

## ACCESSORIES & EQUIPMENT

### Restraints and Towing - Tightening Torques

## SEAT BELTS

### 72 12 AIRBAG MODULES

#### AIRBAG MODULES-TIGHTENING TORQUE SPECIFICATIONS

|                                                                                     | Type                    | Thread                                    | Tightening specification | Measure |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------|--------------------------|---------|
| 1AZ Airbag module in door, door trim panel or in side frame, holder                 | E36/E38/E39/E46/E52/E53 |                                           |                          | 8.5 Nm  |
| 2AZ Gas generator of ITS head airbag on body                                        | E38/E53                 | M6 nut                                    |                          | 4 Nm    |
|                                                                                     | E83                     |                                           |                          | 6.5 Nm  |
| 3AZ Bracket of ITS head airbag on body                                              | E38/E39/E46             | Metal screw                               |                          | 2.5 Nm  |
|                                                                                     | E83                     |                                           |                          | 6.5 Nm  |
| 4AZ ITS head airbag to body (end fitting)                                           | E38/E39/E46/E53         |                                           |                          | 11 Nm   |
|                                                                                     | E83                     |                                           |                          | 6.5 Nm  |
| 5AZ Additional steel bracket for ITS head airbag on body                            | E38/L7                  | Self-tapping screw M5                     |                          | 3 Nm    |
| 6AZ Gas generator of ITS head airbag on body                                        | E39/E46                 | M6 nut or oval-head screw, thread tapping |                          | 4 Nm    |
| 7AZ Passenger airbag module on instrument panel carrier                             | E36 except Z3/E52       | M8                                        |                          | 22 Nm   |
| 8AZ Passenger airbag module on instrument panel carrier                             | E36 Z3                  | M8                                        |                          | 24 Nm   |
| 9AZ Passenger airbag module on instrument panel carrier                             | E38/E39                 | M6 nut                                    |                          | 10 Nm   |
|                                                                                     | E83                     | M6 nut with pressed-on washer             |                          | 6 Nm    |
|                                                                                     | E85                     | M6                                        |                          | 8 Nm    |
| 10AZ Retaining strap for cover, passenger airbag module on instrument panel carrier | E46/E52/E83             | M6                                        |                          | 9 Nm    |
| 11AZ Passenger airbag module on instrument panel carrier                            | E46/E53                 | M8 nut                                    |                          | 22 Nm   |
| 12AZ Head airbag cassette in rear compartment to body                               | E38/E39                 | M6                                        |                          | 11 Nm   |

|                                                                           |               |             |                |      |
|---------------------------------------------------------------------------|---------------|-------------|----------------|------|
| 13AZ Gas generator, head airbag in rear compartment, to body              | E38           | M6 nut      |                | 4 Nm |
| 14AZ Bracket of ITS head airbag on body                                   | E46 Coupe/E53 | Metal screw |                | 4 Nm |
| 15AZ ITS head airbag gas generator to body for conversion from 1.0 to 1.1 | E38           | M6          |                | 4 Nm |
| 16AZ Gas generator, head airbag, in rear comp. to body (parcel shelf)     | E39           | M6          |                | 4 Nm |
| 17AZ Head airbag cassette in rear compartment to body                     | E53           | Metal screw |                | 3 Nm |
| 18AZ Gas generator, head airbag in rear compartment, to body              | E53           | M6          |                | 4 Nm |
| 19AZ Airbag module for knee protection                                    | E85           | M6          | Replace screws | 8 Nm |

## 72 12 AIRBAG MODULES

### AIRBAG MODULES-TIGHTENING TORQUE SPECIFICATIONS

|                                                    | Type    | Thread                      | Tightening specification | Measure    |
|----------------------------------------------------|---------|-----------------------------|--------------------------|------------|
| 1AZ Passenger airbag module (instrument panel)     | E70/E71 | Replace screws              |                          | 4 ± 0.3 Nm |
| 2AZ Bracket, folding pack for head airbag, to body | E70     | Metal screw                 |                          | 5 Nm       |
|                                                    | E70/E71 | Oval-head screw with collar |                          | 4 Nm       |
| 3AZ Ramp to body                                   |         |                             |                          |            |
| - to B-pillar                                      | E70/E71 |                             |                          | 4 Nm       |
| - to C-pillar                                      | E70     |                             |                          | 4 Nm       |
| 4AZ Gas generator<br>- to side frame               | E70/E71 |                             |                          | 4 Nm       |
| 5AZ Deformation plate<br>- to A-pillar             | E70/E71 |                             |                          | 4 Nm       |
| 6AZ Airbag module<br>- to seat side frame          | E70/E71 |                             |                          | 6 Nm       |

