013 AR18.00-P-0025-01A	Matching oil consumption to dipstick indication		

$$\text{Oil consumption} = \frac{\text{Oil quantity consumed in cm}^3}{\text{Measured distance in km}} = \frac{\qquad}{\qquad} = \text{liters / 1000 km}$$

i

Example:
Engine oil is topped up before the oil consumption test run to "max." = 125 mm (value "0" see table engine 602.982 with dipstick 60502).
After test run (measured distance 350 km) the indication on the dipstick is 122 mm → results in a difference in quantity of 200 cm³.

$$\text{Oil consumption} = \frac{200\ \text{cm}^3}{350\ \text{km}} = 0.57\ \text{liters / 1000 km}$$

Oil consumption measurement

Number	Designation			Engine 602.982 with dipstick 60214	Engine 602.982 with dipstick 60502
BF18.00-P-1001-02F	Dipstick indication from 121 mm to 135 mm	135 mm	Oil quantity in cm³	–	–
		134 mm	Oil quantity in cm³	–	–
		133 mm	Oil quantity in cm³	–	–
		132 mm	Oil quantity in cm³	–	–
		131 mm	Oil quantity in cm³	–	–
		130 mm	Oil quantity in cm³	–	–
		129 mm	Oil quantity in cm³	–	–
		128 mm	Oil quantity in cm³	–	–
		127 mm	Oil quantity in cm³	–	–
		126 mm	Oil quantity in cm³	–	–
		125 mm	Oil quantity in cm³	–	–
		124 mm	Oil quantity in cm³	–	100
		123 mm	Oil quantity in cm³	–	200
		122 mm	Oil quantity in cm³	–	300
		121 mm	Oil quantity in cm³	–	400

Oil consumption measurement

Number	Designation			Engine 602.982 with dipstick 60214	Engine 602.982 with dipstick 60502
BF18.00-P-1002-02F	Dipstick indication from 106 mm to 120 mm	120 mm	Oil quantity in cm³	–	500
		119 mm	Oil quantity in cm³	–	600
		118 mm	Oil quantity in cm³	–	700
		117 mm	Oil quantity in cm³	≤0	780
		116 mm	Oil quantity in cm³	71	850
		115 mm	Oil quantity in cm³	140	920
		114 mm	Oil quantity in cm³	210	1000
		113 mm	Oil quantity in cm³	290	1070
		112 mm	Oil quantity in cm³	360	1140
		111 mm	Oil quantity in cm³	430	1210
		110 mm	Oil quantity in cm³	500	1290
		109 mm	Oil quantity in cm³	560	1340
		108 mm	Oil quantity in cm³	610	1400
		107 mm	Oil quantity in cm³	670	1450
		106 mm	Oil quantity in cm³	720	1500

Oil consumption measurement

Number	Designation			Engine 602.982 with dipstick 60214	Engine 602.982 with dipstick 60502
BF18.00-P-1003-02F	Dipstick indication from 91 mm to 105 mm	105 mm	Oil quantity in cm^3	780	1560
		104 mm	Oil quantity in cm^3	830	1620
		103 mm	Oil quantity in cm^3	890	1680
		102 mm	Oil quantity in cm^3	950	1730
		101 mm	Oil quantity in cm^3	1000	1780
		100 mm	Oil quantity in cm^3	1060	1850
		99 mm	Oil quantity in cm^3	1120	1910
		98 mm	Oil quantity in cm^3	1180	1970
		97 mm	Oil quantity in cm^3	1250	2040
		96 mm	Oil quantity in cm^3	1310	2100
		95 mm	Oil quantity in cm^3	1370	2160
		94 mm	Oil quantity in cm^3	1440	2220
		93 mm	Oil quantity in cm^3	1500	2290
		92 mm	Oil quantity in cm^3	1550	2340
		91 mm	Oil quantity in cm^3	1600	2390

Oil consumption measurement

Number	Designation			Engine 602.982 with dipstick 60214	Engine 602.982 with dipstick 60502
BF18.00-P-1004-02F	Dipstick indication from 76 mm to 90 mm	90 mm	Oil quantity in cm³	1650	2440
		89 mm	Oil quantity in cm³	1700	2490
		88 mm	Oil quantity in cm³	1750	2540
		87 mm	Oil quantity in cm³	1800	2590
		86 mm	Oil quantity in cm³	1850	2640
		85 mm	Oil quantity in cm³	1900	2690
		84 mm	Oil quantity in cm³	1950	2740
		83 mm	Oil quantity in cm³	2000	2790
		82 mm	Oil quantity in cm³	2050	2840
		81 mm	Oil quantity in cm³	–	–
		80 mm	Oil quantity in cm³	–	–
		79 mm	Oil quantity in cm³	–	–
		78 mm	Oil quantity in cm³	–	–
		77 mm	Oil quantity in cm³	–	–
		76 mm	Oil quantity in cm³	–	–

D14 AR18.00-P-0025-01B	Matching oil consumption to dipstick indication		

$$\text{Oil consumption} = \frac{\text{Oil quantity consumed in cm}^3}{\text{Measured distance in km}} = \frac{\qquad}{\qquad} = \text{liters / 1000 km}$$

i

Example:
Engine is topped up before oil consumption test run to "max." = 148 mm (value "0" see table).
After test run (measured distance 350 km) the indication on the dipstick is 146 mm → results in a difference in quantity of 200 cm³.

$$\text{Oil consumption} = \frac{200\ \text{cm}^3}{350\ \text{km}} = 0.57\ \text{liters / 1000 km}$$

Oil consumption measurement

Number	Designation			Engine 604.910 as of end no. 10021056 and 12 004361 /912/ 915/917
BF18.00-P-1001-02C	Dipstick indication from 136 mm to 150 mm	150 mm	Oil quantity in cm^3	–
		149 mm	Oil quantity in cm^3	–
		148 mm	Oil quantity in cm^3	≤0
		147 mm	Oil quantity in cm^3	100
		146 mm	Oil quantity in cm^3	200
		145 mm	Oil quantity in cm^3	300
		144 mm	Oil quantity in cm^3	370
		143 mm	Oil quantity in cm^3	440
		142 mm	Oil quantity in cm^3	510
		141 mm	Oil quantity in cm^3	580
		140 mm	Oil quantity in cm^3	650
		139 mm	Oil quantity in cm^3	720
		138 mm	Oil quantity in cm^3	800
		137 mm	Oil quantity in cm^3	880
		136 mm	Oil quantity in cm^3	950

