

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Preliminary work:
 Diagnosis - Function Test 11

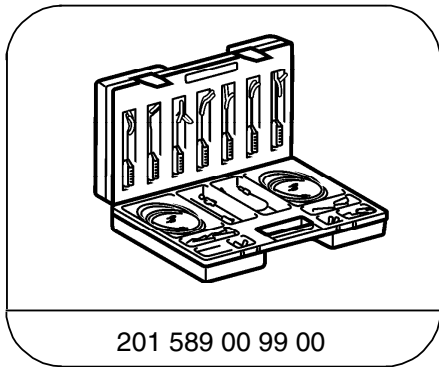
Prerequisite for reading DTC memory

1. Fuses in order
2. Battery voltage > 11 V.
3. Connect HHT according to connection diagram, see section 0.



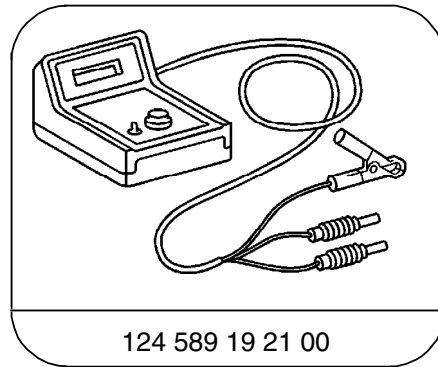
Starting 9/95, the DTC memory can be read only with the HHT.

