

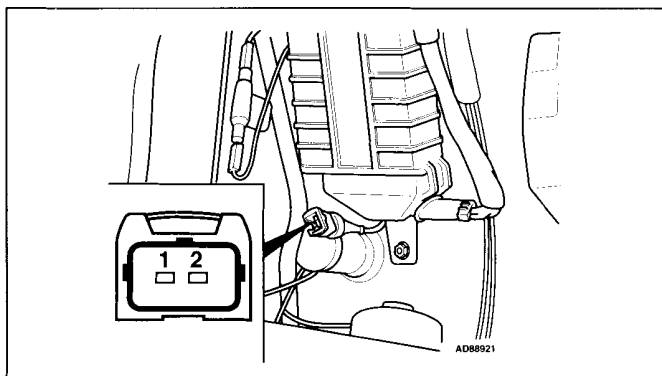


PEUGEOT

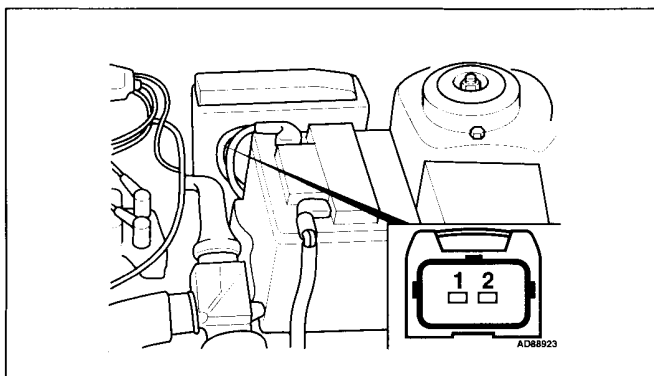
Model: 106 1,0/1,1/1,3/1,4/1,6 • 205 1,1/1,4/1,6 • 306 1,1/1,4/1,6/1,8/2,0 • 405 1,6/1,8/2,0 • 605 2,0 • Boxer 2,0
Year: 1989-00
Engine code: BD,YCD,YCDZ, HDZ, KDX, KD,YKDZ, KFX, K6B, LFZ, MFZ, NFW, NF,YNFZ, RFT, RFW, RFX, RF,YRFZ, RGX, RG,YRGZ
System: Bosch Mono-Jetronic A2.2 • Bosch Mono-Motronic MA3.0 • Bosch Motronic MP3.1/3.2/5.1
Magneti Marelli Monopoint G5/G6 • Magneti Marelli AP/8P/8P.11

