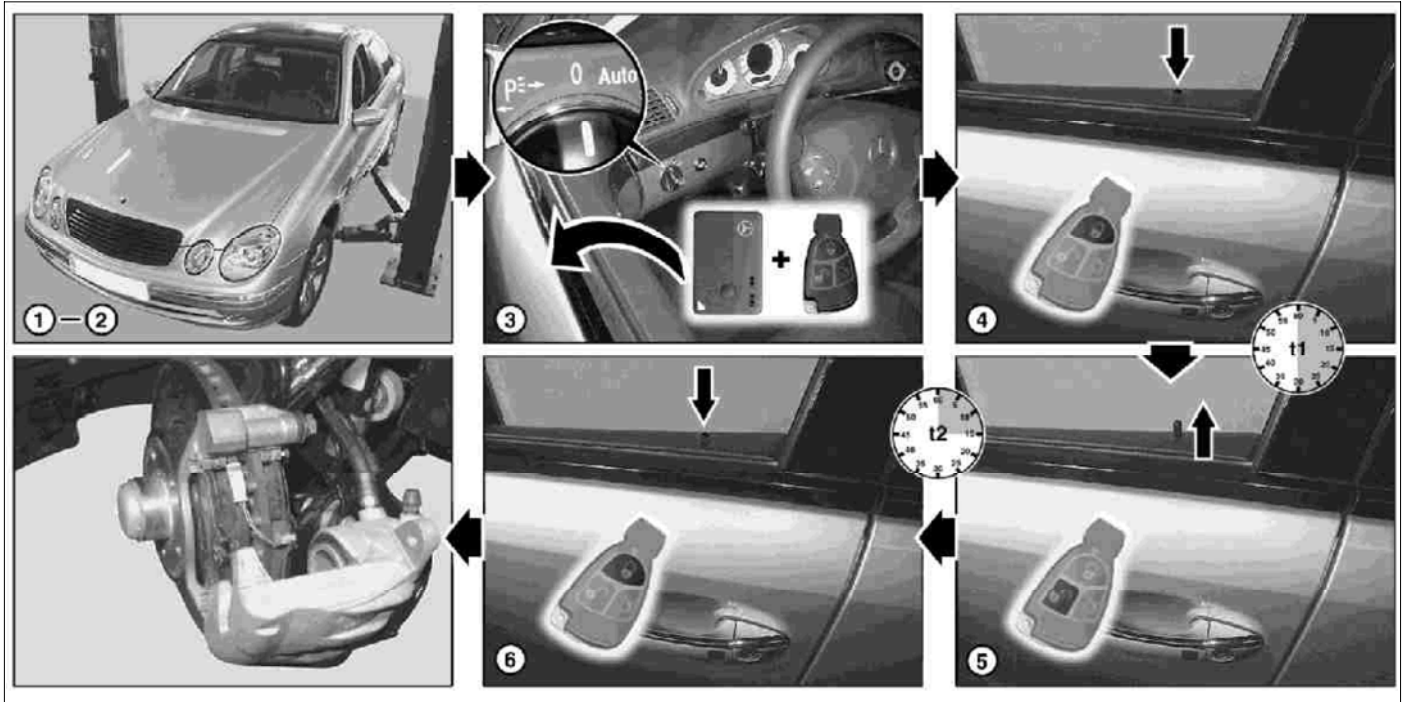


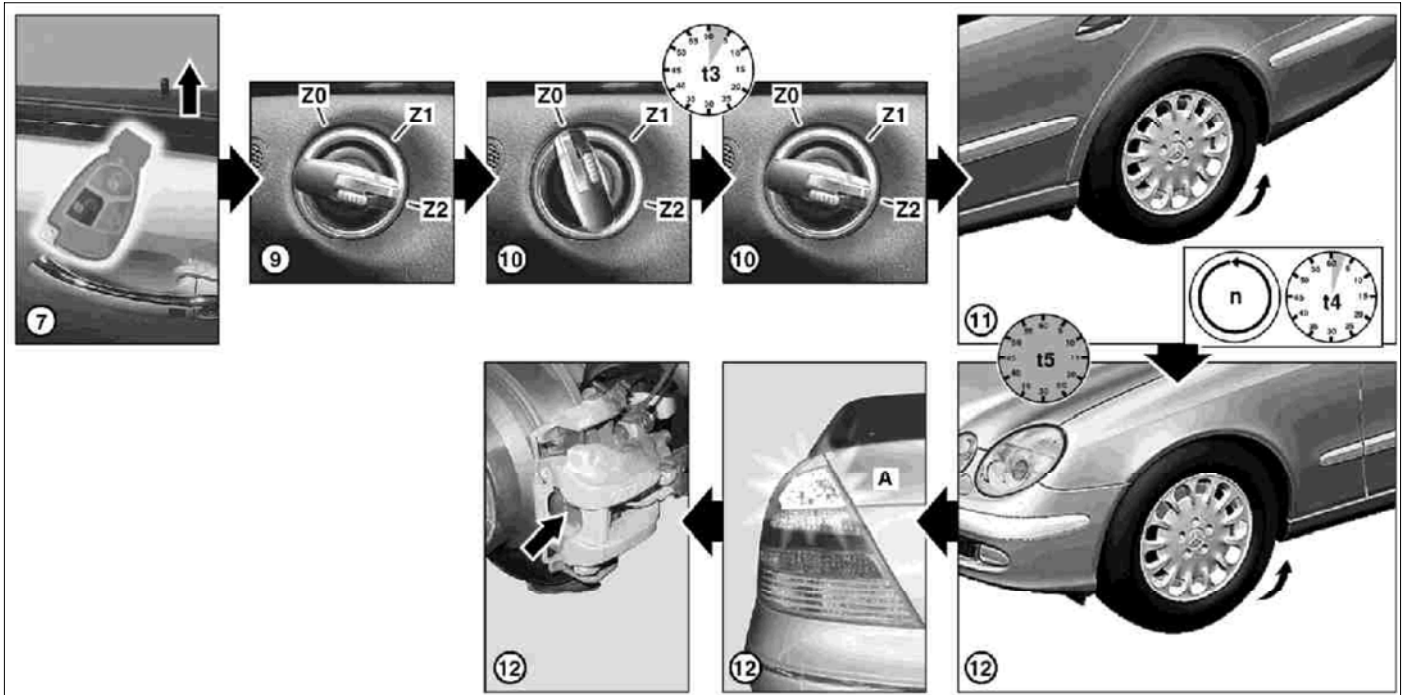
MODEL 211  
MODEL 230



P42.10-2232-09

t1 min. 30 seconds

t2 min. 15 seconds

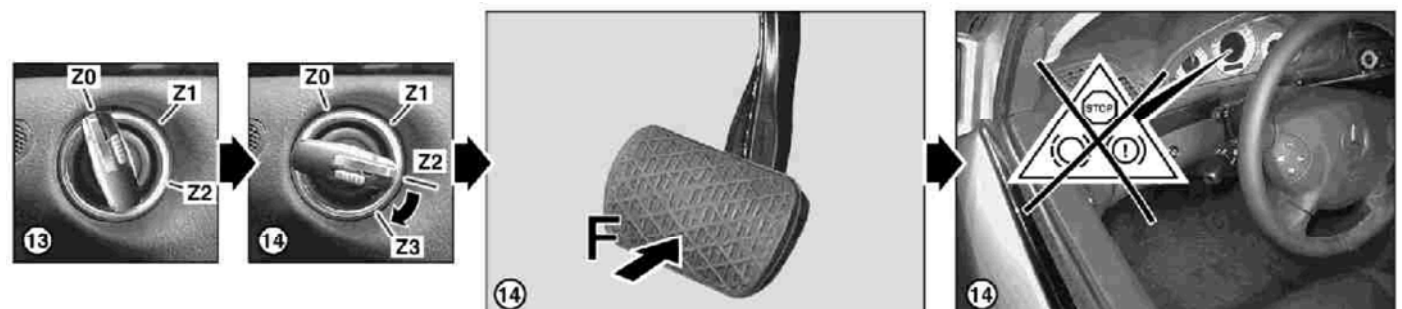


P42.10-2233-09

t3 1 to 5 seconds  
t4 min. 3 seconds  
t5 max. 60 seconds

Z0 Ignition off  
Z1 Power supply to consumers  
Z2 Ignition ON














A 3-times flashing on and off  
n 1 to 2 revolution/s



P42.10-2234-07

**Modification notes**

29.11.02	Prevent the SBC self-test method and apply brake pads, without Star Diagnosis revised	Work procedure completely revised	
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	<b>Remove/install</b>		
 <b>Danger!</b>	Risk of injury. When working on the SBC brake system, body parts may be jammed or crushed and skin and eye injuries may result due to brake fluid escaping under high pressure.	Disable the SBC self-test	AS42.46-Z-0001-01B
 <b>Danger!</b>	<b>Risk of death.</b> Death may result if vehicle slips or topples from the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
	The SBC system must be deactivated on a mandatory basis using STAR DIAGNOSIS before working on the operating unit or hydraulic unit. Brake lining replacement and brake fluid change must not be carried out simultaneously. Before working on the SBC brake system the sequence of the SBC self-test must be prevented, as this leads to the brake pistons moving out automatically. When working on the SBC brake system the brake pedal must not be pressed under any circumstances as this leads to the brake pistons moving out automatically. Inadvertent operation of the brake pedal must be prevented reliably by suitable measures. When working on the SBC brake system no persons or animals must stay in the vehicle		