Oil consumption measurement

Number	Designation			Engine 604.910 as of end no. 10021056 and 12 004361 /912/ 915/917
BF18.00-P-1002-02C	Dipstick indication from 121 mm to 135 mm	135 mm	Oil quantity in cm³	1025
		134 mm	Oil quantity in cm³	1100
		133 mm	Oil quantity in cm³	1180
		132 mm	Oil quantity in cm³	1250
		131 mm	Oil quantity in cm³	1320
		130 mm	Oil quantity in cm³	1400
		129 mm	Oil quantity in cm³	1480
		128 mm	Oil quantity in cm³	1550
		127 mm	Oil quantity in cm³	1630
		126 mm	Oil quantity in cm³	1700
		125 mm	Oil quantity in cm³	1780
		124 mm	Oil quantity in cm³	1850
		123 mm	Oil quantity in cm³	1930
		122 mm	Oil quantity in cm³	2000
		121 mm	Oil quantity in cm³	2070

Oil consumption measurement

Number	Designation			Engine 604.910 as of end no. 10021056 and 12 004361 /912/ 915/917
BF18.00-P-1003-02C	Dipstick indication from 106 mm to 120 mm	120 mm	Oil quantity in cm^3	2150
		119 mm	Oil quantity in cm^3	2220
		118 mm	Oil quantity in cm^3	2300
		117 mm	Oil quantity in cm^3	2400
		116 mm	Oil quantity in cm^3	2460
		115 mm	Oil quantity in cm^3	2520
		114 mm	Oil quantity in cm^3	2590
		113 mm	Oil quantity in cm^3	2650
		112 mm	Oil quantity in cm^3	2710
		111 mm	Oil quantity in cm^3	2770
		110 mm	Oil quantity in cm^3	2840
		109 mm	Oil quantity in cm^3	2900
		108 mm	Oil quantity in cm^3	–
		107 mm	Oil quantity in cm^3	–
		106 mm	Oil quantity in cm^3	–

H14 AR18.00-P-0025-01C	Matching oil consumption to dipstick indication		

$$\text{Oil consumption} = \frac{\text{Oil quantity consumed in cm}^3}{\text{Measured distance in km}} = \frac{\qquad}{\qquad} = \text{liters / 1000 km}$$

i

Example:
Engine oil is topped up before the oil consumption test run to "max." = 131 mm (value "0" see table engine 605.910).
After test run (measured distance 350 km) the indication on the dipstick is 129 mm → results in a difference in quantity of 200 cm³.

$$\text{Oil consumption} = \frac{200\ \text{cm}^3}{350\ \text{km}} = 0.57\ \text{liters / 1000 km}$$

Oil consumption measurement

Number	Designation			Engine 605.910 to end no. 10 14796 and 12 006578	Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960 with dipstick 60214
BF18.00-P-1001-02D	Dipstick indication	134 mm	Oil quantity in cm^3	–	–
		133 mm	Oil quantity in cm^3	–	–
		132 mm	Oil quantity in cm^3	–	–
		131 mm	Oil quantity in cm^3	≤0	–
		130 mm	Oil quantity in cm^3	100	–
		129 mm	Oil quantity in cm^3	200	–
		128 mm	Oil quantity in cm^3	300	–
		127 mm	Oil quantity in cm^3	400	–
		126 mm	Oil quantity in cm^3	500	–
		125 mm	Oil quantity in cm^3	600	–
		124 mm	Oil quantity in cm^3	680	–
		123 mm	Oil quantity in cm^3	760	–
		122 mm	Oil quantity in cm^3	850	–
		121 mm	Oil quantity in cm^3	930	–

Oil consumption measurement

Number	Designation			Engine 605.910 to end no. 10 14796 and 12 006578	Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960 with dipstick 60214
BF18.00-P-1002-02D	Dipstick indication	120 mm	Oil quantity in cm³	1020	≤0
		119 mm	Oil quantity in cm³	1100	100
		118 mm	Oil quantity in cm³	1160	200
		117 mm	Oil quantity in cm³	1250	280
		116 mm	Oil quantity in cm³	1350	380
		115 mm	Oil quantity in cm³	1450	450
		114 mm	Oil quantity in cm³	1525	520
		113 mm	Oil quantity in cm³	1600	580
		112 mm	Oil quantity in cm³	1675	650
		111 mm	Oil quantity in cm³	1775	720
		110 mm	Oil quantity in cm³	1850	800
		109 mm	Oil quantity in cm³	1910	870
		108 mm	Oil quantity in cm³	1970	950
		107 mm	Oil quantity in cm³	2030	1020
		106 mm	Oil quantity in cm³	2100	1080

Oil consumption measurement

Number	Designation			Engine 605.910 to end no. 10 14796 and 12 006578	Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960 with dipstick 60214
BF18.00-P-1003-02D	Dipstick indication	105 mm	Oil quantity in cm³	2140	1150
		104 mm	Oil quantity in cm³	2180	1220
		103 mm	Oil quantity in cm³	2220	1300
		102 mm	Oil quantity in cm³	2260	1360
		101 mm	Oil quantity in cm³	2300	1450
		100 mm	Oil quantity in cm³	2350	1510
		99 mm	Oil quantity in cm³	–	1570
		98 mm	Oil quantity in cm³	–	1640
		97 mm	Oil quantity in cm³	–	1700
		96 mm	Oil quantity in cm³	–	1740
		95 mm	Oil quantity in cm³	–	1770
		94 mm	Oil quantity in cm³	–	1810
		93 mm	Oil quantity in cm³	–	1850
		92 mm	Oil quantity in cm³	–	1880
		91 mm	Oil quantity in cm³	–	1910

Oil consumption measurement

Number	Designation			Engine 605.910 to end no. 10 14796 and 12 006578	Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960 with dipstick 60214
BF18.00-P-1004-02D	Dipstick indication	90 mm	Oil quantity in cm³	–	1950
		89 mm	Oil quantity in cm³	–	1990
		88 mm	Oil quantity in cm³	–	2030
		87 mm	Oil quantity in cm³	–	2080
		86 mm	Oil quantity in cm³	–	2110
		85 mm	Oil quantity in cm³	–	2160
		84 mm	Oil quantity in cm³	–	2200
		83 mm	Oil quantity in cm³	–	2240
		82 mm	Oil quantity in cm³	–	2280
		81 mm	Oil quantity in cm³	–	2320
		80 mm	Oil quantity in cm³	–	2360
		79 mm	Oil quantity in cm³	–	2400
		78 mm	Oil quantity in cm³	–	2450
		77 mm	Oil quantity in cm³	–	–
		76 mm	Oil quantity in cm³	–	–

