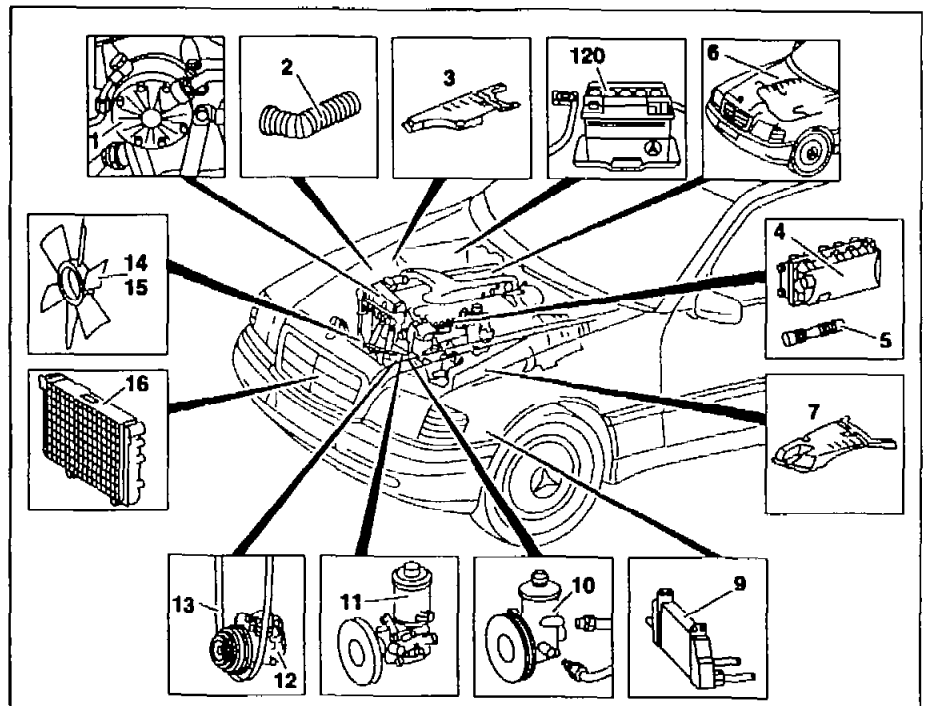


ENGINE 601 in MODEL 124, 201, 202

ENGINE 602 in MODEL 124, 201

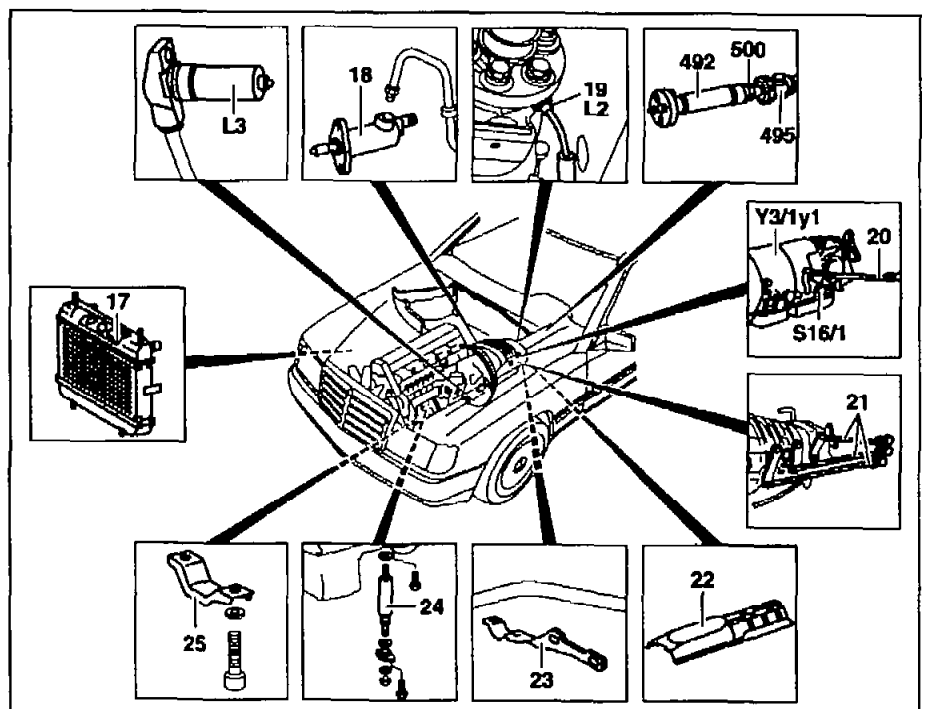
ENGINE 603 / (except 603.913 /963) in MODEL 124, 126, 140

