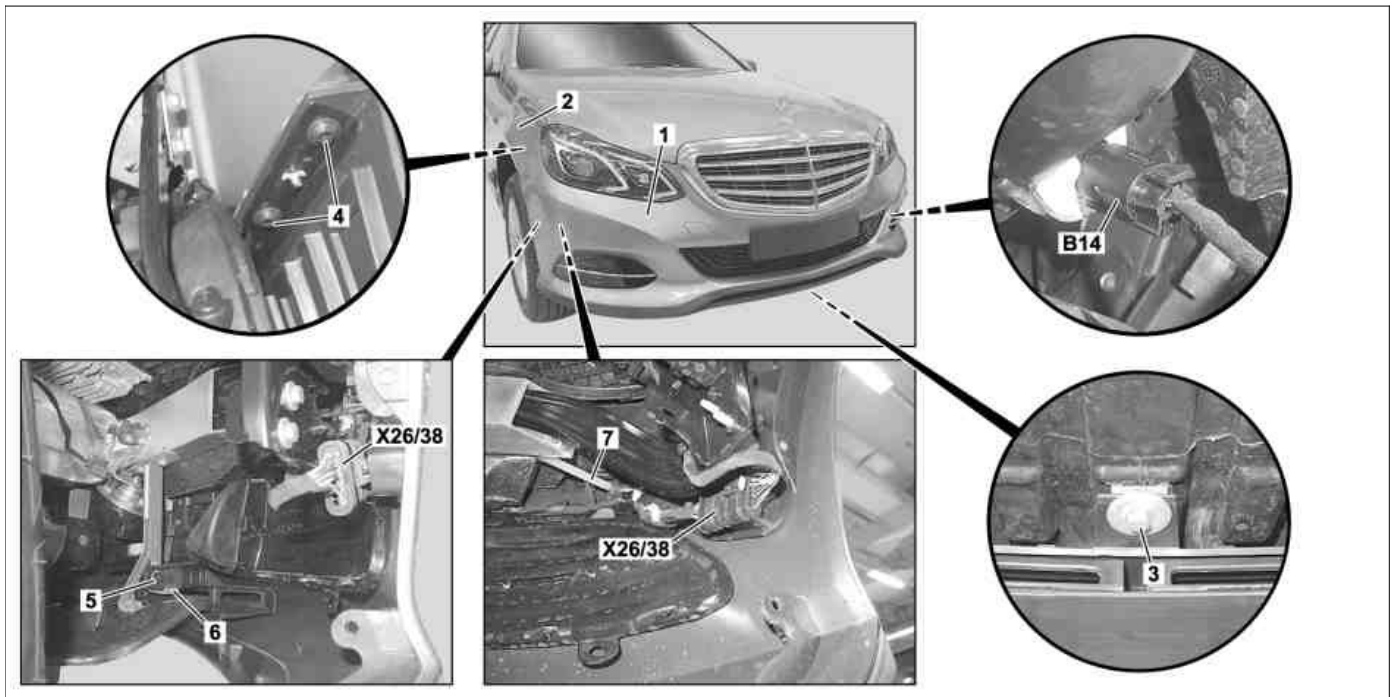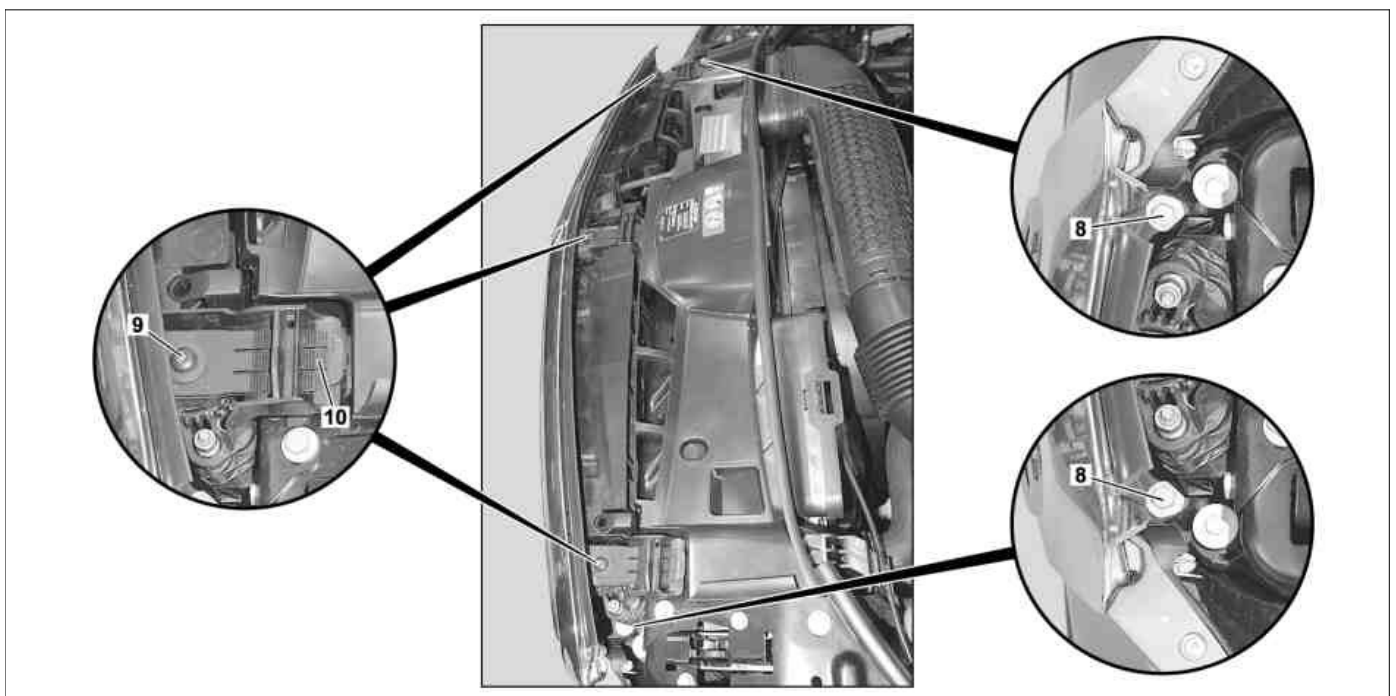**Model 212**
 **as of model year 2014**