Special Tools



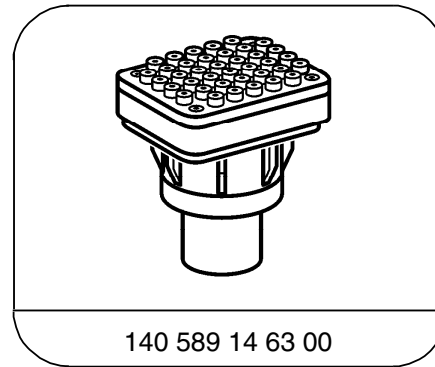
201 589 00 99 00

Electrical connecting set



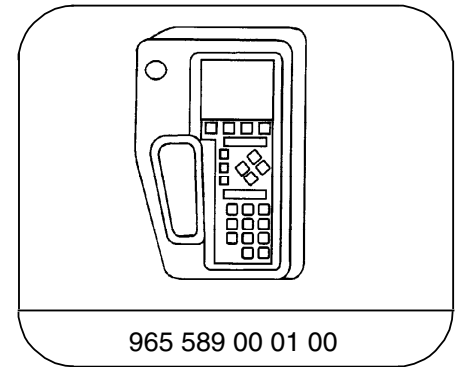
124 589 19 21 00

Pulse counter



140 589 14 63 00

Adapter

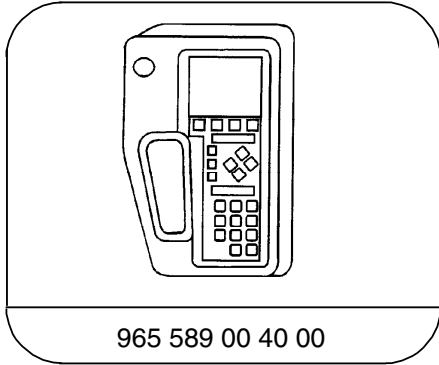


965 589 00 01 00

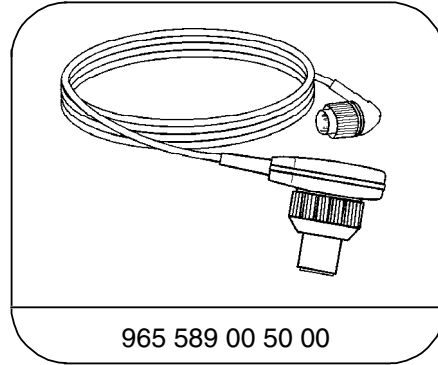
Hand-Held-Tester

Diagnosis – Diagnostic Trouble Code (DTC) Memory up to 9/95

Special Tools





Test cable



Adapter cable



Diagnosis – Diagnostic Trouble Code (DTC) Memory up to 9/95

DTC 		Possible cause	Test step/Remedy ¹⁾
8	001	Power soft top control module (N52)	Replace (N52).
2	032	Low voltage	23 ⇒ 1.0, 2.0
	048	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1) >85 °C	23 ⇒ 3.0, 36.0
	049	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1) >120 °C	23 ⇒ 3.0, 36.0
3	050	RST/RB hydraulic unit (A7/5) locked up	23 ⇒ 3.0
	051	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1)	23 ⇒ 36.0
	052	RST/RB hydraulic unit (A7/5)	23 ⇒ 3.0
4	064	VSS status signal	23 ⇒ 22.0, 23.0
	065	Implausible VSS	23 ⇒ 22.0, 23.0
5	080	RST/RB hydraulic unit (A7/5)	23 ⇒ 3.0
6	096	Right power window activation	23 ⇒ 21.0, 25.0, 27.0
6	097	Left power window activation	23 ⇒ 20.0, 24.0, 26.0
	098	Right front power window motor (M10/4), Hall-effect sensor ²⁾	Replace M10/4 (SMS, Job No. 82-600)
	099	Left front power window motor (M10/3), Hall-effect sensor ²⁾	Replace M10/3 (SMS, Job No. 82-600)
	100	Right front power window motor (M10/4), Hall-effect sensor not synchronized ²⁾	14 ⇒ 33.0

¹⁾ Observe Preparation for Test, see 22.

²⁾ As of 12/94.


Diagnosis – Diagnostic Trouble Code (DTC) Memory up to 9/95

DTC 		Possible cause	Test step/Remedy ¹⁾
	101	Left front power window motor (M10/3), Hall-effect sensor not synchronized ²⁾	14 ⇒ 33.0
7	112	Left front soft top “locked” switch (S84/1)	23 ⇒ 8.0
7	113	Right front soft top “locked” switch (S84/2)	23 ⇒ 9.0
7	114	Soft top “closed” switch (S84/4)	23 ⇒ 13.0
7	115	Soft top “open” switch (S84/3)	23 ⇒ 12.0
7	116	Left soft top fabric bow “locked” switch (A22s2)	23 ⇒ 5.0
7	117	Right soft top fabric bow “locked” switch (A23s2)	23 ⇒ 6.0
7	118	Left soft top fabric bow “closed” switch (A22s1)	23 ⇒ 7.0
7	119	Soft top fabric bow “raised” switch (S84/6)	23 ⇒ 11.0
7	120	Soft top compartment “open” switch (S84/5)	23 ⇒ 10.0
7	121	Right soft top compartment cover “locked” switch (A25s2)	23 ⇒ 4.0
7	122	RB “retracted” switch (S83/1)	23 ⇒ 14.0
	123	ATA/CF microswitch, left door (S86), right door (S87s1), trunk lid (S88s1)	23 ⇒ 38.0
	124	Left front door actuator (S47), right front door actuator (S48), trunk lid actuator (S49)	23 ⇒ 37.0

1) Observe Preparation for Test, see 22.

2) As of 12/94.


Diagnosis – Diagnostic Trouble Code (DTC) Memory as of 9/95

DTC 	Possible cause	Test step/Remedy ¹⁾
7 125	Left front door "window down" limit switch (S21/9) ³⁾	23 ⇒ 15.0
7 126	Right front door "window down" limit switch (S21/8) ³⁾	23 ⇒ 16.0
7 127	Illogical limit switch signals	24
9 144	Roll bar crash deployment	23 ⇒ 17.0
10 160	Power soft top switch (S84)	23 ⇒ 18.0
10 161	RB switch (S83) (manual operation)	23 ⇒ 19.0
11 176	Power soft top switch (S84) indicator lamp	23 ⇒ 28.0
11 177	RB switch (S83) (manual operation) indicator lamp	23 ⇒ 42.0
11 178	Warning buzzer (E15h1)	23 ⇒ 39.0

1) Observe Preparation for Test, see 22.


