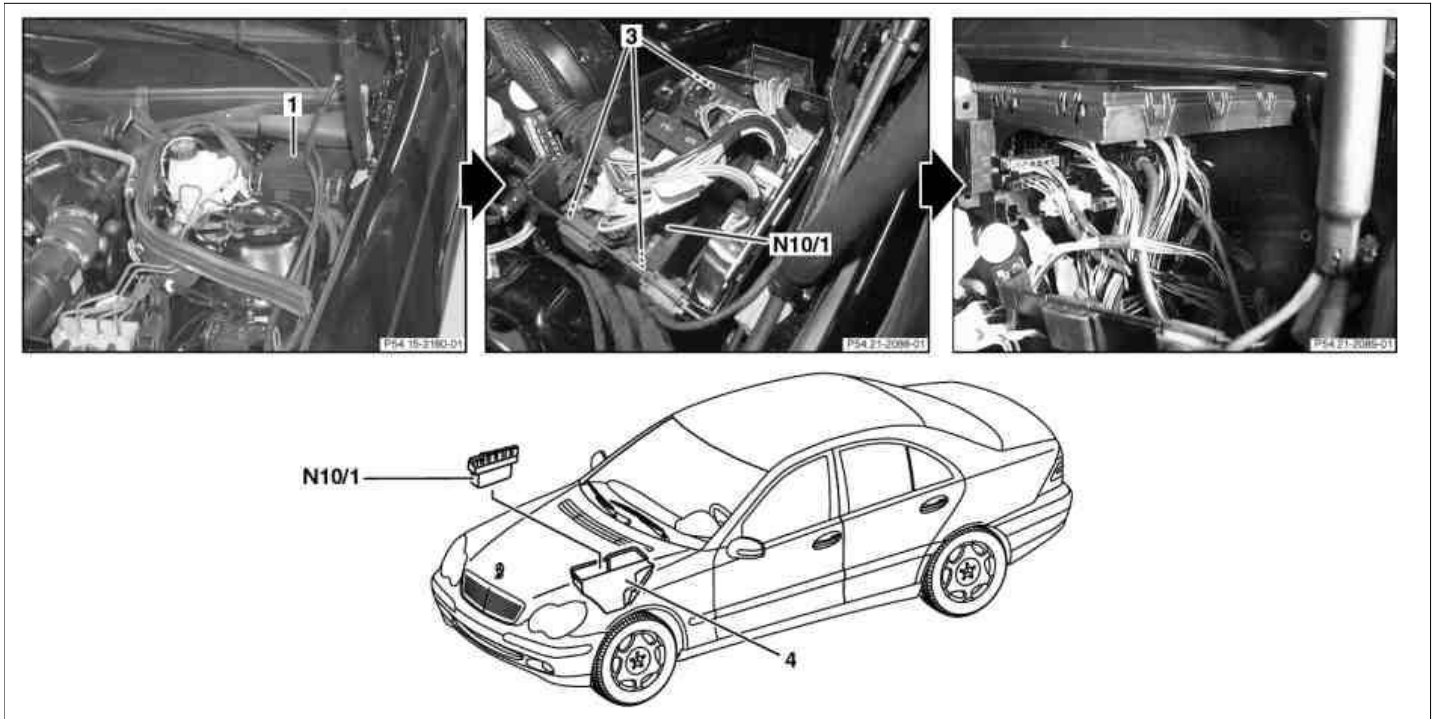


MODEL 203, 209



P54.21-2086-09

Shown on model 203.0

1 Cover

3 Bolts

4 Module box

N10/1 Front SAM control unit with fuse and relay module

Shown on model 203.0, engine 642

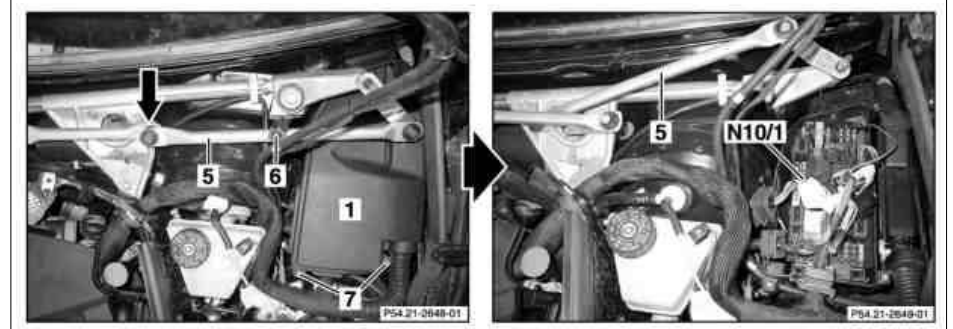
1 Cover

5 Wiper linkage

6 Bracket















7 Bolts

N10/1 Front SAM control unit with fuse and relay module



P54.21-2647-04

	Remove/install		
1.1          <b>AD</b>	Connect STAR DIAGNOSIS and buffer basic data from driver-side SAM control unit with fuse and relay module (N10/1) in STAR DIAGNOSIS.          Connect STAR DIAGNOSIS and read out fault memory	When replacing the front SAM control unit with fuse and relay module (N10/1).          <b>i</b> <b>Installation:</b> transfer buffered basic data to the new front SAM control unit with fuse and relay module (N10/1).    STAR DIAGNOSIS diagnosis system	          <b>AD00.00-P-2000-04A</b>  <b>*WH58.30-Z-1048-13A</b>
<b>⚠ Danger!</b>          2.1	<b>Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.</b> Set wiper arms to vertical position	Always remove ignition key when working on windshield wiper mechanism.          Engine 111 Engine 112 Engine 113 Engine 271 Engine 611 Engine 612 Engine 646	<b>AS82.30-Z-0001-01A</b>

2.2	Remove water collector	 Only for engine 642 Model 203 Model 209	AR83.25-P-1402P AR83.25-P-1402Q
3.1	Unscrew wiper linkage (5) from wiper hinge (arrow), move over the bracket (6) and position outside the working area	 Only for engine 642	
4	Disconnect battery ground cable	Model 203 Model 209	AR54.10-P-0003P AR54.10-P-0003Q
	Notes on battery	All models	AH54.10-P-0001-01A