P88.20-4009-09

| | | | |
|---|---|---|---|
| 1 | Front bumper | 6 | Bracket |
| 2 | Front fender | 7 | Pedestrian protection sensor (with CODE U60 (Active engine hood (pedestrian protection))) |
| 3 | Screw | B14 | Outside temperature sensor |
| 4 | Bolts | X26/38 | Front bumper and frame wiring harness electrical connector |
| 5 | Screw | | |



P88.20-4008-09

| 8 | Screw | | |
|---|---|---|---|
| 9 | Screw | 10 | Catch hook |

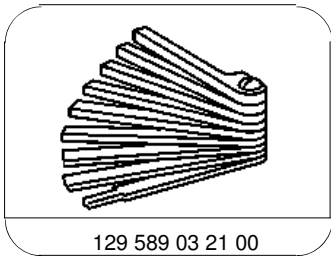| | | | |
|---|---|---|---|
| ⓘ | Information on preventing damage to electronic components due to electrostatic discharge | | AH54.00-P-0001-01A |
| ⛶ | **Remove** | | |
| 1 | Open engine hood | | AR88.40-P-1000EW |
| 2 | Disconnect battery ground line | Model 212<br> as of model year 2014<br> with code U60 (Active Bonnet (Pedestrian protection)) | AR54.10-P-0003EW |
| ⚠ **Danger !** | **Risk of death** caused by vehicle slipping or toppling off of the lifting platform. | Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer. | AS00.00-Z-0010-01A |
| 3 | Lift vehicle on vehicle lift | | |
| 4 | Unscrew bolt (3) | | |
| 5 | Remove fender liner in front part of right and left front fender | | AR88.10-P-1300ELX |
| 6 | Unscrew bolts (4) on left and right front fender (2) | | |
| 7 | Unscrew bolt (5) form left and right bracket (6) | | |
| ◁ | **Check** | | |
| 8<br><br>ⓘ | Check freely visible points on pedestrian protection sensor (7) for damage of any kind (cracks, holes, breakovers, etc.) when installed<br>Notes on pedestrian protection sensor | Model 212<br> as of model year 2014<br> with code U60 (Active Bonnet (Pedestrian protection))<br><br>If damage is visible.<br>↓<br>Replace pedestrian protection sensor (7) | AH91.60-P-0001-01A<br><br><br><br>AR91.60-P-0950EWM |
| 9 | Disconnect electrical connector on frame wiring harness and front bumper (X2638) | | |
| 10 | Unclip outside temperature sensor (B14) | | |
| 11 | Remove bolt (8) | ⓘ **Installation:** Screw in bolts (8) only to stop because it may be necessary to check and adjust the gap dimensions after bumper (1) installation. | |
| 12 | Remove screw/bolts (9) | ⓘ **Installation:** Screw in bolts (9) only after adjustment work. | |
| 13 | Push catch hooks (10) downward and toward front | ⓘ **Installation:** Only position catch hooks (10) in guides. | |
| 14<br>ⓘ | Remove front bumper (1)<br>General information on the impact absorber | <br><br>ⓘ **Installation:** Check gap dimensions on front bumper (1).<br>In the event of complaints<br>↓<br>Adjust front bumper (1)<br><br><br>Gap dimension<br>🗇 Feeler gauge | AH88.20-P-1000-01A<br><br><br><br><br>AR88.20-P-2001EWM<br>AR60.00-P-0700-01EW<br>*BE60.00-P-1006-01U<br>*129589032100 |
| 15 | Disassemble front bumper (1) | Only when replacing front bumper (1). | AR88.20-P-2050EWM |
| 16 | Install in the reverse order | | |
| 17<br><br>☞AD | Calibrate front 360° camera using the diagnostic system | Model 212<br> as of model year 2014<br> with code 501 (360° camera) | AD00.00-P-2000-04A |
| ◁ | **Check** | | |
| 18 | Switch on ignition, engage reverse gear and release parking brake | Model 212<br> as of model year 2014<br> with code 235 (Active Parking Assist with PARKTRONIC) | |

| | | | | | |
|---|---|---|---|---|---|
| 19 | Switch on active parking assist and check whether active parking assist is ready for operation | Model 212<br> as of model year 2014<br> with code 235 (Active Parking Assist with PARKTRONIC)<br>ⓘ The active parking assist automatically performs a self-test and the operational readiness is signaled via the warning indicators. | | | |
| 20 | Check PARKTRONIC system for proper function | Model 212<br> as of model year 2014<br> with code 220 (PARKTRONIC) | | | |

**Check values for gap dimensions**

| Number | Designation | | | | Model 212.0/1 | Model 212.2 |
|---|---|---|---|---|---|---|
| BE60.00-P-1006-01U | Gap dimension | Engine hood to headlamp | Dimension "B1" | mm | 3,5 (±1) | 3,5 (±1) |
| | | Engine hood to radiator grille/bumper | Dimension "C1" | mm | 3,5 (±1) | 3,5 (±1) |
| | | Offset: Engine hood to radiator grille/ bumper | Dimension "C2" | mm | 1 (−0,5/+1) | 1 (−0,5/+1) |
| | | Bumper to headlamp, outside | Dimension "F1" | mm | 2,5 (±1,5) | 2,5 (±1,5) |
| | | Bumper to headlamp, bottom/inside | Dimension "F2" | mm | 2 (−1/+1,5) | 2 (−1/+1,5) |
| | | | Picture | | AR60.00-P-0700-01EW | AR60.00-P-0700-01EW |



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Feeler gauge