2) As of 12/94.

Diagnosis – Diagnostic Trouble Code (DTC) Memory as of 9/95

DTC 	Possible cause	Test step/Remedy ¹⁾
001 128-136	Power soft top control module (N52)	Replace (N52)
032	Low voltage	23 ⇒ 1.0, 2.0
048	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1) >85 °C	23 ⇒ 3.0, 36.0
049	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1) >120 °C	23 ⇒ 3.0, 36.0
050	RST/RB hydraulic unit (A7/5) locked up	23 ⇒ 3.0
051	RST/RB hydraulic unit, overload protection thermocouple (A7/5b1)	23 ⇒ 36.0
052	RST/RB hydraulic unit (A7/5)	23 ⇒ 3.0
064	VSS status signal	23 ⇒ 22.0, 23.0
065	Implausible VSS	23 ⇒ 22.0, 23.0
080	RST/RB hydraulic unit (A7/5)	23 ⇒ 3.0
096	Right front power window motor (M10/4), Hall-effect sensor	Replace M10/4 (SMS, Job No. 82-600)
097	Left front power window motor (M10/3), Hall-effect sensor	Replace M10/3 (SMS, Job No. 82-600)
098	Right front power window motor (M10/4), Hall-effect sensor not synchronized	14 ⇒ 36.0
099	Left front power window motor (M10/3), Hall-effect sensor not synchronized	14 ⇒ 33.0
100	Right front power window motor (M10/4), no Hall-effect sensor signal	23 ⇒ 27.0


1) Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory as of 9/95

DTC 	Possible cause	Test step/Remedy ¹⁾
101	Left front power window motor (M10/4), no Hall-effect sensor signal	14 ⇒ 36.0
102	Right power window activation, wire Γ1+, Γ1-, Power soft top control module (N52)	23 ⇒ 21.0, 25.0, 27.0
103	Left power window activation, wire Γ1+, Γ1-, Power soft top control module (N52)	23 ⇒ 20.0, 24.0, 26.0
112	Left front soft top “locked” switch (S84/1)	23 ⇒ 8.0
113	Right front soft top “locked” switch (S84/2)	23 ⇒ 9.0
114	Soft top “closed” switch (S84/4)	23 ⇒ 13.0
115	Soft top “open” switch (S84/3)	23 ⇒ 12.0
116	Left soft top fabric bow “locked” switch (A22s2)	23 ⇒ 5.0
117	Right soft top fabric bow “locked” switch (A23s2)	23 ⇒ 6.0
118	Left soft top fabric bow “closed” switch (A22s1)	23 ⇒ 7.0
119	Soft top fabric bow “raised” switch (S84/6)	23 ⇒ 11.0
120	Soft top compartment “open” switch (S84/5)	23 ⇒ 10.0
121	Right soft top compartment cover “locked” switch (A25s2)	23 ⇒ 4.0
122	RB “retracted” switch (S83/1)	23 ⇒ 14.0

1) Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory as of 9/95

DTC 	Possible cause	Test step/Remedy ¹⁾
123	ATA/CF microswitch, left door (S86), right door (S87s1), trunk lid (S88s1)	23 ⇒ 38.0
124	Illogical limit switch signals	24
127	Voltage interruption on circuit 30	23 ⇒ 1.0
146	Roll bar crash deployment, Hydraulic linkage separated from roll bar	23 ⇒ 14.0
160	Power soft top switch (S84)	23 ⇒ 18.0
161	RB switch (S83) (manual operation)	23 ⇒ 19.0
176	Power soft top switch (S84) indicator lamp	23 ⇒ 28.0
177	RB switch (S83) (manual operation) indicator lamp	23 ⇒ 42.0
178	Warning buzzer (E15h1)	23 ⇒ 39.0

¹⁾ Observe Preparation for Test, see 22.