4.3 Automatic Locking Differential (ASD) Contents

4.3 Models 124, 129.061, 201 (as of 06/92), 202

Diagnosis - Diagnostic Trouble Code (DTC) Memory

Preparation for DTC Readout

1. Connect impulse counter scan tool or Hand-Held Testr (HHT) to data link connector (X11/4) according to connection diagram (see section 0).

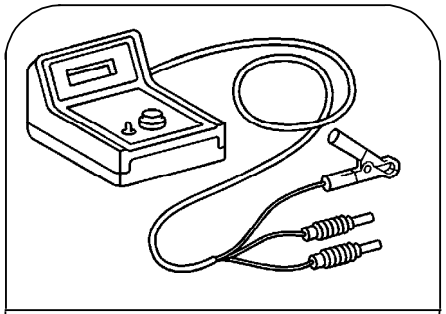
   Note:
   Connect yellow wire from impulse counter scan tool to:
   ASD control module (N30/2)
   - 16-pole data link connector (X11/4) socket 5
   - 38-pole data link connector (X11/4) socket 26

2. Engine: **at Idle**.
3. Read out DTC's for ASD control module (N30/2).

   ⚠
   To erase DTC's, Engine: **at Idle**.

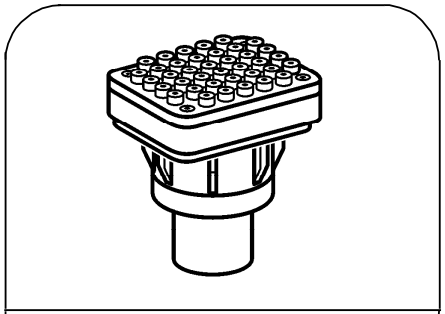
Note:
To activate the DTC memory of a new ASD control module (N30/2), see 12.

Special Tools



124 589 19 21 00

Pulse counter



140 589 14 63 00

Adapter

Equipment

Hand-Held Tester (HHT)	See S.I. in groups 58 and 99.

Diagnosis - Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC)		Possible cause	Test step/Remedy [1]
1	–	No fault in system.	In case of complaint: 23 and 33 (entire test)
2	002	ASD control module (N30/2).	Replace N30/2.
3	003	Stop lamp switch (S9/1).	23⇒ 6.0 23⇒ 7.0
4	004	Left front axle VSS sensor (L6/1) or from ABS control module (N30).	23⇒ 10.0
5	005	Right front axle VSS sensor (L6/2) or from ABS control module (N30).	23⇒ 9.0
6	006	Rear axle VSS sensor (L6) or from ABS control module (N30).	23⇒ 11.0
7	007	No VSS from any sensor (L6, L6/1, L6/2).	23⇒ 9.0 23⇒ 10.0 23⇒ 11.0
8	008	ASD valve (Y38) or stop lamp switch (S9/1).	23⇒ 6.0 23⇒ 7.0 23⇒ 8.0
9	009	Incorrect front axle tooth count, signal implausible [2]	Visually inspect

[1] Observe Preparation for Test, see 22.

[2] Rotor with incorrect tooth count, dirt accumulation on or damaged rotor, incorrect rear axle ratio, wrong wheel or tire size.

Diagnosis - Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Remedy/Test step
ASD MIL (A1e24) blinks when first using vehicle with new control module installed (N30/2).	Initialization of front rotors to rear axle has not been performed.	Drive vehicle up to a speed > 19 mph (30km/h) without applying the brakes. Once speed is attained, vehicle may be braked.

Electrical Test Program - Component Locations

Electrical Components in Engine Compartment and in Instrument Cluster Model 124

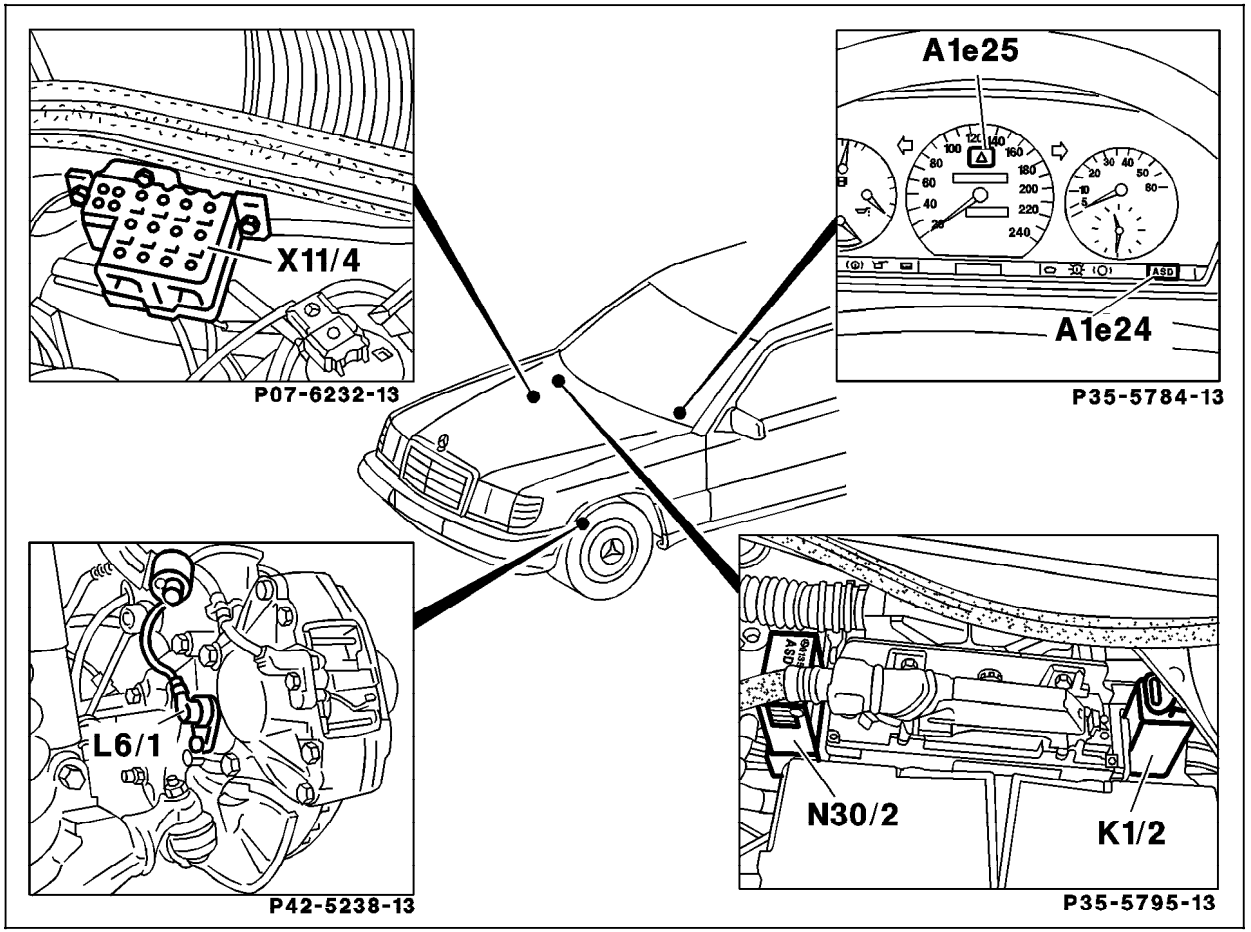


Figure 1

A1e24	ASD malfunction indicator lamp
A1e25	ASD function indicator lamp
L6/1	Left front axle vehicle speed sensor
L6/2	Right front axle vehicle speed sensor
K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30/2	ASD control module
X11/4	Data link connector, 16-pole (DTC readout)

Electrical Test Program - Component Locations

Electrical Components in Right Rear Chassis, Rear Axle and Passenger Compartment Model 124

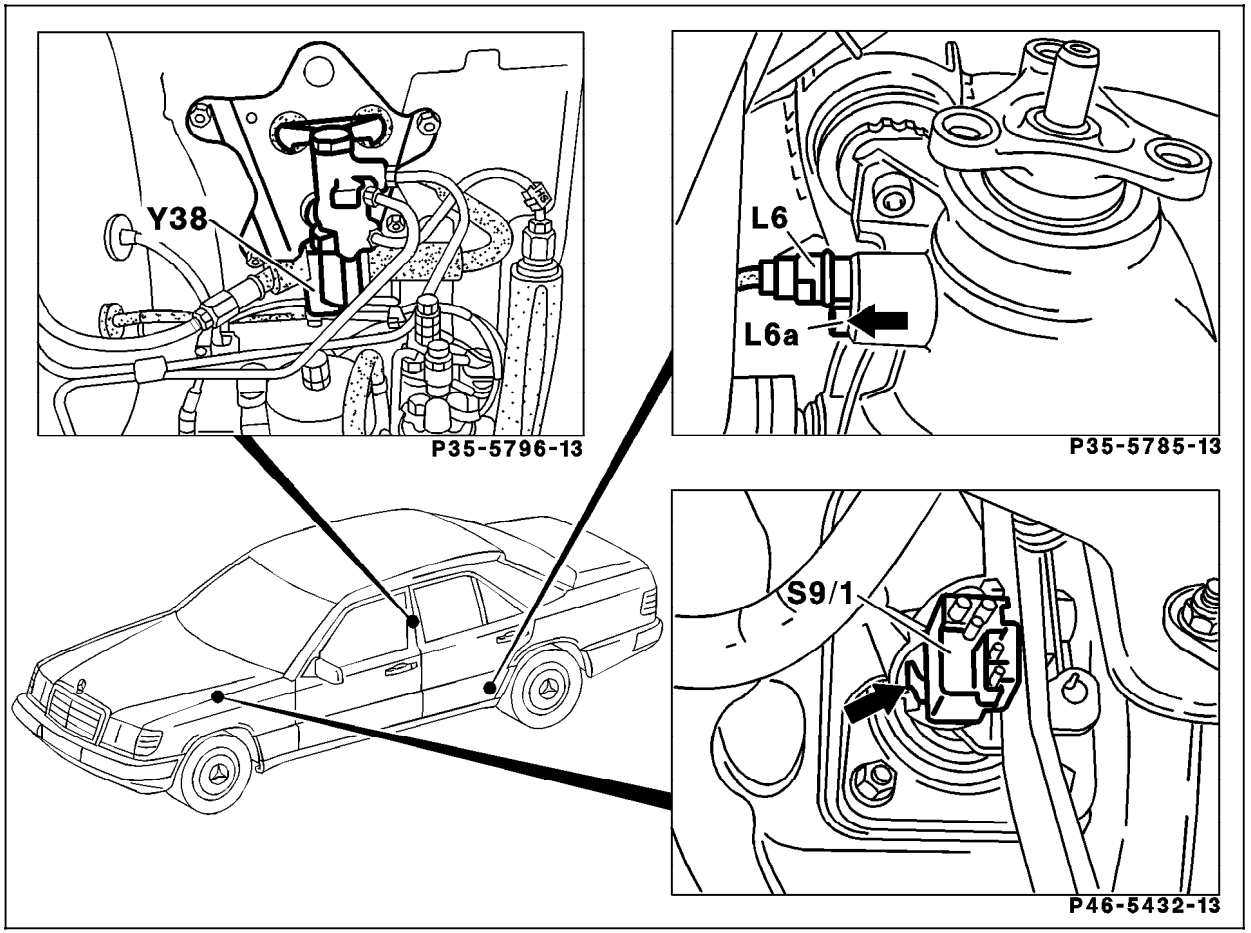


Figure 2

L6	Rear axle vehicle speed sensor
S9/1	Stop lamp switch (4-pole)
Y38	ASD valve

Electrical Test Program - Component Locations

Electrical Components in Engine Compartment, and Passenger Compartment
Model 129

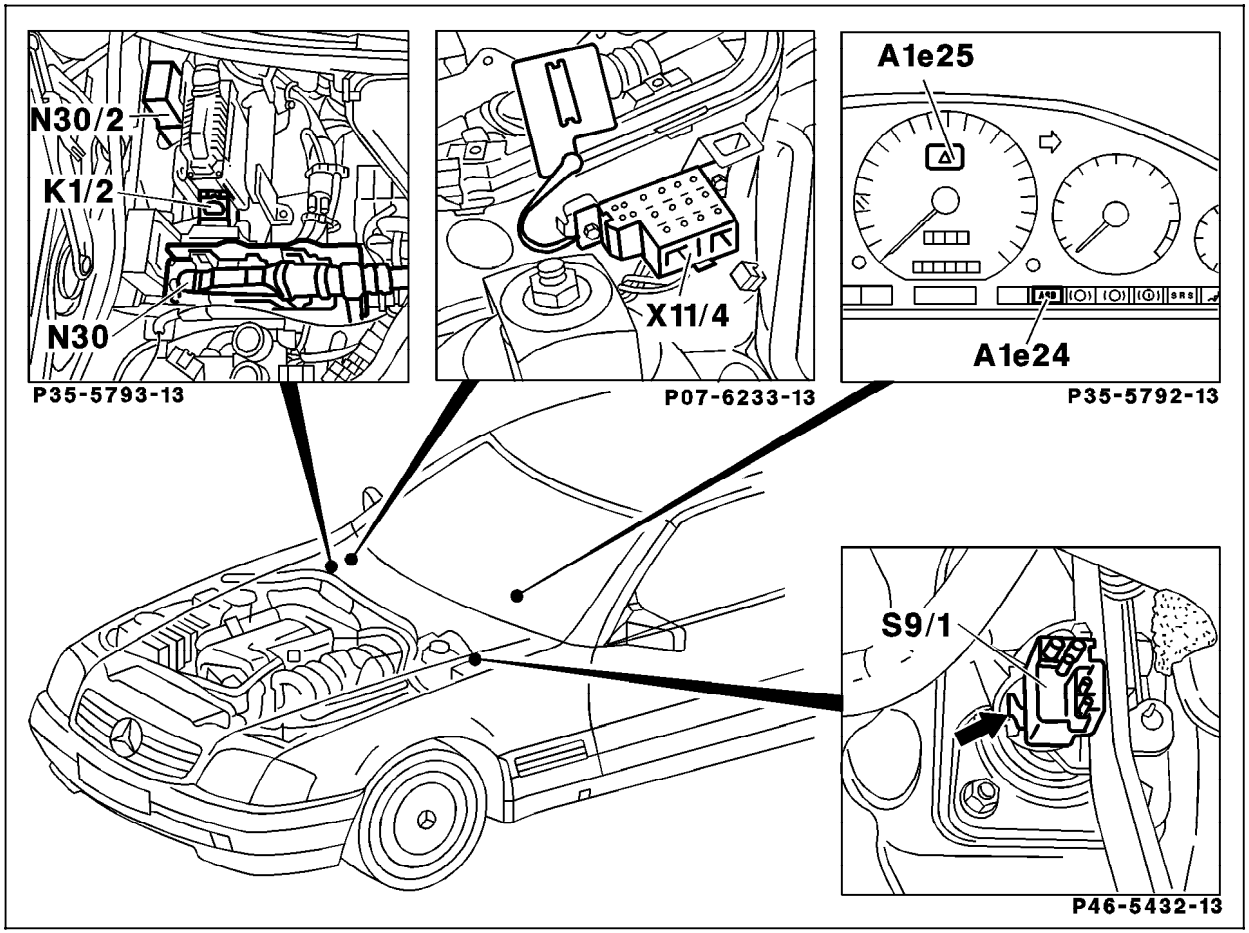


Figure 3

A1e24	ASD malfunction lamp
A1e25	ASD function indicator lamp
K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30	ABS control module
N30/2	ASD control module
S91	Stop lamp switch (4-pole)
X11/4	Data link connector, 16-pole or 38-pole (DTC readout)

