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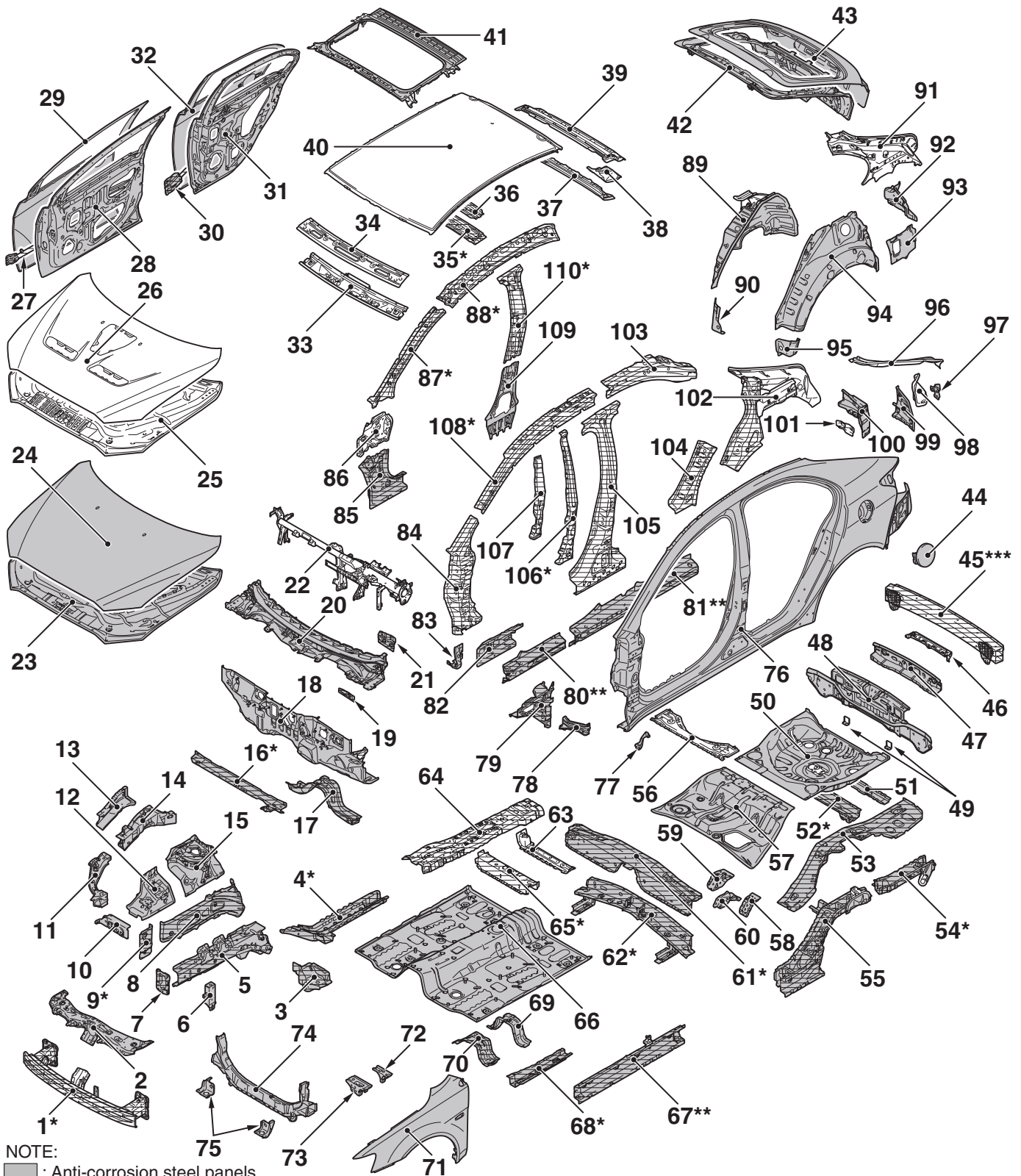
**GROUP 1**

# BODY CONSTRUCTION

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# BODY COMPONENTS



NOTE:

■ : Anti-corrosion steel panels

▨ : High-tensile steel panels (\*: Indicates 590MPa-high-tensile steel panels.)

(\*\* : Indicates 980MPa-ultra-high-tensile steel panels.) (\*\*\*: Indicates 1180MPa-ultra-high-tensile steel panels.)

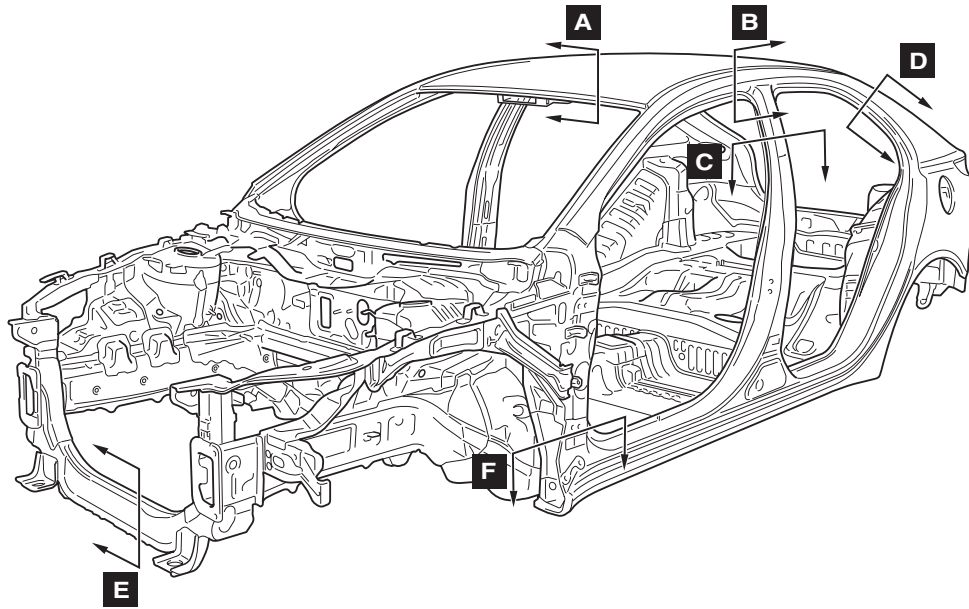
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|--|----------------------------|
| 1. Front bumper reinforcement          | 4. Front sidemember rear   |
| 2. Headlight support panel upper       | 5. Front inner sidemember  |
| 3. Front body frame to side sill brace | 6. Headlight support panel |
|  | 7. Front sidemember plate  |

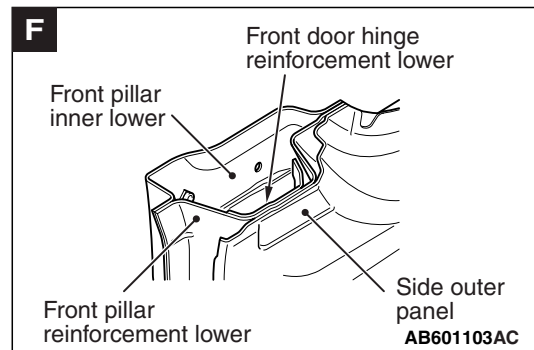
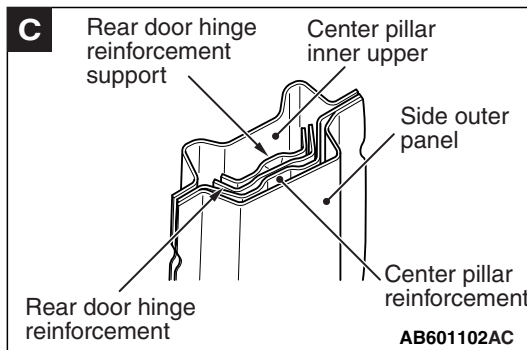
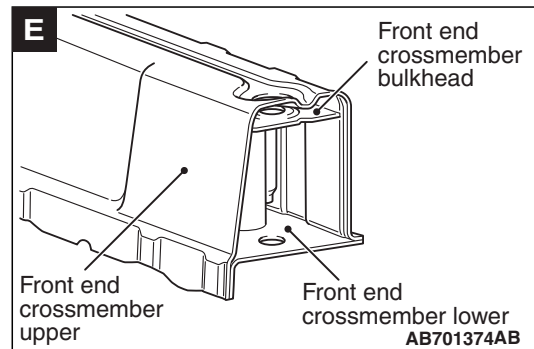
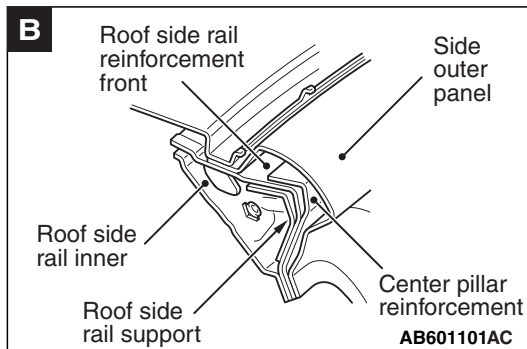
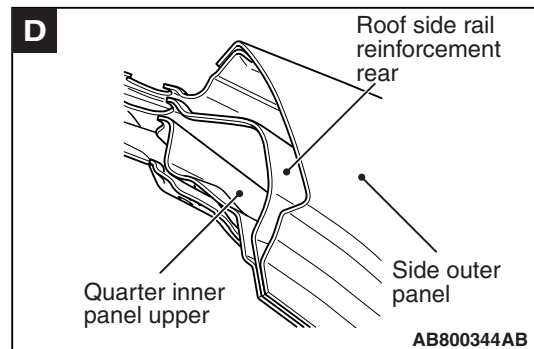
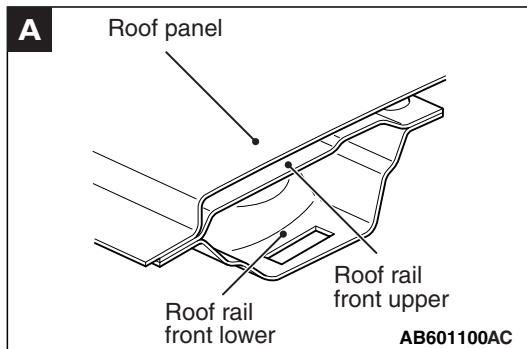
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|--|--|
| 8. Front outer sidemember                            | 67. Front floor side sill inner              |
| 9. Front sidemember extension                        | 68. Front floor sidemember                   |
| 10. Front fender gusset                              | 69. Front floor crossmember rear center      |
| 11. Headlight support panel upper                    | 70. Front floor crossmember front            |
| 12. Front fender shield                              | 71. Front fender                             |
| 13. Fender shield frame upper outer                  | 72. Battery tray stay rear (Left side)       |
| 14. Fender shield frame upper inner                  | 73. Battery tray stay front (Left side)      |
| 15. Spring house panel                               | 74. Headlight support panel lower            |
| 16. Dash panel crossmember upper                     | 75. Radiator bracket lower                   |
| 17. Dash panel crossmember lower                     | 76. Side outer panel                         |
| 18. Dash panel                                       | 77. Front fender bracket lower               |
| 19. Brake pedal support reinforcement                | 78. Upper frame to front pillar brace        |
| 20. Cowl top panel                                   | 79. Front deck frame upper outer             |
| 21. Brake pedal support bracket                      | 80. Side sill reinforcement outer front      |
| 22. Front deck crossmember                           | 81. Side sill reinforcement outer rear       |
| 23. Hood panel inner <Except RALLIART>               | 82. Side sill inner support front            |
| 24. Hood panel outer <Except RALLIART>               | 83. Front pillar extension outer             |
| 25. Hood panel inner <RALLIART>                      | 84. Front pillar lower reinforcement         |
| 26. Hood panel outer <RALLIART>                      | 85. Front pillar inner lower                 |
| 27. Front door side door beam                        | 86. Front pillar inner center                |
| 28. Front door panel inner                           | 87. Front upper inner pillar                 |
| 29. Front door panel outer                           | 88. Roof side rail inner                     |
| 30. Rear door side door beam                         | 89. Rear wheel house panel inner             |
| 31. Rear door panel inner                            | 90. Rear wheel house panel front lower outer |
| 32. Rear door panel outer                            | 91. Quarter panel upper inner                |
| 33. Roof rail front lower                            | 92. Rear end panel inner                     |
| 34. Roof rail front upper                            | 93. Quarter panel extension lower inner      |
| 35. Roof bow center lower <Vehicles without sunroof> | 94. Quarter panel inner                      |
| 36. Roof bow center upper <Vehicles without sunroof> | 95. Quarter panel extension inner            |
| 37. Roof rail rear inner                             | 96. Quarter panel extension upper outer      |
| 38. Liftgate hinge reinforcement                     | 97. Liftgate pillar reinforcement            |
| 39. Roof rail rear outer                             | 98. Rear combination light housing panel     |
| 40. Roof panel                                       | 99. Quarter panel extension lower outer      |
| 41. Roof panel reinforcement <Vehicles with sunroof> | 100. Rear pillar reinforcement lower         |
| 42. Liftgate panel inner                             | 101. Rear end corner panel                   |
| 43. Liftgate panel outer                             | 102. Gate pillar reinforcement               |
| 44. Fuel filler door panel                           | 103. Roof side rail reinforcement rear       |
| 45. Rear bumper reinforcement                        | 104. Rear pillar reinforcement lower         |
| 46. Rear bumper center reinforcement                 | 105. Center pillar reinforcement             |
| 47. Rear end crossmember                             | 106. Rear door hinge reinforcement           |
| 48. Rear end inner crossmember                       | 107. Rear door hinge reinforcement support   |
| 49. Rear bumper bracket                              | 108. Roof side rail reinforcement            |
| 50. Rear floor                                       | 109. Center pillar inner lower               |
| 51. Rear floor rear end crossmember                  | 110. Center pillar inner upper               |
| 52. Rear floor crossmember                           |  |
| 53. Rear floor side panel                            |  |
| 54. Rear floor sidemember extension                  |  |
| 55. Rear floor sidemember lower                      |  |
| 56. Rear floor crossmember upper                     |  |
| 57. Rear seat under floor                            |  |
| 58. Rear seat belt reinforcement                     |  |
| 59. Rear seat belt reinforcement upper               |  |
| 60. Rear seat belt reinforcement lower               |  |
| 61. Rear floor extension                             |  |
| 62. Rear floor rear seat under crossmember           |  |
| 63. Front floor crossmember rear                     |  |
| 64. Front floor backbone reinforcement               |  |
| 65. Front floor crossmember front                    |  |
| 66. Front floor                                      |  |

