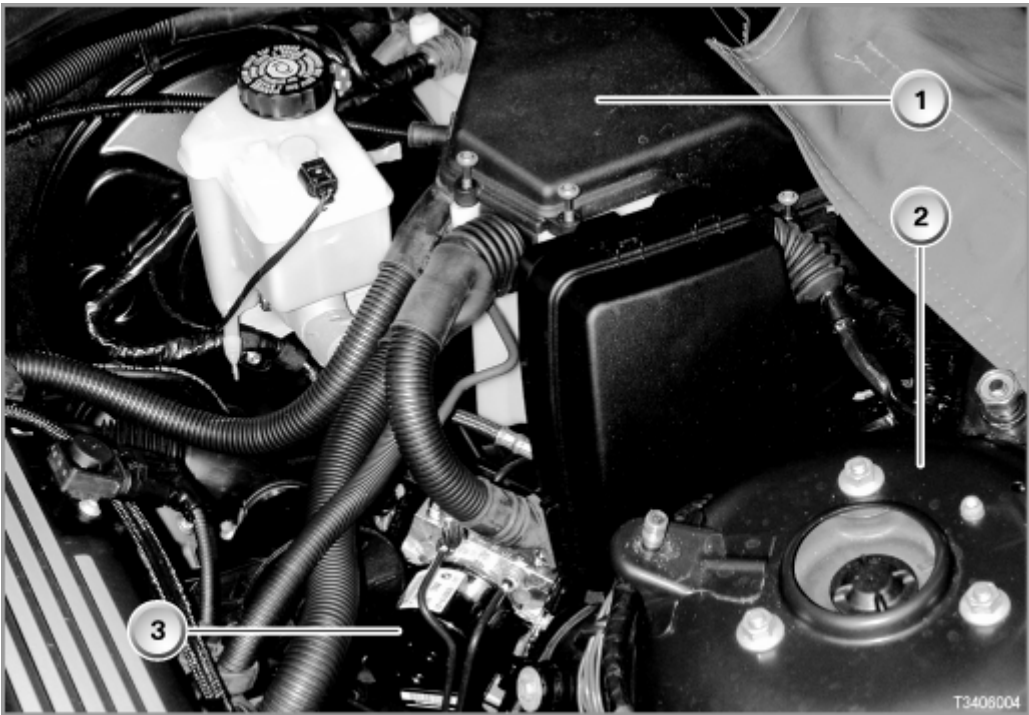


DSC unit Mk60E5: E85, E86, E87, E90, E91, E92, E93

Installation location

> E85, E86

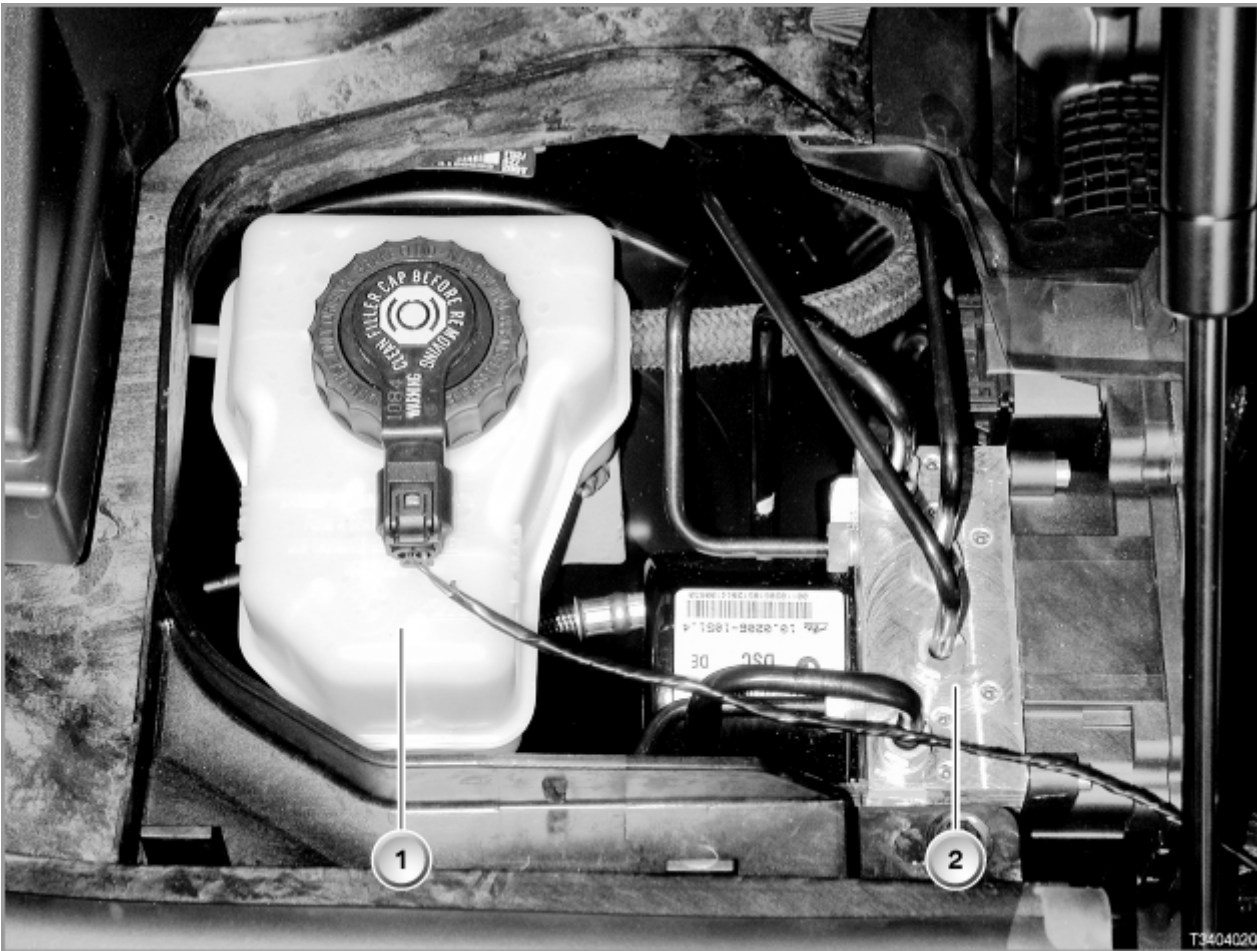
On LHD vehicles, the DSC unit is located: at the front left under the electronics box next to the suspension strut dome.
On RHD vehicles, the DSC unit is located at the front right next to the suspension strut dome (turned through 90°).