Electrical Test Program - Component Locations

Electrical Components in Right Rear Chassis, on Front and Rear Axles
Model 129 shown

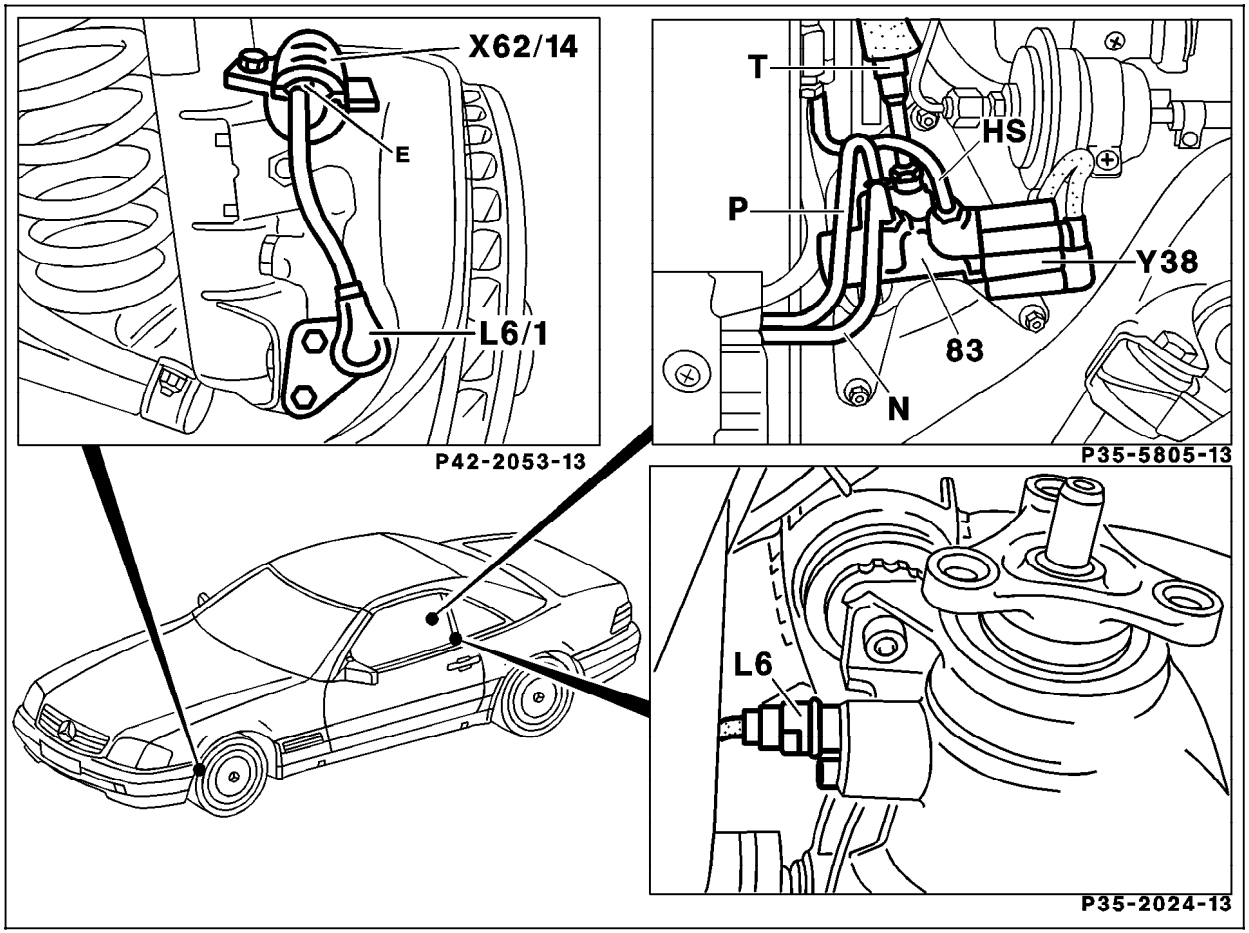


Figure 4

L6	Rear axle vehicle speed sensor
L6/1	Left front axle speed sensor
L6/2	Right front axle speed sensor (mirror image of left shown)
X62/14	Left front wheel vehicle speed sensor connector (axle spindle)
Y38	ASD valve

Electrical Test Program - Component Locations

Electrical Components in Engine Compartment and Passenger Compartment
Model 201

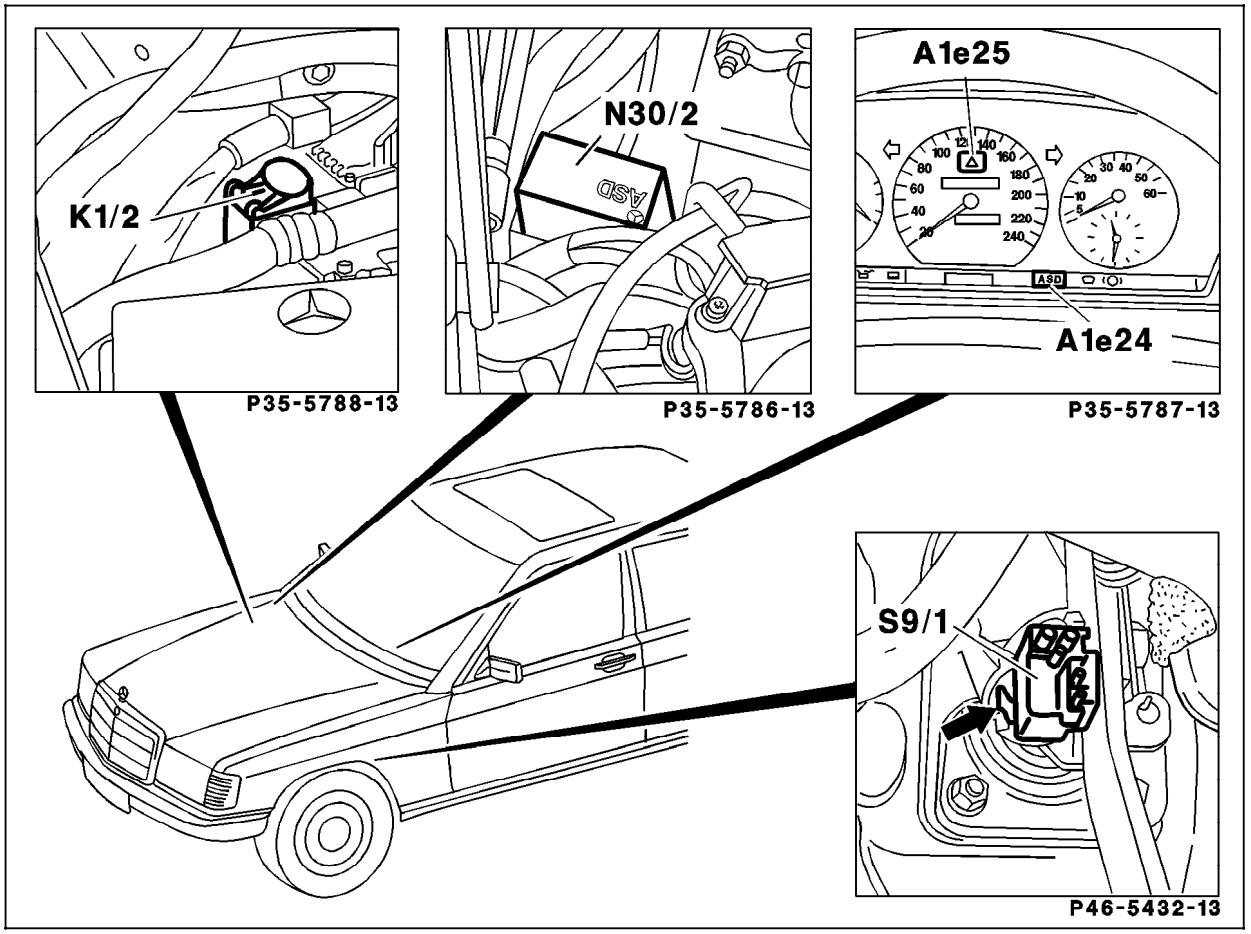


Figure 5

A1e24	ASD malfunction indicator lamp
A1e25	ASD function indicator lamp
K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30/2	ASD control module
S91	Stop lamp switch (4-pole)

Electrical Test Program - Component Locations

Electrical Components in Engine Compartment, Front and Rear axle and ASD Valve Location Model 201

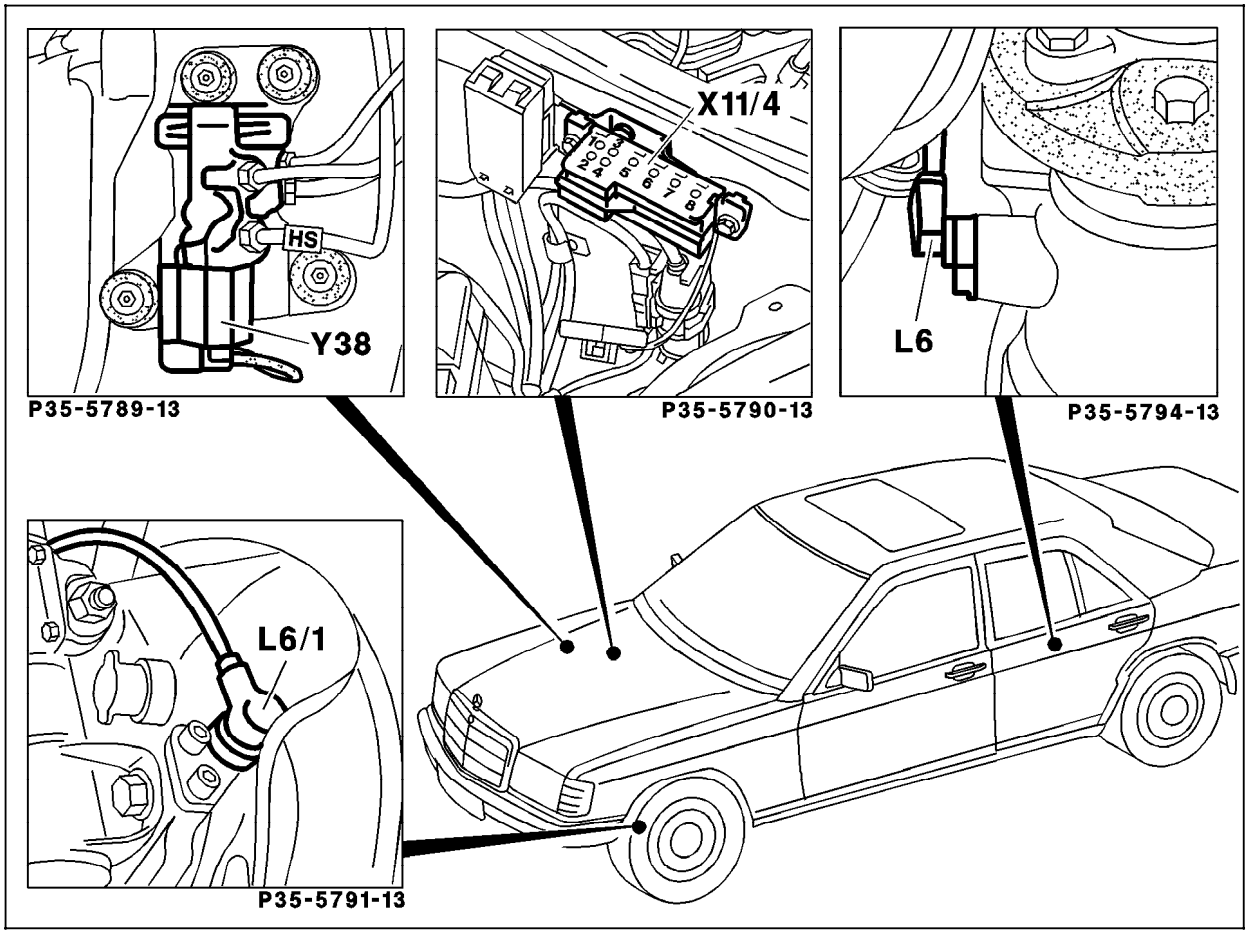


Figure 6

L6	Rear axle speed sensor
L6/1	Left front wheel speed sensor
L6/2	Right front wheel speed sensor (mirror image of left shown)
X11/4	Data link connector, (DTC readout)
Y38	ASD valve

Electrical Test Program - Component Locations

Electrical Components in Engine Compartment, Front Axle and Right Front Foot Well
Model 202

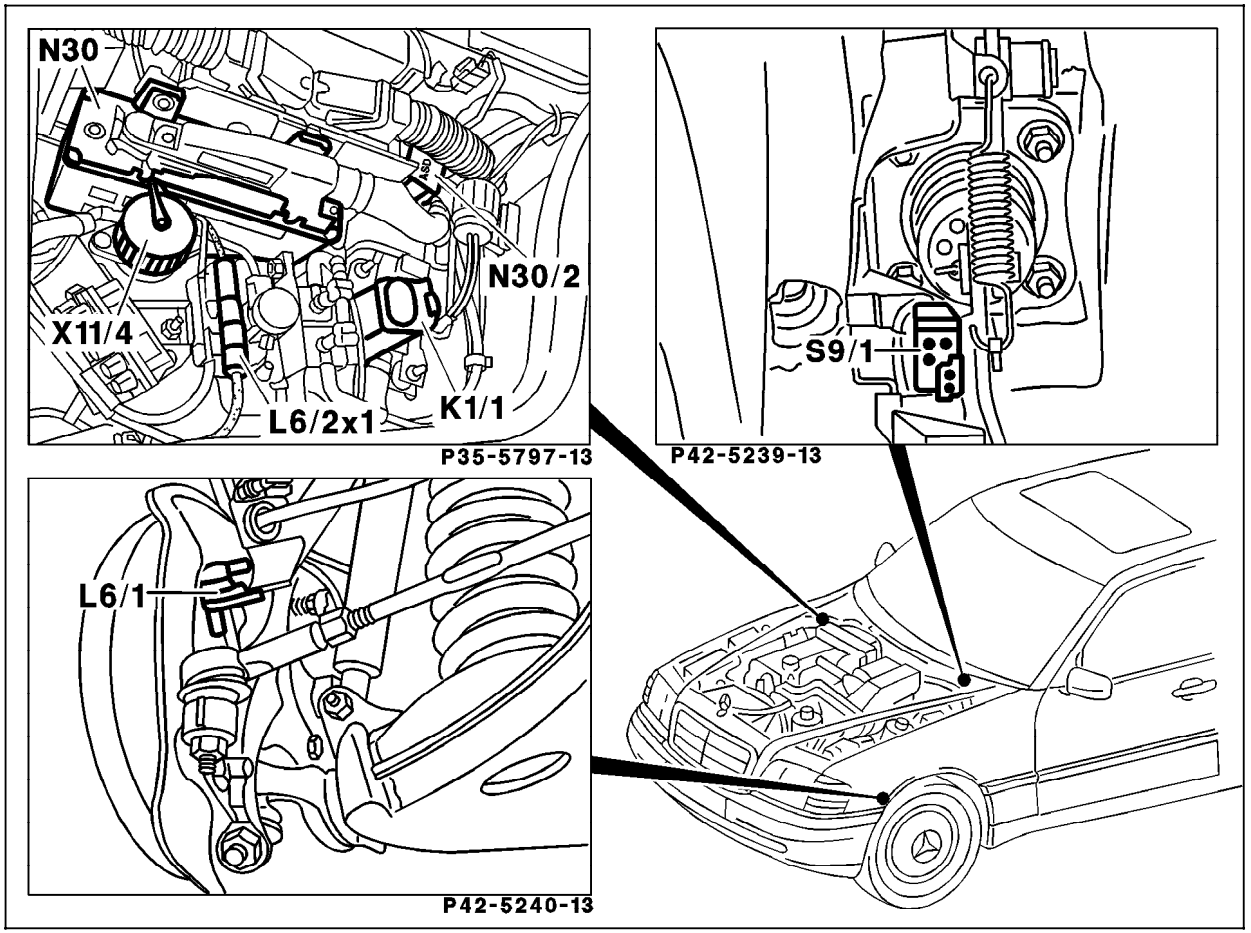


Figure 7

L6/1	Left front wheel speed sensor
L6/2	Right front wheel speed sensor
L6/2x1	Right front wheel speed sensor connector
K1/1	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30	ABS control module
N30/2	ASD control module
S91	Stop lamp switch (4-pole)
X11/4	Data link connector, 38-pole (DTC readout)