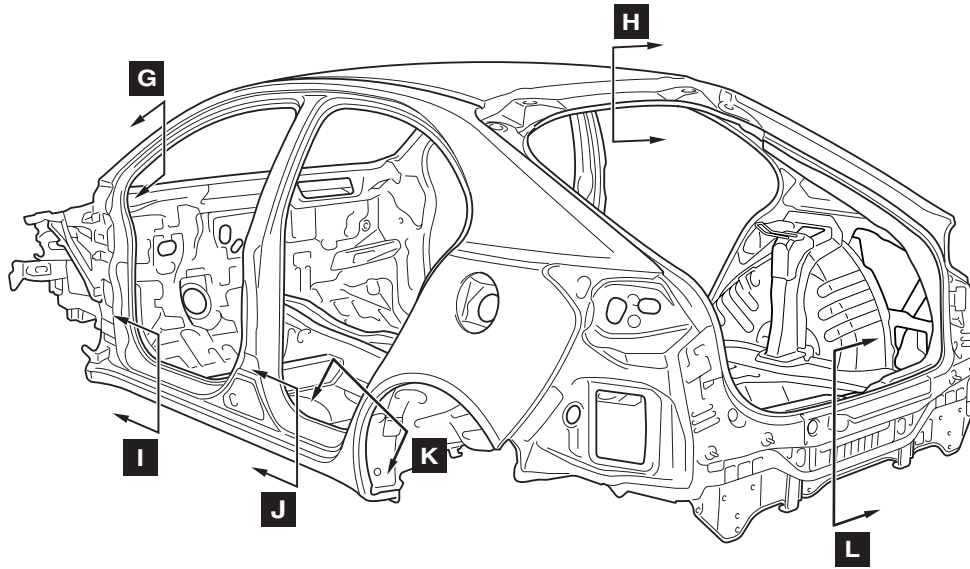
# BODY MAIN CROSS-SECTIONAL VIEWS

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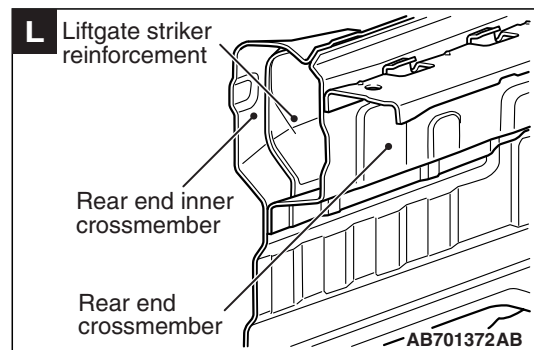
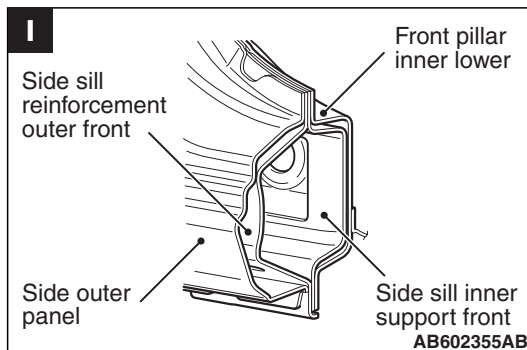
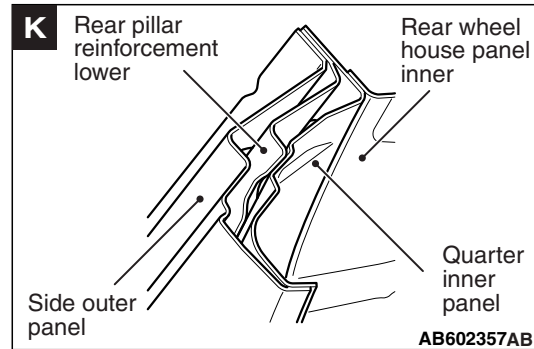
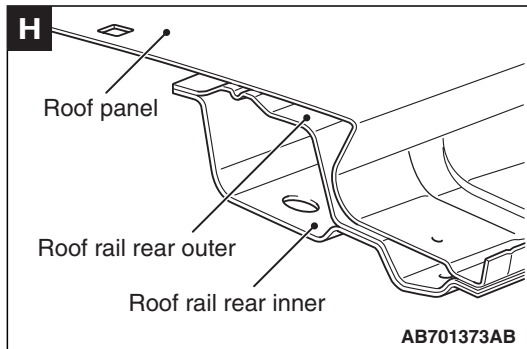
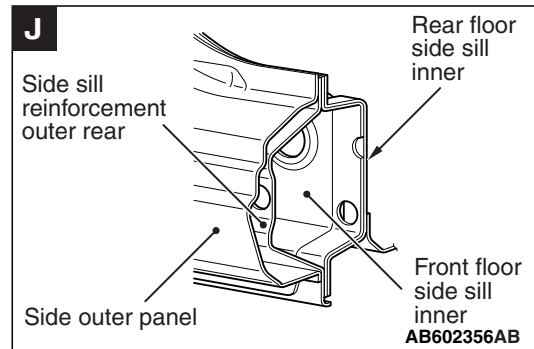
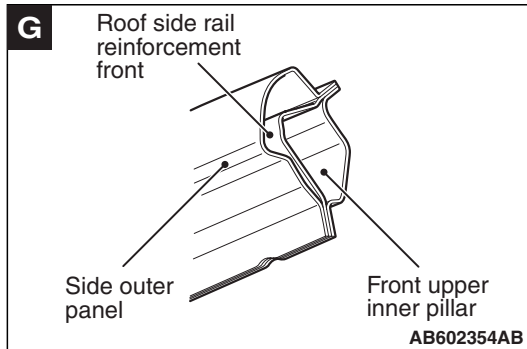


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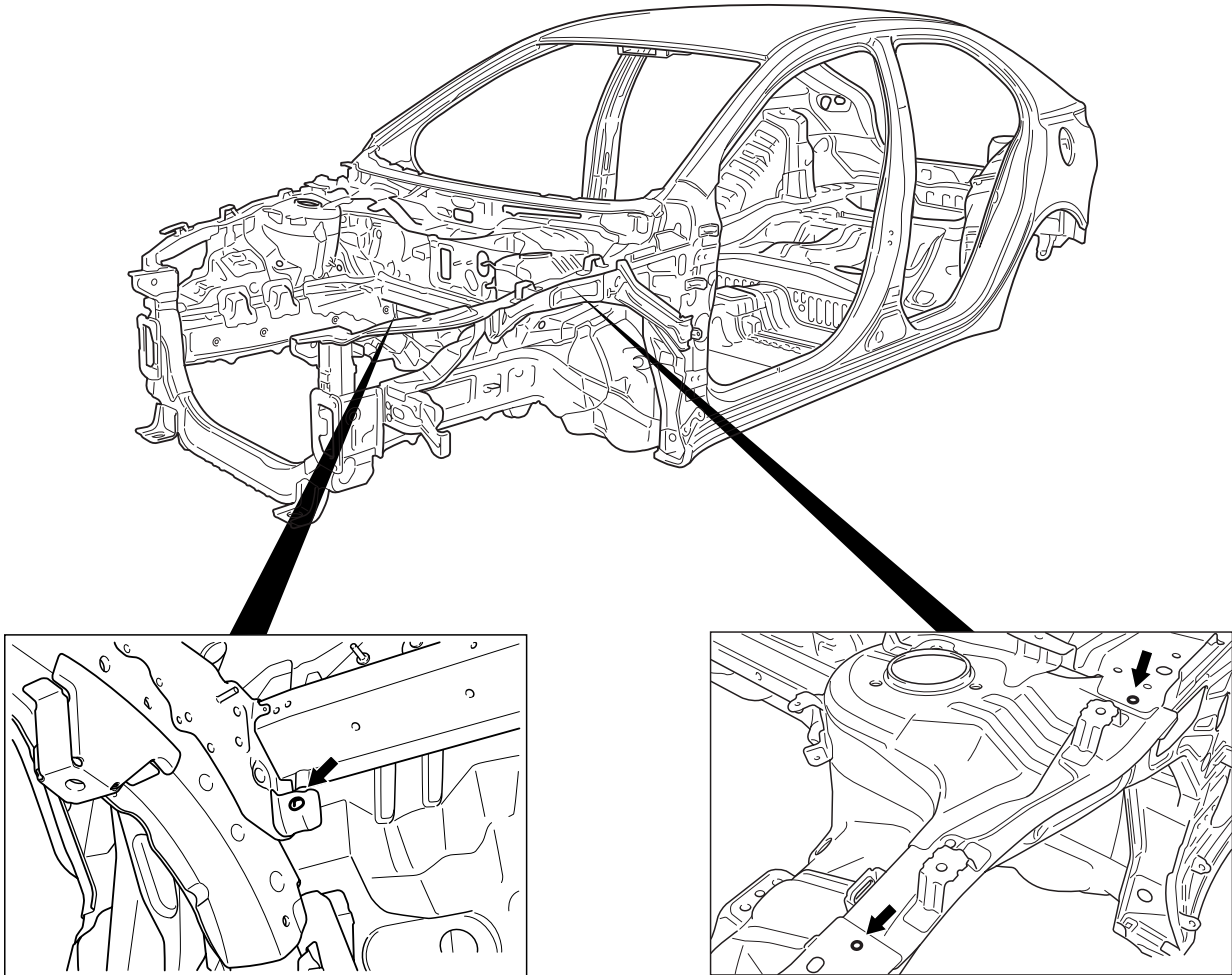


# MAINTENANCE, SERVICEABILITY

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## FENDER SHIELD

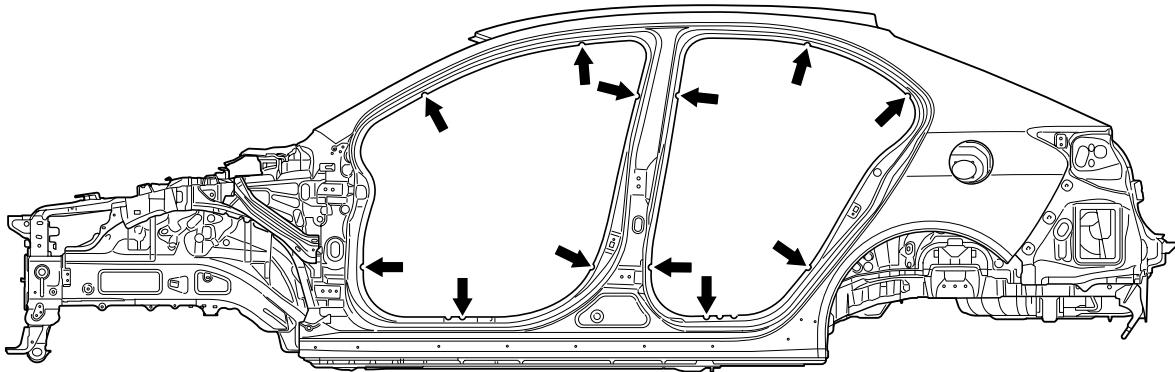
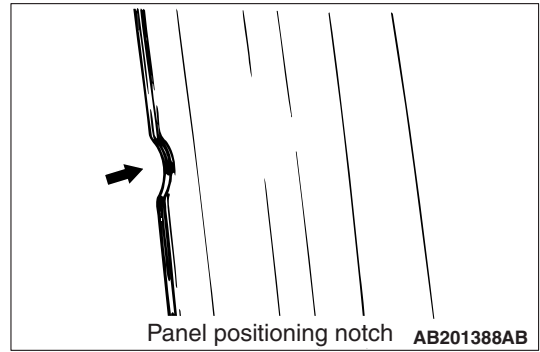
A positioning hole, lug, and notch have been added on the front end upper bar side, front upper frame inner, upper frame extension inner, front side member brace upper, front sidemember reinforcement rear and dash panel to improve assembling workability during panel replacement.



