

### Diagnosis - Diagnostic Trouble Code (DTC) Memory

Preliminary work:

Function check ..... 11

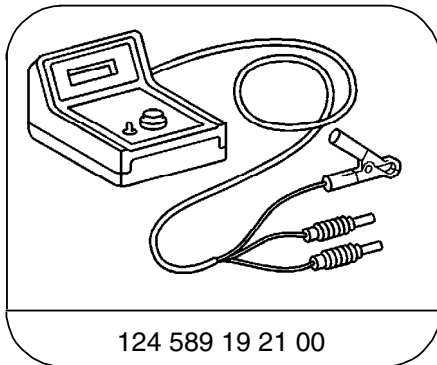
#### Preparation for Test:

- Connect impulse counter according to diagram, see section 0.  
Read out Diagnostic Trouble Codes (DTC's) and record.

#### Electrical wiring diagrams

See Electrical Troubleshooting Manual, Model 129, Volume 2.

#### Special Tools



124 589 19 21 00

Pulse counter

### Diagnosis - Diagnostic Trouble Code (DTC) Memory

#### Diagnostic Trouble Code (DTC) Readout, Infrared Remote Central Locking (IRCL) Control Module

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy <sup>1)</sup>
1	No malfunction in memory.	<sup>2)</sup>
2	IRCL control module (N54).	Replace.
3	Supply pump, central locking system (M14/1 or M14/2), short to circuit 31 (ground).	23 ⇒ 2.0
4	Left front door IR receiver (A26/1). Right front door IR receiver (A26/2). Trunk lid IR receiver (A26/3). Red indicator lamps, short to circuit 31	23 ⇒ 3.0 23 ⇒ 4.0 23 ⇒ 5.0
5	Left front door IR receiver (A26/1). Right front door IR receiver (A26/2). Trunk lid IR receiver (A26/3). Green indicator lamps, short to circuit 31	23 ⇒ 3.2 23 ⇒ 4.2 23 ⇒ 5.2
6	Supply pump, central locking system (M14/1), short to circuit 30	23 ⇒ 2.1
7	Left front door IR receiver (A26/1). Right front door IR receiver (A26/2). Trunk lid IR receiver (A26/3). Red indicator lamps, short to circuit 30 or open circuit.	23 ⇒ 3.1 23 ⇒ 4.1 23 ⇒ 5.1

<sup>1)</sup> Observe Preparation for Test, see 22.

<sup>2)</sup> If the diagnostic trouble code "1" (no malfunction in memory) appears, but the vehicle cannot be locked or unlocked from either door or trunk lid, perform Function Test, Test steps 1 – 6 with the second infrared transmitter. If the infrared remote control functions with the second transmitter, replace the first transmitter. If the infrared remote control does not function with the second transmitter, perform "Test" ( 23) using the socket box.

### Diagnosis - Diagnostic Trouble Code (DTC) Memory

#### Diagnostic Trouble Code (DTC) Readout, Infrared Remote Central Locking (IRCL) Control Module

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy <sup>1)</sup>
8	Left front door IR receiver (A26/1). Right front door IR receiver (A26/2). Trunk lid IR receiver (A26/3). Green indicator lamps, short to circuit 30 or open circuit.	23 ⇒ 3.3 23 ⇒ 4.3 23 ⇒ 5.3
9	Left door switch group (S86) wiring, short to circuit 30 ATA/CF microswitch (S87s1) wiring, short to circuit 30 ATA/CF microswitch (S88s1) wiring, short to circuit 30	23 ⇒ 6.0 23 ⇒ 6.1 23 ⇒ 6.2
10	Ignition/starter switch - position recognition switch (S2/1s2) open circuit.	23 ⇒ 7.0
11	Ignition/starter switch - position recognition switch (S2/1s2) short to circuit 31	23 ⇒ 7.1
12	Left front door actuator (S47) open circuit.	23 ⇒ 8.0
13	Right front door actuator (S48) open circuit.	23 ⇒ 9.0
14	Trunk lid lock actuator (S49) open circuit.	23 ⇒ 10.0
15	Immobilization output, short to circuit 30	23 ⇒ 11.0

<sup>1)</sup> Observe Preparation for Test, see 22.