Electrical Test Program - Component Locations

Electrical Components in Instrument Cluster and ASD Valve Layout
Model 202

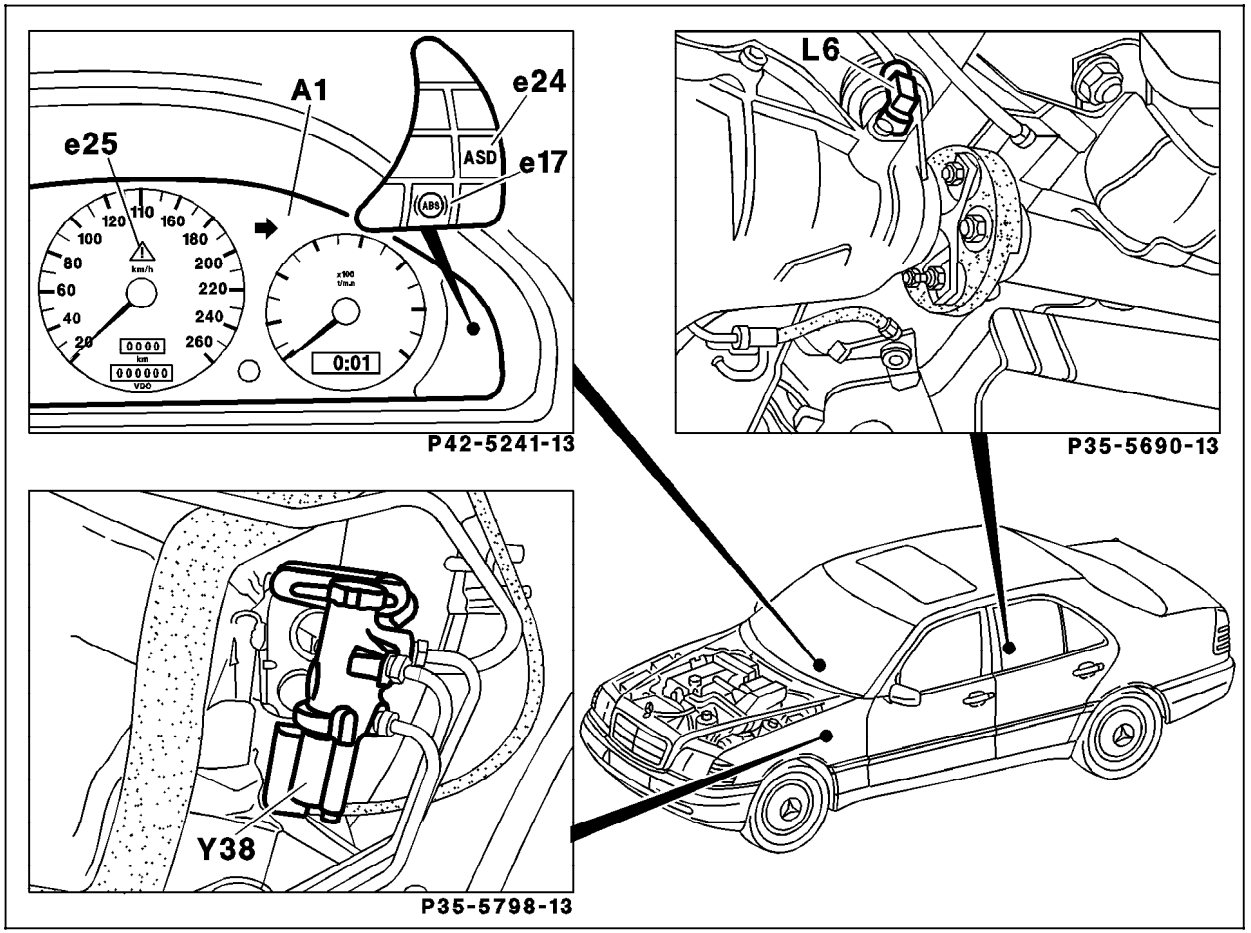


Figure 8

A1	Instrument cluster
A1e17	ABS malfunction indicator lamp
A1e24	ASD malfunction indicator lamp
A1e25	ASD function indicator lamp
L6	Rear axle vehicle speed sensor
Y38	ASD valve

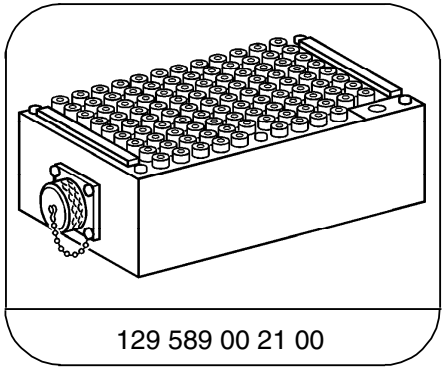
Electrical Test Program - Preparation for Test

Preliminary work:
Diagnosis - Diagnostic Trouble Code (DTC) Memory 11

1. Ignition: **OFF**
2. Remove plastic cover.
3. Remove ASD control module.
3. Connect socket box with test cable according to connection diagram (Figures 1-5).

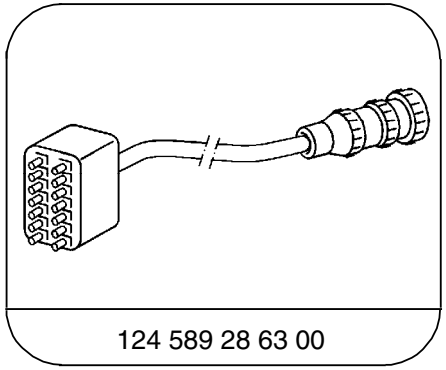
Electrical Wiring Diagrams:
Electrical Troubleshooting Manual, Model 124,
Electrical Troubleshooting Manual, Model 129,
Electrical Troubleshooting Manual, Model 201,
Electrical Troubleshooting Manual, Model 202.

Special Tools



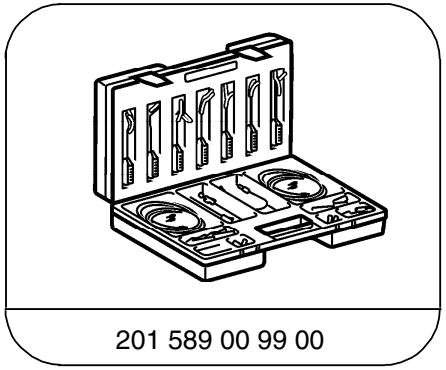
129 589 00 21 00

126-pin socket box



124 589 28 63 00

Test cable



201 589 00 99 00

Electrical connecting set

Equipment

Multimeter [1)]	Fluke models 23, 83, 85, 87

1) Available through the MBUSA Standard Equipment Program.

Electrical Test Program - Preparation for Test

Connection Diagram - Socket Box
Model 124 (up to 09/92 production)

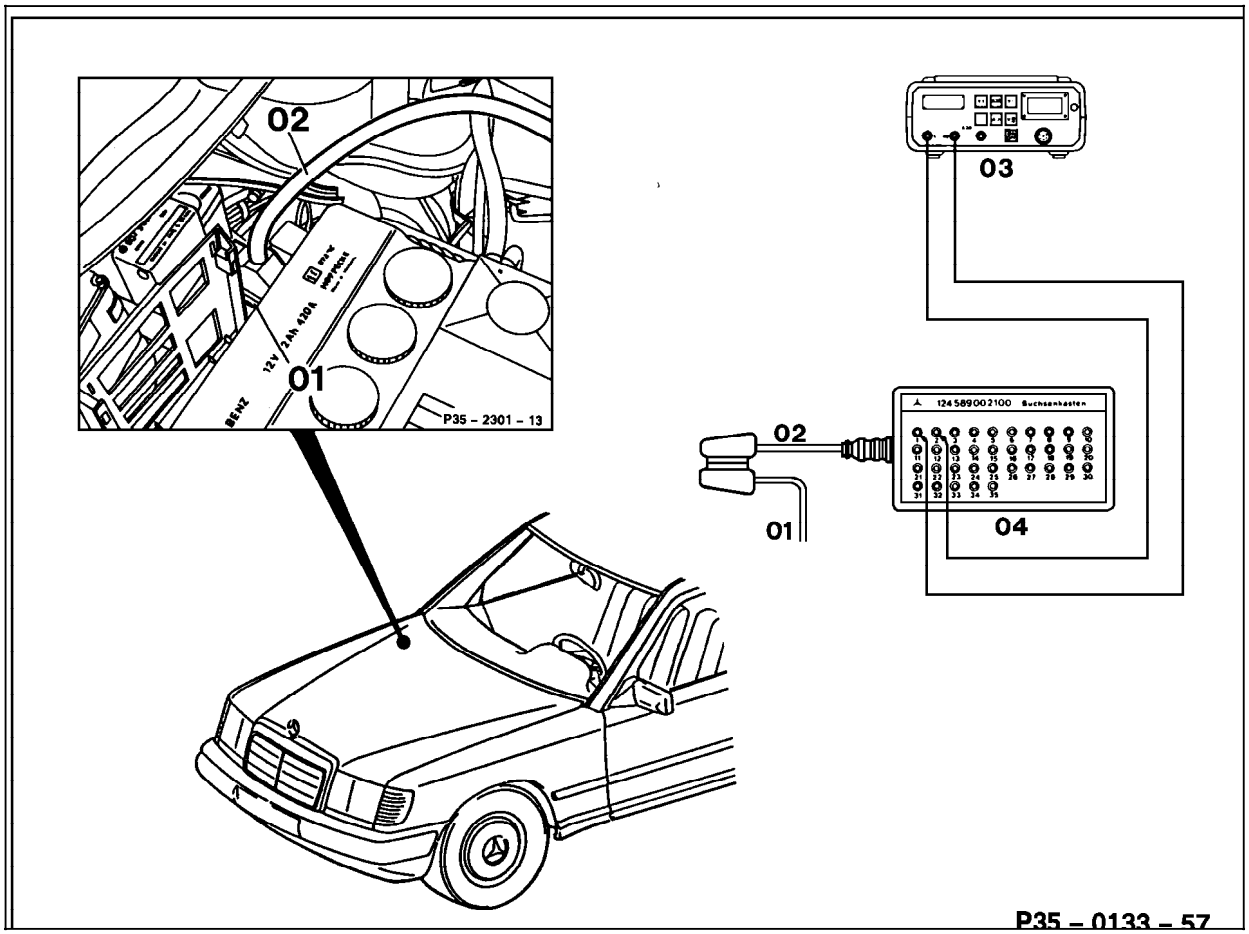


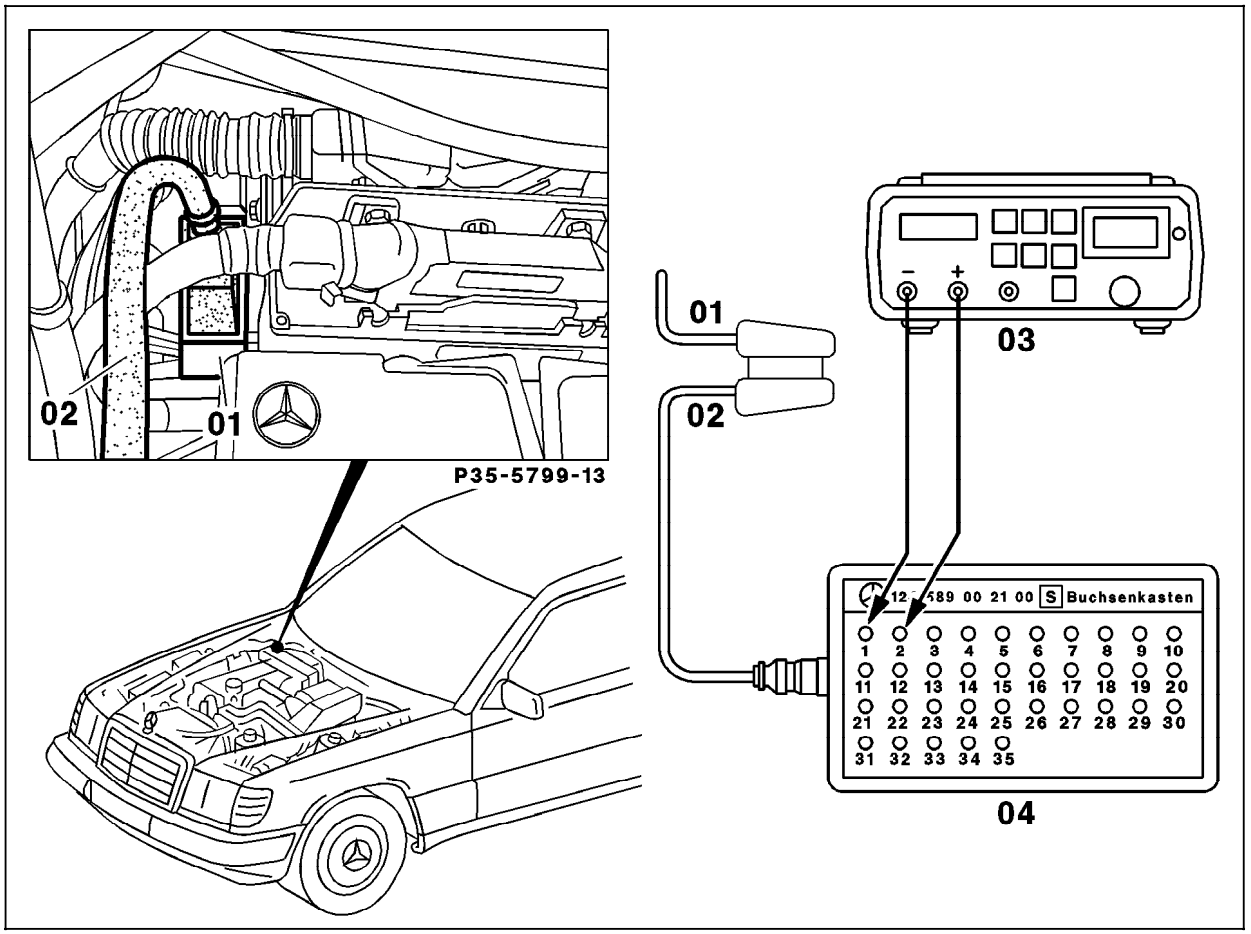
Figure 1

01	ASD control module connector
02	Test cable
03	Multimeter
04	Socket box

P35-0133-57

Electrical Test Program - Preparation for Test

Connection Diagram - Socket Box
Model 124 (as of 10/92 production)