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## SIDE STRUCTURE

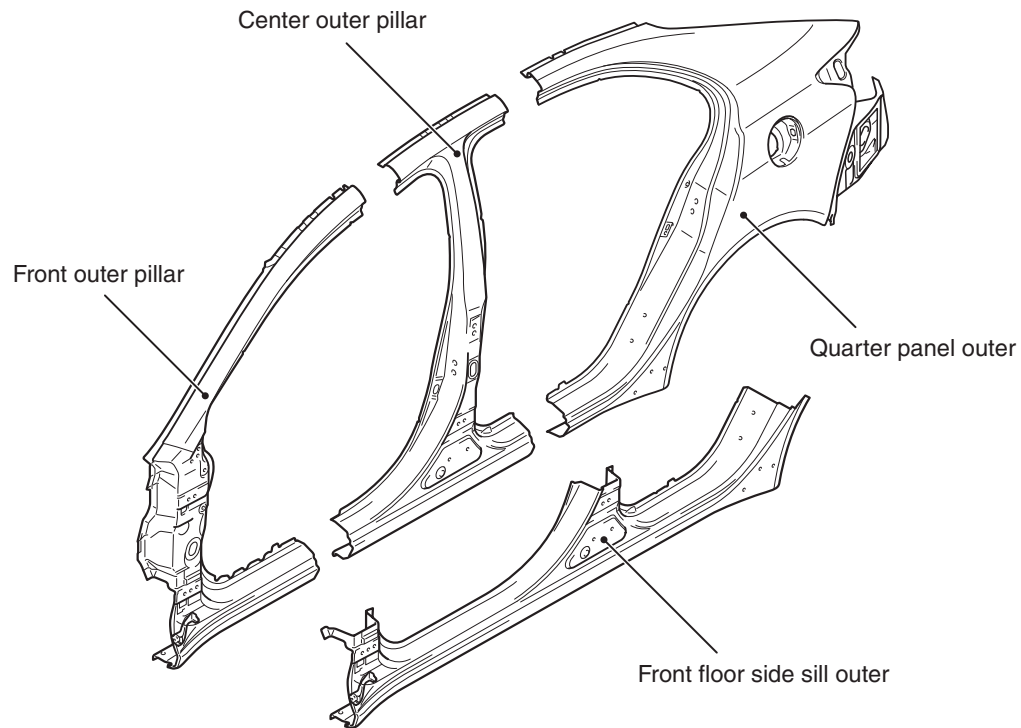
A panel positioning notch has been added on the door opening to improve assembling workability when replacing the panel.



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**SIDE OUTER PANEL**

The extra parts are supplied in 4 different cut forms as a result of employing the integrated side-frame side outer panel.



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# BODY CONSTRUCTION CHARACTERISTICS

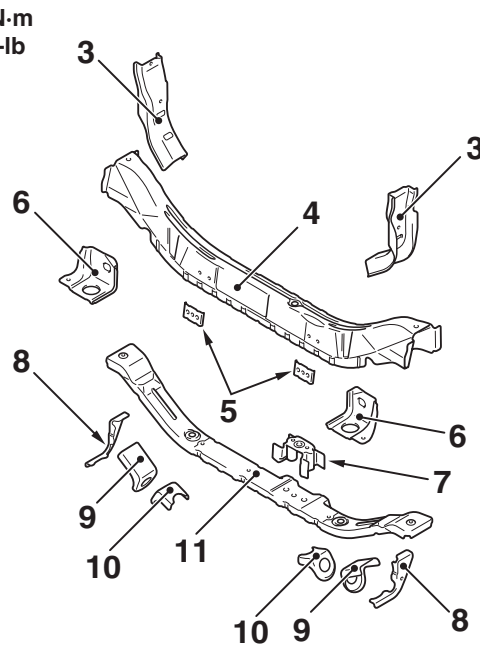
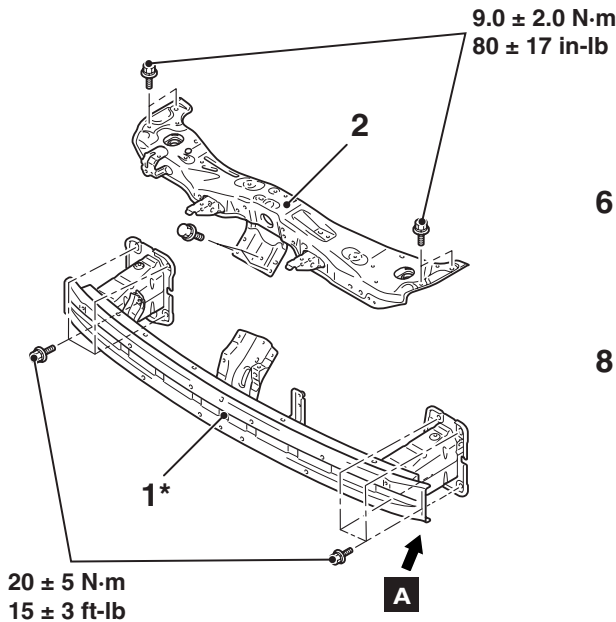
## FRONT BODY

M4010010001415

### HEADLIGHT SUPPORT

- The crush box structure, which has an octagonal cross-section at the front end of the front side-member, has been adopted. This structure can effectively absorb energy upon frontal impact and reduces the vehicle repair cost caused by a light collision.

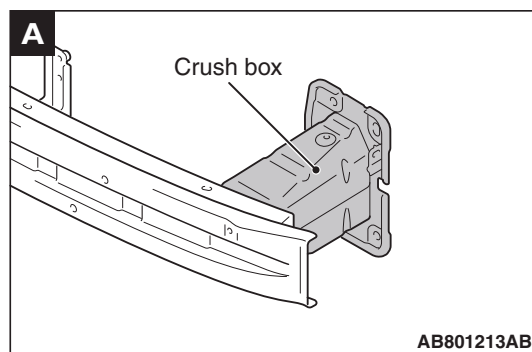
- The bolt-on headlight support panel upper is used to improve maintainability.
- The 590-MPa class high tensile strength steel panels have been adopted for the front bumper reinforcement to improve the body rigidity.



NOTE: \*: Indicates 590MPa-high-tensile steel panels.

- Front bumper reinforcement
- Headlight support panel upper
- Front end crossmember gusset
- Front end crossmember upper
- Nut plate <RALLIART>
- Radiator bracket lower A
- Front end crossmember bulkhead
- Radiator bracket lower B
- Shipping hook front
- Shipping reinforcement front
- Front end crossmember lower

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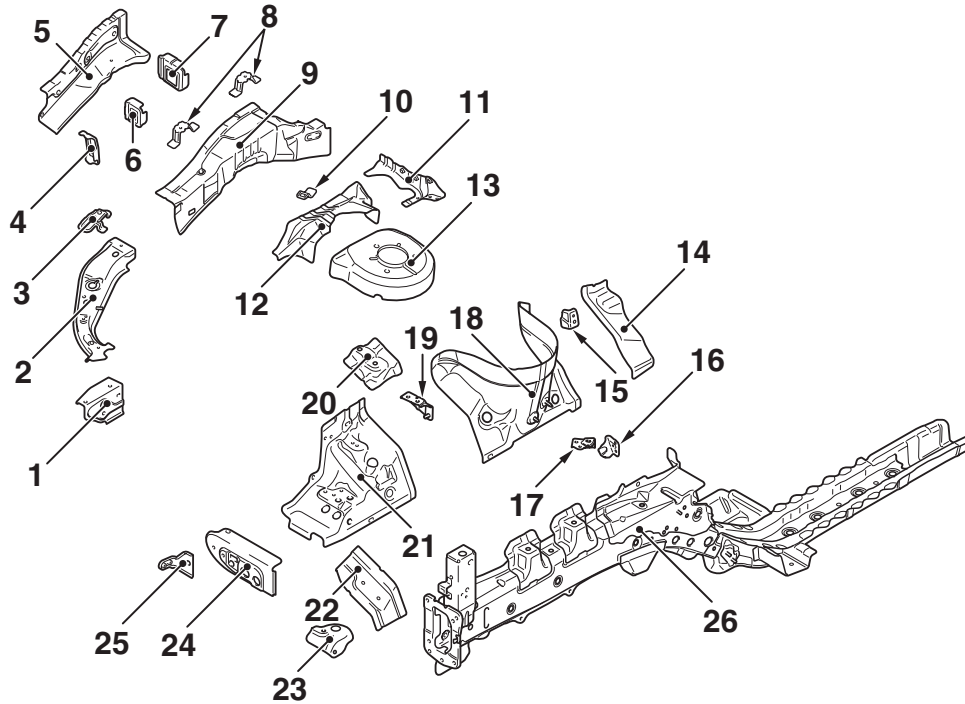
The crush box structure has been changed to straight type with an octagon cross-section so that the structure can effectively absorb energy from the impact at the time of collision.

FENDER SHIELD

- The front frame structure is supported in three directions by the dash crossmember center, dash crossmember lower and front sidemember rear in order to improve the frontal collision characteristics, and increase the vehicle body rigidity.

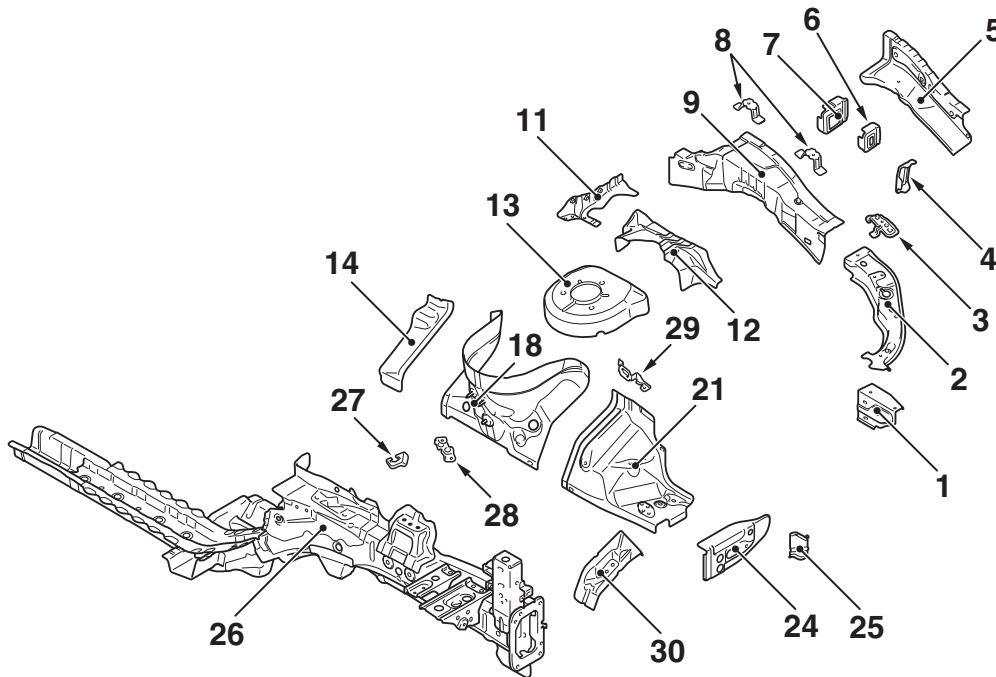
- The padding structure of the front fender bracket has been adopted to efficiently absorb energy upon impact and improve the pedestrian protection capability.

(Right side)



AB602313AB

(Left side)



AB602314AB

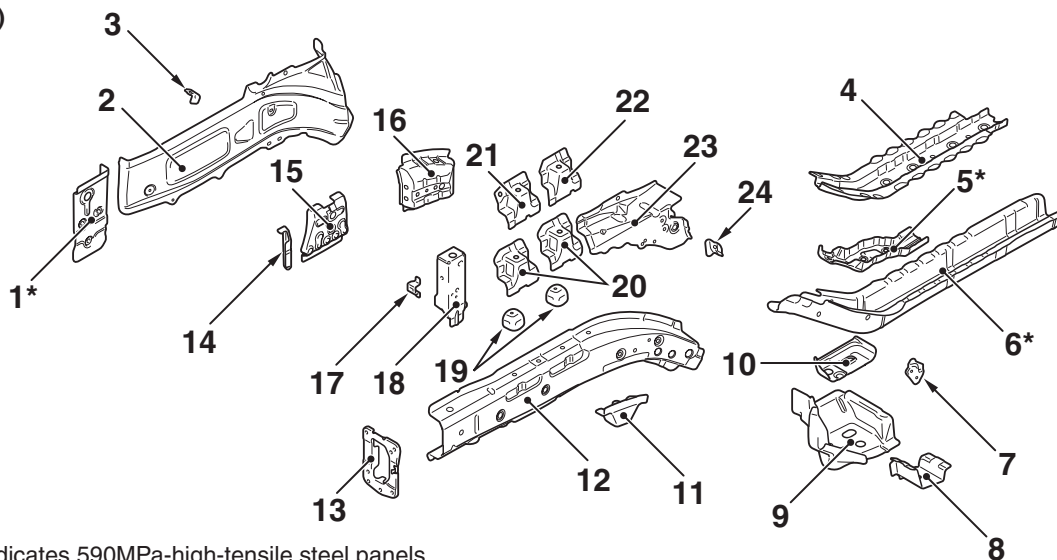
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|------------------------------------|--|
| 1. Upper side bar front            | 8. Front fender bracket                |
| 2. Front end upper bar side        | 9. Front upper frame inner             |
| 3. Front fender bracket            | 10. Harness bracket                    |
| 4. Upper frame bulkhead front      | 11. Spring house corner gusset         |
| 5. Fender shield frame upper outer | 12. Spring house bracket reinforcement |
| 6. Upper frame bulkhead center     | 13. Spring house bracket front         |
| 7. Upper frame bulkhead rear       | 14. Spring house panel rear            |