- 1 Pressurized oil pump
- 2 Intake hose
- 3 Trim panel
- 4 Air cleaner cover
- 5 Air intake hose
- 6 Engine wiring harness
- 7 Trim panel
- 9 Air-oil cooler
- 10 Power steering pump
- 11 Pressurized oil pump/tandem pump
- 12 AC compressor
- 13 Poly V-belt
- 14 Fan
- 15 Viscous fan
- 16 Radiator
- 120 Battery



P01.10-0434-06

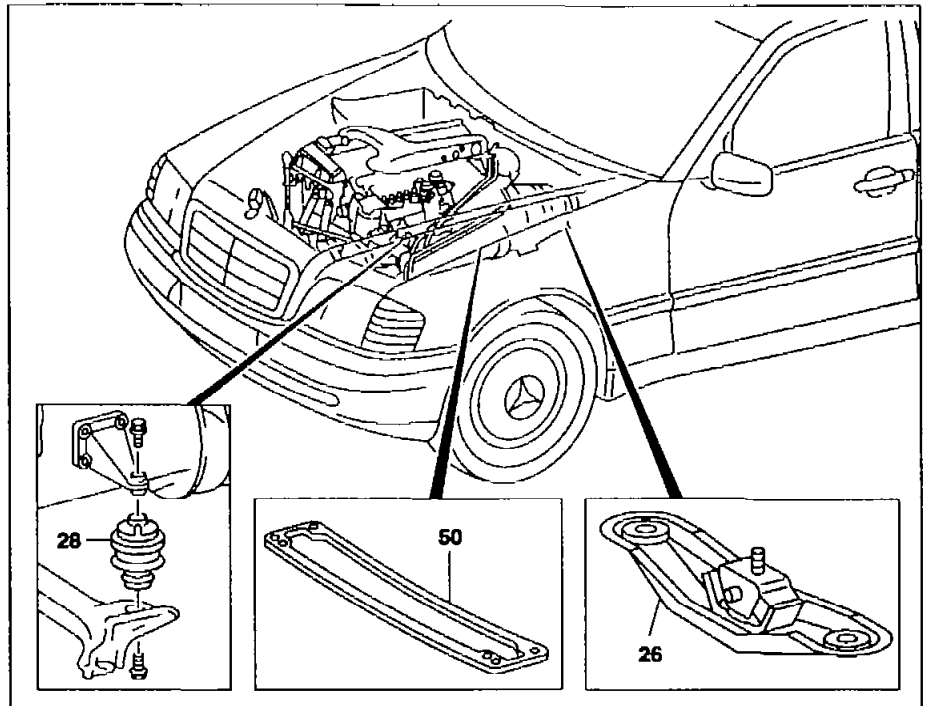
- 17 Transmission air-oil cooler
- 18 Clutch sensor
- 19 Speedometer shaft
- 20 Shift rod
- 21 Shift linkage
- 22 Heat shields
- 23 Exhaust side support
- 24 Engine shock absorber
- 25 Engine stop bracket
- 492 Propeller shaft
- 495 Propeller shaft intermediate bearing
- 500 Clamping nut
- L2 Speedometer inductive sensor
- L3 Speed sensor
- S16/1 Starter lockout switch
- Y31/1y1 Automatic transmission