Oil consumption measurement

Number	Designation			Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960/962 with dipstick 60502	Engine 605.911 to end no. 10 028586 and 12 010704 with oil-water heat exchanger in oil pan
BF18.00-P-1001-02D	Dipstick indication	134 mm	Oil quantity in cm³	–	–
		133 mm	Oil quantity in cm³	–	–
		132 mm	Oil quantity in cm³	–	–
		131 mm	Oil quantity in cm³	–	–
		130 mm	Oil quantity in cm³	–	–
		129 mm	Oil quantity in cm³	–	–
		128 mm	Oil quantity in cm³	–	–
		127 mm	Oil quantity in cm³	≤0	–
		126 mm	Oil quantity in cm³	100	0
		125 mm	Oil quantity in cm³	200	80
		124 mm	Oil quantity in cm³	300	170
		123 mm	Oil quantity in cm³	400	250
		122 mm	Oil quantity in cm³	500	330
		121 mm	Oil quantity in cm³	600	410

Oil consumption measurement

Number	Designation			Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960/962 with dipstick 60502	Engine 605.911 to end no. 10 028586 and 12 010704 with oil-water heat exchanger in oil pan
BF18.00-P-1002-02D	Dipstick indication	120 mm	Oil quantity in cm³	700	500
		119 mm	Oil quantity in cm³	800	580
		118 mm	Oil quantity in cm³	900	670
		117 mm	Oil quantity in cm³	970	730
		116 mm	Oil quantity in cm³	1030	790
		115 mm	Oil quantity in cm³	1100	850
		114 mm	Oil quantity in cm³	1150	920
		113 mm	Oil quantity in cm³	1220	1000
		112 mm	Oil quantity in cm³	1280	1080
		111 mm	Oil quantity in cm³	1340	1170
		110 mm	Oil quantity in cm³	1400	1290
		109 mm	Oil quantity in cm³	1470	1420
		108 mm	Oil quantity in cm³	1530	1500
		107 mm	Oil quantity in cm³	1600	1580
		106 mm	Oil quantity in cm³	1650	1660

Oil consumption measurement

Number	Designation			Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960/962 with dipstick 60502	Engine 605.911 to end no. 10 028586 and 12 010704 with oil-water heat exchanger in oil pan
BF18.00-P-1003-02D	Dipstick indication	105 mm	Oil quantity in cm³	1700	1750
		104 mm	Oil quantity in cm³	1770	1830
		103 mm	Oil quantity in cm³	1830	1920
		102 mm	Oil quantity in cm³	1900	2000
		101 mm	Oil quantity in cm³	1950	2080
		100 mm	Oil quantity in cm³	2010	2160
		99 mm	Oil quantity in cm³	2070	2220
		98 mm	Oil quantity in cm³	2140	2270
		97 mm	Oil quantity in cm³	2200	2320
		96 mm	Oil quantity in cm³	2240	2370
		95 mm	Oil quantity in cm³	2270	2420
		94 mm	Oil quantity in cm³	2310	2520
		93 mm	Oil quantity in cm³	2350	2570
		92 mm	Oil quantity in cm³	2380	–
		91 mm	Oil quantity in cm³	2420	–

Oil consumption measurement

Number	Designation			Engine 605.910 as of end no. 10 14797 and 12 006579 /912/960/962 with dipstick 60502	Engine 605.911 to end no. 10 028586 and 12 010704 with oil-water heat exchanger in oil pan
BF18.00-P-1004-02D	Dipstick indication	90 mm	Oil quantity in cm^3	–	–
		89 mm	Oil quantity in cm^3	–	–
		88 mm	Oil quantity in cm^3	–	–
		87 mm	Oil quantity in cm^3	–	–
		86 mm	Oil quantity in cm^3	–	–
		85 mm	Oil quantity in cm^3	–	–
		84 mm	Oil quantity in cm^3	–	–
		83 mm	Oil quantity in cm^3	–	–
		82 mm	Oil quantity in cm^3	–	–
		81 mm	Oil quantity in cm^3	–	–
		80 mm	Oil quantity in cm^3	–	–
		79 mm	Oil quantity in cm^3	–	–
		78 mm	Oil quantity in cm^3	–	–
		77 mm	Oil quantity in cm^3	–	–
		76 mm	Oil quantity in cm^3	–	–

Oil consumption measurement

Number	Designation			Engine 605.911 as of end no. 10 028587 and 12 010705 without oil-water heat exchanger in oil pan
BF18.00-P-1001-02D	Dipstick indication from 121 mm to 134 mm	134 mm	Oil quantity in cm³	–
		133 mm	Oil quantity in cm³	–
		132 mm	Oil quantity in cm³	–
		131 mm	Oil quantity in cm³	–
		130 mm	Oil quantity in cm³	–
		129 mm	Oil quantity in cm³	–
		128 mm	Oil quantity in cm³	–
		127 mm	Oil quantity in cm³	–
		126 mm	Oil quantity in cm³	–
		125 mm	Oil quantity in cm³	–
		124 mm	Oil quantity in cm³	–
		123 mm	Oil quantity in cm³	–
		122 mm	Oil quantity in cm³	–
		121 mm	Oil quantity in cm³	–

Oil consumption measurement

Number	Designation			Engine 605.911 as of end no. 10 028587 and 12 010705 without oil-water heat exchanger in oil pan
BF18.00-P-1002-02D	Dipstick indication from 106 mm to 120 mm	120 mm	Oil quantity in cm^3	–
		119 mm	Oil quantity in cm^3	–
		118 mm	Oil quantity in cm^3	0
		117 mm	Oil quantity in cm^3	80
		116 mm	Oil quantity in cm^3	170
		115 mm	Oil quantity in cm^3	250
		114 mm	Oil quantity in cm^3	330
		113 mm	Oil quantity in cm^3	420
		112 mm	Oil quantity in cm^3	500
		111 mm	Oil quantity in cm^3	580
		110 mm	Oil quantity in cm^3	660
		109 mm	Oil quantity in cm^3	750
		108 mm	Oil quantity in cm^3	830
		107 mm	Oil quantity in cm^3	900
		106 mm	Oil quantity in cm^3	960