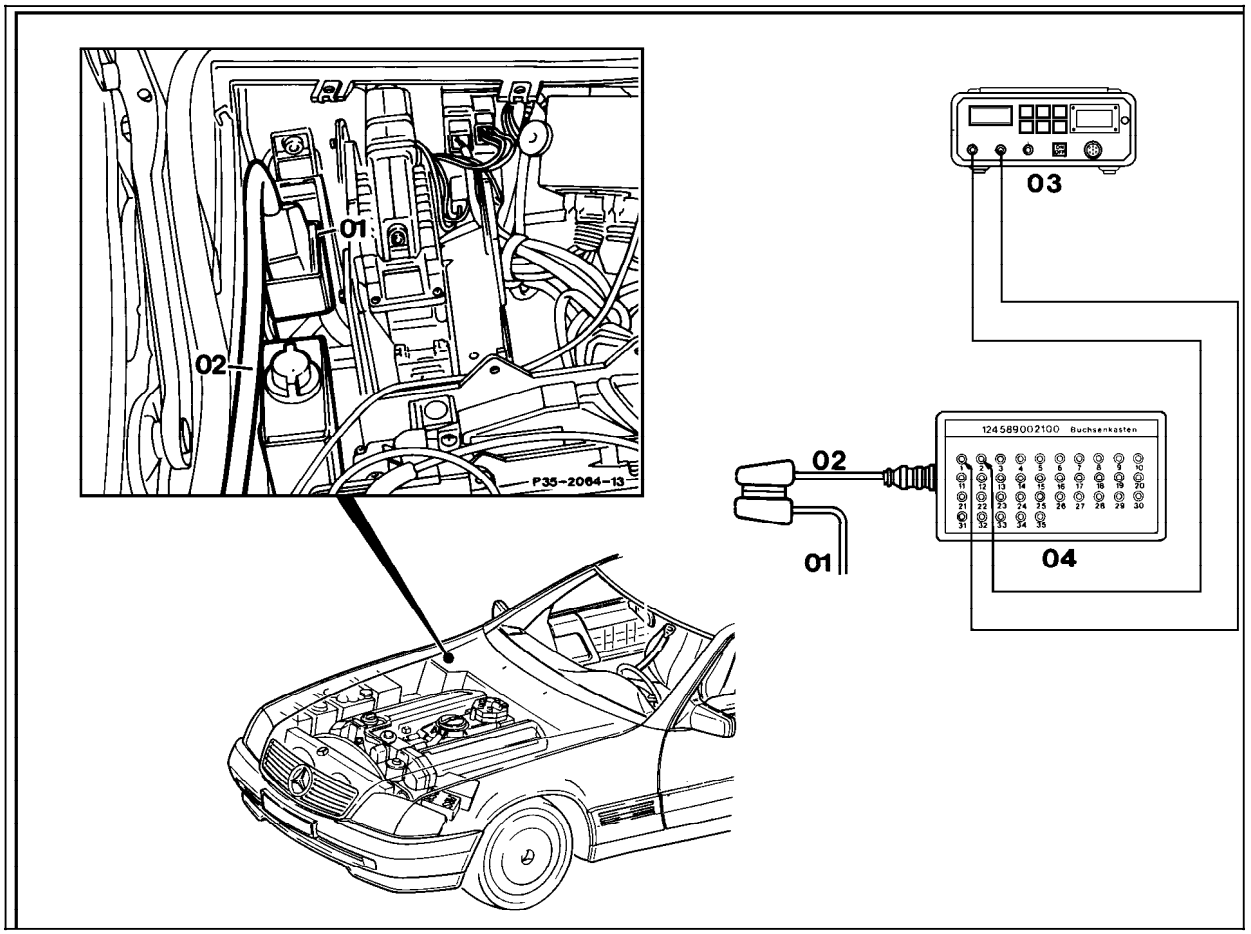
P35-5780-57

Figure 2

01	ASD control module connector
02	Test cable
03	Multimeter
04	Socket box

Electrical Test Program - Preparation for Test

Connection Diagram - Socket Box
Model 129



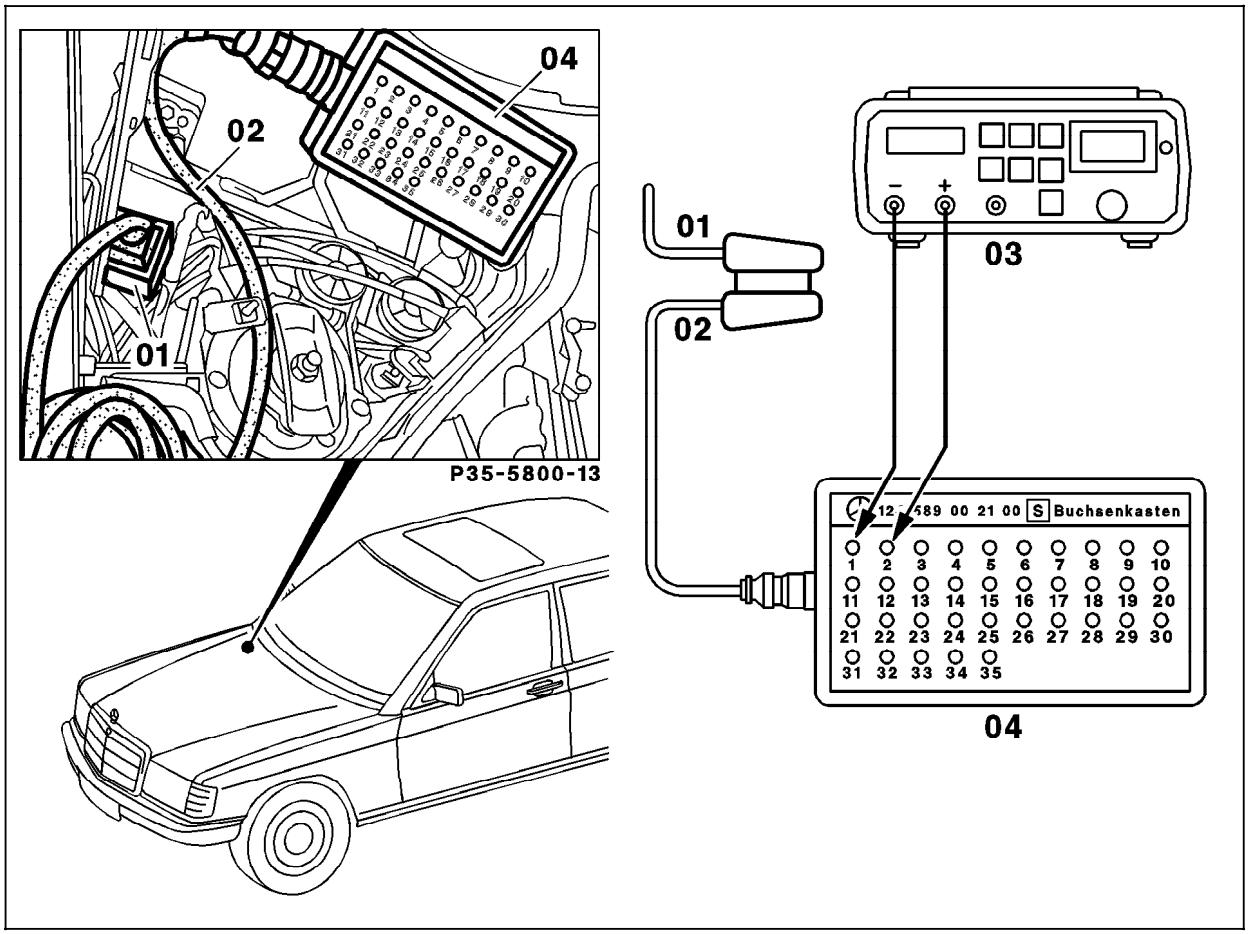
P35-0042-57

Figure 3

01	ASD control module connector
02	Test cable
03	Multimeter
04	Socket box

Electrical Test Program - Preparation for Test

Connection Diagram - Socket Box
Model 201



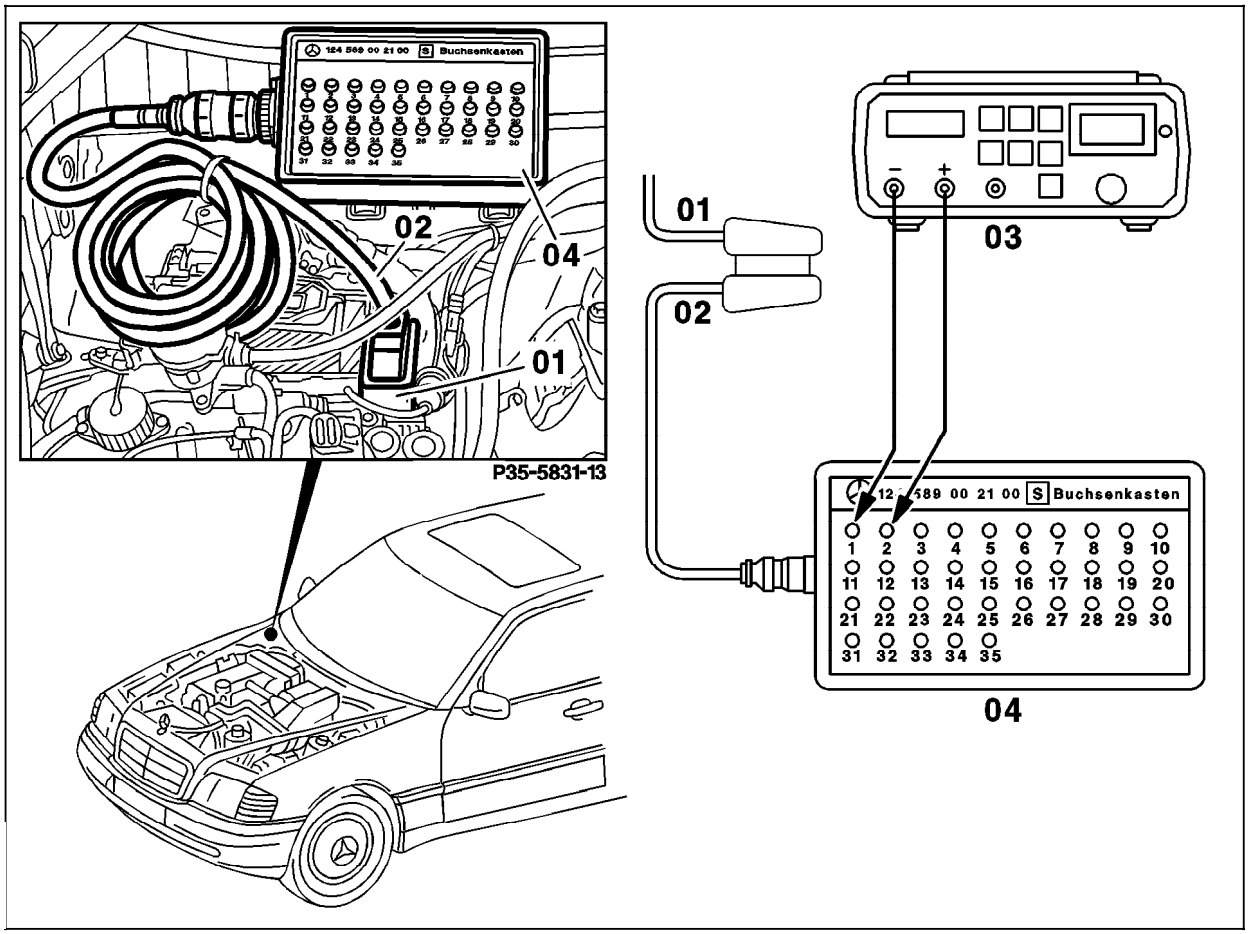
P35-5781-57

Figure 4

01	ASD control module connector
02	Test cable
03	Multimeter
04	Socket box

Electrical Test Program - Preparation for Test

Connection Diagram - Socket Box
Model 202



P35-5783-57

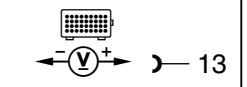
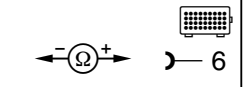
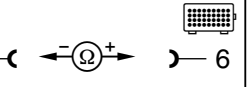
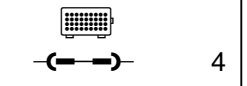
Figure 5

01	ASD control module connector
02	Test cable
03	Multimeter
04	Socket box

Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	**ASD control module (N30/2)** Voltage supply Circuit 87 E	N30/2 8 — (V) — 14	Ignition: **ON**	11 – 14 V	⇒ 1.1
⇒ 1.1	Voltage supply from overvoltage protection relay module (K1/1 or K1/2)	N30/2 ⊥ — (V) — 14	Ignition: **ON**	11 – 14 V	Fuse in K1/2, Wiring, K1/2, ⇒ 1.2
⇒ 1.2	Ground wire	**Models 124, 201** N30/2 W10 — (Ω) — 8 **Models 129, 202** N30/2 W16 — (Ω) — 8 W16/4	Ignition: **OFF**	< 1 Ω	Wiring, **Models 124, 201** Ground (battery) (W10). **Model 129** Ground (component compartment) (W16). **Model 202** Ground (component compartment, right) (W16/4).

Electrical Test Program - Test

Test step **DTC**	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 2.0	**Circuit 61 voltage**	N30/2  8 — 13	Ignition: **ON** Engine: **Start**	< 1.5 V 11 – 14 V	Wiring, Generator (G2).
⇒ 3.0	**Diagnosis output**	**X11/4 8-pole/16-pole** N30/2  5 — 6 **X11/4 38-pole** N30/2  26 — 6	Engine: **OFF**	< 1 Ω	Wiring, Data link connector (X11/4).
⇒ 4.0	**ASD warning lamp (A1e25)**	N30/2  8 — 4	Ignition: **ON**	A1e25: **ON**	Wiring, A1e25, DM, Body & Accessories, Vol. 1, section 1.4, 23.

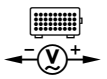
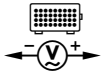
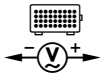
Electrical Test Program - Test

Test step **DTC**	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	**ASD MIL (A1e24)**	**Models 124, 129, 201** N30/2  8 — 2	Ignition: **ON** Bridge sockets 8 and 2.	 A1e24: **ON**	Wiring, A1e24. Wiring.
		Model 202 N30/2  8 — 2	Ignition: **ON** Bridge sockets 8 and 2.	A1e24: lamp goes **out** after 30 seconds. A1e24: **ON**	Wiring, A1e24, DM, Body & Accessories, Vol. 1, section 1.4, 23.
⇒ 6.0	**Stop lamp switch (S9/1)** N.O. contact	N30/2  8 — 11	Ignition: **OFF** Brake pedal not depressed. Depress brake pedal.	 < 1 V 11 – 14 V	Fuse in overvoltage protection relay module (K1/2), Wiring, S9/1.

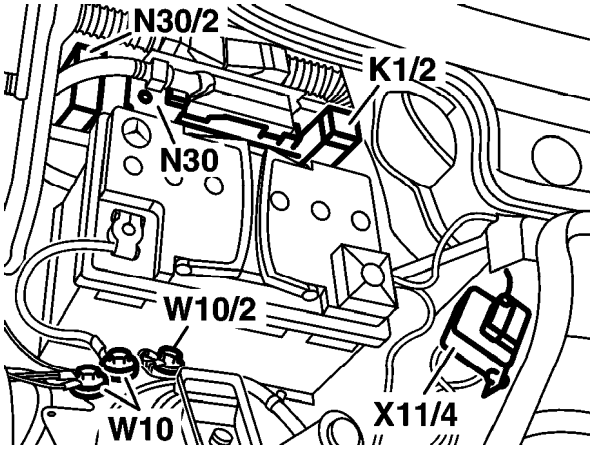
Electrical Test Program - Test

Test step / DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 7.0	**Stop lamp switch (S9/1)** N.C. contact	N30/2 8 — V — 10	Ignition: **ON** Brake pedal not depressed. Depress brake pedal.	11 – 14 V < 1 V	Wiring, S9/1, ⇒ 8.0
⇒ 8.0	**ASD solenoid valve (Y38)** Function	N30/2 8 — — 10	Ignition: **ON** Depress brake pedal.	ASD valve switches on. ASD valve switches off.	⇒ 8.1, Wiring.
⇒ 8.1	Coil resistance	Y38x1 1 — Ω — 2	Ignition: **OFF** Brake pedal not depressed.	5 – 7 Ω.	Wiring, Y38.