Engine management

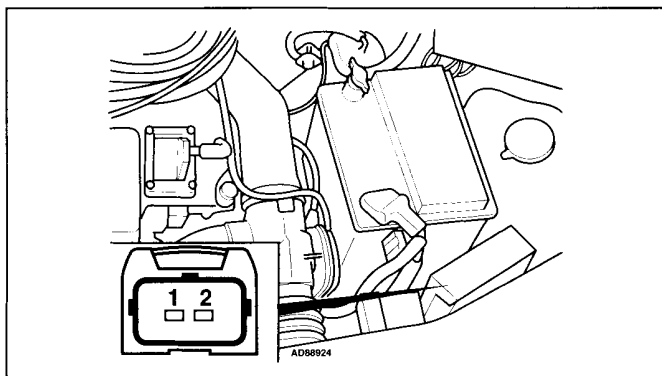
Data link connector (DLC) locations



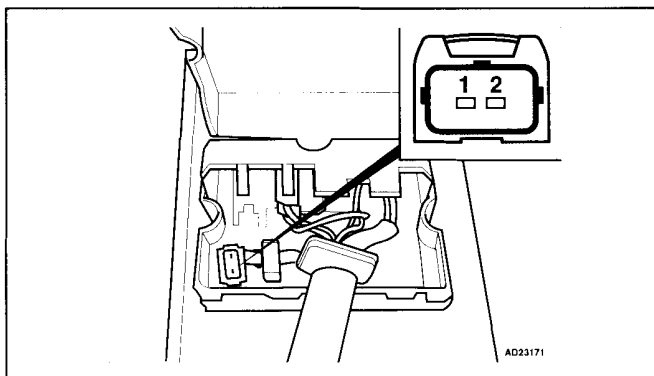
106



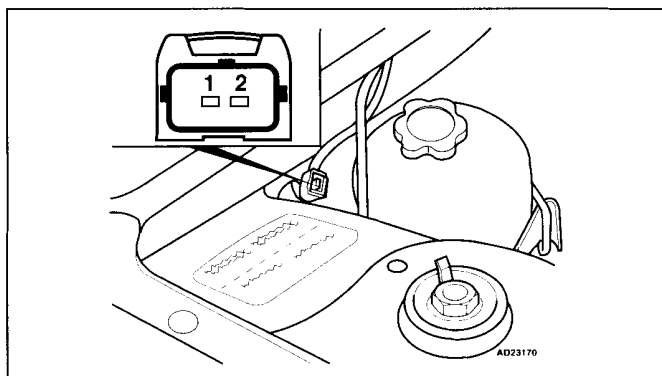
306



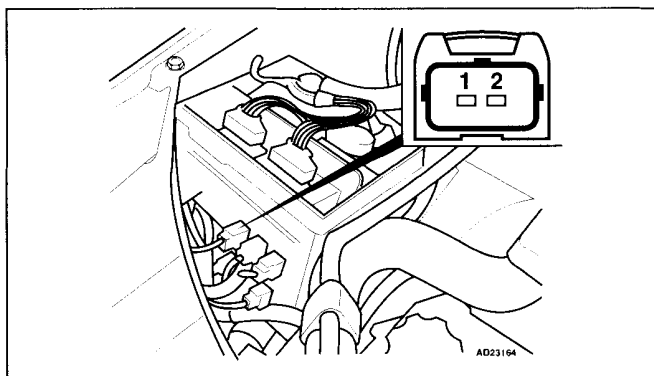
205 – position 1



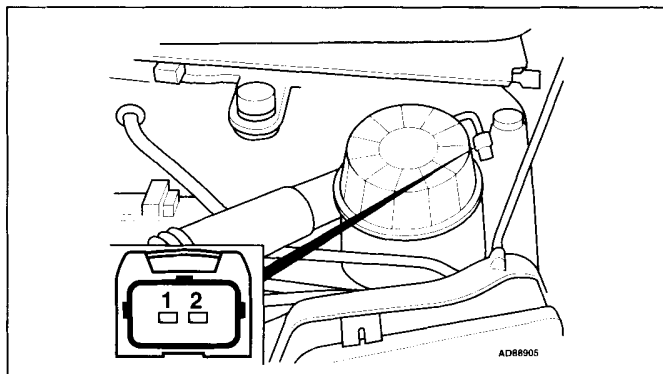
405 – RH engine bay



205 – position 2



605



Boxer

Trouble codes

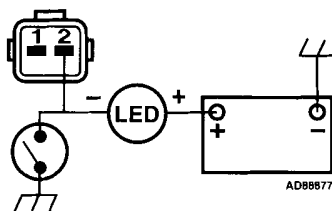
General information

- Refer to the front of this manual for general test conditions, terminology, detailed descriptions of wiring faults and a general trouble shooter for electrical and mechanical faults.
- Trouble codes are displayed by the malfunction indicator lamp (MIL) or LED.
- The ECM fault memory can also be checked and erased using diagnostic equipment connected to the data link connector (DLC).
- Vehicles fitted with a coded keypad: When switching on ignition or entering start code ensure diagnostic equipment is disconnected from the data link connector (DLC).

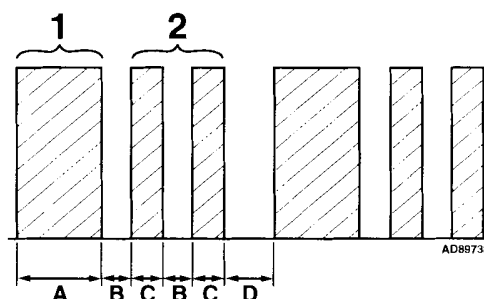
Accessing

- Switch ignition ON.
- Check that MIL illuminates.
- Connect LED test lamp between green data link connector (DLC) terminal 2 and battery positive **1**.
- Bridge data link connector (DLC) terminal 2 and earth with a switched lead – contacts normally open **1**.
- Operate switch for 2,5-5 seconds.
- LED or MIL will now flash trouble code 12.
- Each trouble code consists of two groups of one or more flashes **2**.
- Long flashes indicate the 'tens' of the trouble code **2** [A].
- Short flashes indicate the 'units' of the trouble code **2** [C].
- A short pause separates each flash **2** [B].
- A long pause separates each trouble code **2** [D].
- For example: Trouble code 12 displayed **2**.
- Repeat operation.
- Count LED or MIL flashes. Note trouble codes. Compare with trouble code table.

1



2





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405 1,6/1,8/2,0 • 605 2,0 • Boxer 2,0

Engine management

Erasing

Method 1

- Switch ignition ON.
- Connect LED test lamp between data link connector (DLC) terminal 2 and battery positive **1**.
- Bridge data link connector (DLC) terminal 2 and earth with a switched lead – contacts normally open **1**.
- Operate switch for 2,5-5 seconds.
- LED or MIL will now flash trouble code 12.
- Repeat switch operation until code 11 is displayed.
- Operate switch for 10-20 seconds.
- Switch ignition OFF.

Method 2

- Ensure ignition switched OFF.
- Disconnect battery earth lead for 10 seconds.