## 72 11 SEAT BELTS

### SEAT BELTS-TIGHTENING TORQUE SPECIFICATIONS

|  | Type | Thread | Tightening specification | Measure |
|--|------|--------|--------------------------|---------|
|--|------|--------|--------------------------|---------|

|                                                                                                |                                 |  |                |        |
|------------------------------------------------------------------------------------------------|---------------------------------|--|----------------|--------|
| 1AZ Seat belt,<br>Automatic reel,<br>Lower strap,<br>Anchor fitting,<br>Belt tensioner to body | E36/E31/E38/E39/E46/E52/E53/E83 |  | Replace screws | 31 Nm  |
| Seat belt on B-pillar                                                                          | All, except E53                 |  | Replace screws | 31 Nm  |
| Seat belt/belt tensioner to seat,<br>on Touring also to rear seat<br>backrest                  | All, except E52/E53             |  | Replace screws | 48 Nm  |
| 2AZ Screws for seatbelt height<br>adjustment on body                                           | All                             |  | Replace screws | 22 Nm  |
| 3AZ Seat belt to seat Install<br>bolt with bolt cement.                                        | E31                             |  | Replace screws | 47 Nm  |
| 4AZ Seat belt to backrest                                                                      | E31                             |  | Replace screws | 24 Nm  |
| 5AZ Headrest to backrest                                                                       | E31                             |  |                | 24 Nm  |
| 6AZ Seat belt at belt height<br>adjustment (reversing clip)                                    | All                             |  | Replace screws | 31 Nm  |
| 7AZ Tension relief between<br>roller sun blind bracket and<br>backrest lock bracket            | E39/2                           |  |                | 24 Nm  |
| 8AZ Retaining angle, belt<br>tensioner to seat rail                                            | E46/E83                         |  | Replace screws | 24 Nm  |
| 9AZ Slide bar to body                                                                          | E46                             |  | Replace screws | 44 Nm  |
| 10AZ Counter-support plate to<br>body, B-and C-pillars                                         | E53                             |  |                | 39 Nm  |
| 11AZ Seat belt to seat (end<br>fitting)                                                        | All                             |  | Replace screws | 45 Nm  |
| 12AZ Screw of seatbelt height<br>adjuster to counter-support<br>plate                          | E53                             |  | Replace screws | 31 Nm  |
| 13AZ Belt tensioner to seat                                                                    | E83                             |  | Replace screws | 45 Nm  |
|                                                                                                | E52/E53                         |  | Replace screws | 31 Nm  |
| 14AZ Inertial reel unit to<br>body/B-pillar                                                    | E53/E83                         |  | Replace screws | 31 Nm  |
| 15AZ Automatic reel on rear<br>seat backrest                                                   | E53                             |  | Replace screws | 45 Nm  |
|                                                                                                | E83                             |  | Replace screws | 35 Nm  |
| 16AZ Belt guide to front seat<br>(sash guide to head restraint<br>clip)                        | E46 Convertible                 |  | Replace screws | 8 Nm   |
| 17AZ Automatic reel to front<br>seat backrest                                                  | E46 Convertible                 |  | Replace screws | 39 Nm  |
| 18AZ Coupling gearing to<br>centering pin                                                      | E46 Convertible                 |  |                | 2.5 Nm |
|                                                                                                |                                 |  |                |        |

|                                                  |         |  |                |            |
|--------------------------------------------------|---------|--|----------------|------------|
| 19AZ Corner hoop to side panel, inner (B-pillar) | E53/E83 |  |                | 3 ± 0.5 Nm |
| 20AZ Upper belt loop to body                     | E83     |  | Replace screws | 31 Nm      |
| 21AZ Automatic reel to body                      | E83     |  | Replace screws | 31 Nm      |