Oil consumption measurement

Number	Designation			Engine 605.911 as of end no. 10 028587 and 12 010705 without oil-water heat exchanger in oil pan
BF18.00-P-1003-02D	Dipstick indication from 91 mm to 105 mm	105 mm	Oil quantity in cm^3	1020
		104 mm	Oil quantity in cm^3	1080
		103 mm	Oil quantity in cm^3	1150
		102 mm	Oil quantity in cm^3	1210
		101 mm	Oil quantity in cm^3	1270
		100 mm	Oil quantity in cm^3	1330
		99 mm	Oil quantity in cm^3	1400
		98 mm	Oil quantity in cm^3	1480
		97 mm	Oil quantity in cm^3	1550
		96 mm	Oil quantity in cm^3	1620
		95 mm	Oil quantity in cm^3	1690
		94 mm	Oil quantity in cm^3	1760
		93 mm	Oil quantity in cm^3	1830
		92 mm	Oil quantity in cm^3	1900
		91 mm	Oil quantity in cm^3	1970

Oil consumption measurement

Number	Designation			Engine 605.911 as of end no. 10 028587 and 12 010705 without oil-water heat exchanger in oil pan
BF18.00-P-1004-02D	Dipstick indication from 76 mm to 90 mm	90 mm	Oil quantity in cm³	2040
		89 mm	Oil quantity in cm³	2120
		88 mm	Oil quantity in cm³	2190
		87 mm	Oil quantity in cm³	2260
		86 mm	Oil quantity in cm³	2330
		85 mm	Oil quantity in cm³	–
		84 mm	Oil quantity in cm³	–
		83 mm	Oil quantity in cm³	–
		82 mm	Oil quantity in cm³	–
		81 mm	Oil quantity in cm³	–
		80 mm	Oil quantity in cm³	–
		79 mm	Oil quantity in cm³	–
		78 mm	Oil quantity in cm³	–
		77 mm	Oil quantity in cm³	–
		76 mm	Oil quantity in cm³	–

F15 AR18.00-P-0025-01D	Matching oil consumption to dipstick indication		

$$\text{Oil consumption} = \frac{\text{Oil quantity consumed in cm}^3}{\text{Measured distance in km}} = \frac{\qquad}{\qquad} = \text{liters / 1000 km}$$

i

Example:
Engine oil is topped up before the oil consumption test run to "max." = 152 mm (valve "0" see table engine 606.961).
After test run (measured distance 350 km) the indication on the dipstick is 150 mm → results in a difference in quantity of 270 cm³.

$$\text{Oil consumption} = \frac{270\ \text{cm}^3}{350\ \text{km}} = 0.77\ \text{liters / 1000 km}$$

Oil consumption measurement

Number	Designation			Engine 606.961	Engine 606.962
BF18.00-P-1001-02E	Dipstick indication from 151 mm to 165 mm	165 mm	Oil quantity in cm^3	–	–
		164 mm	Oil quantity in cm^3	–	–
		163 mm	Oil quantity in cm^3	–	–
		162 mm	Oil quantity in cm^3	–	–
		161 mm	Oil quantity in cm^3	–	–
		160 mm	Oil quantity in cm^3	–	–
		159 mm	Oil quantity in cm^3	–	–
		158 mm	Oil quantity in cm^3	–	–
		157 mm	Oil quantity in cm^3	–	–
		156 mm	Oil quantity in cm^3	–	–
		155 mm	Oil quantity in cm^3	–	–
		154 mm	Oil quantity in cm^3	–	–
		153 mm	Oil quantity in cm^3	–	–
		152 mm	Oil quantity in cm^3	≤0	–
		151 mm	Oil quantity in cm^3	130	–

Oil consumption measurement

Number	Designation			Engine 606.961	Engine 606.962
BF18.00-P-1002-02E	Dipstick indication from 136 mm to 150 mm	150 mm	Oil quantity in cm³	270	–
		149 mm	Oil quantity in cm³	400	–
		148 mm	Oil quantity in cm³	525	–
		147 mm	Oil quantity in cm³	660	–
		146 mm	Oil quantity in cm³	800	–
		145 mm	Oil quantity in cm³	950	–
		144 mm	Oil quantity in cm³	1070	–
		143 mm	Oil quantity in cm³	1200	–
		142 mm	Oil quantity in cm³	1350	–
		141 mm	Oil quantity in cm³	1430	–
		140 mm	Oil quantity in cm³	1520	–
		139 mm	Oil quantity in cm³	1600	–
		138 mm	Oil quantity in cm³	1680	–
		137 mm	Oil quantity in cm³	1770	–
		136 mm	Oil quantity in cm³	1850	–

Oil consumption measurement

Number	Designation			Engine 606.961	Engine 606.962
BF18.00-P-1003-02E	Dipstick indication from 121 mm to 135 mm	135 mm	Oil quantity in cm^3	1930	–
		134 mm	Oil quantity in cm^3	2020	–
		133 mm	Oil quantity in cm^3	2100	–
		132 mm	Oil quantity in cm^3	2180	–
		131 mm	Oil quantity in cm^3	2270	–
		130 mm	Oil quantity in cm^3	2320	–
		129 mm	Oil quantity in cm^3	2370	–
		128 mm	Oil quantity in cm^3	2420	–
		127 mm	Oil quantity in cm^3	2470	–
		126 mm	Oil quantity in cm^3	2520	–
		125 mm	Oil quantity in cm^3	2570	–
		124 mm	Oil quantity in cm^3	2620	–
		123 mm	Oil quantity in cm^3	2670	–
		122 mm	Oil quantity in cm^3	2720	–
		121 mm	Oil quantity in cm^3	2770	–

Oil consumption measurement

Number	Designation			Engine 606.961	Engine 606.962
BF18.00-P-1004-02E	Dipstick indication from 106 mm to 120 mm	120 mm	Oil quantity in cm^3	2850	≤0
		119 mm	Oil quantity in cm^3	–	100
		118 mm	Oil quantity in cm^3	–	200
		117 mm	Oil quantity in cm^3	–	300
		116 mm	Oil quantity in cm^3	–	400
		115 mm	Oil quantity in cm^3	–	500
		114 mm	Oil quantity in cm^3	–	600
		113 mm	Oil quantity in cm^3	–	700
		112 mm	Oil quantity in cm^3	–	800
		111 mm	Oil quantity in cm^3	–	900
		110 mm	Oil quantity in cm^3	–	1000
		109 mm	Oil quantity in cm^3	–	1100
		108 mm	Oil quantity in cm^3	–	1200
		107 mm	Oil quantity in cm^3	–	1300
		106 mm	Oil quantity in cm^3	–	1400

