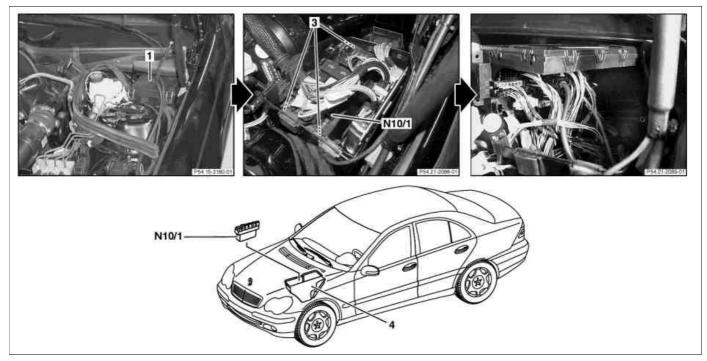
MODEL 203, 209



P54.21-2086-09

Shown on model 203.0

1 Cover

Shown on model 203.0, engine 642

Cover
 Wiper linkage
 Bracket

7 Bolts N10/1 Front SAM control unit with fuse

and relay module

3 Bolts4 Module box



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



P54.21-2647-04

XX	Remove/install		
1.1	Connect STAR DIAGNOSIS and buffer basic data from driver-side SAM control unit with fuse and relay module (N10/1) in STAR DIAGNOSIS.	When replacing the front SAM control unit with fuse and relay module (N10/1).	
		i Installation: transfer buffered basic data to the new front SAM control unit with fuse and relay module (N10/1).	
⊯ AD	Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A
		STAR DIAGNOSIS diagnosis system	*WH58.30-Z-1048-13A
⚠ Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.	Always remove ignition key when working on windshield wiper mechanism.	AS82.30-Z-0001-01A
2.1	Set wiper arms to vertical position	Engine 111 Engine 112 Engine 113 Engine 271 Engine 611 Engine 612 Engine 646	
2.2	Remove water collector	i 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	i Only for engine 642	

4	Disconnect battery ground cable		
		Model 203	AR54.10-P-0003P
		Model 209	AR54.10-P-0003Q
(1)	Notes on battery	All models	AH54.10-P-0001-01A
5.1	Unlock and remove cover (1) on module housing (4)	i Installation: Check gasket for damage	
		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)	i Installation: Check gasket for damage	
		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.		
7	Remove bolts (3)		
8	Release and remove upper connectors	i Removal: Disconnect cables from control unit and fuse and relay box	AR54.18-P-1261-01P
		Installation: Connect cables on control unit and fuse and relay box	AR54.18-P-1261-02P
9	Expose wiring harness.		
10	Remove front SAM control unit with fuse and relay module (N10/1) upwards.	i Only pull out far enough for the connectors to be accessible.	
11	Release and remove lower connectors	i Removal: Disconnect cables from control unit and fuse and relay box	AR54.18-P-1261-01P
		i Installation: Connect cables on control unit and fuse and relay box	AR54.18-P-1261-02P
12	Remove front SAM control unit with fuse and relay module (N10/1).	i When replacing, the fuse and relay assignment must be inspected.	
F GF	Fuse assignment, as-built configuration	Model 203	GF54.15-P-1256P
F GF	Fuse assignment, as-built configuration	Models 209.316/342/343/361/365/375/376	GF54.15-P-1256Q
GF GF	Relay assignment, as-built configuration	Model 203, 209.316/342/343/361/365/ 375/376	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