Electrical Test Program - Test

Test step / DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 9.0 **DTC 57**	**Right front axle VSS sensor (L6/2)**	N30/2  8 — 3	Raise front of vehicle. Ignition: **ON** Rotate right front wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.
⇒ 10.0 **DTC 47**	**Left front axle VSS sensor (L6/1)**	N30/2  8 — 5	Raise front of vehicle. Ignition: **ON** Rotate left front wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.
⇒ 11.0 **DTC 67**	**Rear axle VSS sensor (L6)**	N30/2  8 — 1	Raise rear of vehicle. Selector lever in: **N** Ignition: **ON** Rotate a rear wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.

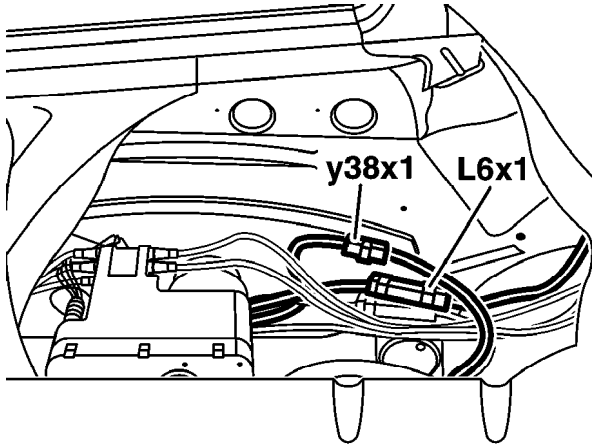
Electrical Test Program - Test



P35-5771-13

Figure 1
Model 124 Right component compartment (as of 10/92)

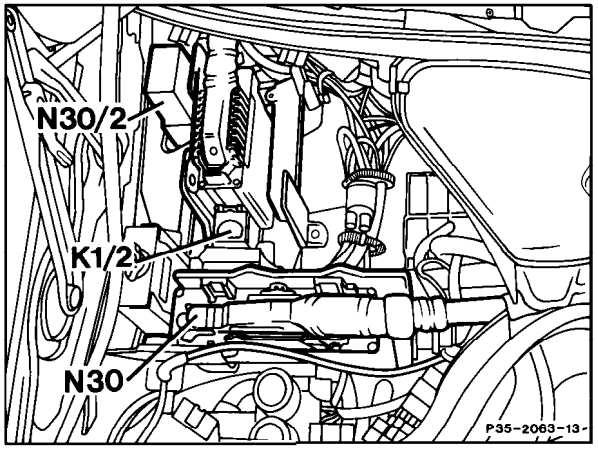
K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30	ABS control module
N30/2	ASD control module
W10	Ground (battery)
W10/2	Ground (electronics)
X11/4	Data link connector (DTC readout)



P35-5772-13

Figure 2
Model 124 Right rear passenger compartment

L6x1	Rear axle VSS sensor connector
Y38x1	ASD solenoid valve connector

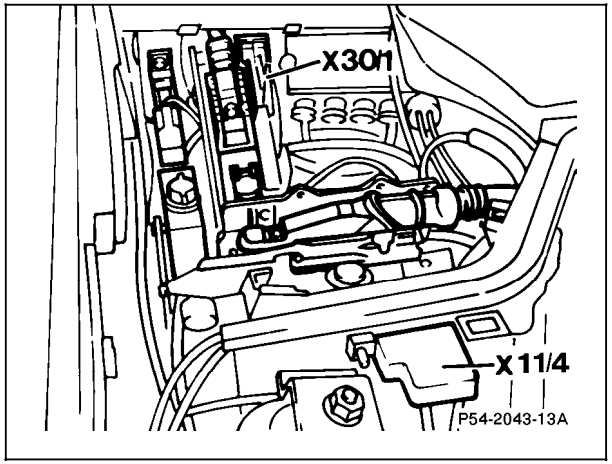


P35-2063-13

Figure 3
Model 129

K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30	ABS control module
N30/2	ASD control module

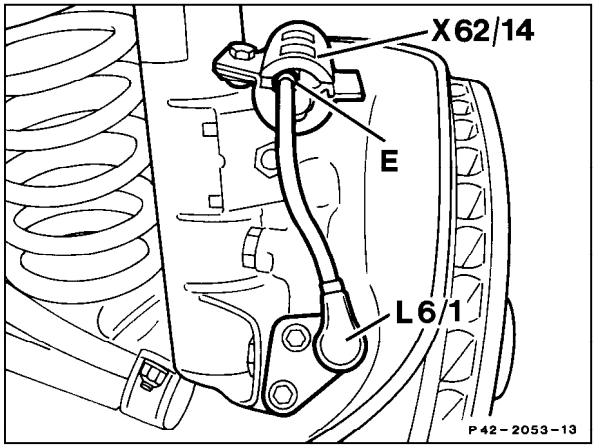
Electrical Test Program - Test



P54-2043-13A

Figure 4
Model 129

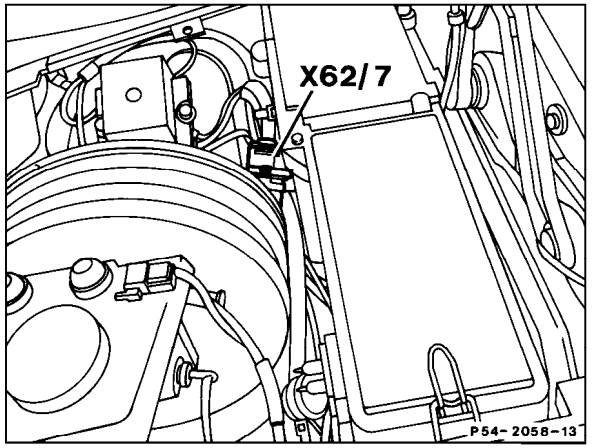
X30/1 Multi-function connector block
X11/4 Data link connector (DTC readout)



P42-2053-13

Figure 5
Model 129

L6/1 Left front axle VSS sensor
L6/2 Right front axle VSS sensor
X62/14 Left front axle VSS sensor connector (axle spindle)
X62/15 Right front axle VSS sensor connector (axle spindle)

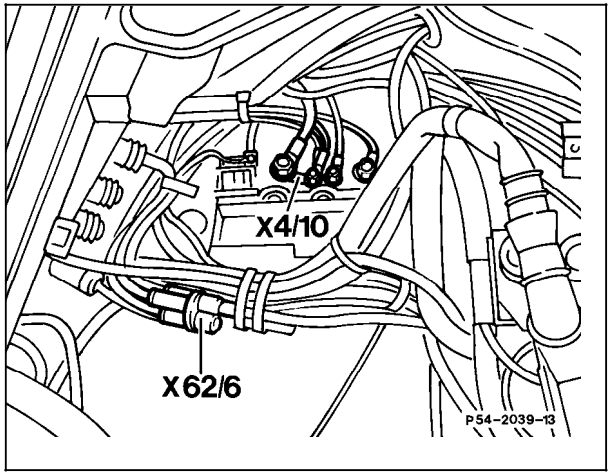


P54-2058-13

Figure 6
Model 129

X62/7 Left front axle VSS sensor connector (component compartment)

Electrical Test Program - Test



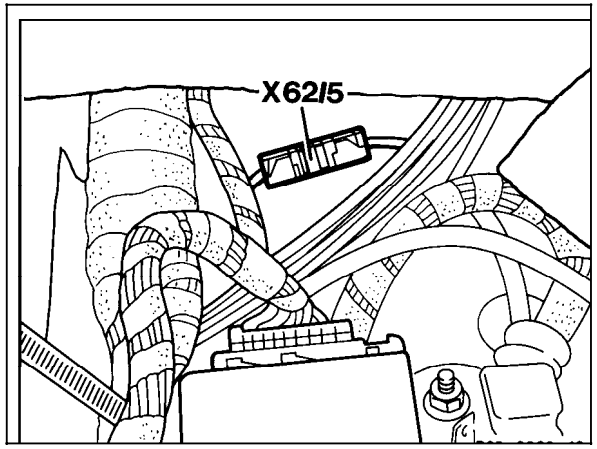
P54-2039-13

Figure 7

Model 129

X4/10 Terminal block (circuit 30/circuit 61 battery) (3-pole)

X62/6 Right front axle VSS sensor connector (component compartment)

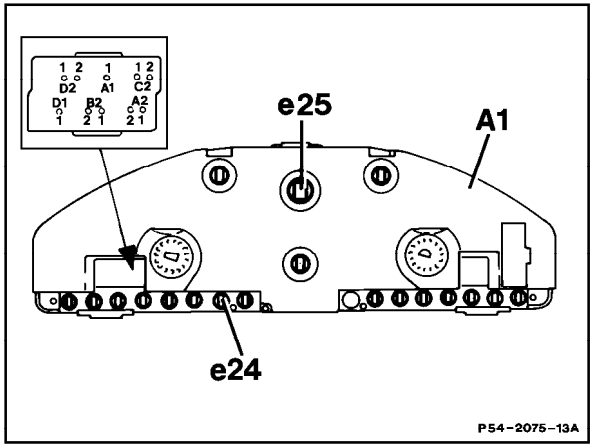


P35-2003-13

Figure 8

Model 129

X62/5 Valve connector (ASD) (2-pole)



P54-2075-13A

Figure 9

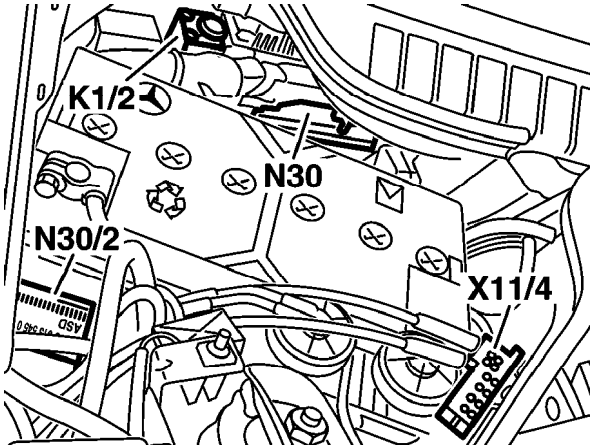
Model 129

A1 Instrument cluster

A1e24 ASD MIL

A1e25 ASD warning lamp

Electrical Test Program - Test

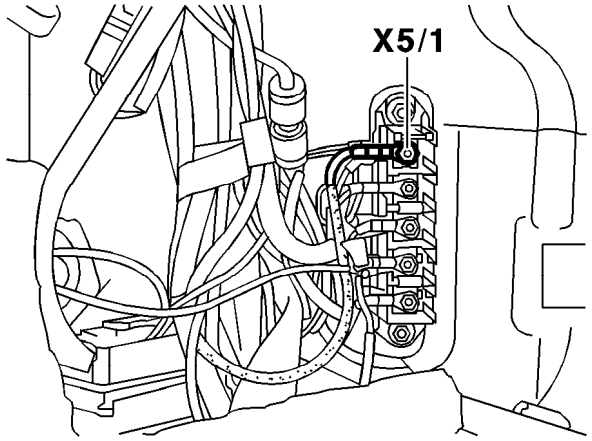


P35-5773-13

Figure 10

Model 201 Right component compartment

K1/2	Overvoltage protection relay module (87E/87L/30a, 9-pole)
N30	ABS control module
N30/2	ASD control module
X11/4	Data link connector (DTC readout)

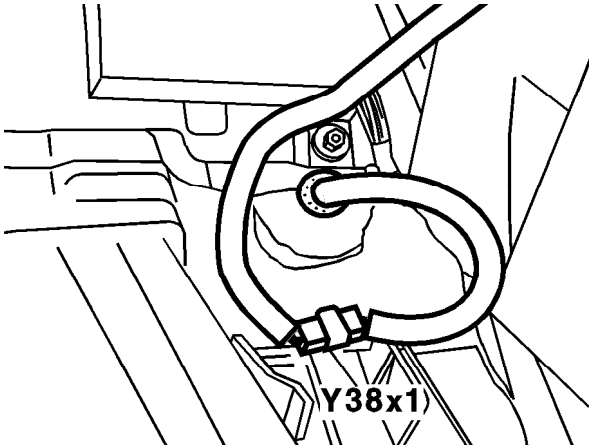


P35-5808-13

Figure 11

Model 201 Left footwell

X5/1	Terminal block (interior)



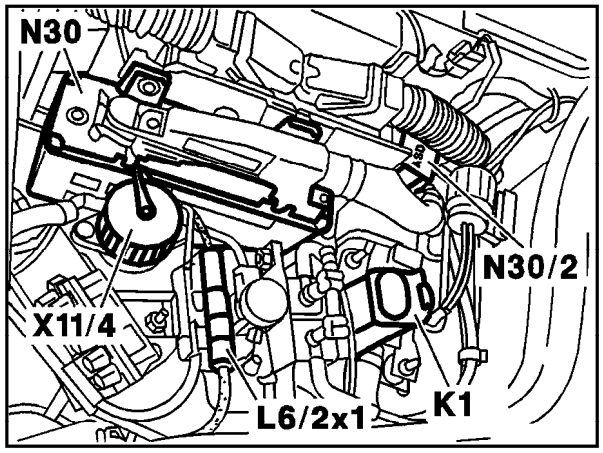
P35-5802-13

Figure 12

Model 201 Right footwell

Y38x1	ASD solenoid valve connector

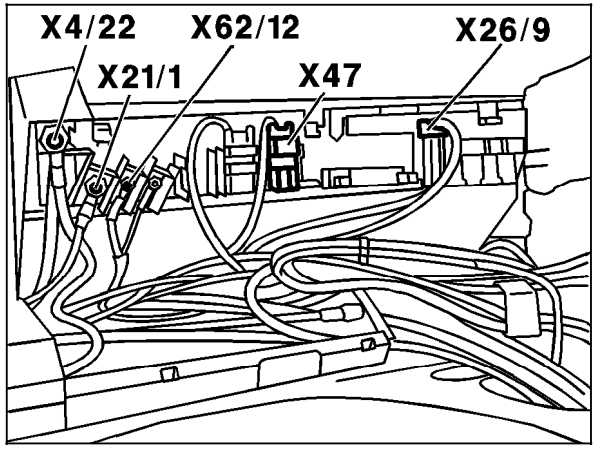
Electrical Test Program - Test



U35-5797-13

Figure 13
Model 202 Right component compartment

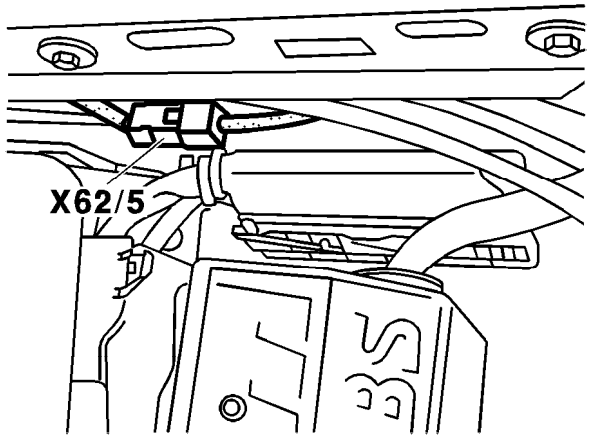
K1	Overvoltage protection relay module
L6/2x1	Right front axle VSS sensor connector
N30	ABS control module
N30/2	ASD control module
X11/4	Data link connector (DTC readout)