Oil consumption measurement

Number	Designation			Engine 606.961	Engine 606.962
BF18.00-P-1005-02E	Dipstick indication from 91 mm to 105 mm	105 mm	Oil quantity in cm³	–	1480
		104 mm	Oil quantity in cm³	–	1560
		103 mm	Oil quantity in cm³	–	1620
		102 mm	Oil quantity in cm³	–	1700
		101 mm	Oil quantity in cm³	–	1750
		100 mm	Oil quantity in cm³	–	1820
		99 mm	Oil quantity in cm³	–	1920
		98 mm	Oil quantity in cm³	–	2000
		97 mm	Oil quantity in cm³	–	2080
		96 mm	Oil quantity in cm³	–	2140
		95 mm	Oil quantity in cm³	–	2220
		94 mm	Oil quantity in cm³	–	2300
		93 mm	Oil quantity in cm³	–	2380
		92 mm	Oil quantity in cm³	–	2470
		91 mm	Oil quantity in cm³	–	2550

M15 AR18.10-P-2140-01HA	Separating oil pump chain	602 589 02 33 00 Chain separating tool 602 589 05 63 01 Thrust pins 602 589 00 98 00 Case 602 589 05 63 00 Pressing screw	

Modification notes

6.5.96	Special tool modified and added Procedure modified	Operations 1–6	AR18.10-2140-01HA

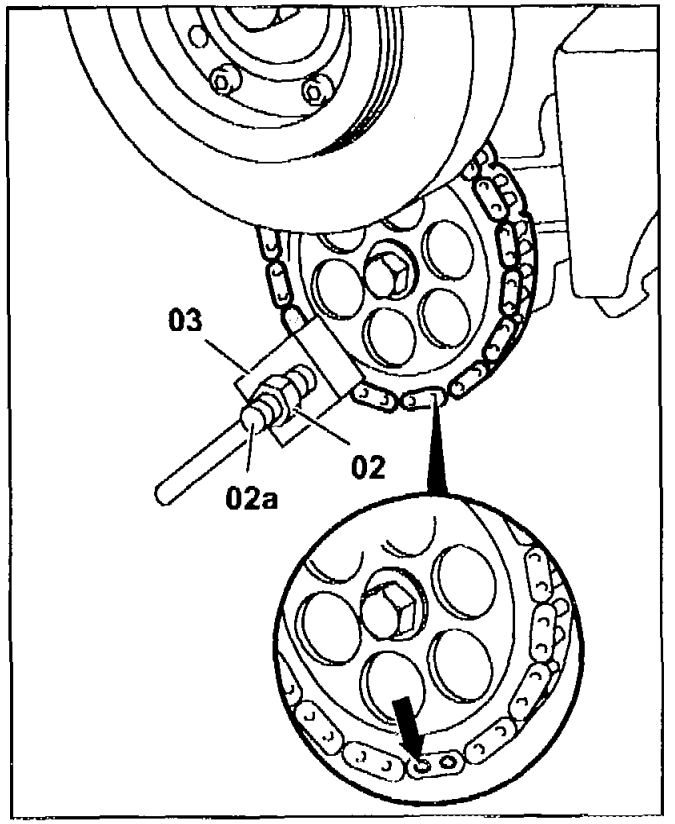
1 Screw thrust spindle (02) together with thrust pin (02a) into chain separating tool (03).

2 Fit chain separating tool (03) onto oil pump chain.

i Position chain separating tool (03) onto pins of oil pump chain.

3 Screw in thrust spindle (02) sufficiently until thrust pin (02a) makes contact with pin of oil pump chain.

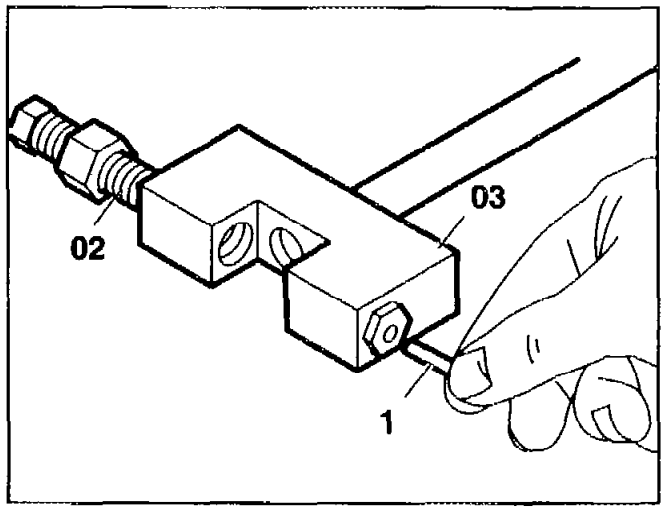
4 Screw in thrust pin (02a) and press out pin of oil pump chain (arrow).



P18.10-0222-02

5 Unscrew thrust spindle (02) and take off chain separating tool (03).

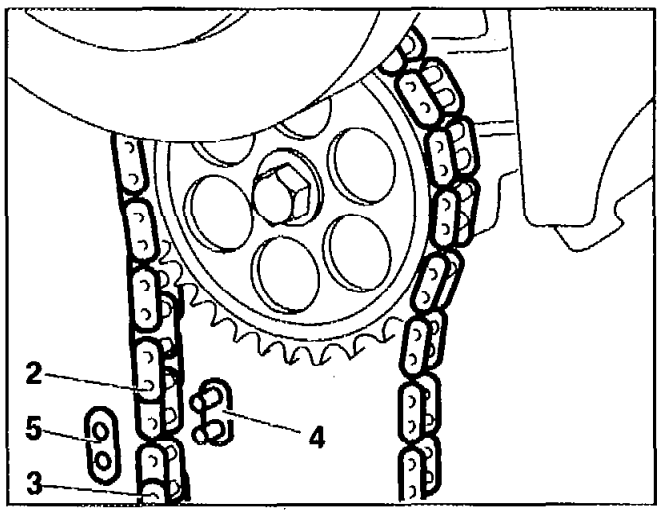
6 Remove pressed-out oil pump chain pin (1) from chain separating tool (03).