Item	Description	Item	Description
1	Electronics box	2	Suspension strut dome
3	DSC unit		

> E87, E90, E91, E92, E93

On LHD vehicles, the DSC unit is located: at the front left in the water box, under a cover panel next to the expansion tank.
On RHD vehicles, the DSC unit is located at the front right in the water box (turned through 90°).



The illustration shows the installation location on the E90, E91, E92, E93. The E87 is similar.

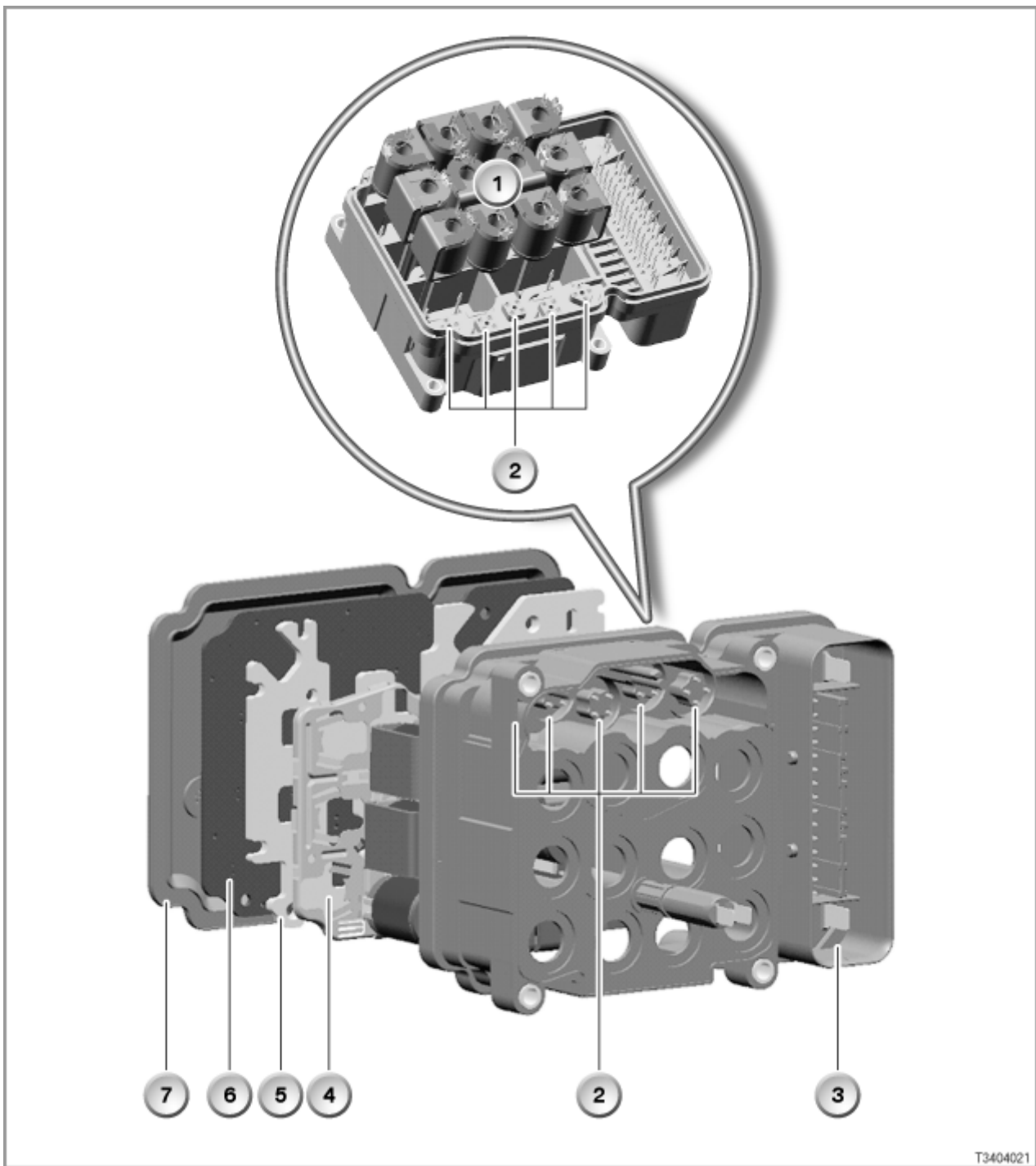
Item	Description	Item	Description
1	Expansion tank	2	DSC unit