## 72 11 SEAT BELTS

### SEAT BELTS-TIGHTENING TORQUE SPECIFICATIONS

|                                                                  | Type    | Thread                      | Tightening specification | Measure    |
|------------------------------------------------------------------|---------|-----------------------------|--------------------------|------------|
| Seat belt, front:                                                |         |                             |                          |            |
| 1AZ Automatic reel<br>- to body                                  | E70/E71 |                             |                          | 36 Nm      |
| 2AZ Anchor fitting, belt<br>- to front seat                      | E70/E71 |                             |                          | 36 Nm      |
| 3AZ Belt tensioner<br>- to front seat                            | E70/E71 | Oval head screw<br>with ISA |                          | 31 ± 3 Nm  |
| 4AZ Corner hoop<br>- to B-pillar                                 | E70/E71 |                             |                          | 3 Nm       |
| 5AZ Belt deflector<br>- to B-pillar                              | E70/E71 |                             |                          | 36 Nm      |
| 6AZ Anchor fitting tensioner<br>- to front seat                  | E70/E71 |                             |                          | 36 Nm      |
| 7AZ Retaining plate<br>- to anchor fitting tensioner             | E70/E71 |                             |                          | 4.4 Nm     |
| Seat belt, rear (basic):                                         |         |                             |                          |            |
| 20AZ Automatic reel for rear seat,<br>through-loading            |         |                             |                          |            |
| middle to backrest                                               | E70     |                             |                          | 36 Nm      |
| - outer to body                                                  | E70/E71 |                             |                          | 36 Nm      |
| 21AZ Anchor fitting, belt                                        |         |                             |                          |            |
| - outer                                                          | E70/E71 |                             |                          | 36 Nm      |
| - middle                                                         | E70     |                             |                          | 63 Nm      |
| 22AZ Seat belt buckle                                            |         |                             |                          |            |
| - to body                                                        | E70/E71 |                             |                          | 63 Nm      |
| 23AZ Corner hoop<br>- to C-pillar                                | E70     |                             |                          | 3 ± 0.5 Nm |
| 24AZ Belt deflector<br>- to C-pillar                             | E70     |                             |                          | 36 Nm      |
| Seat belt, 2nd seat row<br>(with optional extra - 3rd seat row): |         |                             |                          |            |
| 25AZ Automatic reel for rear seat,<br>through-loading            |         |                             |                          |            |
|                                                                  |         |                             |                          |            |

|                           |     |  |  |            |
|---------------------------|-----|--|--|------------|
| - middle to backrest      | E70 |  |  | 36 Nm      |
| - outer to body           | E70 |  |  | 36 Nm      |
| 26AZ Anchor fitting, belt |     |  |  |            |
| - outer                   | E70 |  |  | 36 Nm      |
| - middle                  | E70 |  |  | 36 Nm      |
| 27AZ Seat belt buckle     |     |  |  |            |
| - to body                 | E70 |  |  | 36 Nm      |
| - to seat backrest frame  | E70 |  |  | 36 Nm      |
| 28AZ Corner hoop          |     |  |  |            |
| - to body                 | E70 |  |  | 3 ± 0.5 Nm |
| 29AZ Belt deflector       |     |  |  |            |
| - to body                 | E70 |  |  | 36 Nm      |
| Seat belt, 3rd seat row:  |     |  |  |            |
| 40AZ Automatic reel       |     |  |  |            |
| - to body                 | E70 |  |  | 36 Nm      |
| 42AZ Belt deflector       |     |  |  |            |
| - to body                 | E70 |  |  | 27 Nm      |
| 43AZ Anchor fitting, belt | E70 |  |  | 36 Nm      |
| 44AZ Seat belt buckle     |     |  |  |            |
| - to assembly frame       | E70 |  |  | 63 Nm      |
| 45AZ Dividing lock        |     |  |  |            |
| - to assembly frame       | E70 |  |  | 36 Nm      |