P35-5801-13

Figure 14
Model 202 Right footwell

X4/22	Terminal block (circuit 30Z) (1-pole)
X21/1	Terminal block (stop lamp switch)
X26/9	Interior/systems connector
X47	Rear axle VSS sensor harness connector (2-pole) (right footwell)
X62/12	Terminal block (front VSS) (1-pole)

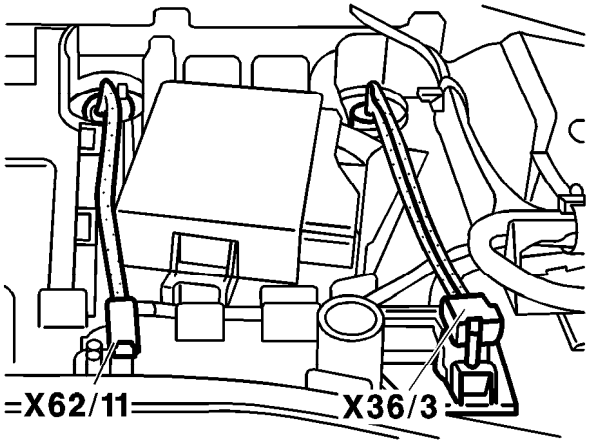


P35-5814-13

Figure 15
Model 202 Engine compartment/right wheel arch

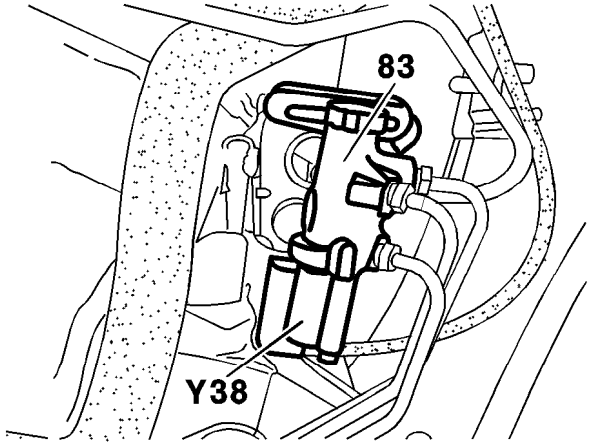
X62/5	Valve connector (ASD) (2-pole)

Electrical Test Program - Test



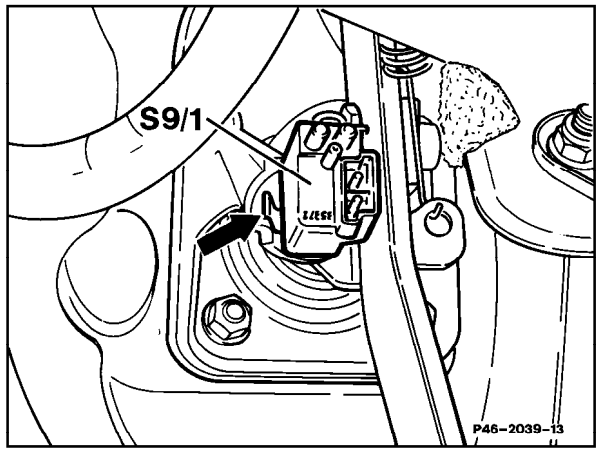
P35-5770-13

Figure 16
Model 202 Trunk
X36/3 FP harness connector (2-pole)
X62/11 ABS rear axle VSS sensor (2-pole)



P35-5798-13

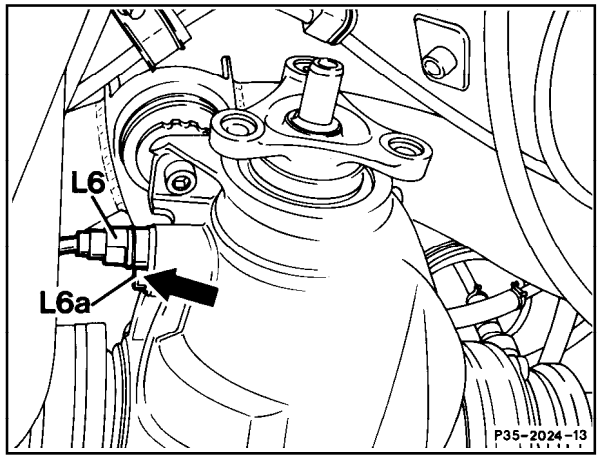
Figure 17
Model 202 Left front wheel arch
Y38 ASD solenoid valve



P46-2039-13

Figure 18
Pedal assembly, all models
S9/1 Stop lamp switch (4-pole)

Electrical Test Program - Test

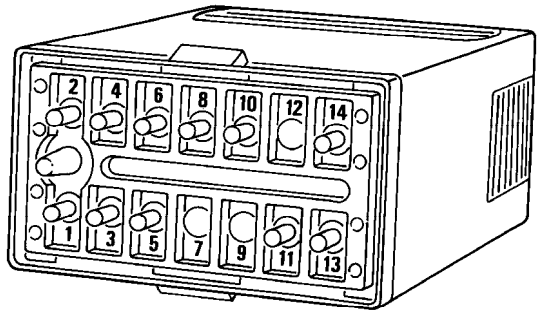


P35-2024-13

Figure 19

Rear axle center piece, all models

L6 Rear axle VSS sensor
L6a Rear axle VSS sensor mounting screw



P35-5537-13

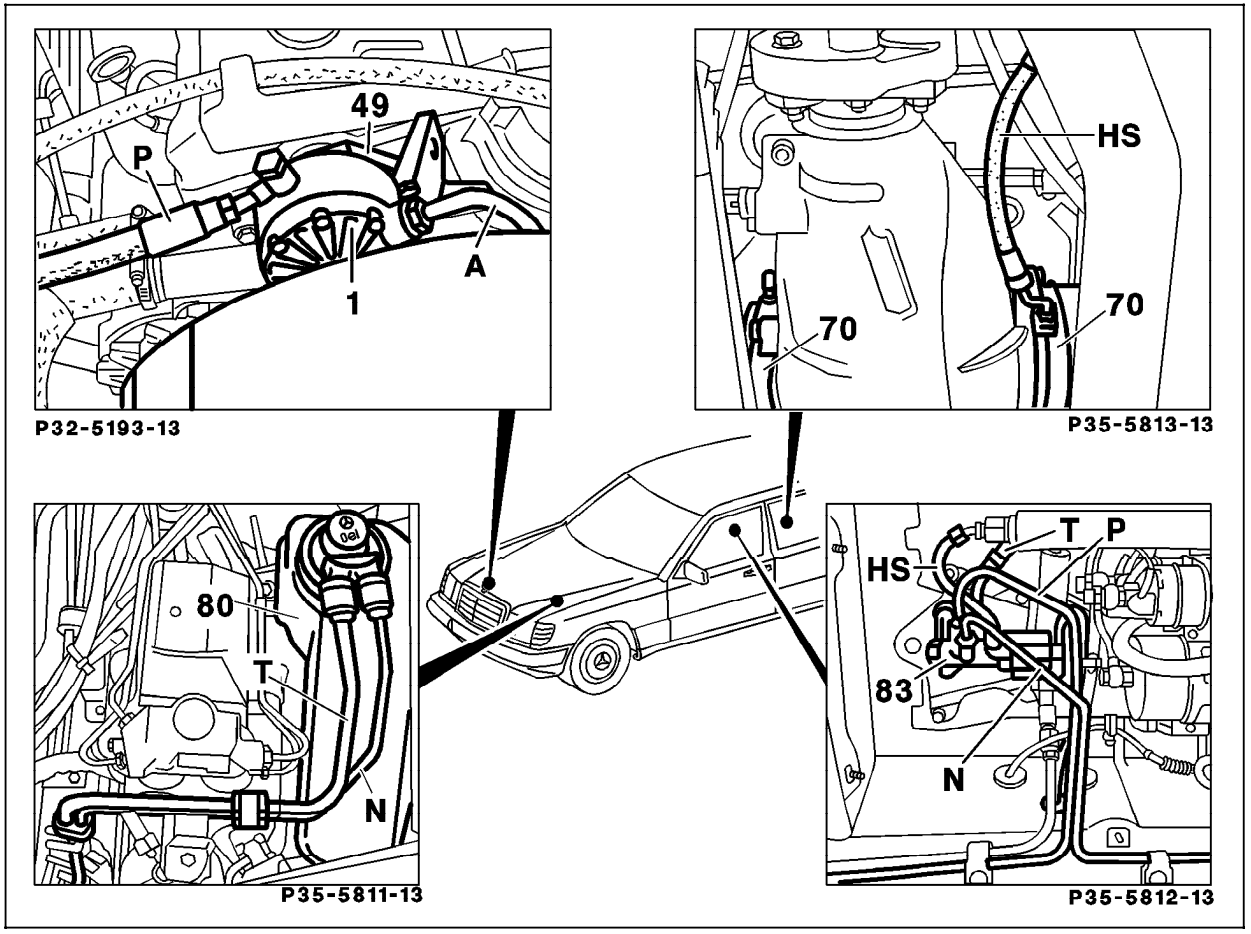
Figure 20

ASD control module (N30/2) connections

1 Rear axle VSS sensor (L6)
2 ASD MIL (A1e24)
3 Right front axle VSS sensor (L6/2)
4 ASD warning lamp (A1e25)
5 Left front axle VSS sensor (L6/1)
6 Data link connector (X11/4)
7 Not used
8 Ground
Model 124: W10
Model 129: W16
Model 201: W10
Model 202: W16/4
9 Not used
10 ASD solenoid valve (Y38) (-)
11 Stop lamp switch (S9/1), N.O. contact
12 Not used
13 Circuit 61 voltage
14 Stop lamp switch (S9/1), N.C. contact and Circuit 87e voltage

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 124 with engine 602



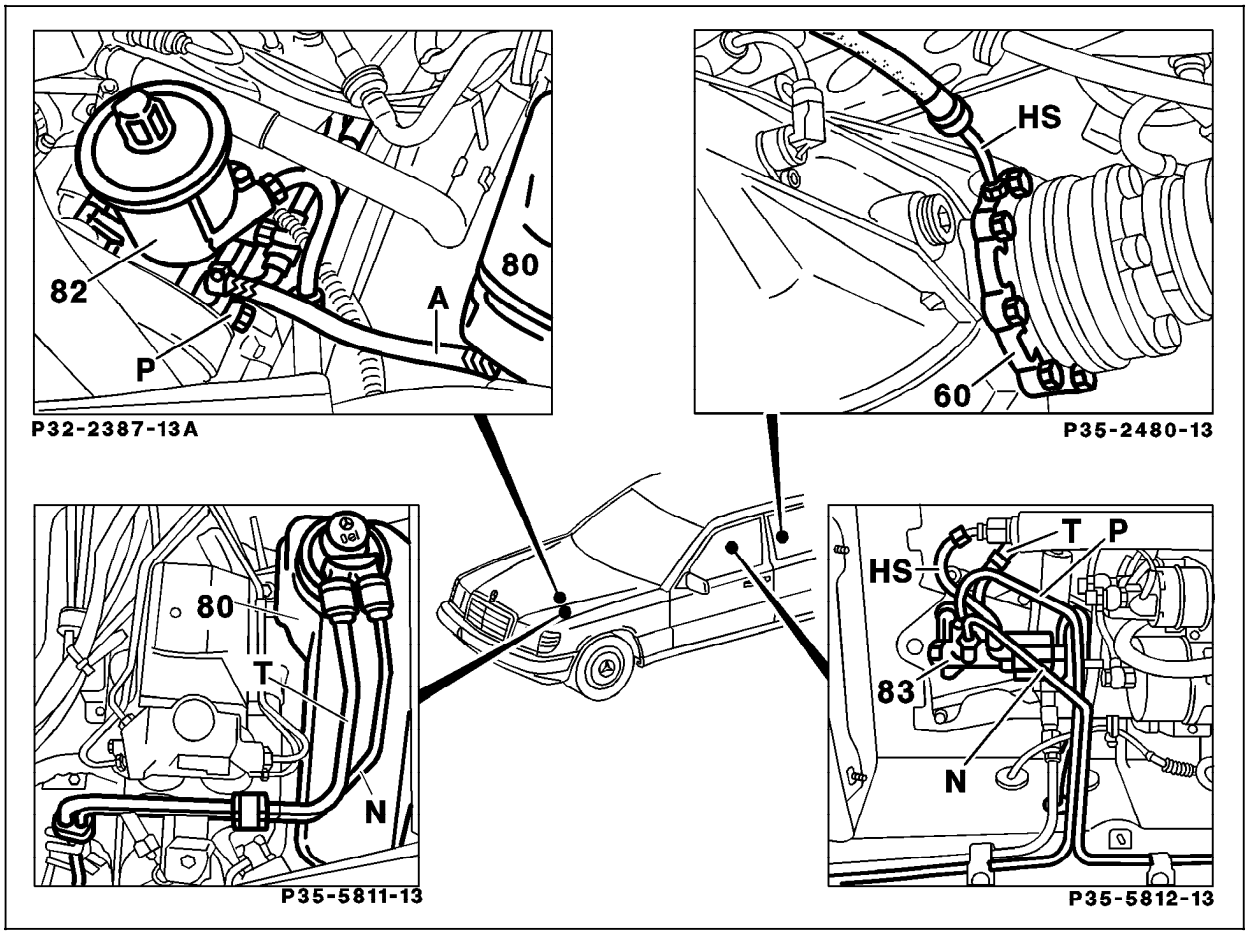
P35-5817-57

Figure 1

1	Hydraulic oil pump (camshaft driven)
70	Ring cylinder
80	Oil reservoir
83	Hydraulic unit without pressure reservoir
A	Suction line-from oil reservoir to pressure pump
HS	Pressure line from hydraulic unit to ring cylinder
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveling function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 124 with engines 104, 602.962



