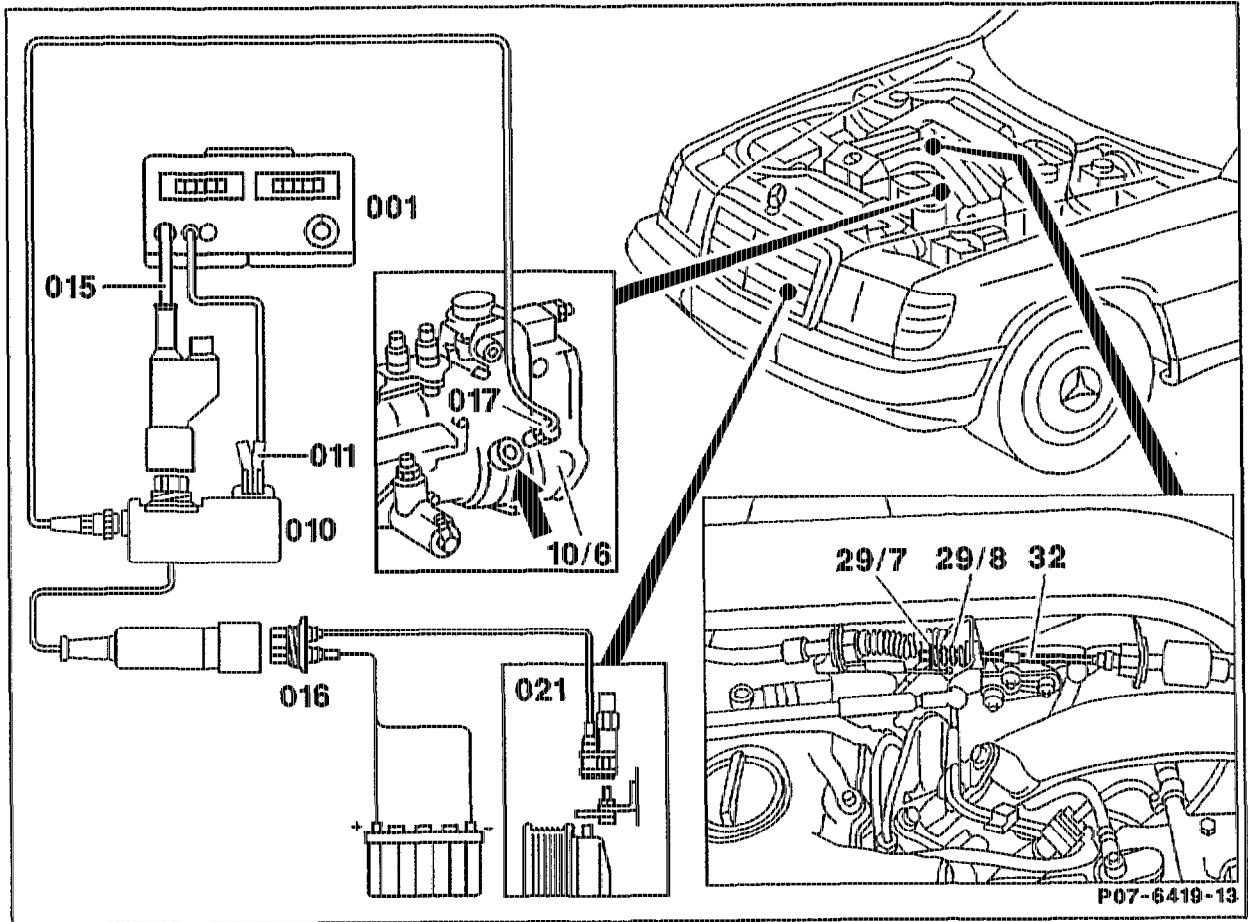


Operation no. of operation texts and work units or standard texts and flat rates:
07-1100



P07-6479-57

Shown on engine 605.911, connection diagram for testers with adapter

001	Digital tester	016	9-pin diagnostic socket at TDC pulse generator (021)
010	Adapter	017	RI generator
011	Trigger clamp	021	TDC pulse generator
015	Test cable with connector		

Fluid levels (engine oil, automatic transmission fluid, coolant)

check, adjust to correct level.

Air cleaner element

remove, check for fouling, replace if necessary, install.

Accelerator control linkage

check for ease of movement and condition, lubricate bearing points, relay levers, ball sockets; replace parts if necessary.