15. Horn bracket
16. Spring house harness bracket
17. Suction hose bracket
18. Spring house panel
19. Power steering reservoir tank bracket
20. Engine mounting bracket upper
21. Front fender shield
22. Engine mounting gusset
23. Condense tank reinforcement
24. Fender gusset
25. Front fender bracket
26. Front sidemember
27. Clutch tube bracket <M/T>
28. Engine control module bracket
29. Relay box bracket
30. transaxle mounting gusset

**FRONT SIDEMEMBER REINFORCEMENT**

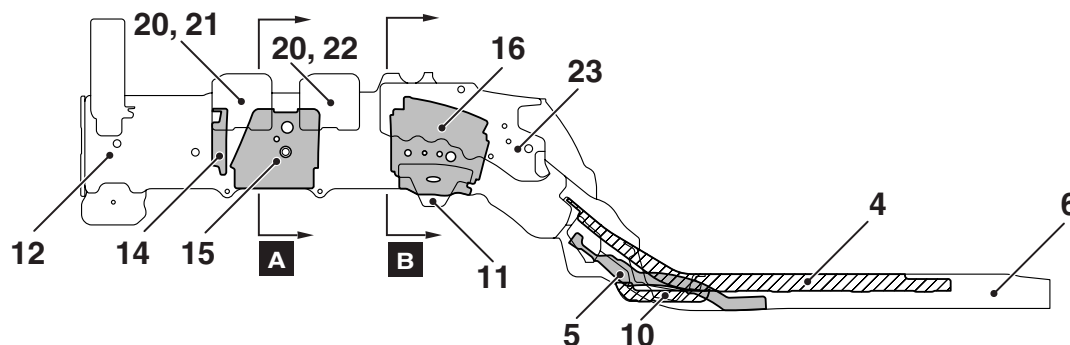
The 590-MPa class high tensile strength steel panels have been adopted for the front sidemember extension, front sidemember rear bulkhead and front sidemember rear to improve the body rigidity.

(Right side)



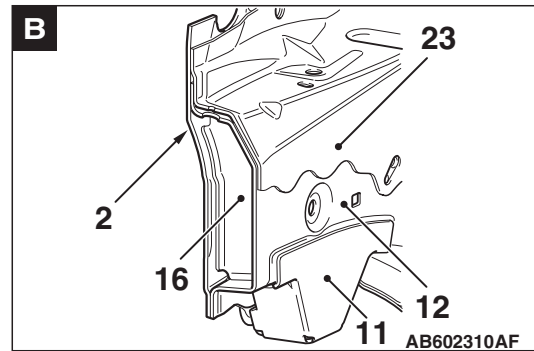
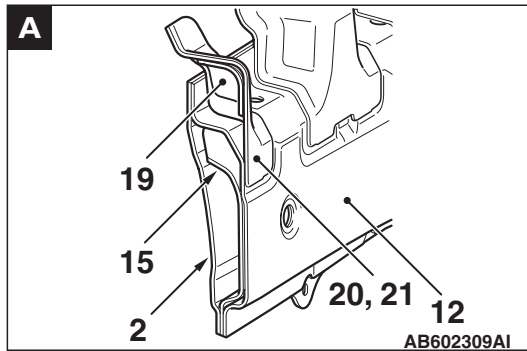
NOTE: \*: Indicates 590MPa-high-tensile steel panels.

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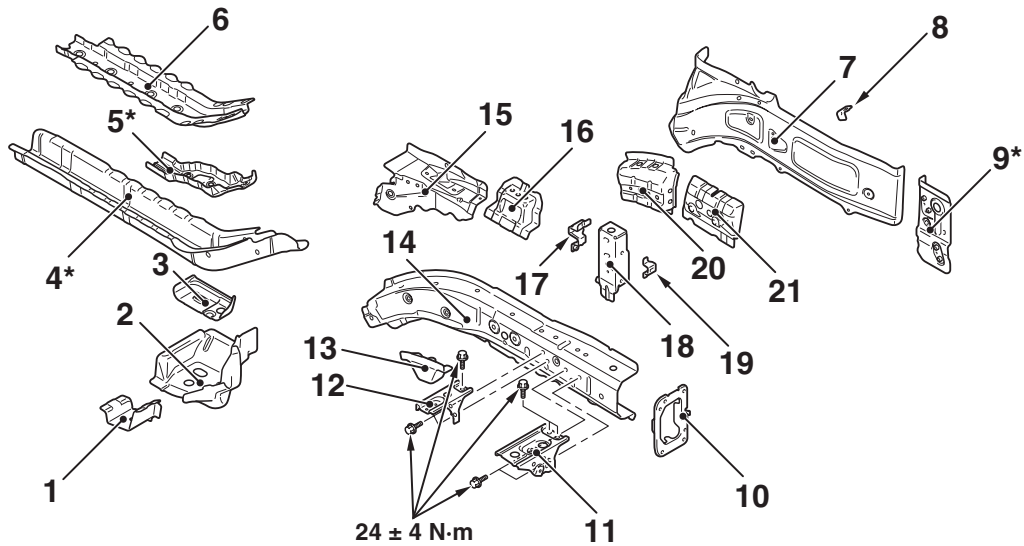


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- |  |   |
|--|---|
| 1. Front sidemember extension                  | 13. Front sidemember plate                    |
| 2. Front sidemember outer                      | 14. Front sidemember bulkhead front           |
| 3. Front brake hose bracket                    | 15. Engine mounting bulkhead                  |
| 4. Front sidemember reinforcement rear lower   | 16. Front suspension crossmember bulkhead     |
| 5. Front sidemember rear bulkhead              | 17. Headlight bracket lower                   |
| 6. Front sidemember rear                       | 18. Headlight support panel                   |
| 7. Height sensor bracket                       | 19. Engine mounting reinforcement             |
| 8. Dash crossmember extension lower            | 20. Engine mounting bracket <Except RALLIART> |
| 9. Front body frame to side sill brace         | 21. Engine mounting bracket front <RALLIART>  |
| 10. Tie down reinforcement front               | 22. Engine mounting bracket rear <RALLIART>   |
| 11. Front suspension crossmember bracket front | 23. Front sidemember brace upper              |
| 12. Front sidemember inner                     | 24. Front sidemember reinforcement rear       |

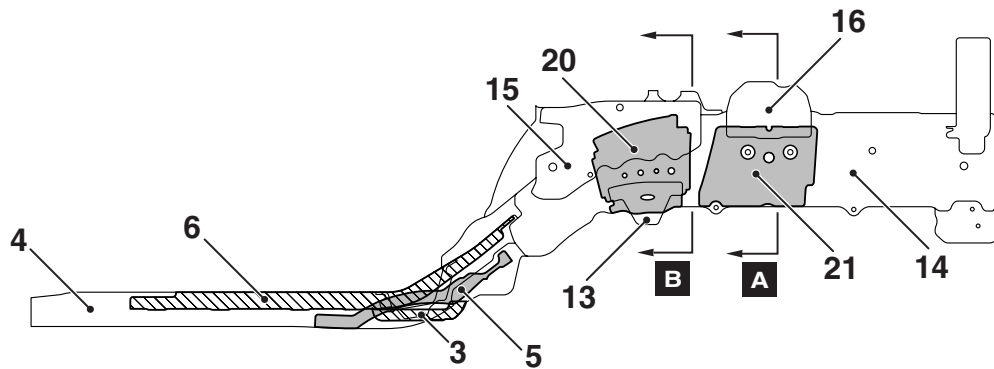


(Left side)



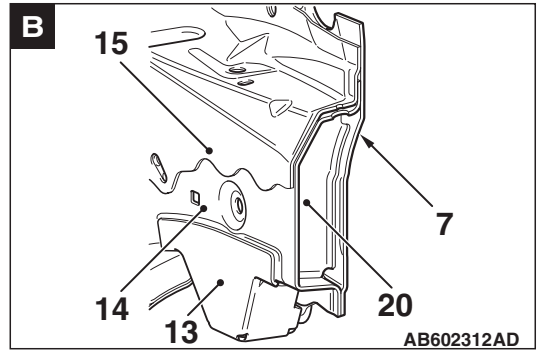
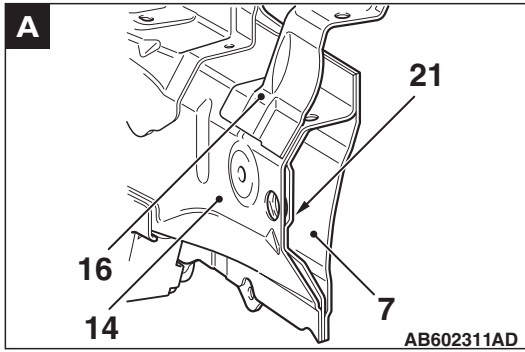
NOTE: \*: Indicates 590MPa-high-tensile steel panels. 18 ± 2 ft·lb

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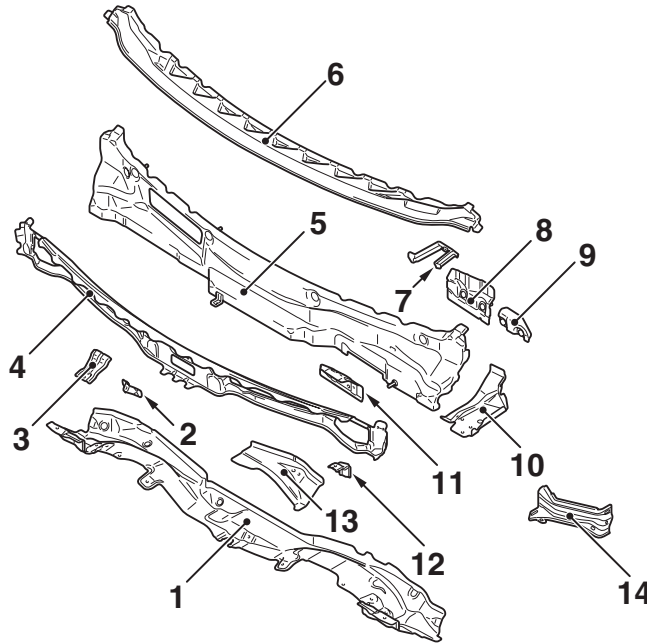
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|--|--|
| 1. Dash crossmember extension lower          | 12. Battery tray stay rear                     |
| 2. Front body frame to side sill brace       | 13. Front suspension crossmember bracket front |
| 3. Tie down reinforcement front              | 14. Front sidemember inner                     |
| 4. Front sidemember rear                     | 15. Front sidemember brace upper               |
| 5. Front sidemember rear bulkhead            | 16. Transaxle mounting bracket                 |
| 6. Front sidemember reinforcement rear lower | 17. Connector bracket                          |
| 7. Front sidemember outer                    | 18. Headlight support panel                    |
| 8. Front brake hose bracket                  | 19. Headlight bracket lower                    |
| 9. Front sidemember extension                | 20. Front suspension crossmember bulkhead      |
| 10. Front sidemember plate                   | 21. Transaxle mounting bulkhead                |
| 11. Battery tray stay front                  |  |



**FRONT DECK**

- The impact absorbing opening on the cowl top outer reinforcement upper has been added to efficiently absorb energy upon impact and improve the pedestrian protection capability.
- Rigidity was heightened and driving stability was improved by bonding the fender shield frame upper outer and front pillar by the upper frame to front pillar brace.

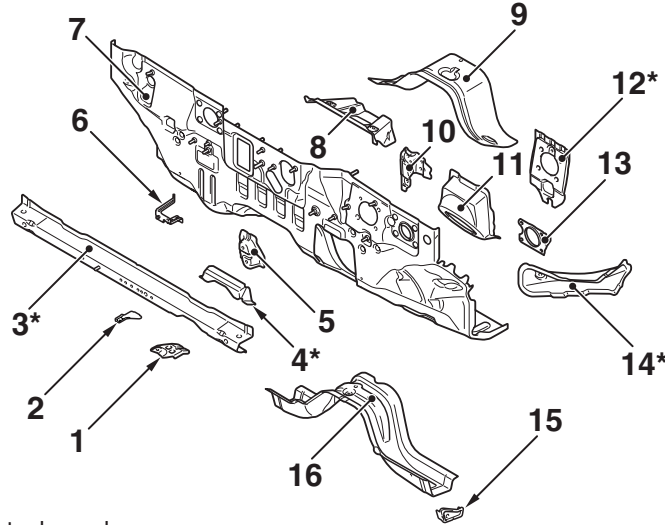


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- |                                       |  |
|---------------------------------------|--|
| 1. Cowl top panel lower               | 8. Brake pedal support bracket         |
| 2. Wiper B bracket                    | 9. Clutch pedal support bracket <M/T>  |
| 3. Cowl top stay bracket rear         | 10. Upper frame extension inner        |
| 4. Cowl top outer reinforcement upper | 11. Brake pedal support reinforcement  |
| 5. Cowl top panel inner               | 12. Front fender bracket               |
| 6. Cowl top panel outer               | 13. Cowl top outer reinforcement lower |
| 7. Deck crossmember stay bracket      | 14. Upper frame to front pillar brace  |

### DASH PANEL

- The front frame structure is supported in three directions by the dash crossmember center, dash crossmember lower and front sidemember rear in order to improve the frontal collision characteristics, and increase the vehicle body rigidity.
- The 590-MPa class high tensile strength steel panels have been adopted for the dash crossmember center, dash crossmember extension, dash panel reinforcement and dash crossmember side to improve the body rigidity.