P05.10-0271-01

O15 AR18.10-P-2140-02HA	Riveting oil pump chain	103 589 01 63 00 Assembly inserts 602 589 00 98 00 Case 602 589 00 39 00 Rivet opener	

1 Connect new oil pump chain (3) to old oil pump chain (2) with the riveted link (4) and the outer plate (5).
2 Slowly rotate crankshaft in direction of rotation of the engine until the ends of the new oil pump chain (3) can be connected.
3 Detach old oil pump chain (2) and connect the ends of the new oil pump chain (3) with the riveted link (4).
4 Insert riveted link (4) from behind.
5 Insert guide piece with the number F2 into the riveting tool (arrow) and screw on with the screw (28) (Fig. A).
6 Place moving thrust piece with the figure 2 (arrow) into the riveting tool (Fig. B).



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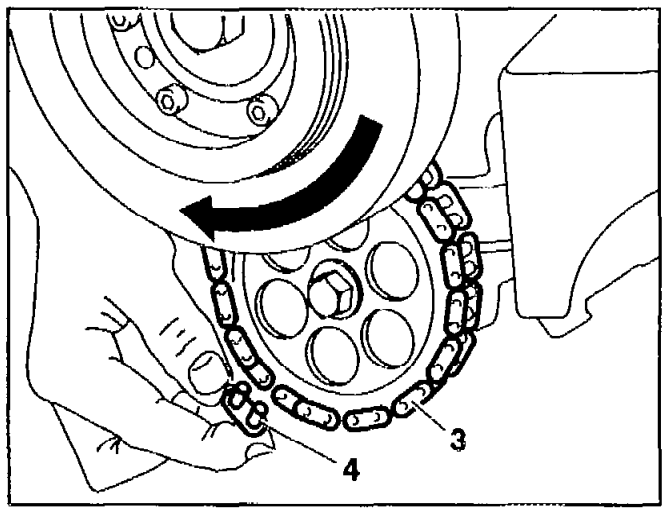

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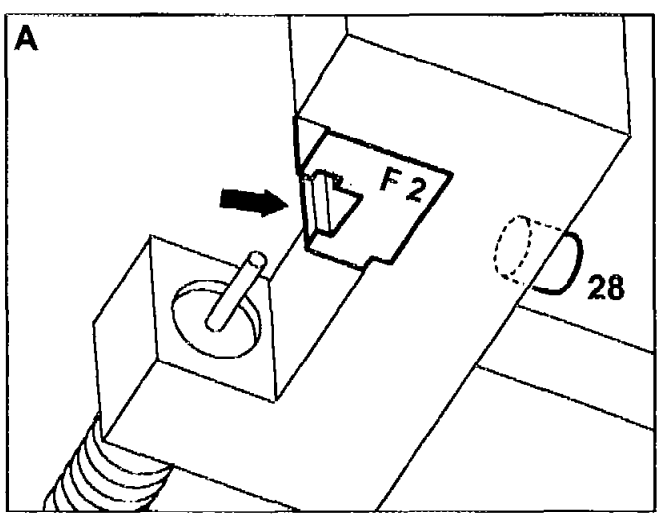
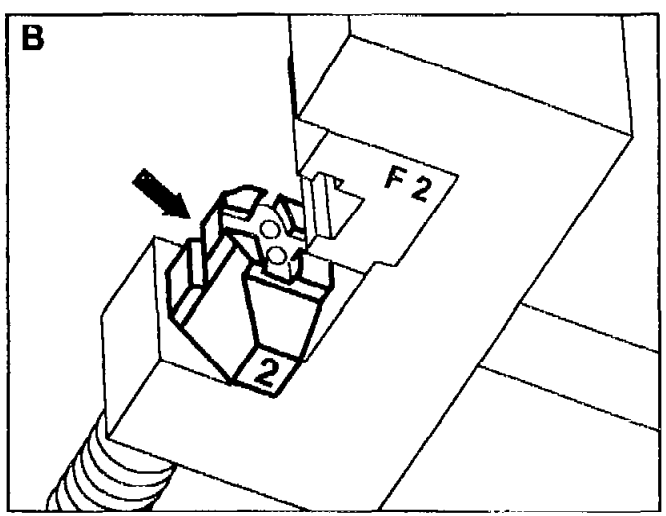
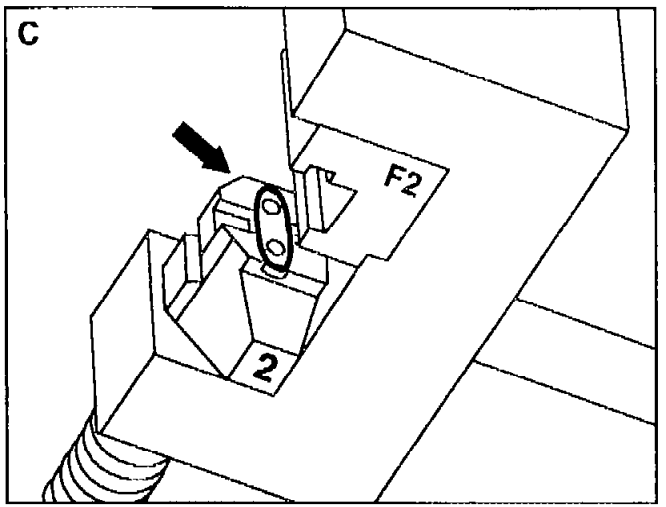


P18.10-0223-01



P18.10-0224-01

7 Insert outer plate (5) into the thrust piece with the figure 2 (arrow), (Fig. C).



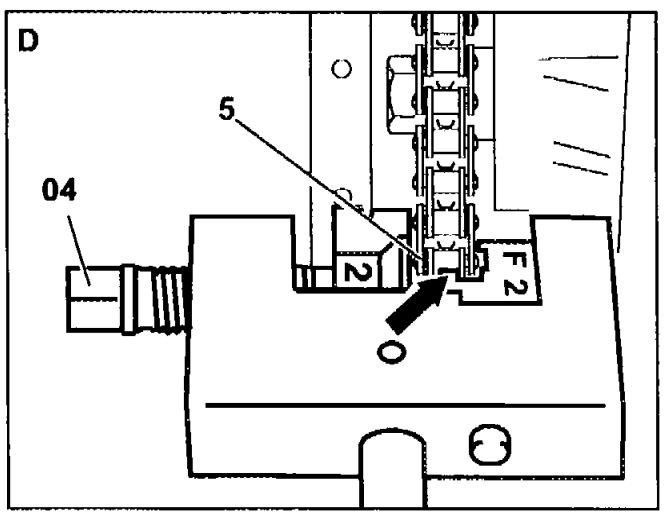
P18.10-0225-01

8 Position riveting tool so that the spacer webs (arrow) are resting on the rollers of the riveted link (Fig. D).

9 Tighten spindle (04) until firm resistance is felt.

i When turning the spindle (04), ensure that the pins of the riveted link move into the holes of the outer plate (5).

