| Test step | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----------|---|------------------------------------|--|---------------|---|
| DT | | | | | |
| ⇒ 1.0 | Cruise control switch (S40) V Decelerate/set | 1 | Ignition: ON Cruise control switch not activated | < 1 V | Wiring, Cruise control switch (S40). |
| | B Accelerate/set | | Position DECEL | 11 – 14 V | |
| | SP Resume | 79 — 72 (1.38) (1.31) | Position RESUME | 11 – 14 V | |
| | A Off | 79 — (- ① +)—52 (1.38) (1.11) | Position ACCEL | 11 – 14 V | |
| | | 79 — (- V) - 74 (1.38) (1.33) | Switch not activated | 11 – 14 V | |
| | | | Position OFF | < 1 V | |
| | Control switch contact | | Switch not activated | < 1 V | |
| | | 79 — 43 (1.38) (1.2) | Control switch contact in position: DECEL., ACCEL., RESUME OFF. | 11 – 14 V | |

| Test step | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----------|---|--------------------------------------|--|-------------------|--|
| DTC | | | | | |
| ⇒ 2.0 5 | Stop lamp switch (S9/1) Signal (N.C. contact) | 79 — (→ (1.38) | Ignition: ON Brake pedal not applied Brake pedal applie | 11 – 14 V | Wiring, Stop lamp switch (S9/1), Base module (N16/1), DM, Chassis & Drivetrain, Vol. 1, section 1.1, |
| ⇒ 3.0 5 | Stop lamp switch (S9/1) Signal (N.O. contact) | 79 — (— Y —) — 71 (1.38) (1.30) | Ignition: ON Brake pedal not applied Brake pedal applied | <1 V 11 – 14 V | Wiring, Stop lamp switch (S9/1), |
| ⇒ 4.0 Б | Starter lock-out/backup lamp switch (S16/3) Transmission range recognition voltage | N4/1 | $\begin{array}{c} N \!\!\to \!\! \\ D \!\!\to \!\! \end{array}$ | 1.0 V 0.3 V | Wiring, Starter lock-out/backup lamp switch (S16/3), ⇒ 4.1, EA/CC/ISC control module (N4/1). |

| Test step | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|----------------|--|-----------------|----------------|--|--|
| DTC | | | | | |
| | Starter lock-out/backup lamp switch (S16/3) Resistance | N4/1 (1.3) | R- N- D- | 1.4 kΩ 294 Ω 28 kΩ 11.3 kΩ 5.9 kΩ 3.1 kΩ (± 10%) | Wiring, Starter lock-out/backup lamp switch (S16/3). |
| ⇒ 5.0 b | Non-USA vehicles only. Continue to next test step. | | | | |

| Test step | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----------|--|-----------------|--|---------------|--|
| DTC | | | | | |
| ⇒ 6.0 🛮 | Left front axle vehicle speed sensor (L6/1) Speed signal | _ | Lift front of vehicle: Ignition: ON Turn left front wheel by hand | 4 – 8 V | Wiring, Left front axle vehicle speed sensor (L6/1), DM, Chassis & Drivetrain, Vol. 1, section 5.2, Note: Upon completion of test, erase DTC's stored in ABS/ASR control module memory. |
| ⇒7.0 7 | CAN data bus | N4/1×1 | Ignition: OFF EA/CC/ISC control module (N4/1) disconnected. Measure resistance at connector (see Figure 8) | 55 – 65 Ω | Wiring, LH-SFI control module (N3/1), DM, Engines, Vol. 2, section 3.1, Ignition control module (N1/2), DM, Engines, Vol. 2, section 5.2. |

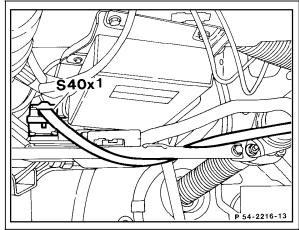


Figure 1 P54-2216-13 Model 124

S40x1 Cruise control switch connector

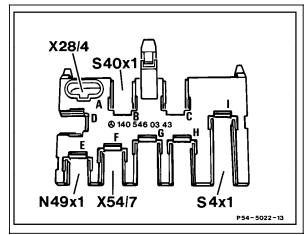


Figure 2 P54-5022-13 Model 140

S40x1 Cruise control switch connector

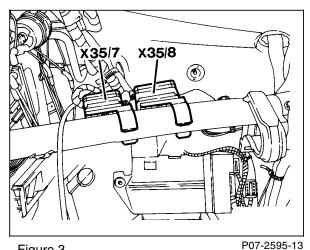


Figure 3 Model 124

X35/8 Cockpit/module box plug connection (electronic accelerator/cruise control/idle speed control) (16-pole)

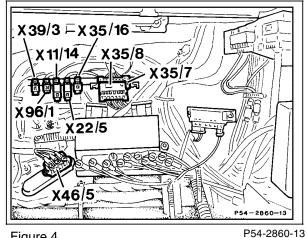


Figure 4 Model 140

X35/8

Cockpit/module box plug connection (electronic accelerator/cruise control/idle speed control) (16-pole)

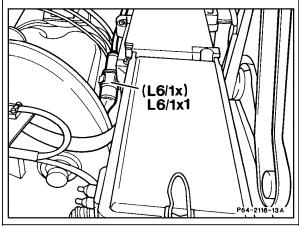
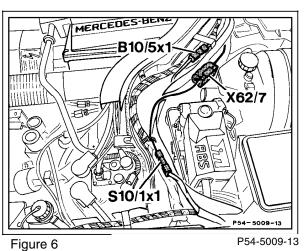


Figure 5 P54-2116-13A Model 124

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L6/1x1 Left front axle vehicle speed sensor harness connector



Model 140

X62/7

Left front axle vehicle speed sensor connector (component compartment)

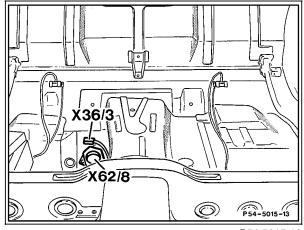


Figure 7 P54-5015-13 Model 140

X62/8 Rear axle multiple circuit junction connector

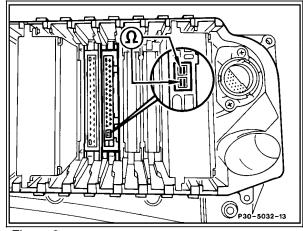


Figure 8 P30-5032-13

N4/1x1 EA/CC/ISC control module connector Circle = CAN Bus