\*: Indicates 590MPa-high-tensile steel panels.

AB700934AB

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Brake tube bracket</li> <li>2. Harness bracket</li> <li>3. Dash crossmember center</li> <li>4. Dash crossmember extension</li> <li>5. Canister bracket</li> <li>6. Dash heat protector bracket</li> <li>7. Dash panel</li> <li>8. Backbone reinforcement front</li> </ol> | <ol style="list-style-type: none"> <li>9. Dash panel lower</li> <li>10. Accelerator pedal bracket</li> <li>11. Steering shaft bracket</li> <li>12. Dash panel reinforcement</li> <li>13. Clutch pedal reinforcement lower &lt;M/T&gt;</li> <li>14. Dash crossmember side</li> <li>15. Dash crossmember lower bulkhead</li> <li>16. Dash crossmember lower</li> </ol> |
|---|--|



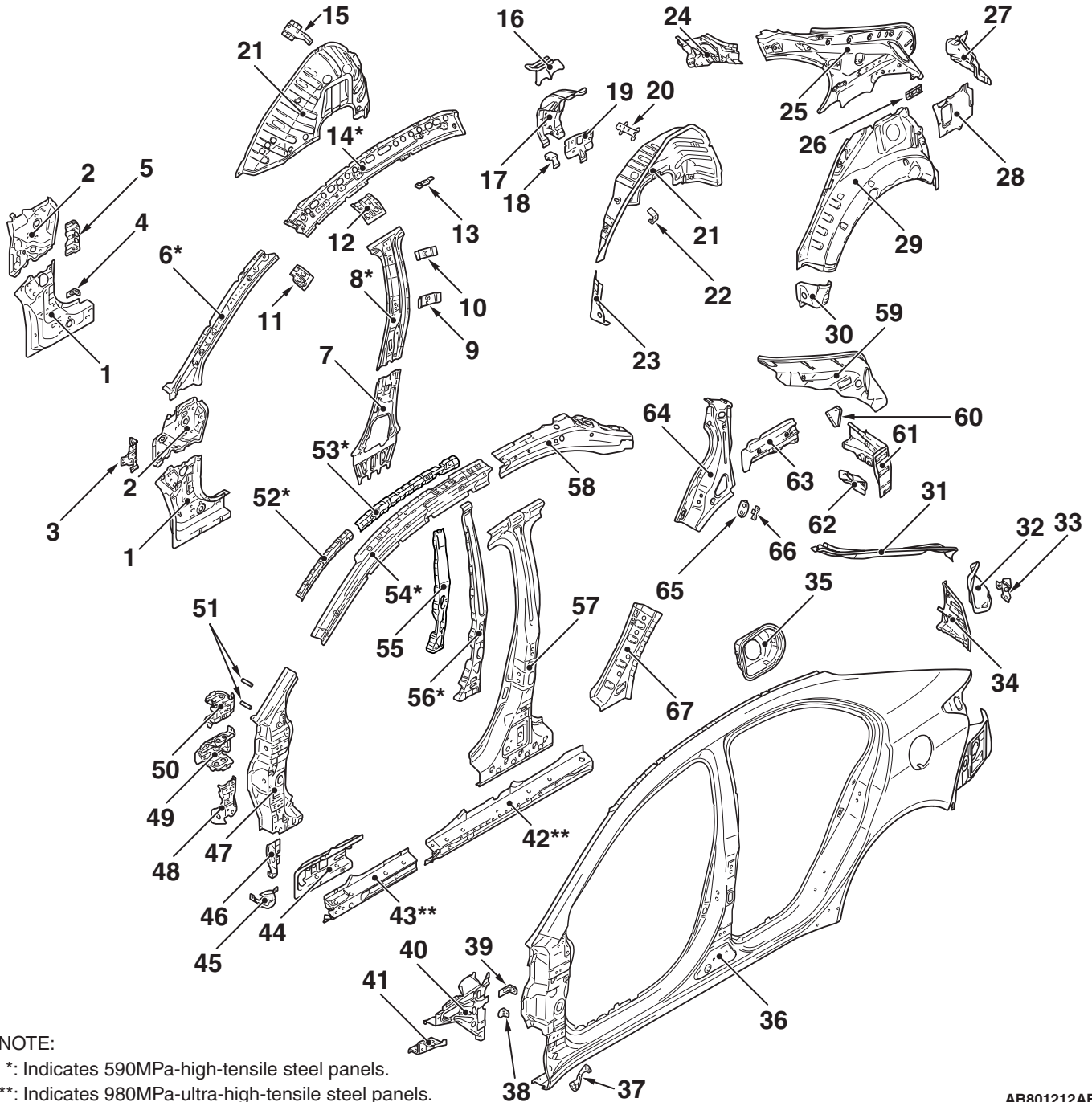
**SIDE BODY**

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**SIDE STRUCTURE**

- The 590-MPa class high tensile strength steel panels or 980-MPa class ultra high tensile strength steel panels have been adopted for the front pillar, center pillar, side sill, and roof side rail to improve the body rigidity.

- The roof rail extension has been adopted to connect the roof side rail inner to the roof rail and the roof bow. The quarter inner gusset upper has also been adopted to connect the quarter inner panel upper to the roof rail rear. This improves rigidity of the body, handling stability, and riding comfort.



**NOTE:**

- \*: Indicates 590MPa-high-tensile steel panels.
- \*\* : Indicates 980MPa-ultra-high-tensile steel panels.

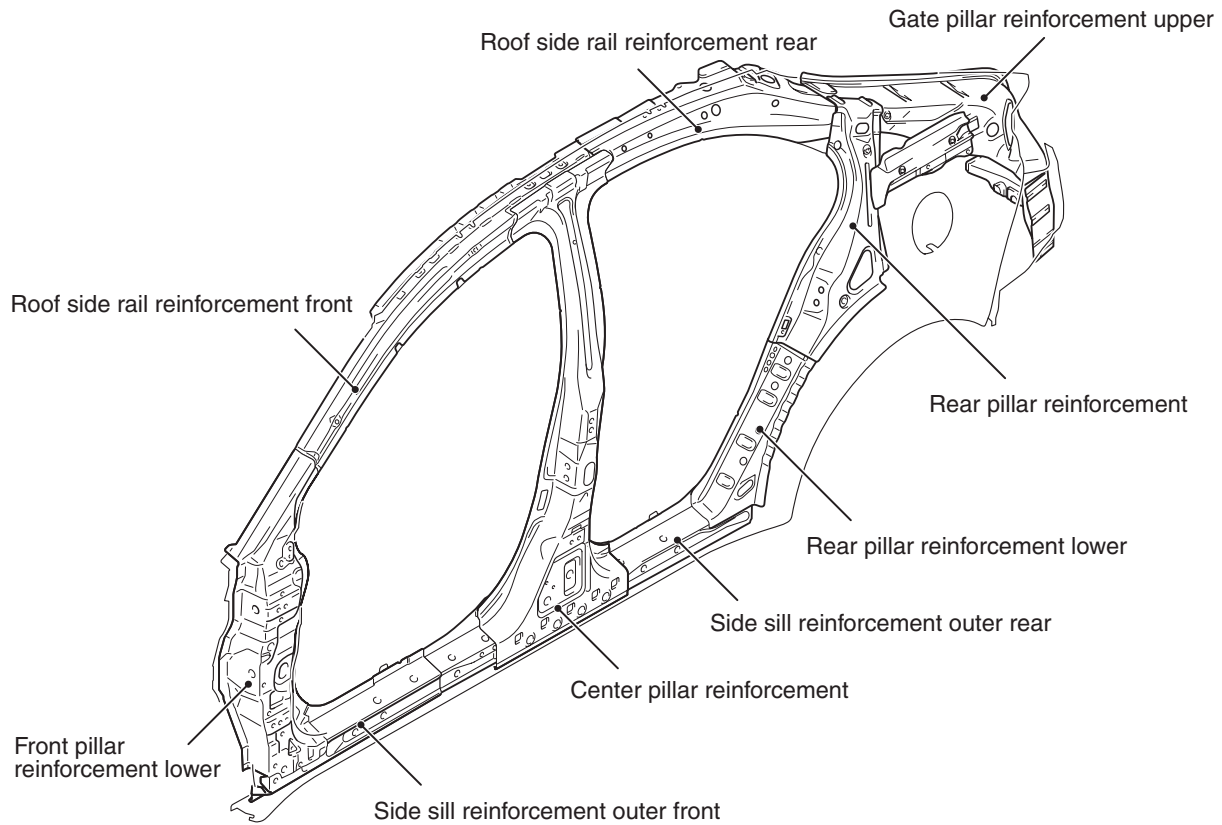
- |  |   |
|--|---|
| 1. Front pillar inner lower              | 6. Front upper inner pillar                     |
| 2. Front pillar inner center             | 7. Center pillar inner lower                    |
| 3. Hood opener bracket (Left side)       | 8. Center pillar inner upper                    |
| 4. Cowl side trim bracket (Right side)   | 9. Center pillar seat belt reinforcement lower  |
| 5. Deck crossmember bracket (Right side) | 10. Center pillar seat belt reinforcement upper |
|  | 11. Roof rail front extension                   |

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12. Roof rail center extension <Vehicles without sunroof>
13. Bracket C <Vehicles with sunroof>
14. Roof side rail inner
15. Harness bracket (Right side)
16. Rear seat striker reinforcement
17. Rear wheel house reinforcement
18. Rear wheel house bulkhead lower
19. Rear wheel house plate
20. Harness bracket (Left side)
21. Rear wheel house panel inner
22. Filler pipe mounting bracket (Left side)
23. Rear wheel house panel front lower outer
24. Quarter inner gusset upper
25. Quarter inner panel upper
26. Nut plate
27. Rear end panel inner
28. Quarter panel extension lower inner
29. Quarter panel inner
30. Quarter panel extension inner
31. Quarter panel extension upper outer
32. Rear combination light housing panel
33. Liftgate pillar reinforcement
34. Quarter panel extension lower outer
35. Fuel filler neck bracket (Left side)
36. Side outer panel
37. Front fender bracket lower
38. Front fender bracket
39. Cowl side trim bracket
40. Front upper outer frame rear
41. Upper frame outer reinforcement <RALLIART>
42. Side sill reinforcement outer rear
43. Side sill reinforcement outer front
44. Side sill inner support front
45. Front pillar outer extension lower
46. Front pillar outer extension upper
47. Front pillar reinforcement lower
48. Front door hinge reinforcement lower
49. Front pillar reinforcement center bulkhead
50. Front door hinge reinforcement upper
51. Deck support pipe (Left side)
52. Front pillar support
53. Roof side rail support
54. Roof side rail reinforcement front
55. Rear door hinge reinforcement support
56. Rear door hinge reinforcement
57. Center pillar reinforcement
58. Roof side rail reinforcement rear
59. Gate pillar reinforcement upper
60. Rear combination light support bulkhead
61. Rear pillar reinforcement lower
62. Rear end corner panel
63. Gate pillar brace
64. Rear pillar reinforcement
65. Flap gate striker reinforcement
66. Nut plate
67. Rear pillar reinforcement lower

## SIDE STRUCTURE REINFORCEMENT

The ring structure of the side structure reinforcement has been adopted to improve the collision characteristics and the rigidity of the whole vehicle.

