

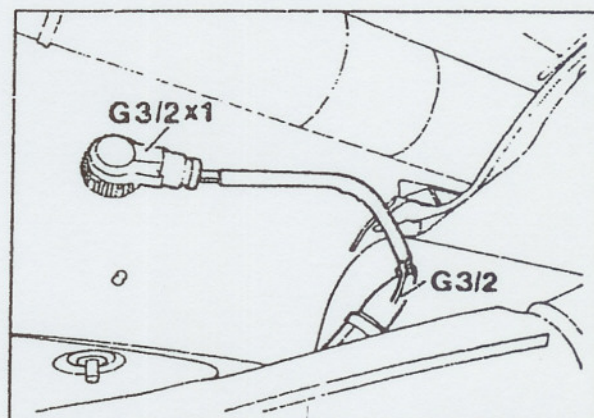
49-0001 Conversion of KAT version vehicles to version without KAT (model 140)

Vehicles with catalytic converter (KAT, code 620) can be converted to the version without KAT.

- 1 Disconnect battery.
- 2 Remove catalytic converter (see 49-5531, section A).
- 3 Install exhaust system without catalytic converter (see 49-5531, section B).
Install shield for left exhaust pipe on the underside of the car.
- 4 Cut off cable at the connector of the lambda sensor (G3 2x1).

Note

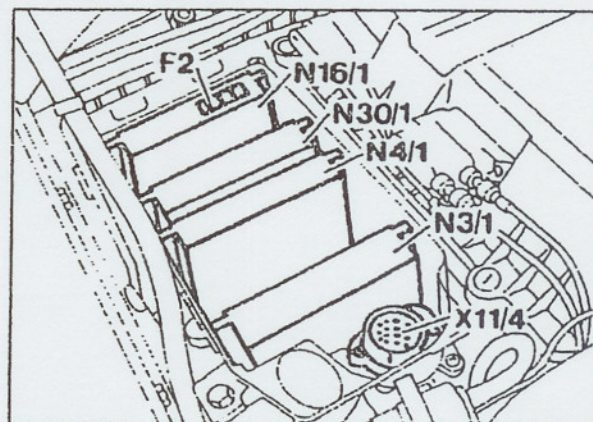
Connector remains plugged in as insulation.



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- 5 Unplug all the contro units from the module box using special tool 140 589 01 33 00.
Remove module box.

- 6 Make up wiring harness as described in step 18.



P07-5253-13

- | | |
|-------|--|
| N3/1 | Hot wire (LH) control unit |
| N4/1 | Electronic accelerator pedal (EFP)/
Tempomat cruise control (TPM) |
| N16/1 | Base module |
| N30/1 | ABS-ASR control unit |

7 Run yellow green cable of the shop-made wiring harness through the side rubber grommet into the module box. Crimp small flat connector (003 545 51 26) onto the cable and press into the light green LH control unit coupling (without CAN) in slot 7.

Cut off cable for air pump actuation from light green coupling, slot 19, and cable for transmission shift point retard from slot 20 about 30 mm behind the flat connector with pliers and insulate at both ends.

Crimp small flat connector (003 545 51 26) onto the cable and press into light blue LH control unit coupling, slot 7 (without CAN).

Seal rubber grommet with silicone!

8 Install module box.

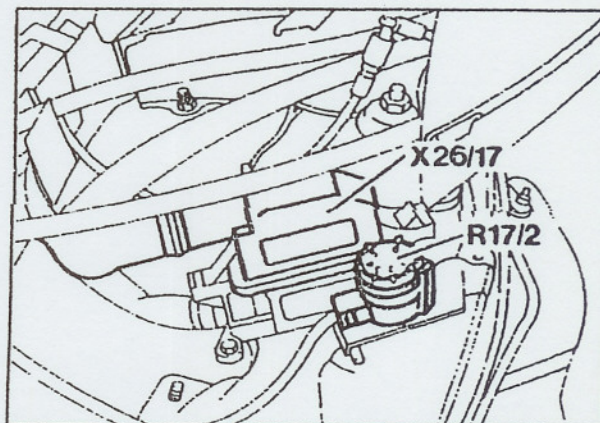
Exchange LH control unit (N3 1) and re-install all the control units.