P01.10-0435-06

















- 26 Rear engine carrier
- 28 Front engine mount
- 50 Transverse yoke












P01.10-0436-06

	Removing, installing		
1	Remove bottom engine compartment panel		
2	Remove exhaust system		
3	Disconnect negative and positive cables of battery (120)		
4.1	Detach air intake hose (5)	Naturally aspirated engine	
5.1	Air cleaner cover (4)	Naturally aspirated engine	
6.1	Take off trim panels (3 and 7)	Model 140	
7.1	Detach intake hose (2) to turbocharger	Turbo engine	
8.1	Unbolt ATF lines and seal with clamps	 If automatic transmission fitted	000 589 40 37 00
9.1	Detach transverse bridge and strut	Model 140, 202	
10.1	Detach hood cable	Model 140, 202	
11.1	Remove radiator (16)	Model 140 Model 202 Condenser: Fit on guard plate immediately after removing radiator.	AR20.20-P-3865HW AR20.20-P-3865HA
12	Slacken coolant hoses between engine and chassis and detach		
13.1	Take off fan (14)	Engine 601 in model 124, 201 with solenoid fan clutch	20-330
14.1	Remove viscous fan clutch (15)	Except models 140, 202	AR20.40-P-5660HW
15.1	Remove poly V-belt (13)	If AC fitted	AR13.22-P-1202HW
16.1	Take off AC compressor (12)	If AC fitted, do not disconnect the refrigerant lines at the compressor. Attach compressor to side in engine compartment.	
17	Slacken vacuum hoses and fuel lines between engine and chassis		

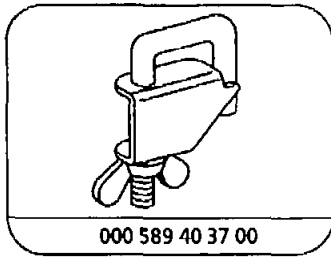


18	Detach Bowden cable of throttle control	Model 124, 202, 202 except engine 602.96, 603.96 Model 124, 201 with engine 602.96, 603.96	30-325 30-3402
19.1	Detach throttle control linkage	Model 126	30-1010.c
20	Separate electric connecting cables between engine and chassis, plug connections and connectors		
21	Separate plug connection of oil pressure switch and oil level sensor		
22	Detach connection cables of starter		
23	Separate plug connections of generator		
24	Take off engine wiring harness (6)		
25	Extract power steering pump (10) hydraulic oil from reservoir and disconnect oil lines	  Installation: Fill power steering pump and bleed	112 589 00 72 00 46-4080
26.1	Disconnect pressurized oil pump (1) or tandem pump (11) oil lines and hoses between engine and chassis	 Vehicles with level control and /or ASD	
27.1	Unbolt air-oil cooler (9) oil lines and hoses between cooler and engine	 Turbo engine or naturally aspirated engine with exhaust gas recirculation	
28.1	Disconnect transmission air-oil cooler (17) oil lines and hoses between cooler and engine	 Turbo engine with automatic transmission and trailer hitch in combination with AC	
29.1	Detach engine stop bracket (25)	 Installation, Model 201: Inspect engine stop, adjust	22-220
30.1	Detach left engine shock absorber (24)	 Model 201 (up to 03/85)	22-240
31.1	Detach left and right engine shock absorbers (24)	 Model 126	22-240
32	Detach shift linkage (20)		
33.1	Unbolt clutch sensor (18) hydraulic line	 Manual transmission  Installation: Bleed clutch sensor	
34.1	Unplug starter lockout, reversing light switch cable connection	 If automatic transmission fitted	
35.1	Unplug kickdown solenoid valve cable connection	 If automatic transmission fitted	
36	Unbolt speedometer shaft (19) and speedometer inductive sensor (L2), respectively		
37	Unbolt speed sensor (L3) and ground strap of starter		
38	Unbolt exhaust side support (23)		
39.1	Unbolt heat shield (22) at center tunnel	 If automatic transmission fitted	
40	Unbolt propellor shaft (492)	 see Removing and installing propellor shaft Model 124, 126 Model 140 Model 201 Model 202	41-050/2 AR41.10-P-0050DA 41-050/3 AR41.10-P-0050EA