Construction

The DSC unit consists of the following components:

- DSC control unit
- DSC hydraulic unit with solenoid valves
- Return pump

All 5 brake pressure sensors are in the DSC unit.



T3404021

Item	Description	Item	Description
1	Solenoid valves	2	Contacts for the brake pressure sensors
3	Connector for the DSC control unit	4	Spring element
5	Heat sink	6	Board
7	Housing		

The DSC control unit is connected to the vehicle electrical system via a 47-pin connector.

- Pin assignment

Pin assignment X18303, 47-pin

Pin	Type	Description
		<p>A = Output</p> <p>E = Input</p> <p>E/A = Input and output</p> <p>M = Earth</p> <p>V = Supply</p> <p>For details of current pin assignment, please refer to BMW diagnosis system</p>
1	V	Terminal 30 for return pump
2	A	<p>TxD data wire (TxD1)</p> <p>> only E85, E86</p>
3	E	Signal from brake-fluid-level switch
4	E	Signal from brake light switch
5	A	<p>Power supply for brake pad wear sensor, front left</p> <p>>E87, E90, E91, E92, E93</p>
6	E	<p>Signal from the RPA button in centre console switch cluster (SZM)</p> <p>> only E85, E86</p>
7	---	---
8	A	<p>Wheel-speed signal (circumferential wheel speed), rear right</p> <p>> E85, E86</p> <p>to DME and navigation system</p> <p>>E87, E90, E91, E92, E93</p> <p>to DME or DDE</p>
9	E	<p>Signal from brake pad wear sensor, front left</p> <p>> only E87, E90, E91, E92, E93</p>
10	A	<p>Wheel-speed signal (circumferential wheel speed) rear left (to instrument cluster)</p> <p>> only E85, E86</p>
11	E/A	Separate CAN High

		> only E85, E86 F-CAN High > only E87, E90, E91, E92, E93
12	A	Only US vehicles without navigation system: Wheel-speed signal (circumferential wheel speed), front right (to Telematic Control Unit (TCU))
13	---	---
14	A	Wheel-speed signal (circumferential wheel speed) front left > E85, E86 Only US vehicles without navigation system: Wheel speed sensor to Telematic Control Unit (TCU) >E87, E90, E91, E92, E93 to M-ASK or CCC; Only US vehicles without navigation system: Wheel speed sensor to Telematic Control Unit (TCU)
15	E/A	PT-CAN Low
16	M	Terminal 31 for solenoid valves in the DSC hydraulic unit
17	V	Terminal 30 > E85, E86 Terminal 30g, active >E87, E90, E91, E92, E93
18	---	---
19	---	---
20	---	---
21	E	Signal from brake pad wear sensor, rear right >E87, E90, E91, E92, E93
22	---	---
23	---	---
24	---	---

25	A	Speed sensor to Car Access System (CAS) >E87, E90, E91, E92, E93
26	E/A	Separate CAN Low > E85, E86 F-CAN Low >E87, E90, E91, E92, E93
27	A	Earth output to DSC sensor
28	---	---
29	E	Terminal 15 > E85, E86 Terminal 15 wake-up wire >E87, E90, E91, E92, E93
30	E/A	PT-CAN High
31	---	---
32	V	Terminal 30 for solenoid valves
33	E	Signal from wheel speed sensor, front right
34	A	Power supply for wheel speed sensor, front right
35	---	---
36	A	Power supply for wheel speed sensor, rear left
37	E	Signal from wheel speed sensor, rear left
38	E	Signal from parking-brake warning switch
39	A	Power supply for DSC sensor
40	A	Power supply for brake pad wear sensor, rear right >E87, E90, E91, E92, E93
41	E	Signal from the DTC button in centre console switch cluster (SZM) > only E85, E86
42	E	Signal from wheel speed sensor, rear right
43	A	Power supply for wheel speed sensor, rear right
44	A	Signal to ABS indicator and warning light in instrument cluster > only E85, E86

45	A	Power supply for wheel speed sensor, front left
46	E	Signal from wheel speed sensor, front left
47	M	Terminal 31 for return pump