If the part numbers listed in the table are installed (as of 1992), the control units should not be exchanged.

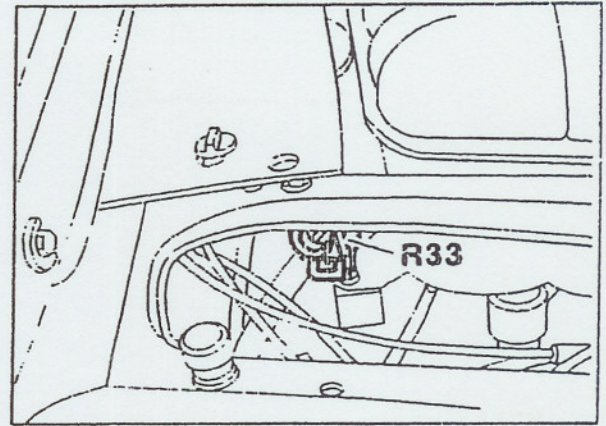
9 Unplug LH resistance trimming plug (R17 2). Open coupling. Solder brown white cable of the CO potentiometer (R33, step 10) to the brown white cable in the coupling of the LH resistance trimming plug (R17 2).

Fit on new resistance trimming plug.



PUT-2588-13

10 Install CO potentiometer (R33) behind the right headlamp unit. Plug connector of the shop-made wiring harness to (R33).



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11 Exchange EZL ignition control unit (N1 3) if the control unit installed does not have the following part no.:

In model 140.042 043

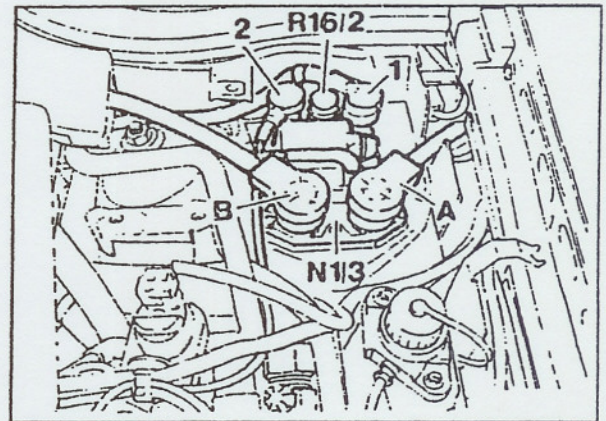
part no. 012 545 83 32 or 013 545 63 32

In model 140.050 051

part no. 012 545 85 32 or 013 545 64 32

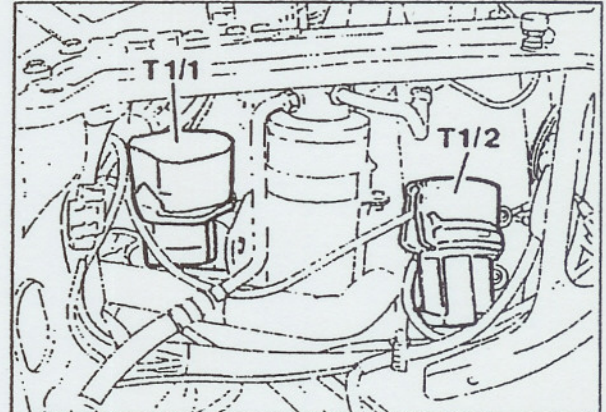
12 Exchange EZL resistance trimming coupling (R16.2).

N1 3 EZL AKR ignition control unit
R16 2 EZL resistance trimming coupling



P15-2355-13

13 Exchange ignition coils (T1 1, T1 2) if the coils installed do not have the following part no.:
part no. 000 158 57 03 or 000 158 55 03



