Back to Main



Trade Show

Automechanika Middle East 2011 June 7 - June 9, 2011 Dubai International Conventional and Exhibition Centre, Dubai, UAE Booth Number: 2AM128

Auto Service Show Japan June 17 - June 19, 2011 Tokyo International Exhibition Center "Tokyo Big Sight" Booth Number: 547

We look forward to greeting you there!



Exhibited at TAIPEI AMPA (APRIL 2011)

			1
VeDiS-II MB1/MB2/MB3	V2011.04	English/Chinese/Japanese	2011-04-20
VeDiS-II PORSCHE	V2011.03	English/Chinese/Japanese	2011-04-20
VeDiS-II BMW DIAG	V2011.04	English/Chinese/Japanese Korean	2011-04-20
VeDiS-II KIA	V2011.03	English/Chinese	2011-04-20
VeDiS-II PERODUA	V2011.02	English	2011-04-20
VeDiS-II SYSTEM	V1.03	English/Chinese/Japanese	2011-04-27
VeDiS-II VASS	V2011.04	English/Chinese/Japanese /Spanish	2011-04-27
VeDiS-II LANDROVER	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II JAGUAR	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II FIAT	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II PEUGEOT	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II CITROEN	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II BMW SSS	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II SSANGYONG	V2011.04	English/Chinese	2011-04-27
VeDiS-II BMW CODING	V2011.04	English/Chinese/Japanese	2011-04-27
VeDiS-II CHRYSLER	V2011.04	English/Chinese	2011-04-27
VeDiS-II DAIHATSU CAN	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II SUBARU	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II MAZDA	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II SUZUKI	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II OPEL	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II MINI	V2011.04	English/Chinese/Japanese	2011-04-28
VeDiS-II FORD	V2011.04	English/Chinese	2011-04-28
VeDiS-II TOYOTA	V2011.04	English/Chinese/Japanese	2011-04-28
iSCAN-II MB1/MB2/MB3	V4.00	English/Chinese/Japanese	2011-04-20
iSCAN-II MB	V3.04 / V2.02 / V1.07	English/Chinese/Japanese	2011-04-20
ISCAN-II BMW DIAG	V4.01 / V3.05	English/Chinese/Japanese Korean	2011-04-20
ISCAN-II PORSCHE	V4.00 / V3.03 / V2.06 / V1.06	English/Chinese/Japanese	2011-04-20
ISCAN-II IMS2-PORSCHE	V1.04SP2	English/Chinese	2011-04-20
ISCAN-II KIA	V3.02SP1 / V2.02SP2 / V1.01SP2	English/Chinese	2011-04-20
ISCAN-II PERODUA	V4.00	English	2011-04-20
iSCAN-II BMW CODING	V3.05	English/Chinese/Japanese	2011-04-27
	V3.01SP1 / V2.02SP1 /	English/Chinese/Japanese	
ISCAN-II CITROEN	V1.03SP1	/Spanish	2011-04-27
ISCAN-II PEUGEOT	V3.01SP1 / V2.02SP1 / V1.03SP1	English/Chinese/Japanese /Spanish	2011-04-27
iSCAN-II SSANGYONG	V3.01SP1 / V2.01SP2 / V1.01SP4	English/Chinese	2011-04-27
ISCAN-II BMW SSS	V3.03	English/Chinese/Japanese	2011-04-27
ISCAN-II CHRYSLER	V4.01	English/Chinese	2011-04-27
ISCAN-II DAIHATSU CAN	V4.00	English/Chinese/Japanese	2011-04-28
ISCAN-II SUBARU	V4.00	English/Chinese/Japanese	2011-04-28
ISCAN-II MAZDA	V1.00SP4	English/Chinese/Japanese	2011-04-28
ISCAN-II OPEL	V1.02	English/Chinese/Japanese	2011-04-28
ISCAN-II SUZUKI	V4.00 / V2.02 / V1.02	English/Chinese/Japanese	2011-04-28
ISCAN-II FORD	V3.02 / V2.04 / V1.06	English/Chinese	2011-04-28
ISCAN-II MINI	V3.02	English/Chinese/Japanese	2011-04-28
D91-MB PRO	V6.05 / V5.07	English/Chinese/Japanese	2011-04-20
D91-PORSCHE	V4.56 / V4.06	English/Chinese/Japanese	2011-04-20
D91-PERODUA	V4.00	English	2011-04-20
D91-KIA	V5 02502 / V/ 01502 /	English/Chinese	2011-04-20

	V3.50SP7		
D91-CITROEN	V4.02SP1 / V3.03SP1	English/Chinese/Japanese /Spanish	2011-04-27
D91-PEUGEOT	V4.02SP1 / V3.03SP1	English/Chinese/Japanese /Spanish	2011-04-27
D91-SSANGYONG	V2.00SP4 / V1.50SP4	English/Chinese	2011-04-27
D91-MINI	V2.02	English/Chinese/Japanese	2011-04-28
D91-OPEL	V1.62	English/Chinese/Japanese	2011-04-28
D91-MAZDA	V1.64SP5	English/Chinese/Japanese	2011-04-28
D91-SUZUKI	V4.02 / V3.02	English/Chinese/Japanese	2011-04-28

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2011 / D91-ASIAN PRO YUP 2011. YUP customers, please get the updates from website.