Full throttle stop	check, adjust if necessary (see 30-1010 Adjusting accelerator control).
Idle speed stop at Bowden cable (32)	check; the dished washer (29/7) must rest free of tension against the compression spring (29/8). If necessary, adjust Bowden cable from inside of car (see 30-1010 Adjusting accelerator control).
Engine	warm up to coolant temperature of 60 – 80 °C.
Battery voltage	test. Specification: at least 11.5 V.
Air conditioner or automatic climate control	switch off.
Digital tester (001), TDC pulse generator (021) ..	connect, disconnect.
 Engine 605.911 with pneumatic idle speed increase (PLA)	
Idle speed	check; adjust if necessary by turning the PLA vacuum unit; to do this, slacken lock nut (arrow, see note). Refer to table for test data.
 Engine 606.910 with electronic idle speed control (ELR)	
2-pin coupling of ELR actuator	unplug, plug in.
Idle speed	test, adjust if necessary. To do this, slacken lock nut (arrow, see note) and turn adjusting bolt (ring wrench, see note). Refer to table for test data.
	 To the left: higher engine speed To the right: lower engine speed
 All models	
Screw plug (arrow) on governor housing (10/6) ..	remove, insert. Tightening torque 30-35 Nm.
RI generator (017)	connect, disconnect.
Start of delivery	test. Do this by reading of RI display on digital tester at idle speed. See table for test data. Adjust start of delivery, if necessary (07.1-8300).
Maximum speed at no load	test. See table for test data.
Injection timing device	test. See table for test data.

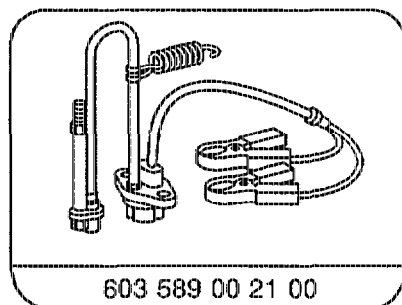
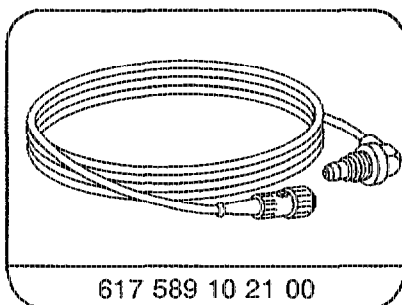
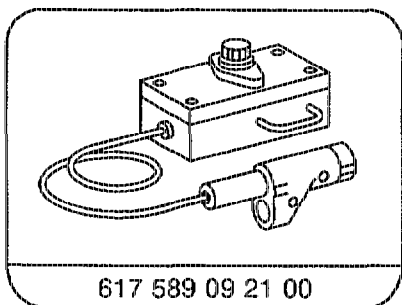
Smooth engine running

- test.
- Depress service brake.
- Move selector lever into Drive position.
- Switch AC compressor.
- Turn power steering to full lock.
- Engine must continue to run smoothly when this is done.

Test and adjustment data

Engine		605.911	606.910
Idle speed [rpm]	Pneumatic idle speed increase	650-750	-
	Electronic idle speed control (ELR)	-	with control 580-680 without control connector unplugged at actuator 560-620
Maximum speed at no load [rpm]		5200-5600	5200-5600
Start of delivery with digital tester	RIV specification	14° + 0.5° ATDC	14° + 0.5° ATDC
Travel of injection timing device acc. to RIV at maximum speed with no load		ca. 3° - 5° BTDC	ca. 3° - 5° BTDC

Special tools



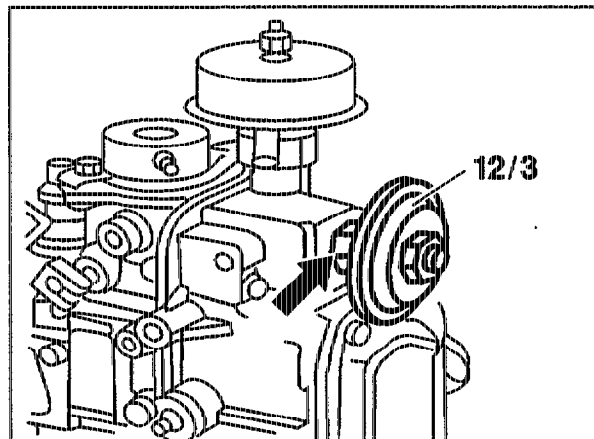
Commercially available tools and testers (see Workshop Equipment Manual)

Designation	e.g. Make, order no.
Use without adapter	
Digital tester	AVL, Diesel-Tester 873 Bosch, ETD 019.02 Sun, DIT 9100
Use with adapter	
Digital tester	Bosch, MOT 103, 002.02, 250, 401 Hermann D960, D980 Bear DEACE

Notes

Adjusting pneumatic idle speed increase

12/3 PLA vacuum unit
Arrow Lock nut



Adjusting electronic idle speed control