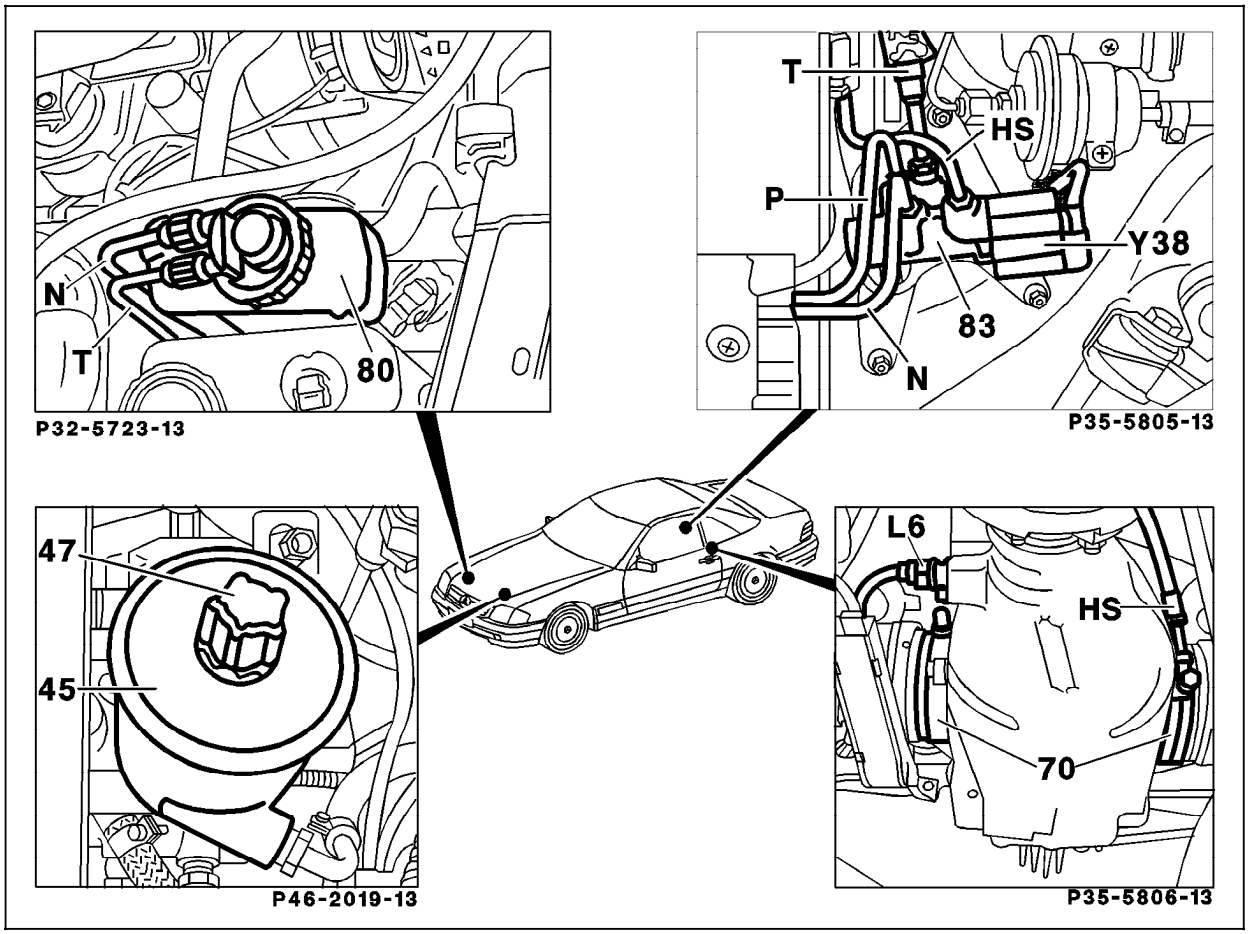
P35-5818-57

Figure 2

60	Bearing cover plate with ring cylinder (M104)
80	Hydraulic oil reservoir
82	Hydraulic tandem pump
83	Hydraulic unit without pressure reservoir
A	Suction line - oil reservoir to pressure pump
HS	Pressure line - hydraulic unit to ring cylinder
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveing function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 129.061



P35-5819-57

Figure 3

45	Tandem pump
70	Ring cylinder
80	Oil reservoir
83	Hydraulic unit without pressure reservoir
L6	Rear axle vehicle speed sensor
Y38	ASD valve
HS	Pressure line - hydraulic unit to ring cylinder
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveing function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 201 with engine 102

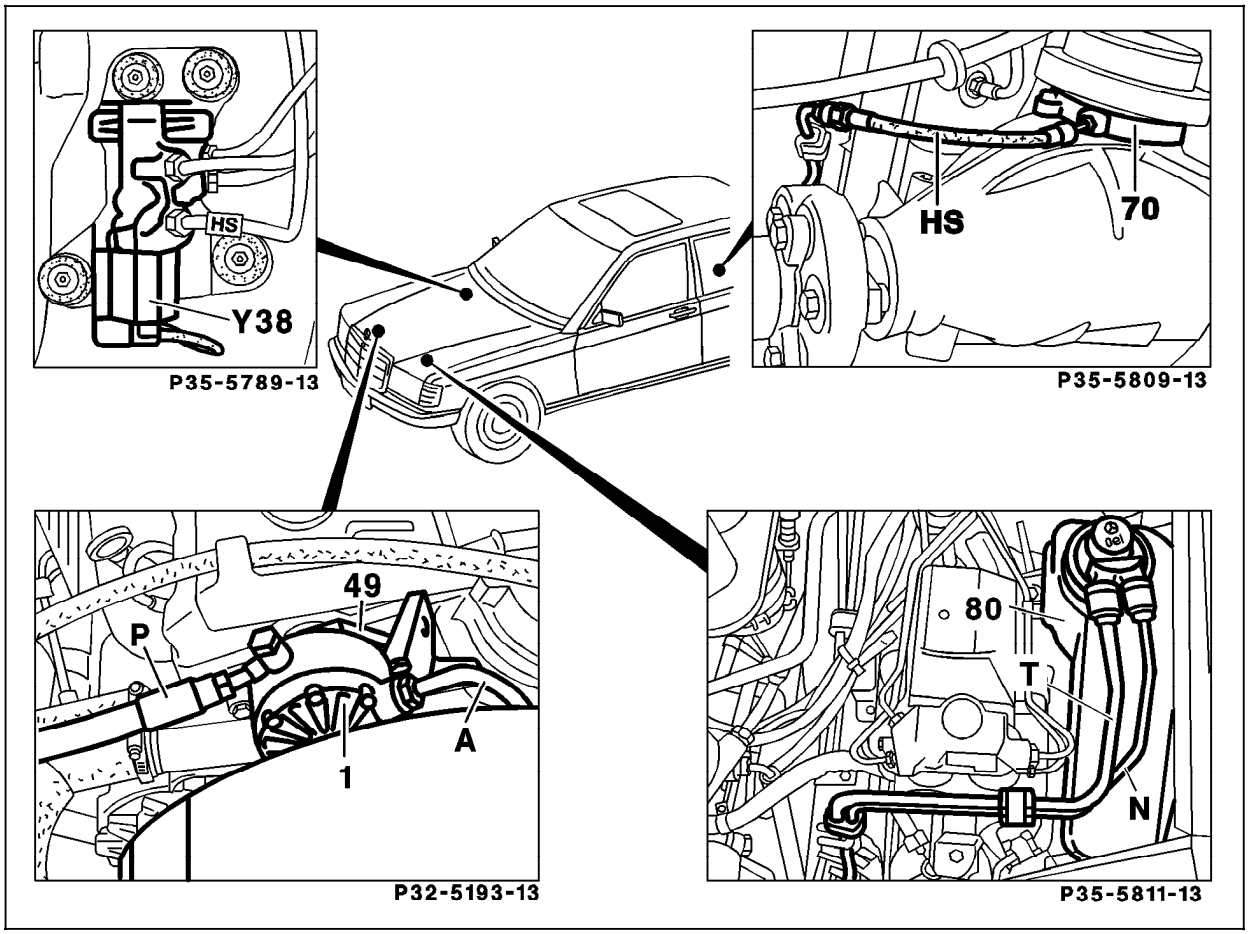


Figure 4

1	Hydraulic oil pump (camshaft driven)
70	Ring cylinder
80	Oil reservoir
83	Hydraulic unit without pressure reservoir
A	Suction line - oil reservoir to pressure pump
HS	Pressure line - hydraulic unit to ring cylinder
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveing function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 201 with engine 103

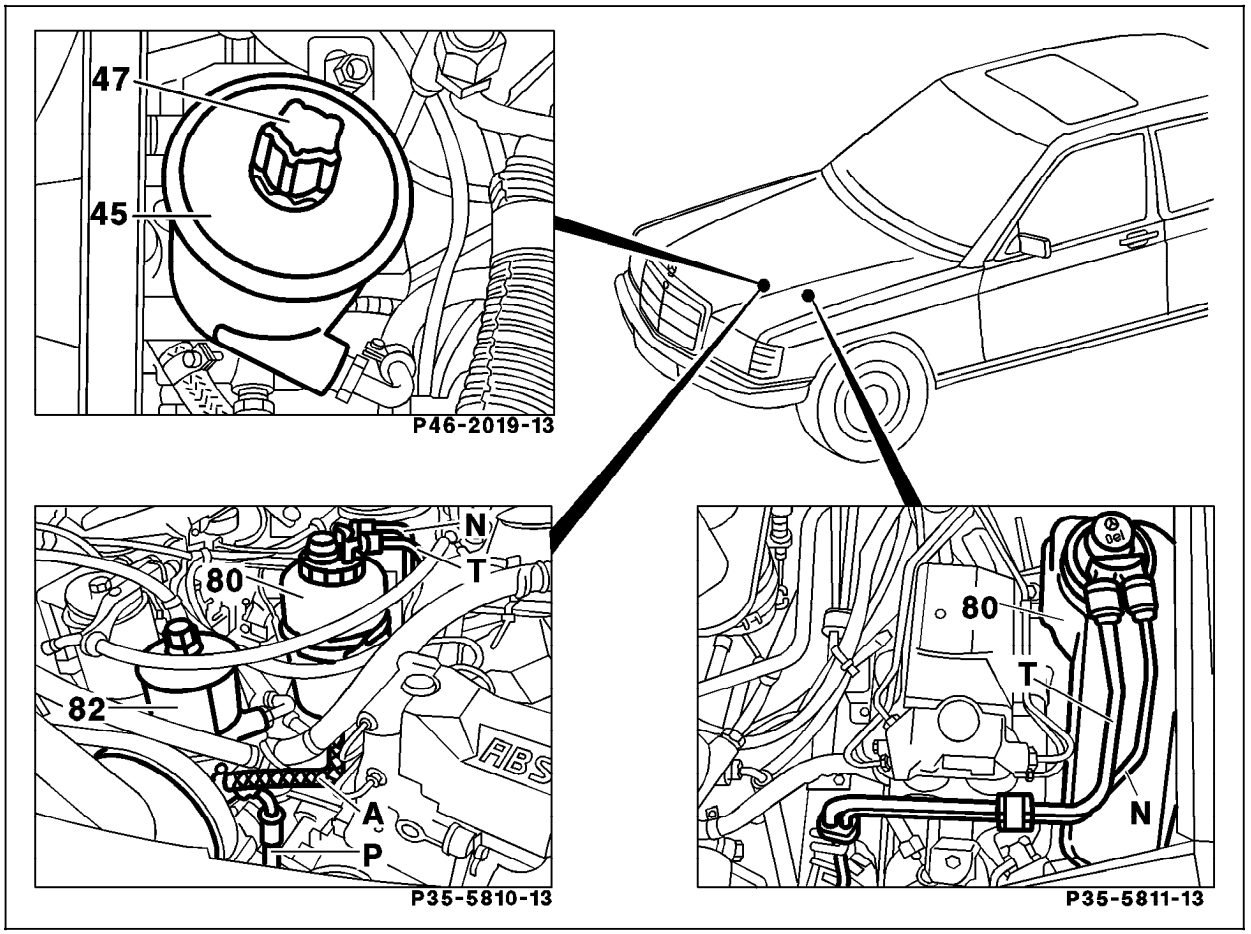
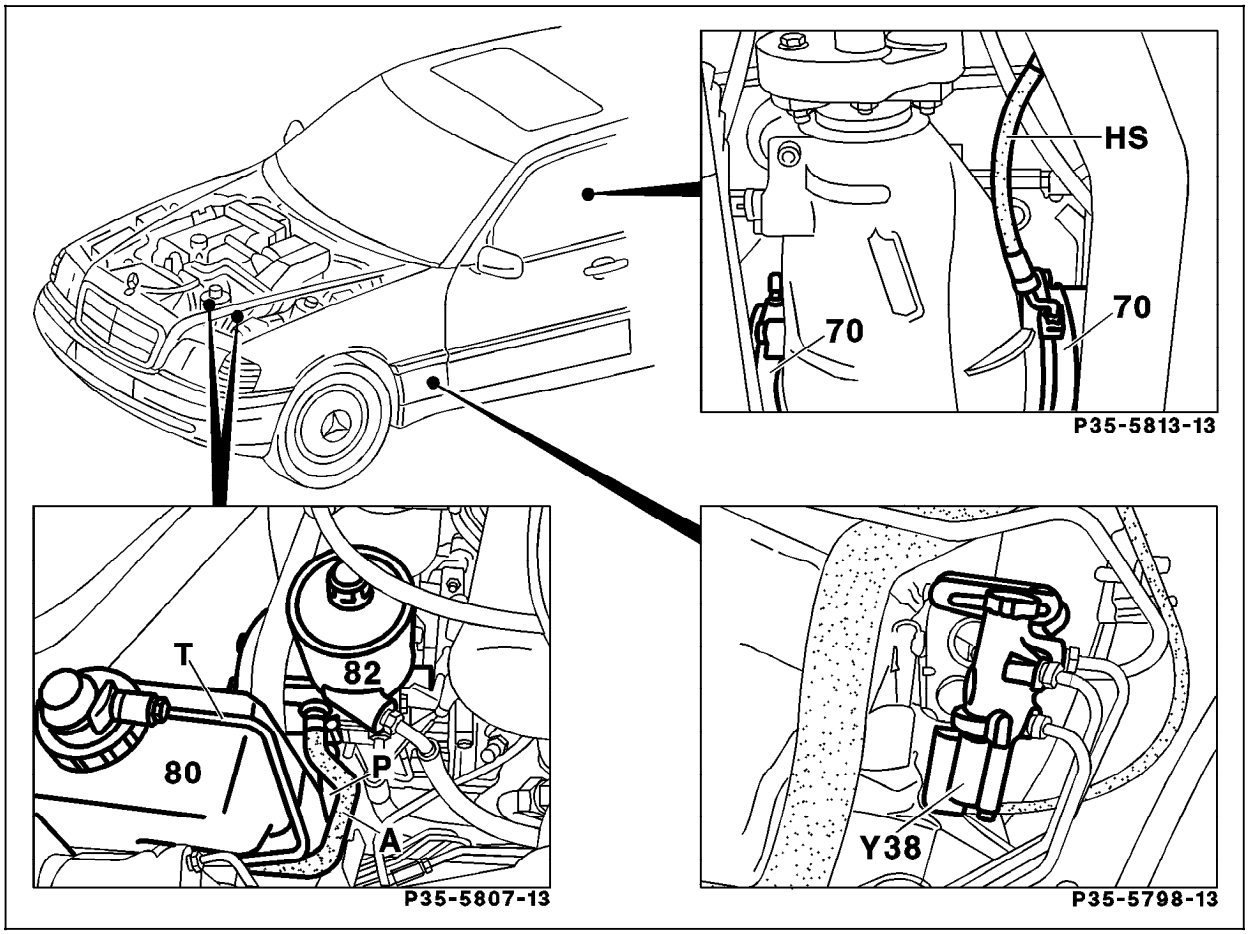


Figure 5

45	Tandem pump
80	Oil reservoir
A	Suction line - oil reservoir to pressure pump
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveling function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Component Locations

Hydraulic Components Locations
Model 202



P35-5822-57

Figure 6

70	Ring cylinder
80	Oil reservoir
82	Tandem pump
83	Hydraulic unit without pressure reservoir
A	Suction line - oil reservoir to pressure pump
HS	Pressure line - hydraulic unit to ring cylinder
T	Return line - hydraulic unit to oil reservoir
N	Without leveling function: Return line - hydraulic unit to oil reservoir With leveing function: Return line - leveling valve to oil reservoir
P	Pressure line - pressure pump to hydraulic unit

Hydraulic Test Program - Preparation for Test

Preparation for Test

1. Ignition: **OFF**
2. Check oil level in oil reservoir and correct if necessary.
3. Remove plastic cover.
4. Remove ASD control module.
5. Bridge socket 8 and socket 10 at the electrical connector for ASD control module.
6. Connect the pressure test tool to the ring cylinder as per the connection diagram.

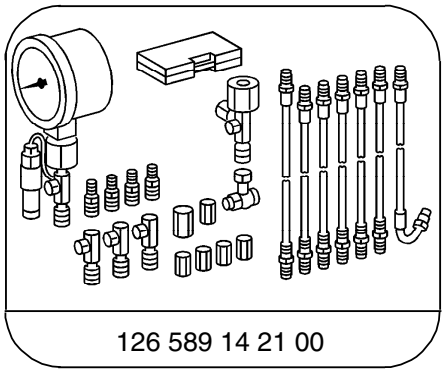
   Note:

   Depending on acecssibility, the pressure test tool can installed on either the right vent screw or the left “HS” line.

