

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

	<p>Remove/install</p>		
<p>1.1</p> <p> AD</p>	<p>Connect STAR DIAGNOSIS and buffer basic data from driver-side SAM control unit with fuse and relay module (N10/1) in STAR DIAGNOSIS.</p> <p>Connect STAR DIAGNOSIS and read out fault memory</p>	<p>When replacing the front SAM control unit with fuse and relay module (N10/1).</p> <p>i Installation: transfer buffered basic data to the new front SAM control unit with fuse and relay module (N10/1).</p> <p>STAR DIAGNOSIS diagnosis system</p>	<p>AD00.00-P-2000-04A</p> <p>*WH58.30-Z-1048-13A</p>
<p> Danger!</p> <p>2.1</p>	<p>Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.</p> <p>Set wiper arms to vertical position</p>	<p>Always remove ignition key when working on windshield wiper mechanism.</p> <p>Engine 111 Engine 112 Engine 113 Engine 271 Engine 611 Engine 612 Engine 646</p>	<p>AS82.30-Z-0001-01A</p>
<p>2.2</p>	<p>Remove water collector</p>	<p>i Only for engine 642 Model 203 Model 209</p>	<p>AR83.25-P-1402P AR83.25-P-1402Q</p>
<p>3.1</p>	<p>Unscrew wiper linkage (5) from wiper hinge (arrow), move over the bracket (6) and position outside the working area</p>	<p>i Only for engine 642</p>	

4	Disconnect battery ground cable	Model 203 Model 209 All models	AR54.10-P-0003P AR54.10-P-0003Q AH54.10-P-0001-01A
	Notes on battery		
5.1	Unlock and remove cover (1) on module housing (4)	 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)	 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.	Engine 271	
7	Remove bolts (3)		
8	Release and remove upper connectors	 Removal: Disconnect cables from control unit and fuse and relay box  Installation: 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	 Removal: Disconnect cables from control unit and fuse and relay box  Installation: 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).  GF  GF  GF	 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