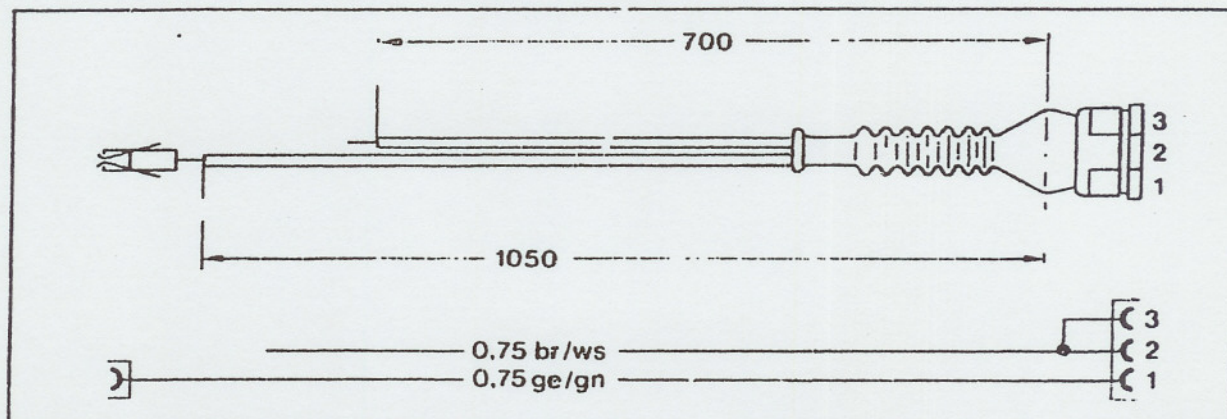
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14 Stick new engine data information plate over the existing engine data information plate (see list of parts).

15 Connect battery.

16 Code radio.

17 Run engine to warm up to an oil temperature of 60 – 80 °C and set idle emissions level (see Diagnosis Manual Engine, Volume 1, Section "B").



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18 Shop-made wiring harness

Contacts 2 and 3 in the coupling of the CO potentiometer must be bridged.

Note

When performing the conversion work, pay attention to the relevant national regulations regarding vehicle registration.

List of parts (LHD version)

Designation	Part no.	Qty. of parts M 119.970	Qty. of parts M 119.971
CO potentiometer	000 542 51 25	1	1
Bracket	140 540 03 73	1	1
M5 x 12 bolt	000933 005059	1	1
M6 x 10 bolt	007985 006149	1	1
LH resistance trimming plug	014 545 70 28	1	1
EZL resistance trimming plug 95 octane	015 545 71 28	1	1
EZL resistance trimming plug 91 octane	015 545 70 28	1	1
LH control unit	012 545 61 32	-	1
LH control unit	012 545 62 32	1	-
Shield	140 682 21 71	1	1
Shield	140 682 13 71	1	1
Self-tapping screw	007976 004215	5	5
Front right exhaust pipe	140 490 01 19	1	1
Front left exhaust pipe	140 490 14 19	1	1
Front exhaust pipe	140 490 00 19	1	1
Bolt	129 990 04 10	6	6
Seal	201 492 02 81	1	1
Bolt	000931 008248	2	2
Nut	999901 008005	2	2
Bracket	129 492 21 41	1	1
Tensioning plate	129 490 00 44	1	1
Nut	129 990 04 58	2	2
Ignition coil (optionally)	000 158 57 03	2	2
	000 158 65 03		
EZL ignition control unit	012 545 83 32	-	1
EZL ignition control unit	012 545 85 32	1	-
Coupling (CO potentiometer)	007 545 75 28	1	1
Rubber grommet	000 546 60 35	1	1
Flat connector terminal	002 545 19 26	3	3
Flat connector terminal (small)	003 545 51 26	1	1
Engine data information plate	140 584 41 17	1	1
Cable 0.75 mm ga:gn 1050 mm	comm. available	1	1
Cable 0.75 mm br:ws 700 mm	comm. available	1	1
Insulating hose Ø 4 mm 1700 mm	comm. available	1	1

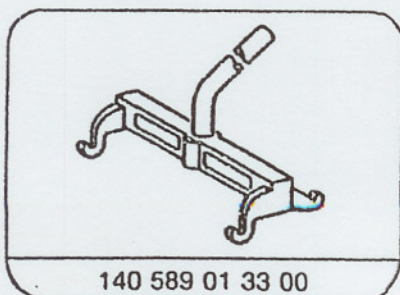
Note

Operation text and flat rates

Converting KAT vehicles to vehicles
without KAT:

02-4914-02 Basic operation

Special tool



140 589 01 33 00