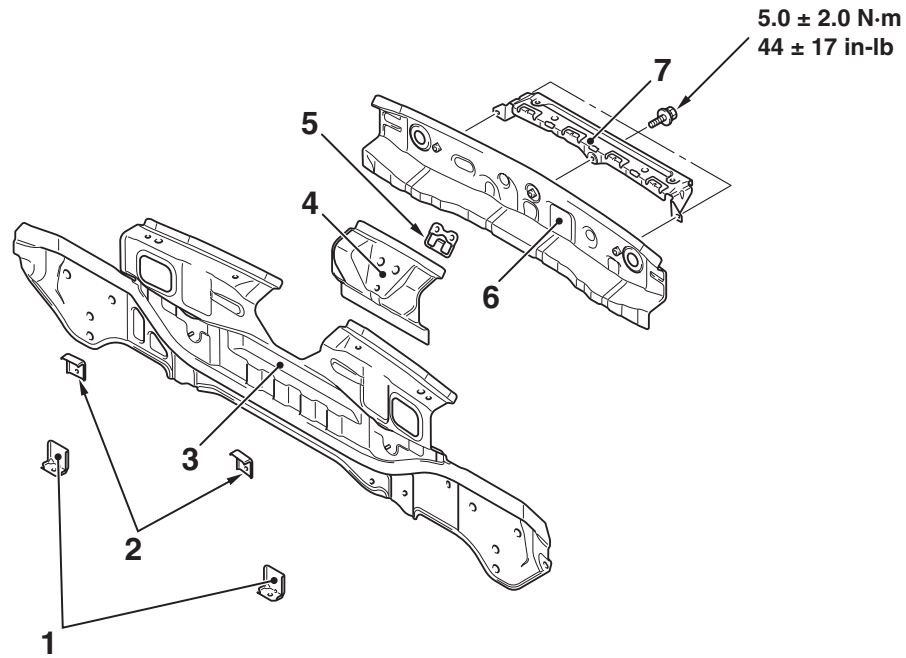


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## REAR BODY

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## REAR END CROSSMEMBER



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1. Rear bumper bracket
2. Bracket
3. Rear end inner crossmember
4. Liftgate striker reinforcement
5. Nut plate
6. Rear end outer crossmember
7. Rear bumper center reinforcement

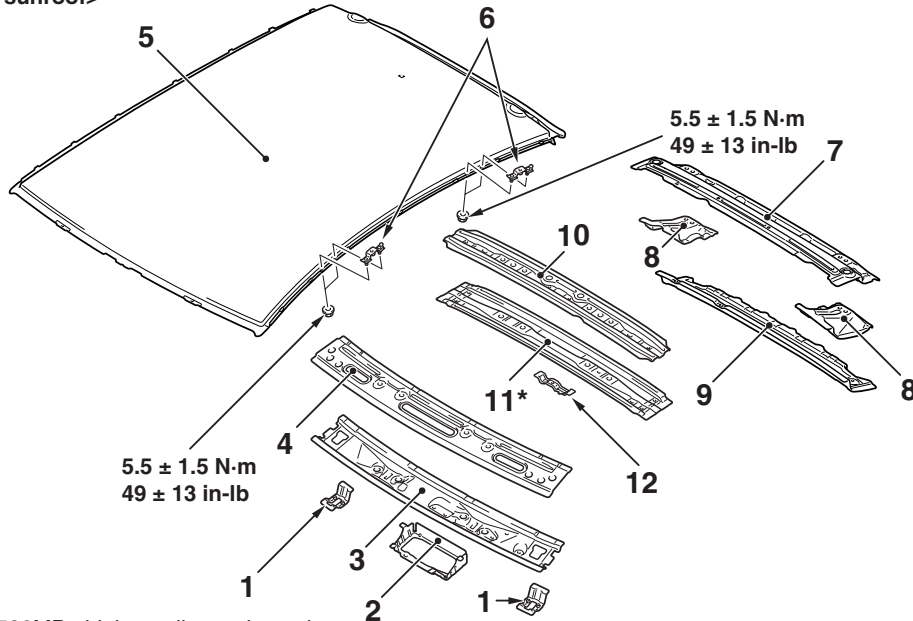
**ROOF**

M4010013001641

- The closed section structure has been adopted for the roof rail front and the roof bow center to heighten body rigidity, improve handling stability and riding comfort, and to reduce vibration and noise.

- The 590-MPa class high tensile strength steel panels have been adopted for the roof bow center center lower to improve the body rigidity.

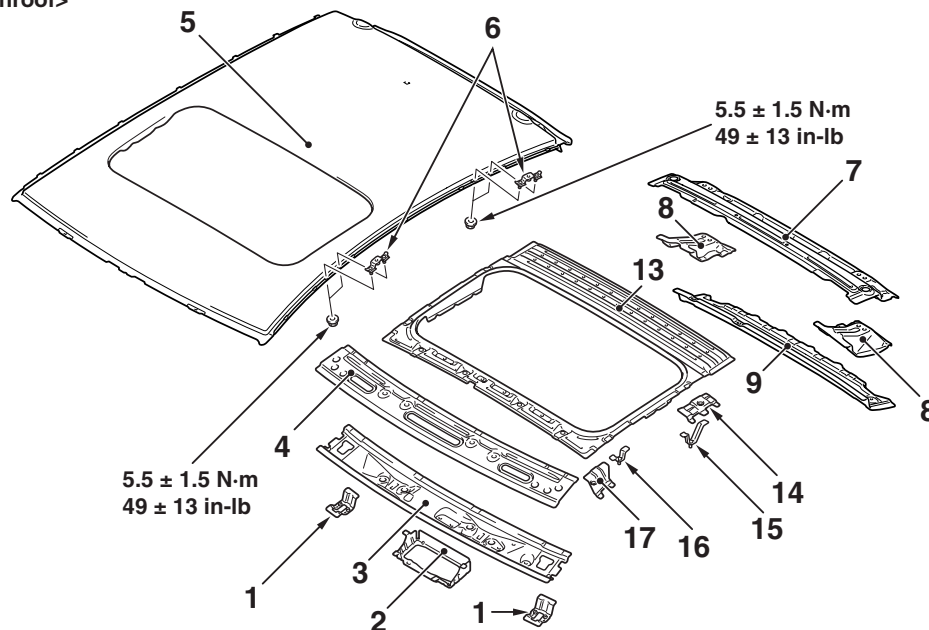
<Vehicles without sunroof>



NOTE: \*: Indicates 590MPa-high-tensile steel panels.

AB900235AB

<Vehicles with sunroof>



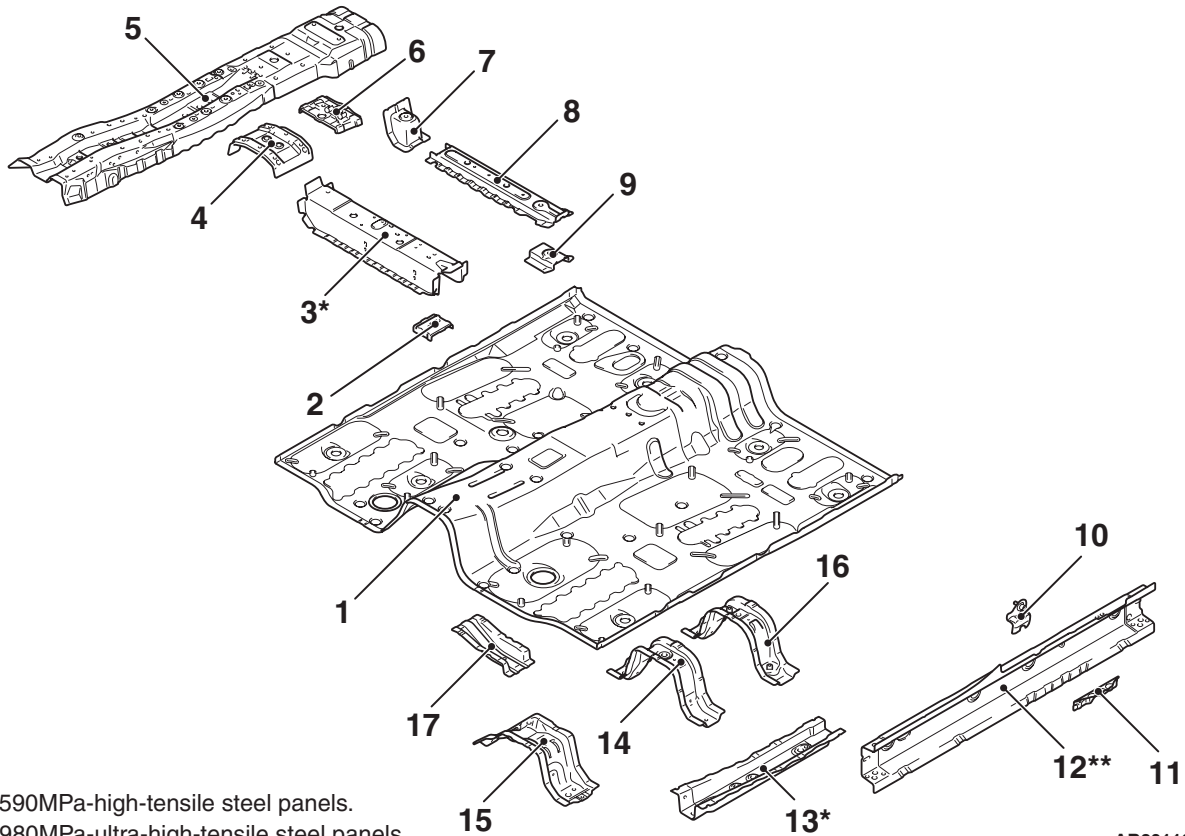
AB701190AC

- |                                 |                              |
|---------------------------------|------------------------------|
| 1. Sunvisor bracket             | 10. Roof bow center upper    |
| 2. Map light bracket            | 11. Roof bow center lower    |
| 3. Roof rail front lower        | 12. Dome light bracket       |
| 4. Roof rail front upper        | 13. Roof panel reinforcement |
| 5. Roof panel                   | 14. Set rear bracket         |
| 6. Roof rack bracket            | 15. Bracket A                |
| 7. Roof rail rear outer         | 16. Bracket B                |
| 8. Liftgate hinge reinforcement | 17. Set front bracket        |
| 9. Roof rail rear inner         |                              |

UNDER BODY

FRONT FLOOR

The 590-MPa class high tensile strength steel panels have been adopted for the front floor crossmember front and front floor sidemember, and the 980-MPa class ultra high tensile strength steel panels for the front floor side sill inner, to improve the body rigidity.



NOTE:

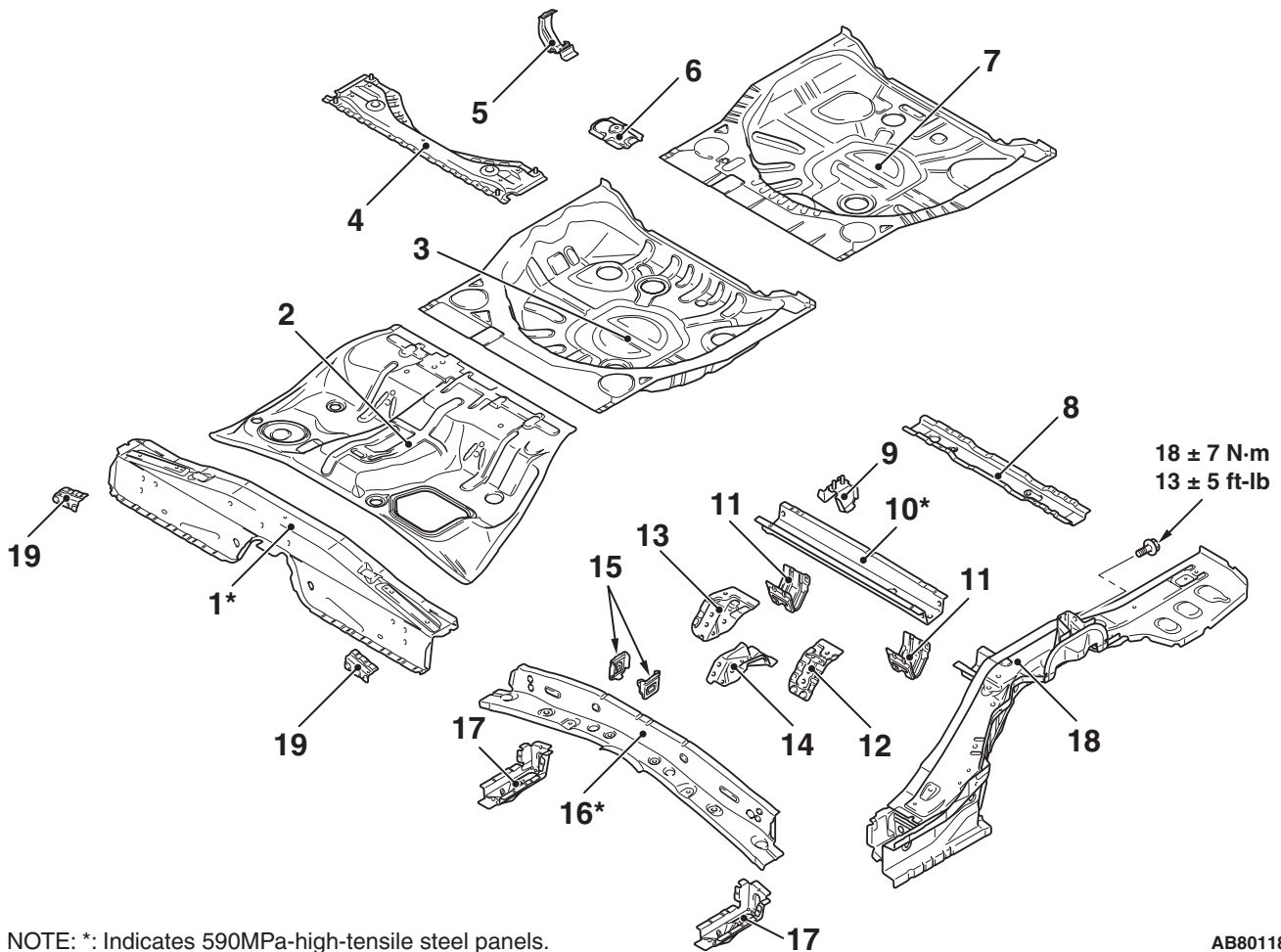
- \*: Indicates 590MPa-high-tensile steel panels.
- \*\* : Indicates 980MPa-ultra-high-tensile steel panels.

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1. Front floor</li> <li>2. Front floor crossmember front reinforcement</li> <li>3. Front floor crossmember front</li> <li>4. Parking brake lever reinforcement</li> <li>5. Backbone reinforcement</li> <li>6. Parking brake cable reinforcement</li> <li>7. Seat center bracket rear</li> <li>8. Front floor crossmember rear</li> <li>9. Seat side bracket rear</li> </ul> | <ul style="list-style-type: none"> <li>10. Seat belt reinforcement</li> <li>11. Front floor side sill inner center reinforcement</li> <li>12. Front floor side sill inner</li> <li>13. Front floor sidemember</li> <li>14. Front floor crossmember rear center &lt;Except RALLIART&gt;</li> <li>15. Front floor crossmember front</li> <li>16. Front floor crossmember rear center &lt;RALLIART&gt;</li> <li>17. Front floor reinforcement lower (Right side)</li> </ul> |
|--|--|

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**REAR FLOOR**

The 590-MPa class high tensile strength steel panels have been adopted for the rear floor extension, rear floor crossmember front and rear seat crossmember to improve the body rigidity.