	Before starting work it is absolutely essential to read through the complete work description as the operations have to be completed in rapid succession. To carry out the operations correctly a second person must be present as within the work procedure certain signals cannot be seen by one person		
	If the work procedure is revised or if the time requirements cannot be adhered to, the operations cannot be carried out correctly		
1	Position the vehicle on the two-pillar or four-pillar lifting platform		
2	Open driver-side side window		
3	Switch off all the vehicle's electrical consumers and remove the key from the ignition switch	 Vehicles with code (889) Keyless Go: Press starting-stop button repeatedly until the ignition is switched off.	
	<b>Disable the SBC self-test</b>		
4	Close the vehicle doors and have the vehicle locked globally for a minimum of 30 seconds (t1)	 Vehicles with code (889) Keyless Go: remove Keyless Go cards or key from the vehicle and store outside of transmitter range (for at least 2 minutes) . During this time the run-on of the SBC brake system elapses.	
5	Unlock the vehicle for a minimum of 15 seconds (t2)	 From now on the brake pedal must not be pressed anymore. An SBC self-test may run during this time.	
6	Lock vehicle	 in order to prevent people getting in. If the engine hood is unlocked when the vehicle is locked, the alarm system is triggered.	
	15 seconds after locking the following operations can be carried out in the wheel brake area: D Replace front and rear brake pads, D Detach/attach front and rear brake disks, D Remove/install parking brake shoes Once the operations are completed the application routine must be activated	 The vehicle must not be unlocked under any circumstances during the work on the brake system.. The brake pad application routine is started by unlocking and the brake pads are possibly applied.	

	Activate application routine of brake pads		