Note:

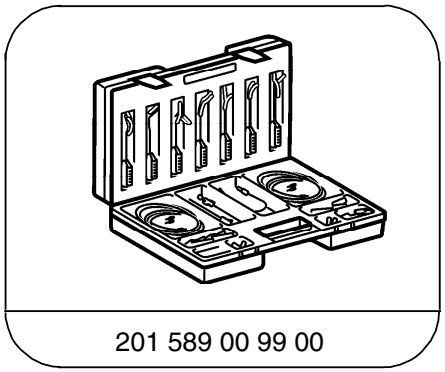
Checking hydraulic pump: Model 129, 140: 3.2 32 (ADS)
Model 124, 201, 202: See SMS, Job no. 32-0530

Special Tools



126 589 14 21 00

Tester



201 589 00 99 00

Electrical connecting set

Hydraulic Test Program - Preparation for Test

Connection Diagram - Pressure Test Tool
(Model 201 shown)

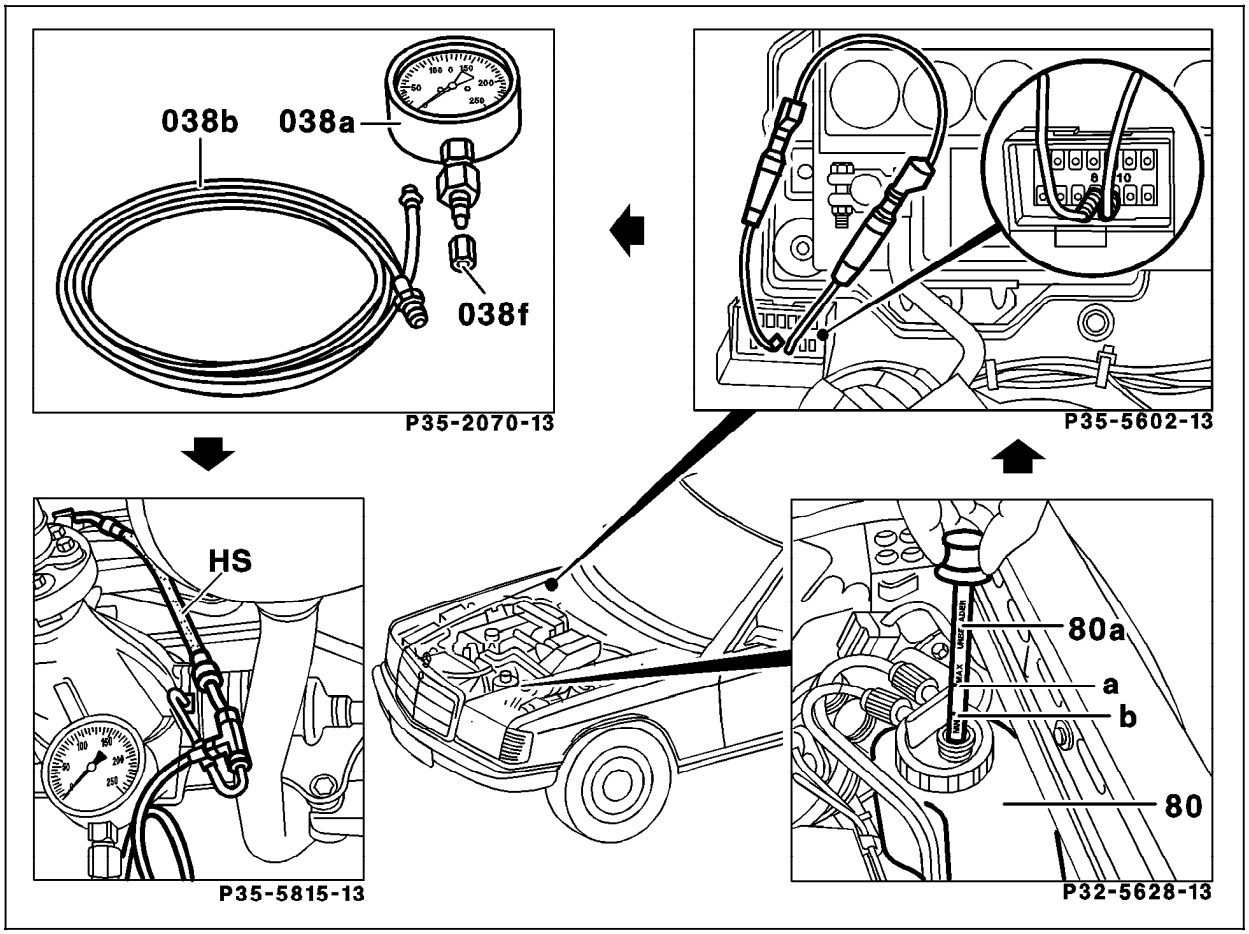


Figure 1

80	Oil reservoir
80a	Oil reservoir dip stick
a	Maximum oil level
b	Minimum oil level
HS	Pressure line

Hydraulic Test Program - Test

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	**Pressure test**	Ⓐ 250 bar at ring cylinder	Engine: **Start**	50 – 63 bar	Checking pressure pump: **Model 140:** 3.2 32. **Models 124, 129, 201, 202:** SMS, Repair Instructions, Job. no. 32-0530.

Mechanical Test Program - Component Locations

Component Locations
(Model 129 shown)

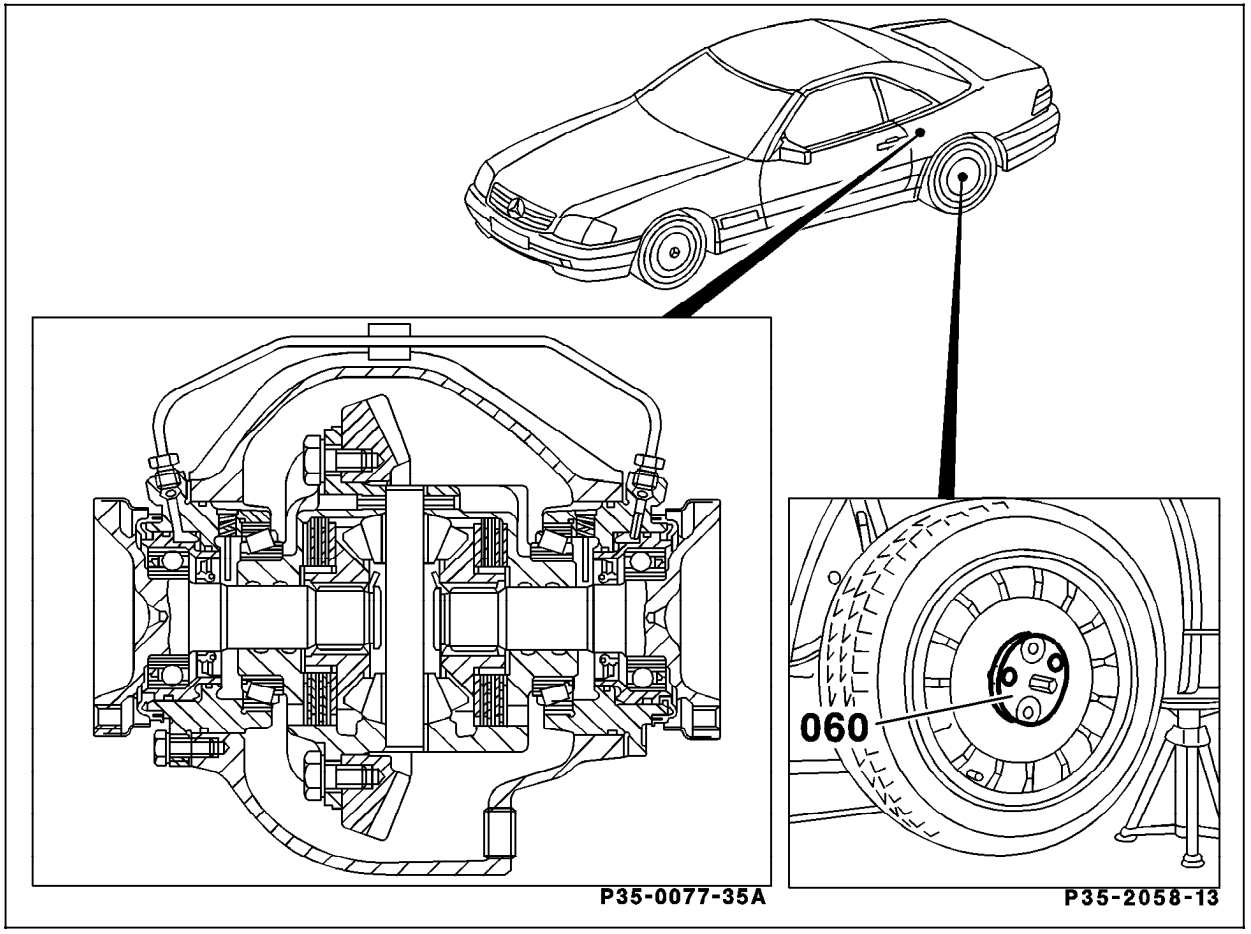


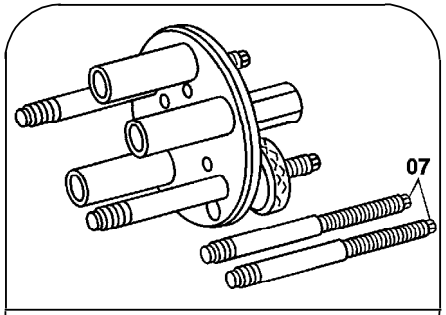
Figure 1
060 Frictional torque measurement adaptor plate

Mechanical Test Program - Preparation for Test

Preparation for Test

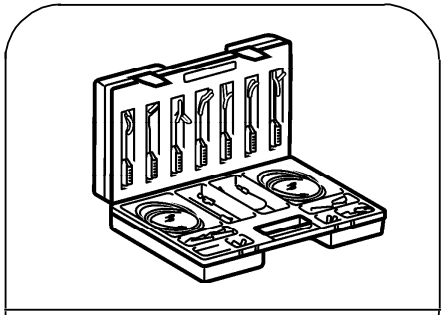
1. Ignition: **OFF**
2. Check oil level in oil reservoir, correct if necessary.
3. Lift vehicle at rear on one side.
4. Attach frictional torque measurement adaptor plate (Figure 1) using two opposing wheel bolts on raised wheel. Screw studs with shorter threads into the rear axle shaft flange until they bottom out. Slide frictional torque measurement adaptor plate over studs and tighten knurled nuts by hand.
5. Disconnect ASD control module (N30/2).
6. Bridge sockets 8 and 10 on ASD control module (N30/2) connector.

Special Tools



140 589 00 46 00

Drive flange



201 589 00 99 00

Electrical connecting set

Equipment

Torque Wrench Range: 16 – 65 Nm 80 – 260 Nm	Local Purchase

Mechanical Test Program - Test

Frictional Torque Measurement
Shown on Model 201

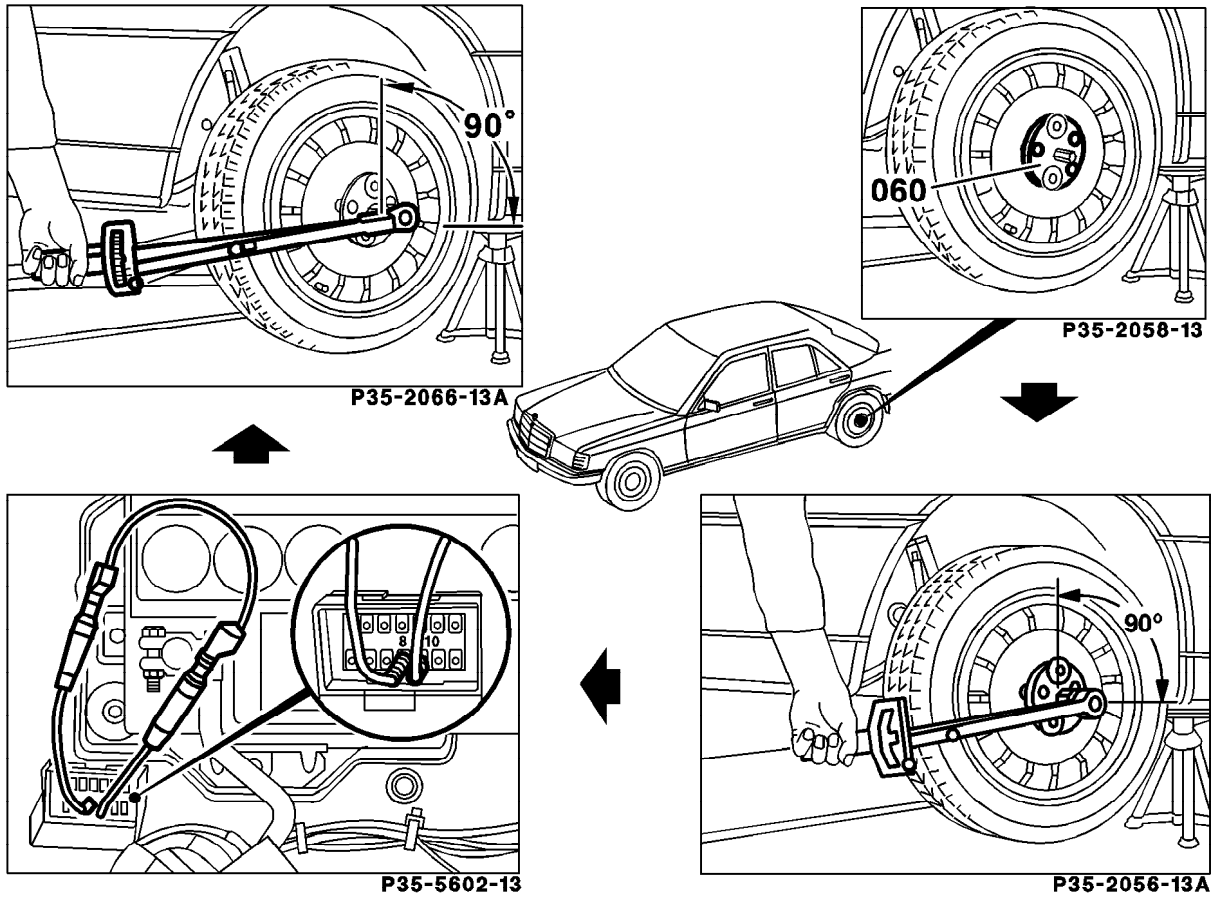


Figure 1
060 Frictional torque measurement adaptor plate

P35-5825-57

Mechanical Test Program - Test

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	**Mechanical disengaged frictional torque**	Torque wrench (15 – 65 Nm)	Turn torque wrench through 90° (see 42, Figure 1, step 2).	See ⇒ 2.0	⇒ 2.0
⇒ 2.0	**Mechanical engaged frictional torque**	N30/2 8 10 Torque wrench (80 – 260 Nm)	Disconnect ASD control module(N30/2). (see 42, Figure 1, step 3). Return wheel to its starting position in ⇒ 1.0 (see 42, Figure 1, step 2). Engine: **at idle** Pressure within hydraulic system: 50 – 63 bar. (see 33 ⇒ 1.0) Turn torque wrench through 90° (see 42 figure 1, step 4). Observe and record the value.	Measured frictional torque in ⇒ 2.0 **minus** measured frictional torque in ⇒ 1.0 should be > 100 Nm.	If frictional torque difference is < 100 Nm, replace rear axle center piece.