10 Take off riveting tool.



P18.10-0227-01

11 Turn over thrust piece with the figure 2 to the riveting profile (arrow), (Fig. E).

12 Position riveting tool exactly over the middle of the pin (arrow), (Fig. F).

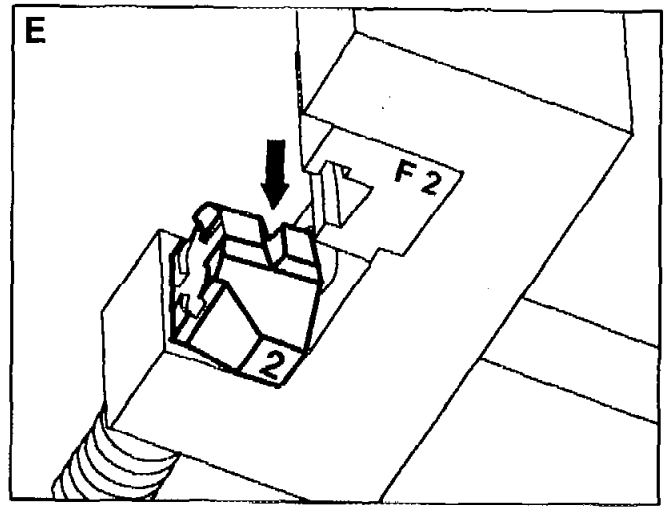
13 Tighten spindle (04).

[i] Torque at spindle (04) 30–35 Nm (reference value).

14 Rivet the pins of the riveted link individually.

15 [◀] Inspect riveting (arrows) and re-rivet if necessary (Fig. G).

E



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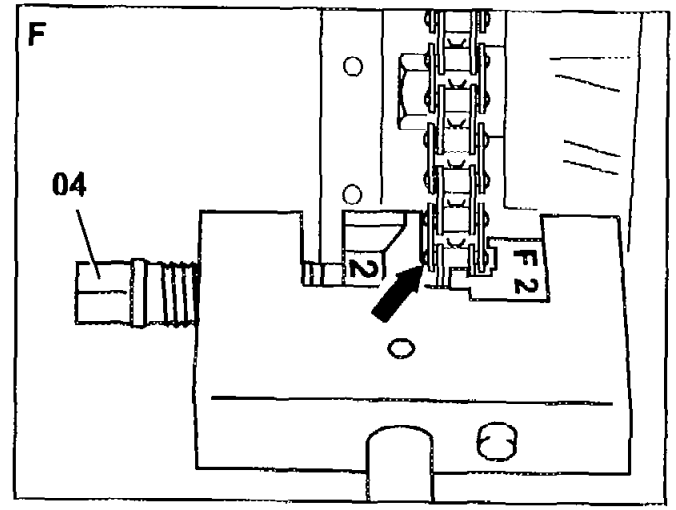
F



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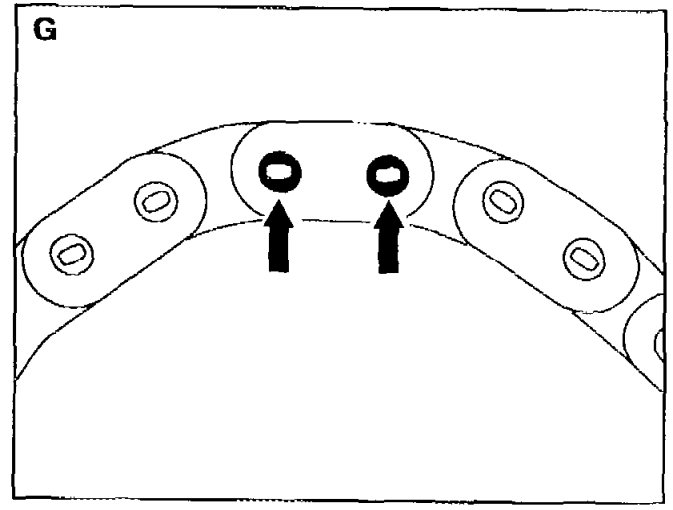
G



P05.10-0213-01

B16 AR20.00-P-1142-06GA	Bleeding cooling system	without auxiliary heater (code 228)	

1.1 Engine 605, 606 in model 210: Open plug at front left of cylinder head, pour in coolant, close plug as soon as coolant flows out.

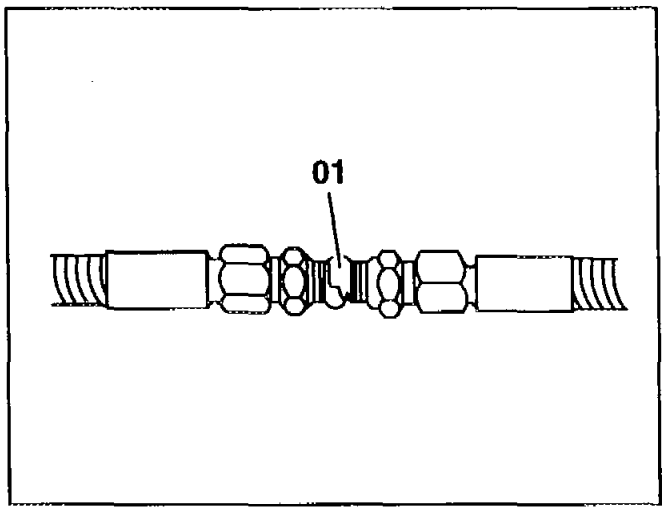
2 Set heater to maximum and warm up engine by running at moderate revs.

3 Top up coolant, continuously if necessary, to the markings in the filler openings of the radiator or on the coolant expansion tank.

4 Once the coolant temperature is 60 – 70 °C, seal off filler opening at the radiator or coolant expansion tank with the cap.

C16 AR20.20-P-3865-01HA	Sealing off ATF lines	**WF** Connection union	

Seal ATF feed and return flow pipes with connecton union (01).