## AIRBAG GENERATOR

### 72 12 AIRBAG MODULES

#### AIRBAG MODULES-TIGHTENING TORQUE SPECIFICATIONS

|                                                                     | Type                    | Thread       | Tightening specification | Measure |
|---------------------------------------------------------------------|-------------------------|--------------|--------------------------|---------|
| 1AZ Airbag module in door, door trim panel or in side frame, holder | E36/E38/E39/E46/E52/E53 |              |                          | 8.5 Nm  |
| 2AZ Gas generator of ITS head airbag on body                        | E38/E53                 | M6 nut       |                          | 4 Nm    |
|                                                                     | E83                     |              |                          | 6.5 Nm  |
| 3AZ Bracket of ITS head airbag on body                              | E38/E39/E46             | Metal screw  |                          | 2.5 Nm  |
|                                                                     | E83                     |              |                          | 6.5 Nm  |
| 4AZ ITS head airbag to body (end fitting)                           | E38/E39/E46/E53         |              |                          | 11 Nm   |
|                                                                     | E83                     |              |                          | 6.5 Nm  |
| 5AZ Additional steel bracket for                                    | E38/L7                  | Self-tapping |                          | 3 Nm    |

|                                                                                     |                   |                                           |                |       |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------|----------------|-------|
| ITS head airbag on body                                                             |                   | screw M5                                  |                |       |
| 6AZ Gas generator of ITS head airbag on body                                        | E39/E46           | M6 nut or oval-head screw, thread tapping |                | 4 Nm  |
| 7AZ Passenger airbag module on instrument panel carrier                             | E36 except Z3/E52 | M8                                        |                | 22 Nm |
| 8AZ Passenger airbag module on instrument panel carrier                             | E36 Z3            | M8                                        |                | 24 Nm |
| 9AZ Passenger airbag module on instrument panel carrier                             | E38/E39           | M6 nut                                    |                | 10 Nm |
|                                                                                     | E83               | M6 nut with pressed-on washer             |                | 6 Nm  |
|                                                                                     | E85               | M6                                        |                | 8 Nm  |
| 10AZ Retaining strap for cover, passenger airbag module on instrument panel carrier | E46/E52/E83       | M6                                        |                | 9 Nm  |
| 11AZ Passenger airbag module on instrument panel carrier                            | E46/E53           | M8 nut                                    |                | 22 Nm |
| 12AZ Head airbag cassette in rear compartment to body                               | E38/E39           | M6                                        |                | 11 Nm |
| 13AZ Gas generator, head airbag in rear compartment, to body                        | E38               | M6 nut                                    |                | 4 Nm  |
| 14AZ Bracket of ITS head airbag on body                                             | E46 Coupe/E53     | Metal screw                               |                | 4 Nm  |
| 15AZ ITS head airbag gas generator to body for conversion from 1.0 to 1.1           | E38               | M6                                        |                | 4 Nm  |
| 16AZ Gas generator, head airbag, in rear comp. to body (parcel shelf)               | E39               | M6                                        |                | 4 Nm  |
| 17AZ Head airbag cassette in rear compartment to body                               | E53               | Metal screw                               |                | 3 Nm  |
| 18AZ Gas generator, head airbag in rear compartment, to body                        | E53               | M6                                        |                | 4 Nm  |
| 19AZ Airbag module for knee protection                                              | E85               | M6                                        | Replace screws | 8 Nm  |

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### AIRBAG MODULES-TIGHTENING TORQUE SPECIFICATIONS

|  | Type | Thread | Tightening specification | Measure |
|--|------|--------|--------------------------|---------|
|--|------|--------|--------------------------|---------|

|                                                       |         |                                |                |               |
|-------------------------------------------------------|---------|--------------------------------|----------------|---------------|
| 1AZ Passenger airbag module<br>(instrument panel)     | E70/E71 |                                | Replace screws | 4 ± 0.3<br>Nm |
| 2AZ Bracket, folding pack for head<br>airbag, to body | E70     | Metal screw                    |                | 5 Nm          |
|                                                       | E70/E71 | Oval-head screw with<br>collar |                | 4 Nm          |
| 3AZ Ramp to body                                      |         |                                |                |               |
| - to B-pillar                                         | E70/E71 |                                |                | 4 Nm          |
| - to C-pillar                                         | E70     |                                |                | 4 Nm          |
| 4AZ Gas generator<br>- to side frame                  | E70/E71 |                                |                | 4 Nm          |
| 5AZ Deformation plate<br>- to A-pillar                | E70/E71 |                                |                | 4 Nm          |
| 6AZ Airbag module<br>- to seat side frame             | E70/E71 |                                |                | 6 Nm          |