Fechnical Guidance

Mercedes-Benz: SBC (Sensotronic Brake Control) Activation

SBC Introduction

Sensotronic Brake Control (SBC) Mercedes-Benz's revolutionary brake-by-wire system is standard on the new E-Class. The brake pedal is connected electrically to the main brake cylinder and a powerful microprocessor feeds information to the hydraulicallyactivated brakes using electrical pulses. A special simulator uses spring pressure and hydraulics to give pedal resistance maintaining the driver's feel for the brakes. SBC is quicker than a conventional system resulting in shorter stopping distances around three percent at 70 mph. The system is a little unnerving to begin with especially when the driver comes to a road junction in traffic, but the driver soon gets used to it and if the driver takes his foot off the accelerator. The driver will gradually come to halt with the system braking. It also applys the brake lights. It will effectively hold the car on the brakes without having to touch the brake pedal. ABS(anti-lock braking system) with BAS (brake assist) are part of the SBC system as standard.

Models equipped with SBC (from year 2003 to 2006)

E-Class: W211 CLS-Class: W219 SL-Class: W230

Advantages of SBC system

- 1. Improving metering of required brake pressure, and each wheel can be precisely control.
- 2. Reduction in stopping distance in particular during an emergency stop (improved BAS function).
- 3. Increase in active vehicle dynamics safety as the vehicle dynamics control system ABS and BAS as well as ASR and ESP can be used in an optimized manner.
- 4. Leads to more timely and more comfortable stabilization of the vehicle during ASR or ESP control.
- 5. Take care of even wear on the brake linings and better response characteristics of the brake due to optimum brake force distribution between the front and rear axle.
- 6. Use of the brake force reserve at the rear axle due to increasing the brake force share in the partial braking range and when braking from a low speed.
- 7. Results in more stable braking performance with optimal deceleration values when cornering as a result of the braking forces being shifted to the outer wheels.
- 8. No reaction (vibration) on the brake pedal during ABS control intervention functions.

Addtional functions of SBC

- 1. **Precharging** (overcoming play): this function assists the braking readiness by immediately and briefly applying the brake pads (precharging) if the driver releases the accelerator pedal quickly. This reduces the brake pressure buildup and shortens the stopping distance during normal operation.
- 2. **SBC-Hold**: this function prevents the vehicle rolling backwards on a slope or during long idle times at traffic lights and therefore provides startoff assistance.
- 3. **Softstop** (SBC gentle braking to a stop): below 6 km/h by briefly reducing the brake pressure softstop reduces the jolt which occurs when braking immediately upon reaching a standstill.
- 4. **SBC Stop** (SBC hold-on): the driver is relieved of a task since he is only required to press the accelerator pedal when driving in a traffic jam and is not required to keep the vehicle stationary by pressing the brake pedal.
- 5. **Dry braking**: wet conditions are recognized via the activation of the windshield wipers. This safety functions helps to ensure that the vehicle is ready to brake if the brake disks are wet by briefly dry braking them.

Procedures on iSCAN-II:

1. Select Vehicle Diagnostic -> select EUROPEAN

1	2
MENU 1 Vehicle Diagnostic 2 Component Test System (External Modules) 3 IMS ² (Interface Module Simulation System) 10 OBD-11 Standard Compliant iSCAN-II (V2.01)USEN 20 SETUP	Vehicle Diagnostic 1 [ASIAN] 2 [EUROPEAN] 3 [USA]

2. Select MB software, and select E-Class

3	4
EUROPEAN >	MODEL SELECTION
1 [BMW GT2]	1 A-Class
2 [VASS]	2 C-Class
3 [OPEL]	3 E-Class
4 [FRENCH PKG	4 S-Class
5 MB	5 SLK-Class
iSCAN-II (V4.00) USEN	6 CLK-Class
6 PORSCHE	7 SL-Class
iSCAN-II (V4.00) USEN	8 CLS-Class
7 VOLVO	9 CL-Class
iSCAN-II (V3.01) USEN	10 M-Class
8 LANDROVER	11 G-Class
iSCAN-II (V3.01) USEN	12 V-Class

3. Select 211, then select Individual System Search



4. Select Chassis System, then select SBC - Sensotronic Brake Control



5. Select Activation, then select Deactivate SBC

9	10
SBC 1 System Information 2 Read Fault Code 3 Clear Fault Code 4 Data Stream 5 Activation	Activation 1 Deactivate SBC 2 Activate SBC

6. Follow the instructions on the screen to continue



7. Follow the instructions on the screen to continue



8. Press ENTER to proceed



9. Follow the instructions on the screen to continue



10. Follow the messages shown on the screen.



11. Follow the messages shown on the screen.



12. Follow the messages shown on the screen.





13. Follow the messages shown on the screen.



14. Select Activate SBC



15. Press ENTER to proceed.





16. Please wait.



17. Please wait.



18. Switch off ignition

35	36
Activate sys. SBC	Activate sys. SBC
Activating SBC (6/6): Please wait	Switch off ignition.



19. Switch on ignition



20. SBC has been activated.

39	40
Activate sys. SBC	Activate sys. SBC
Please wait 10 seconds	The actual values of SBC are ok. The brake system has been successfully activated. press ENTER to return

21. Select Data Stream, then select Pressures

41	42
SBC	Selection
 System Information Read Fault Code Clear Fault Code Data Stream Activation 	 Voltage supply RPM Sensor Pressures Switches Brake data



22. Check if the data stream of pressures is within the standard value, then test driving.



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