<b>i</b>	The hydraulic unit temperature must be a maximum of 80 °C		
7	Unlock vehicle		
8	Raise the vehicle until all the wheels can be rotated freely		
9	Ignition On (Z2)	<b>i</b> Through the open side window. Vehicles with code (889) Keyless Go : Do not activate any Keyless-Go functions for the following operations.	
10	Ignition Off (Z0), wait for 1 to 5 seconds t2 and switch ignition On again (Z2)	<b>i</b> Do not start engine! The ignition remains switched on for the further steps.	
11	Rotate the rear left wheel quickly and evenly in the running direction	<b>i</b> Rotate the wheel for a minimum of 3 seconds (t4) (1 to 2 revolution (s), then bring the wheel to a stop.	
12	Rotate the front left wheel quickly and evenly in the running direction	<b>i</b> The front left wheel must be rotated a maximum of 60 seconds (t5) after the rear left wheel. Rotate the wheel (1 to 2 revolution(s) until it is braked automatically. Flashing on and off 3 times confirms successful activation. # The brake lining application routine is started. The front and rear brake pads are applied several times. After √ 50 seconds the brake lining application is ended.	
13	Lower the vehicle and switch off ignition (Z0)		
14	Start the engine and depress the brake pedal 5 to 10 times	<b>i</b> If a fault message is displayed in the multifunction display: # Repeat activation of application routine. If the error message continues to be shown in the multifunction display after repeating the application routine several times: # Apply the brake pads using STAR DIAGNOSIS, read out and erase diagnostic trouble code memory.	*WE58.40-Z-1013-06A

**Workshop equipment/MB testers** (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	Diagnostic system STAR DIAGNOSIS, compact passenger vehicle, order number 6511 1801 00
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