5.1	Unlock and remove cover (1) on module housing (4)	 <b>Installation: Check gasket for damage</b>  Engine 111 Engine 112 Engine 113 Engine 271 Engine 611 Engine 612 Engine 646	
5.2	Unscrew bolts (7) and remove cover (1) of module box (4)	 <b>Installation: Check gasket for damage</b>  Engine 642	
6.1	Remove injection system control unit	Engine 111 Engine 112 Engine 113 Engine 611 Engine 612 Engine 646	AR07.08-P-7008P
6.2	Remove front SAM control unit with fuse and relay module (N10/1) from guide.	Engine 271	
7	Remove bolts (3)		
8	Release and remove upper connectors	 <b>Removal:</b> Disconnect cables from control unit and fuse and relay box  <b>Installation:</b> Connect cables on control unit and fuse and relay box	AR54.18-P-1261-01P AR54.18-P-1261-02P
9	Expose wiring harness.		
10	Remove front SAM control unit with fuse and relay module (N10/1) upwards.	 Only pull out far enough for the connectors to be accessible.	
11	Release and remove lower connectors	 <b>Removal:</b> Disconnect cables from control unit and fuse and relay box  <b>Installation:</b> Connect cables on control unit and fuse and relay box	AR54.18-P-1261-01P AR54.18-P-1261-02P
12	Remove front SAM control unit with fuse and relay module (N10/1).  <b>GF</b> Fuse assignment, as-built configuration  <b>GF</b> Fuse assignment, as-built configuration  <b>GF</b> Relay assignment, as-built configuration	 When replacing, the fuse and relay assignment must be inspected. Model 203 Models 209.316/342/343/361/365/375/376 Model 203, 209.316/342/343/361/365/375/376	GF54.15-P-1256P GF54.15-P-1256Q GF54.15-P-1257P
13	Install in the reverse order		

#### Commercially available tools

Number	Designation	
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car	6511 1801 00