7,76
119	5,07	161	7,82
120	5,13	162	7,88
121	5,20	163	7,94
122	5,27	164	8,00
123	5,33	165	8,07
124	5,40	166	8,13
125	5,47	167	8,20
126	5,53	168	8,27
127	5,60	169	8,33
128	5,67	170	8,40
129	5,73	171	8,47
130	5,80	172	8,53
131	5,87	173	8,60
132	5,93	174	8,67
133	6,00	175	8,73
134	6,07	176	8,80
135	6,14	177	8,87
136	6,21	178	8,93
137	6,29	179	9,00
138	6,36	180	9,08
139	6,43	181	9,17
140	6,50	182	9,25
141	6,57	183	9,33
142	6,64	184	9,42
143	6,71	185	9,50
144	6,79	186	9,58
145	6,86	187	9,67
146	6,93	188	9,75
147	7,00	189	9,83
148	7,06	190	9,92

Example on M137.970 total capacity: 9.0 l with filter					
Oil level	**Oil level on Dipstick in mm**	**Oil volume in liters**	**Oil level**	**Oil level on dipstick in mm**	**Oil volume in liters**
Low	104	+1,1	**OK**	114	0,0
	105	+1,0		115	0,0
	106	+0,9		116	0,0
	107	+0,8	**high**	117	-0,3
	108	+0,7		118	-0,4
	109	+0,6		119	-0,5
	110	+0,5		120	-0,6
	111	+0,4		121	-0,8
	112	+0,3		122	-1,0
	113	+0,2			

Enginecode	**Oil volume in liters incl. filter**	**Enginecode**	**Oil volume in liters incl. filter**
M104	7,00	M611.962	6,50
M111.92/94/952/956/957/ 958/96/97/982/983	5,50	M612.961	7,00
M111.951/955/ 981	7,00	M612.962/967	6,50
M112.916/953	7,50	M612.963/966	7,50
M112.975 M113.948/966	8,00	M612.965	7,00
M113.940/941/942/943/960/ 961/962/967/969/982/989	8,0	M612.990	6,50
M113.944/980/981/984/986/991	7,50	M613.960	8,50
M113.963/965/968	7,50	M613.961	7,50
M113.987/988/990/992/993/964/971	8,50	M628.960/963	10,00
M119	8,00	M628.961	8,50
M120	10,00	M628.962	9,50
M137.970	9,00	M646.951	6,50
M603.913/96/970	7,50	M646.961	6,50
M603.971	8,00	M646.962/963	6,50
M604	6,50	M646.982/983	8,50
M605	6,50	M647.961	6,50
M606.91/96	7,50	M648.960	8,50
M611.960/961	6,00	M648.961	6,50

Check oil level on automatic transmission
Mercedes A-Class

1. Oil in the automatic transmission to operating temperature, vehicle on a flat level surface.
2. Run the engine and wait a short time (about 2 minutes).
3. Pull cover caps of the oil tube.
4. Slide dipstick for transmission oil in the dipstick tube.
5. Pull out the dipstick from tube and check the oil level.
6. Oil level can now checked and compared with the table or manufacturer's information and oil can be filled, if necessary.
7. The measuring tube must be sealed with the original plug, sometimes the safety pin must renew.

Important!
If the measuring tube can not be closed properly, can be damage the transmission

Transmission oil capacity: 716.5 :Capacity=1,8l
722.7xx :Refilling=6,3l Change oil=3,3l

Transmission code	**722.600/601/604/605/606/607/608/609/611/614/616/617/618/629/633/634/639/660/661/662/664/665/695/696/699**	**722.602/603**	**722.610/638**	**722.620/621 Typ 129**
Refilling	7,5 (+ 0,5)	7,0+0,5	8,0	8,2 (+0,5)
Change oil	-	-	-	-
	722.620/621 Typ 140 und 722.622/623/624/625/626/627/628/630/631/632/633/636/663/666/669	**722.637 Typ 461.302/331/332/342/345**	**722.637 Typ 463.322/323**	**722.640/644**
Refilling	8,6 + 0,5	7,9	7,9	7,5
Change oil	-	-	-	-
Transmission code	**722.642**	**722.643**	**722.649**	**722.667/668/672**
Refilling	7,3	8,7	7,5	9,0
Change oil	-	-	-	-

Dipstick-Units:
at about 30°C transmission oil temperature: measuring mark 2 = min.
measuring mark 4 = max.

at 70° up to 80°C transmission oil temperature: measurement mark 8 = min.
measurement mark 12 = max.