

**Model 164, 166, 292**

**Modification notes**

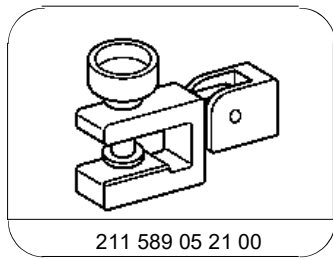
|         |                                       |                               |  |
|---------|---------------------------------------|-------------------------------|--|
| 9.11.15 | Special tool (231 589 00 21 00) added | Operation step 2.2, 5.2, 17.2 |  |
|---------|---------------------------------------|-------------------------------|--|

**Test and adjustment values for wiper arms**

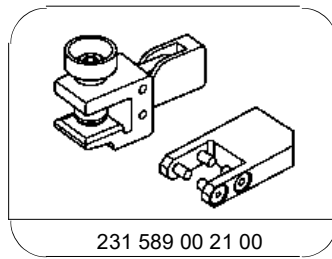
| Number             | Designation  |                          | Model 164      | Model 166   |             |
|--------------------|--|--------------------------|----------------|-------------|-------------|
| BE82.30-P-1003-01J | Angle of incidence of driver-side wiper arm in parked position | Left-hand drive vehicle  | $\Delta^\circ$ | +2,0...+6,0 | +2,0...+6,0 |
|                    |  | Right-hand drive vehicle | $\Delta^\circ$ | -2,0...-6,0 | -2,0...-6,0 |

**Test and adjustment values for wiper arms**

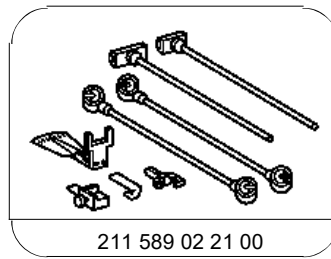
| Number             | Designation  |                          | Model 292      |             |
|--------------------|--|--------------------------|----------------|-------------|
| BE82.30-P-1003-01J | Angle of incidence of driver-side wiper arm in parked position | Left-hand drive vehicle  | $\Delta^\circ$ | +1,1...+5,1 |
|                    |  | Right-hand drive vehicle | $\Delta^\circ$ | -1,1...-5,1 |