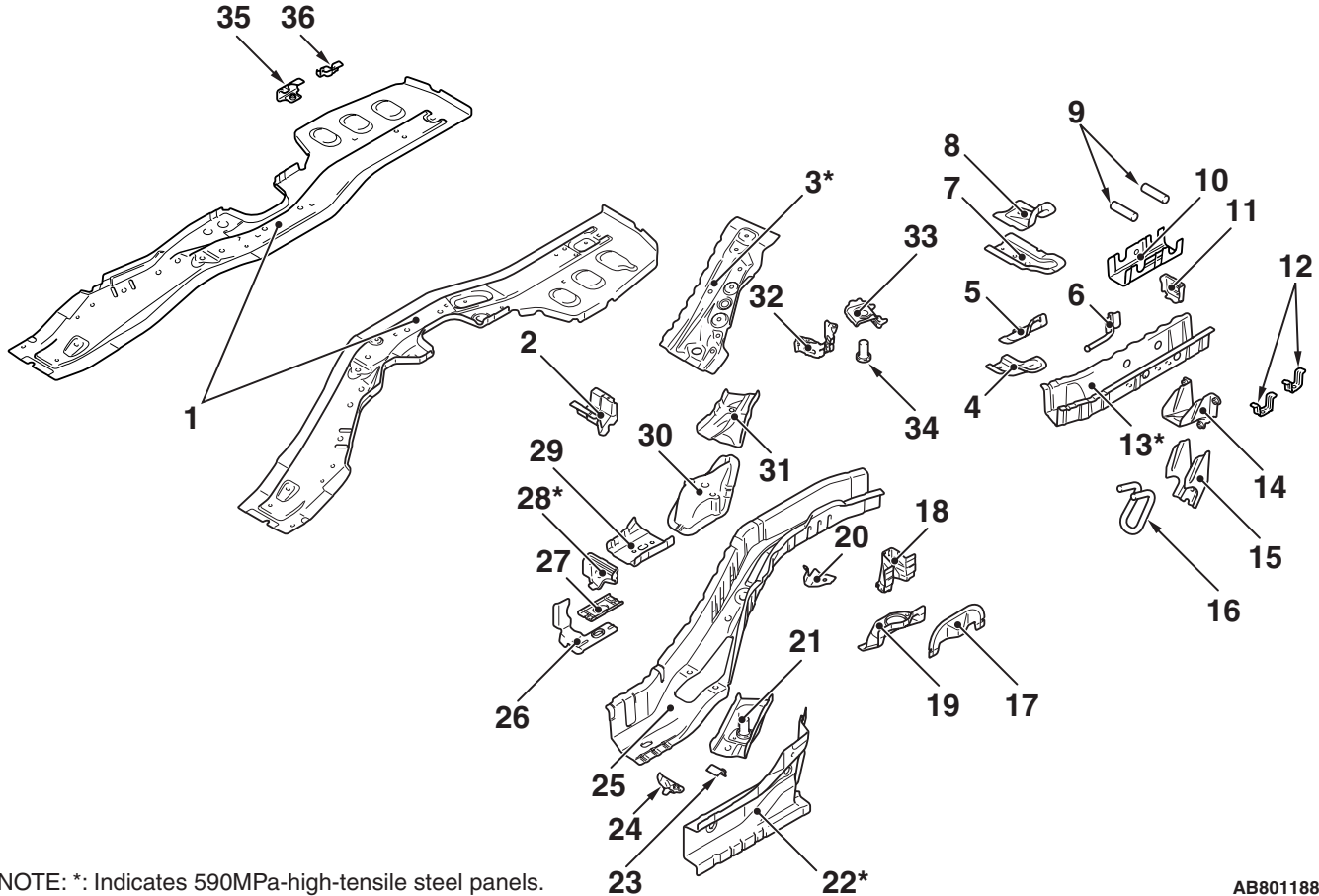
NOTE: \*: Indicates 590MPa-high-tensile steel panels.

AB801181AB

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Rear floor extension</li> <li>2. Rear seat under floor</li> <li>3. Rear floor pan rear &lt;Except RALLIART&gt;</li> <li>4. Rear floor crossmember upper</li> <li>5. Jack bracket</li> <li>6. Spare tire bracket</li> <li>7. Rear floor pan rear &lt;RALLIART&gt;</li> <li>8. Rear floor rear end crossmember</li> <li>9. Rear seat bracket</li> <li>10. Rear floor crossmember front</li> </ul> | <ul style="list-style-type: none"> <li>11. Fuel tank rear bracket</li> <li>12. Rear seat belt reinforcement</li> <li>13. Rear seat reinforcement upper</li> <li>14. Rear seat reinforcement lower</li> <li>15. Rear seat crossmember bulkhead inner</li> <li>16. Rear seat crossmember</li> <li>17. Sidemember front floor extension</li> <li>18. Rear floor sidemember</li> <li>19. Extension rear floor reinforcement side</li> </ul> |
|---|---|

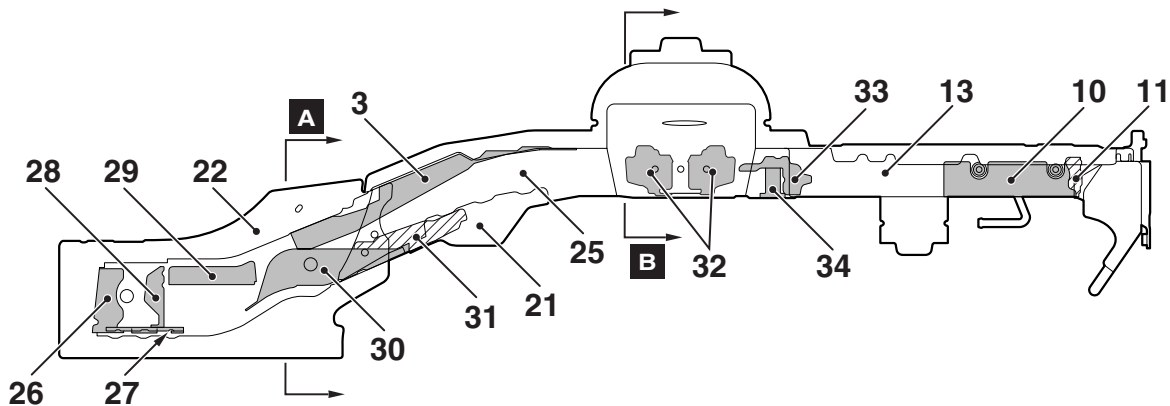
**REAR FLOOR SIDEMEMBER REINFORCEMENT**

The 590-MPa class high tensile strength steel panels have been adopted for the rear floor sidemember reinforcement, rear floor sidemember extension, rear floor side sill inner and rear floor sidemember bulk-head to improve the body rigidity.



NOTE: \*: Indicates 590MPa-high-tensile steel panels.

AB801188AB

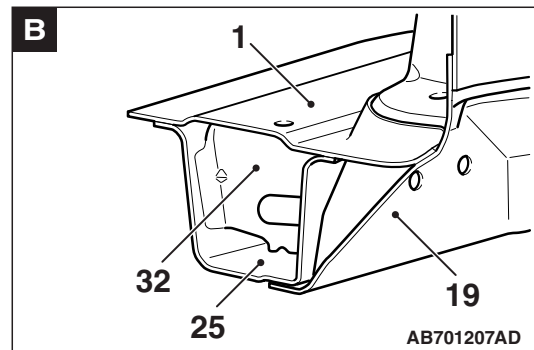
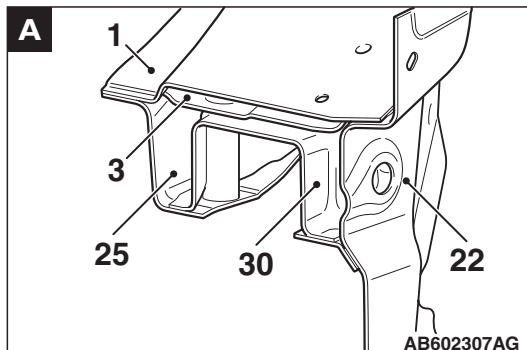


AB801205AB

- |  |   |
|--|---|
| 1. Rear floor side panel   | 6. Muffler hanger rear                                    |
| 2. Rear floor crossmember extension                              | 7. Rear floor crossmember extension rear <RALLIART>       |
| 3. Rear floor sidemember reinforcement                           | 8. Rear floor crossmember extension rear upper <RALLIART> |
| 4. Rear floor crossmember extension rear <Except RALLIART>       | 9. Shipping pipe <RALLIART>                               |
| 5. Rear floor crossmember extension rear upper <Except RALLIART> | 10. Shipping bracket reinforcement <RALLIART>             |



11. Rear floor sidemember extension bulkhead <Except RALLIART>
12. Canister bracket (Left side)
13. Rear floor sidemember extension
14. Rear bumper support
15. Rear shipping hook reinforcement (Left side) <Except RALLIART>
16. Rear shipping hook (Left side) <Except RALLIART>
17. Rear spring house panel
18. Rear spring house reinforcement
19. Rear spring house bracket
20. Rear floor crossmember extension reinforcement
21. Rear suspension bracket front
22. Rear floor side sill inner
23. Rear brake hose bracket
24. Rear parking brake cable rear bracket
25. Rear floor sidemember lower
26. Rear floor sidemember extension front
27. Rear tie down plate
28. Rear floor sidemember bulkhead
29. Rear floor sidemember reinforcement front A
30. Trailing arm bracket
31. Rear floor sidemember reinforcement front B
32. Rear floor sidemember bulkhead rear
33. Rear suspension bracket rear
34. Pipe nut
35. Hydraulic unit bracket front (Right side) <RALLIART>
36. Hydraulic unit bracket rear (Right side) <RALLIART>

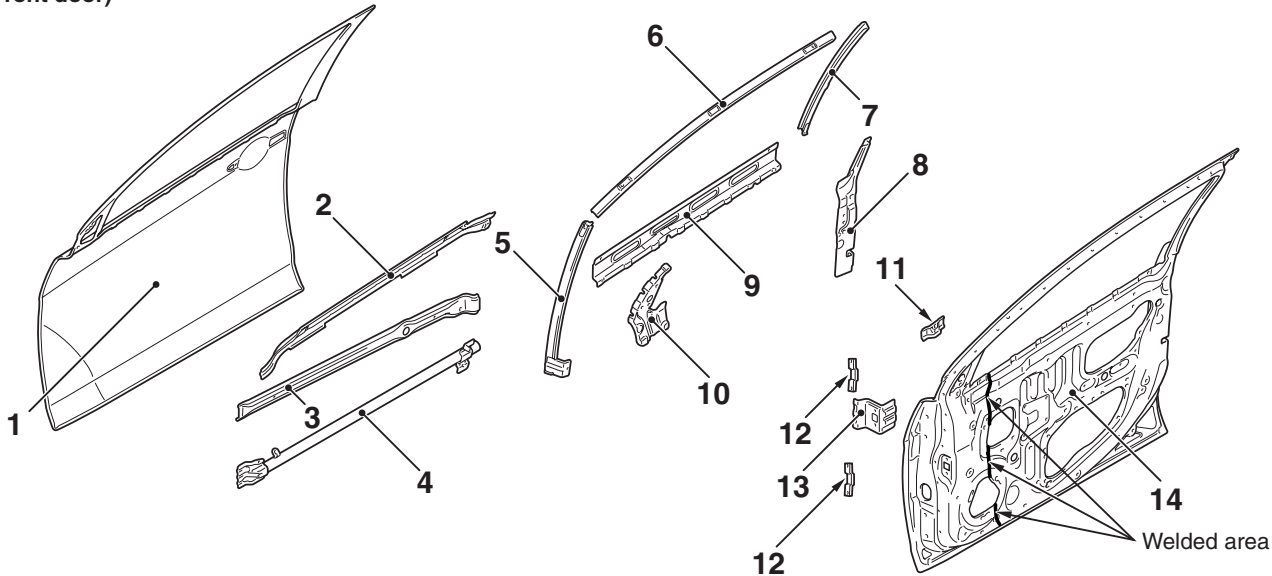


DOOR

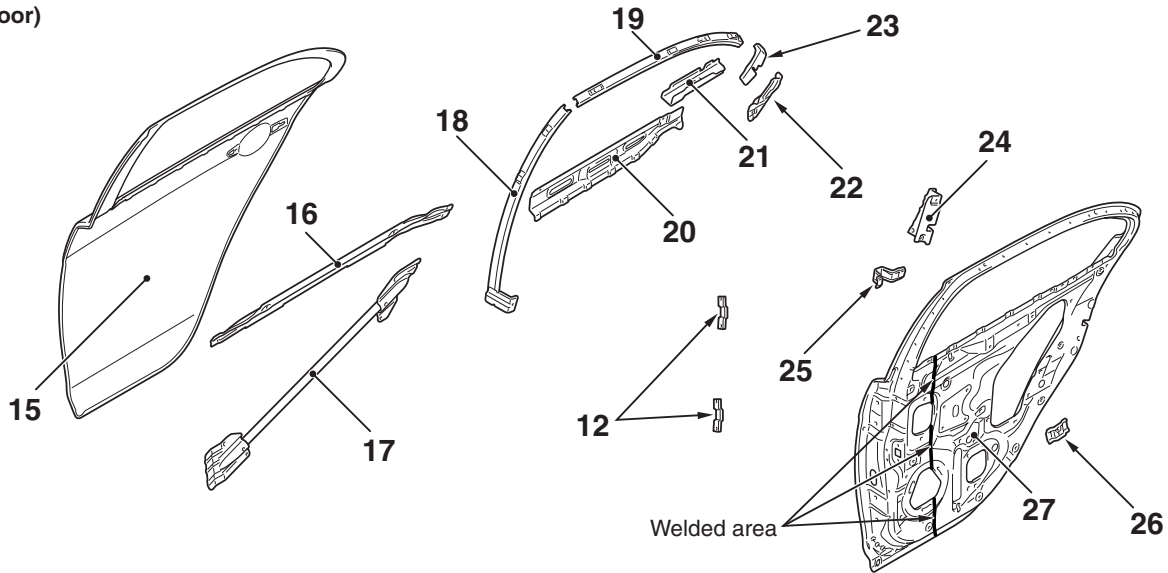
An uneven thickness steel sheet\* has been used for the front and rear door panel inners to make the forward part of the vehicle thicker for reduction in vehicle weight and higher rigidity.