WARNING: *Disconnecting the battery may erase memory from electronic units (e.g. radio, clock).*

Trouble code identification

Flash type	Fault location	Probable cause
11	End of sequence	–
12	Start of sequence	–
13	Intake air temperature (IAT) sensor	Wiring, IAT sensor, ECM
14	Engine coolant temperature (ECT) sensor	Wiring, ECT sensor, ECM
15	Relay module	Wiring, relay module – fuel pump contacts, ECM
18	Turbocharger (TC) coolant pump	Wiring, TC coolant pump, ECM
21 1	Closed throttle position (CTP) switch	Wiring, CTP switch, accelerator cable adjustment, ECM
21 2	Throttle position (TP) sensor	Wiring, TP sensor, accelerator cable adjustment, ECM
22 3	Closed throttle position (CTP) switch	Wiring, CTP switch, accelerator cable adjustment, ECM
22 4	Idle air control (IAC) valve/idle speed control (ISC) actuator	Wiring, IAC valve/ISC actuator, ECM
25	Intake manifold air control solenoid	Wiring, intake manifold air control solenoid, ECM
27	Vehicle speed sensor (VSS)	Wiring, VSS, ECM
31	Mixture control (MC)	Wiring, incorrect fuel, HO2S, exhaust leak, fuel pressure, injector control, EVAP canister purge valve, compression, air filter blocked, ignition system, ECM
32	Mixture control (MC)	Wiring, incorrect fuel, HO2S, exhaust leak, fuel pressure, injector control, EVAP canister purge valve, compression, air filter blocked, ignition system, ECM
33 1	Throttle position (TP) sensor	Wiring, TP sensor, accelerator cable adjustment, ECM
33 2	Manifold absolute pressure (MAP) sensor	Wiring, MAP sensor, hoses blocked/leaking, ECM
34	Evaporative emission (EVAP) canister purge valve	Wiring, EVAP canister purge valve, ECM
41	Crankshaft position (CKP) sensor/engine speed (RPM) sensor	Wiring, CKP/RPM sensor, air gap, ECM
42 5	Injector(s)	Wiring, relay module, injector(s), ECM
42 ■	Injector/fuel pump	Wiring, injector, fuel pump, relay module, ECM
43	Knock control	Wiring, KS, mechanical fault, incorrect fuel, ignition system, ECM
44	Knock sensor (KS)	Wiring, KS, ECM

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Engine management

Flash type	Fault location	Probable cause
45 6	Ignition coil 1 – cylinder 1	Wiring, ignition coil, ECM
45 7	Ignition coil 1 – cylinder 1 & 4	Wiring, ignition coil, ECM
46	Turbocharger (TC) wastegate regulating valve	Wiring, hoses blocked/leaking, TC wastegate regulating valve, ECM
47	Turbocharger (TC) wastegate regulation	TC wastegate regulating valve, MAP sensor, TP sensor, exhaust leak, intake leak
51	Heated oxygen sensor (HO2S)	Wiring, HO2S, exhaust leak, relay module, ECM
52	Mixture control (MC)	Wiring, incorrect fuel, HO2S, exhaust leak, fuel pressure, injector control, EVAP canister purge valve, compression, air filter blocked, ignition system, ECM
53	Battery voltage	Wiring, battery discharged, alternator
54	Engine control module (ECM)	Wiring, battery, ECM
56	Coded keypad	Wiring, coded keypad
57 6	Ignition coil 2 – cylinder 2	Wiring, ignition coil, ECM
57 7	Ignition coil 2 – cylinder 2 & 3	Wiring, ignition coil, ECM
58 6	Ignition coil 3 – cylinder 3	Wiring, ignition coil, ECM
59 6	Ignition coil 4 – cylinder 4	Wiring, ignition coil, ECM
61	Turbocharger (TC) regulating valve	Wiring, hoses blocked/leaking, TC regulating valve, ECM
65	Camshaft position (CMP) sensor	Wiring, CMP sensor, ECM
71 6 8	Injector 1	Wiring, relay module, injector, ECM
72 6 8	Injector 2	Wiring, relay module, injector, ECM
73 6 8	Injector 3	Wiring, relay module, injector, ECM
74 6 ■	Injector 4	Wiring, relay module, injector, ECM
79 9	Manifold absolute pressure (MAP) sensor	Wiring, MAP sensor, hoses blocked/leaking, ECM

- 1** Bosch Mono-Jetronic A2.2
- 2** Except Bosch Mono-Jetronic A2.2
- 3** Bosch Mono-Motronic MA3.0
- 4** All systems
- 5** Except Magneti Marelli AP/Bosch MP3.2
- 6** Magneti Marelli AP
- 7** Except Magneti Marelli AP
- 8** Bosch MP3.2
- 9** Turbo models