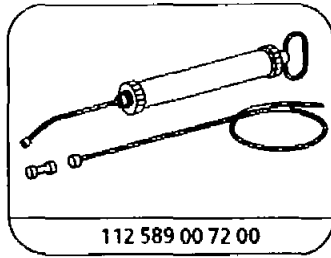
41	Detach propellor shaft intermediate bearing (495)	 see Removing and installing propellor shaft Model 124, 126  Model 140  Model 201  Model 202	41-050/2  AR41.10-P-0050DA 41-050/3 AR41.10-P-0050EA
42	Slacken damping nut (500) at intermediate bearing	 Tightening torques see Removing and installing propellor shaft, model 124, 126  Model 140  Model 201  Model 202   	41-050/2  AR41.10-P-0050DA 41-050/3 AR41.10-P-0050EA 126 589 00 01 00 201 589 00 01 00 001 589 66 21 00
43	Unbolt transverse yoke center section (50)	 Model 126: Replace self-locking hexagon bolts	
44	Attach engine to engine hoist and position horizontally	Engine hoist (self-locking)  Shackle	WH58.30-Z-1001-07A  WH58.30-Z-1002-07A
45	Attach guard plate to component compartment panel		
46	Unbolt rear engine supporting bracket (26)	 Inspect adjusting bolt of rubber mounts	AR22.10-P-1160HW
47	Unscrew hexagon socket bolts of front left and right engine mounts (28) from below	Engine 601 in model 201 up to 03/85 Engine 602 in model 201 up to 03/85 Engine 603 in model 126  Engine 601 in model 124, 201 as of 04/85 Engine 602 in model 124, 201 as of 04/85 Engine 603 in model 124, 140  Engine 601 in model 202	AR22.10-P-1260HZ  AR22.10-P-1260HX  AR22.10-P-1260HY
48	Lift engine out of engine compartment with engine hoist	 Installation: Inspect engine oil, top up if necessary or refill engine.  Replenish coolant.  Inspect cooling system for leaks.	AR20.00-P-1010HA
49	Install in the reverse order		
 <b>Danger!</b>	Risk of accident as a result of vehicle starting off when engine running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it starting off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A AR01.10-P-2400HX/6
50	Run engine and inspect for leaks		
51	Read fault memory, erase.		AD00.00-P-1000AZ





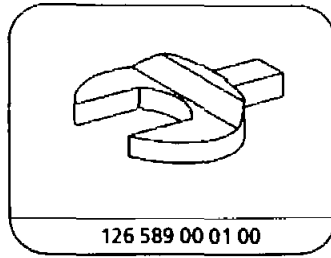
000 589 40 37 00

Clamp



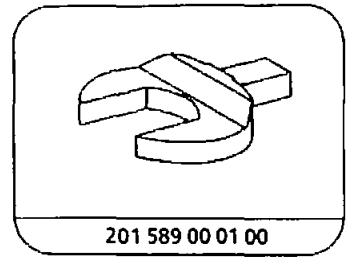
112 589 00 72 00

Hand pump



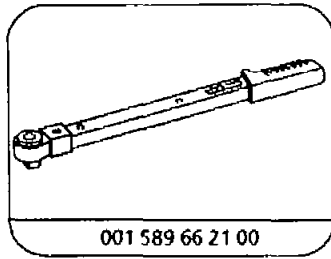
126 589 00 01 00

Open-end wrench



201 589 00 01 00

Open-end wrench



001 589 66 21 00

Torque wrench

**Commercially available tools (see Workshop Equipment Manual)**

Number	Designation	Make (e.g.)	Order number
WH58.30-Z-1001-07A	Engine hoist (self-locking)	Bäcker Herderstraße D-42853 Remscheid	3188
WH58.30-Z-1002-07A	Shackle		C1 DIN 82101

AS00.00-Z-0005-01A	Risk of accident as a result of vehicle starting off when engine is running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it from moving off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	⚠ Danger!
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**Possible dangers**

**Risk of accident**

from vehicle starting off during starting operation (e.g. when testing compression pressure) as a result of gear engaged or when engine running and vehicles with automatic transmission as a result of selector lever position "P" or "N" not engaged (exception: some vehicles do not have a selector lever position "P").

**Risk of injury**

Severe injuries may be caused by freely rotating parts in the area of the running engine. The heat produced by the engine when it is operating can result in severe burns if contact is made with individual, unshielded parts.

**Rules of conduct / Protective measures**

- As a general rule, carry out work on the running engine only if this is absolutely essential.
- Before starting the engine, apply parking brake.
- On models with manual transmission, move gearshift lever into Neutral position.
- On models with automatic transmission, move selector lever into position "P" or "N" (exception: some vehicles do not have a selector lever position "P").
- On models which do not have selector lever position "P", secure selector lever to prevent it from being operated unintentionally.
- Wear closed and close-fitting work clothes.
- Take off any jewelry, such as chains, rings etc.
- If you have long hair, wear a suitable head cover.
- Before commencing work on the running engine, check to obtain a general picture of the positioning of parts which may be hot.
- When carrying out work when starting the engine or when engine is running, do not touch any hot and rotating parts.

**First aid measures in the event of burns**

- Do not rub the skin areas affected; flush with plenty of cold water and cover skin with sterile bandages.
- Immediately consult a physician.