NOTE: \*: A steel sheet of varying thickness that is welded into one steel sheet.

(Front door)



(Rear door)



- |  |  |
|--|--|
| 1. Front door panel outer                  | 15. Rear door panel outer                  |
| 2. Front door beltline outer reinforcement | 16. Rear door beltline outer reinforcement |
| 3. Front door outer stiffener              | 17. Rear door side door beam               |
| 4. Front door side door beam               | 18. Rear door window front sash            |
| 5. Front door window front sash            | 19. Rear door window upper sash            |
| 6. Front door window upper sash            | 20. Rear door beltline inner reinforcement |
| 7. Front door window rear sash             | 21. Rear door beltline bracket             |
| 8. Front door latch reinforcement          | 22. Rear door sash reinforcement           |
| 9. Front door beltline inner reinforcement | 23. Rear door stat corner bracket          |
| 10. Front door mirror reinforcement        | 24. Rear door latch reinforcement          |
| 11. Front door inside handle bracket       | 25. Rear door window sash lower bracket    |
| 12. Nut plate                              | 26. Rear door inside handle bracket        |
| 13. Front door checker reinforcement       | 27. Rear door panel inner                  |
| 14. Front door panel inner                 |  |

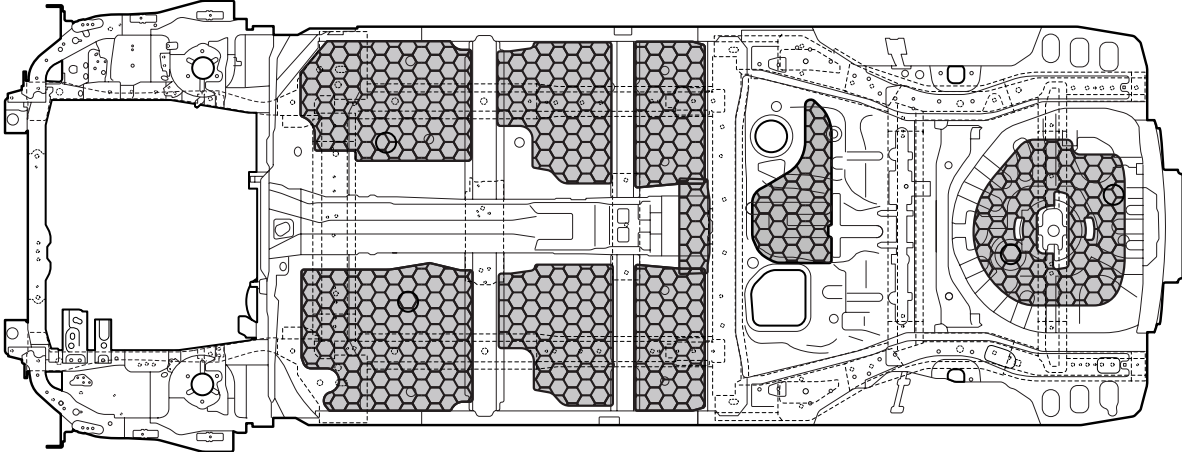
# SILENCER APPLICATION LOCATIONS

M4010005002177

A silencer (MD-12 and melting sheet) has been affixed on the upper surface of the floor for vibration damping.

*NOTE: MD-12 is a high performance sheet composed of asphalt applied with mica and thermosetting resin for improving anti-vibration performance.*

<RALLIART and optional item (Except RALLIART)>

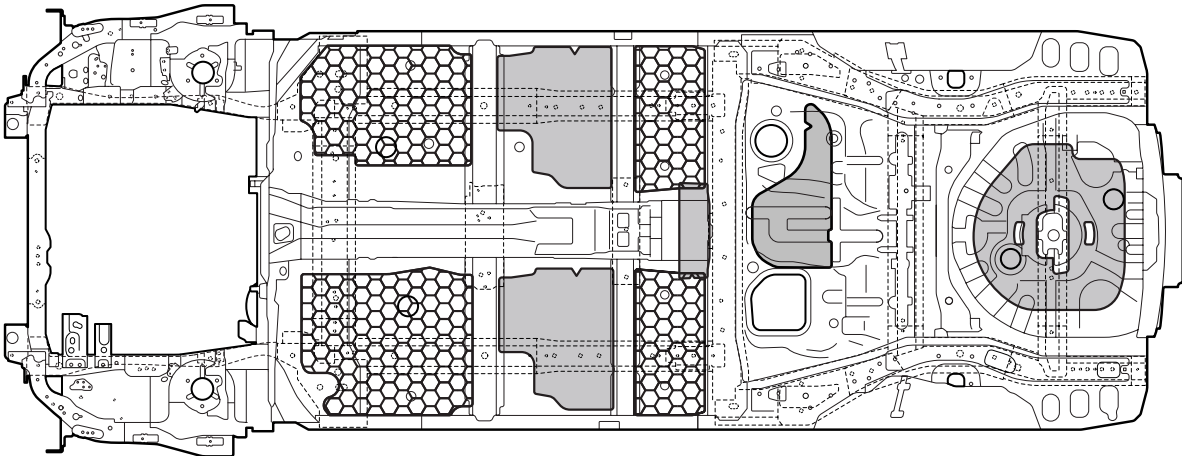


NOTE:

⊠ : 3.2 mm (0.13 in) thick MD-12 [Place two melting sheet one on top of another.]  
[ ] indicates the number of 1.6 mm (0.06 in) thick melting sheets that are used for repair.

AB900013AB

<Except RALLIART>



NOTE:

■ : 1.6 mm (0.06 in) thick melting sheet  
⊠ : 1.6 mm (0.06 in) thick MD-12 [Place a melting sheet.]  
[ ] indicates the number of 1.6 mm (0.06 in) thick melting sheets that are used for repair.

AB900014AB

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## FOAMING MATERIAL USAGE LOCATIONS

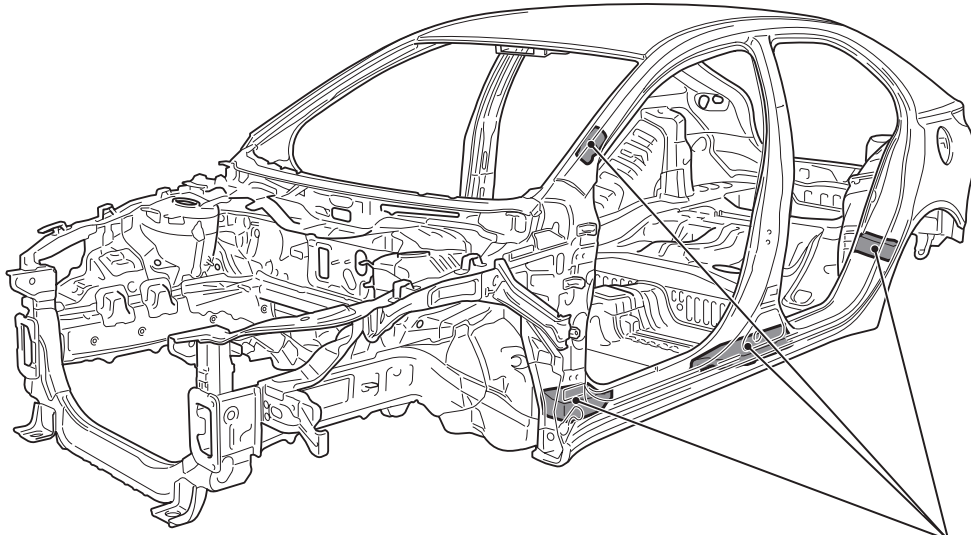
M4010006000174

**⚠ CAUTION**

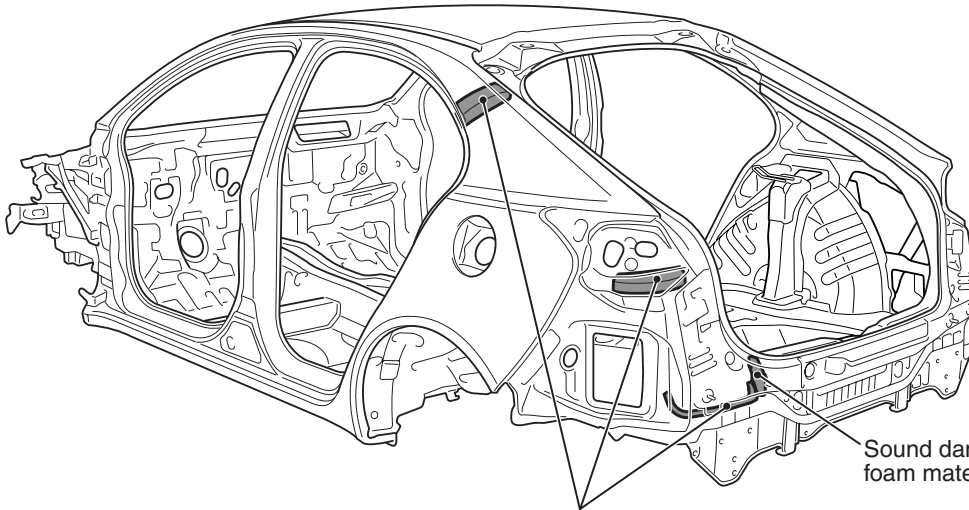
The sound dampening foam material may burn when heated. Always observe the following instructions:

- Never use a gas burner to burn the areas where sound dampening foam material is used.
- When cutting the parts which are provided with sound dampening foam material, ensure to use tools (air saw, etc.) that do not generate fire.
- If there are residual sound dampening foam material remaining on the cut section (body side), remove the sound dampening foam material from periphery of the welding area before welding work.

The sound dampening foam material have been adopted to the upper and lower sections of the front pillar, center pillar lower section, gate pillar section, the wheel house arch, the rear combination light housing and rear end panel inner inside to shield from external noise.



Sound dampening foam material



Sound dampening  
foam material <RALLIART>

Sound dampening foam material

AB801001AB

## STIFFENER APPLICATION LOCATIONS

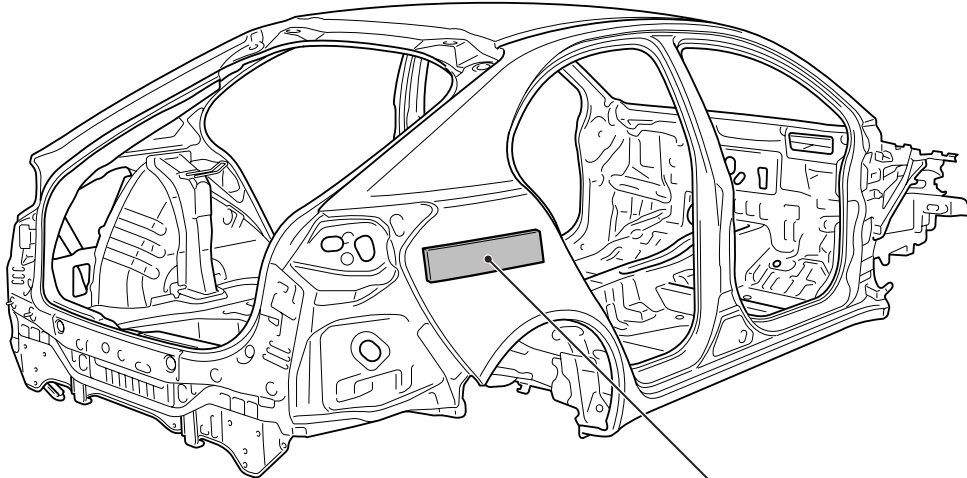
M4010008000482

Stiffeners have been adhered on the inner side of the side outer panel for higher surface rigidity.

**NOTE:**

- The main contents of a stiffener are epoxy resin. It comes in a sheet form and contains a mixture of glass fiber and filler, and cures (stiffens) when heated.

- No spare part of the stiffener for repair is available in the field. If the stiffener is damaged, replace it together with the panel.



Stiffener (Right side only)

AB800505AB