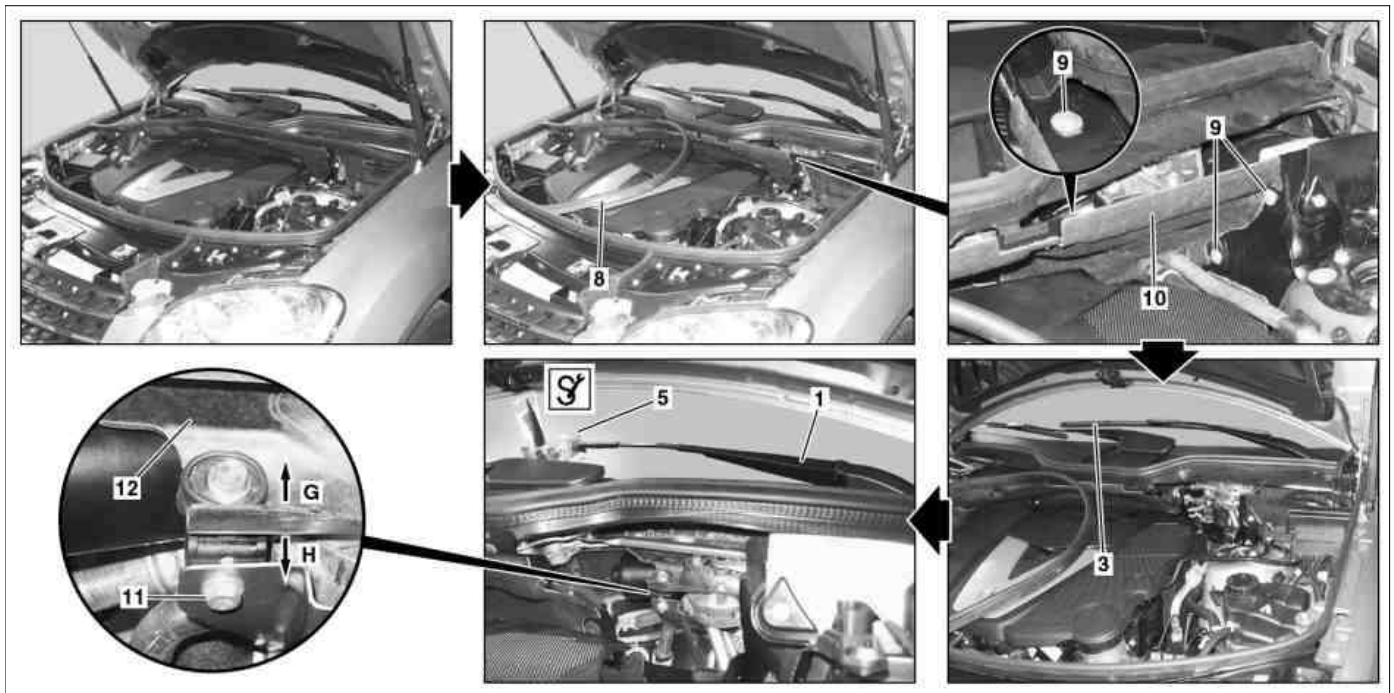
Adapter














Adapter



Adjusting tool set



- 1 Remove angle gauge (5) from  adjustment tool set (211 589 02 21 00).
- 2.1 Model 164 up to 8/24/11, 166 up to 8/24/11  
 Insert adapter (211 589 05 21 00) into guide of angle gauge (5) and fix in place with screw/bolt at angle gauge (5).
- 2.2 Model 166 as of 8/25/11  
Model 292  
 Insert adapter (231 589 00 21 00) into guide of angle gauge (5) and fix in place with screw/bolt at angle gauge (5).
- 3 Position wiper arms in park position.  
  
If the wiper arms are not in the park position.
- 4 Raise driver-side wiper arm (1) and remove driver-side wiper blade (3).  
  
 When working on raised driver-side wiper arm (1), ensure that this does not fall onto the windshield. Otherwise windshield will be damaged.
- 5.1 Model 164 up to 8/24/11, 166 up to 8/24/11  
 Slide adapter (211 589 05 21 00) with angle gauge (5) onto wiper blade mount of driver-side wiper arm (1) and clamp tight with screw/bolt.
- 5.2 Model 166 as of 8/25/11  
Model 292  
 Slide adapter (231 589 00 21 00) with angle gauge (5) onto wiper blade mount of driver-side wiper arm (1) and clamp tight with screw/bolt.
- 6 Lower driver-side wiper arm (1) carefully onto windshield.  
  
 All three contact points at the foot of angle gauge (5) must make contact with the windshield.
- 7 Open hood.
- 8 Pull off seal (8) on driver side approx. up to the vehicle center.
- 9 Remove screws/bolts (9).
- 10 Remove partition wall (10).
- 11 Loosen bolt (11).
- 12 Enlarge the angle of incidence of the driver-side wiper arm (1) by lifting (arrow G) the windshield wiper system (12) or reduce it by lowering (arrow H) the windshield wiper system (12).
- 13 Tighten bolt (11), once the correct angle of incidence has been adjusted.
- 14 Insert partition wall (10) screw in screws/bolts (9).
- 15 Install seal (8).
- 16 Close hood.
- 17.1 Model 164 up to 8/24/11, 166 up to 8/24/11  
Raise driver-side wiper arm (1) and remove  adapter (211 589 05 21 00) together with angle gauge (5) from driver-side wiper arm (1).  
  
 When working on raised driver-side wiper arm (1), ensure that this does not fall onto the windshield. Otherwise windshield will be damaged.
- 17.2 Model 166 as of 8/25/11  
Model 292  
Raise driver-side wiper arm (1) and remove  adapter (231 589 00 21 00) together with angle gauge (5) from driver-side wiper arm (1).  
  
 When working on raised driver-side wiper arm (1), ensure that this does not fall onto the windshield. Otherwise windshield will be damaged.
- 18 Attach driver side wiper blade (3) and fold driver-side wiper arm (1) onto windshield.