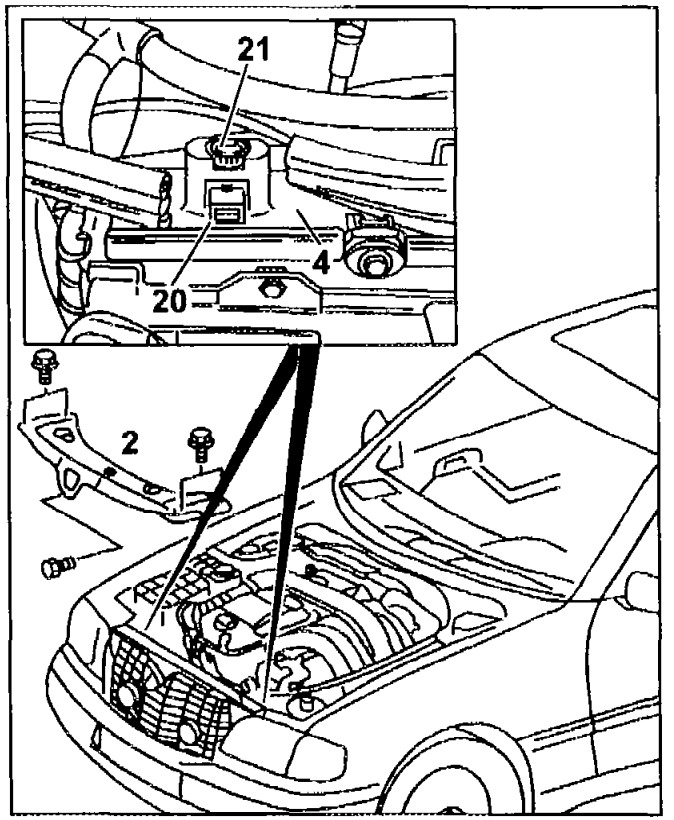


P20.30-0004-01

D16 AR20.20-P-3865-02A	Aligning radiator to front end cross panel	Model 140	

1 Install front end cross panel (2).

2 Turn adjusting screw (21) until the positioning rail (20) is touching the front end cross panel (2) with a slight tension.



P20.20-0230-02

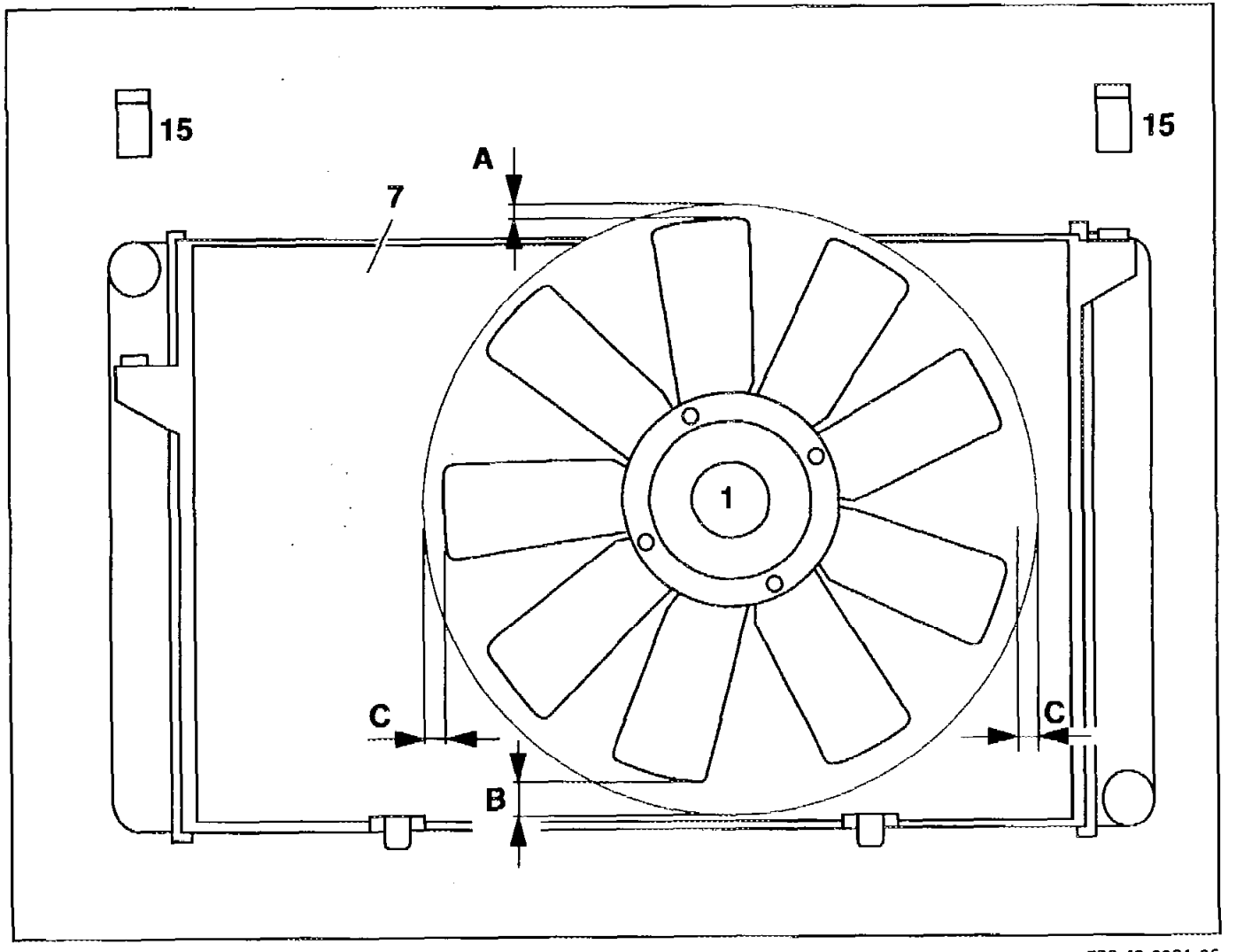
2 Front end cross panel
4 Radiator
20 Positioning rail
21 Adjusting screw

E16 AR20.40-P-6800-01HA	Adjusting fan shroud		

1 Pull off retaining clips (15) upward.

2 Adjust fan shroud (7) relative to fan (1).

3 Fit on retaining clips (15).



P20.40-0001-06