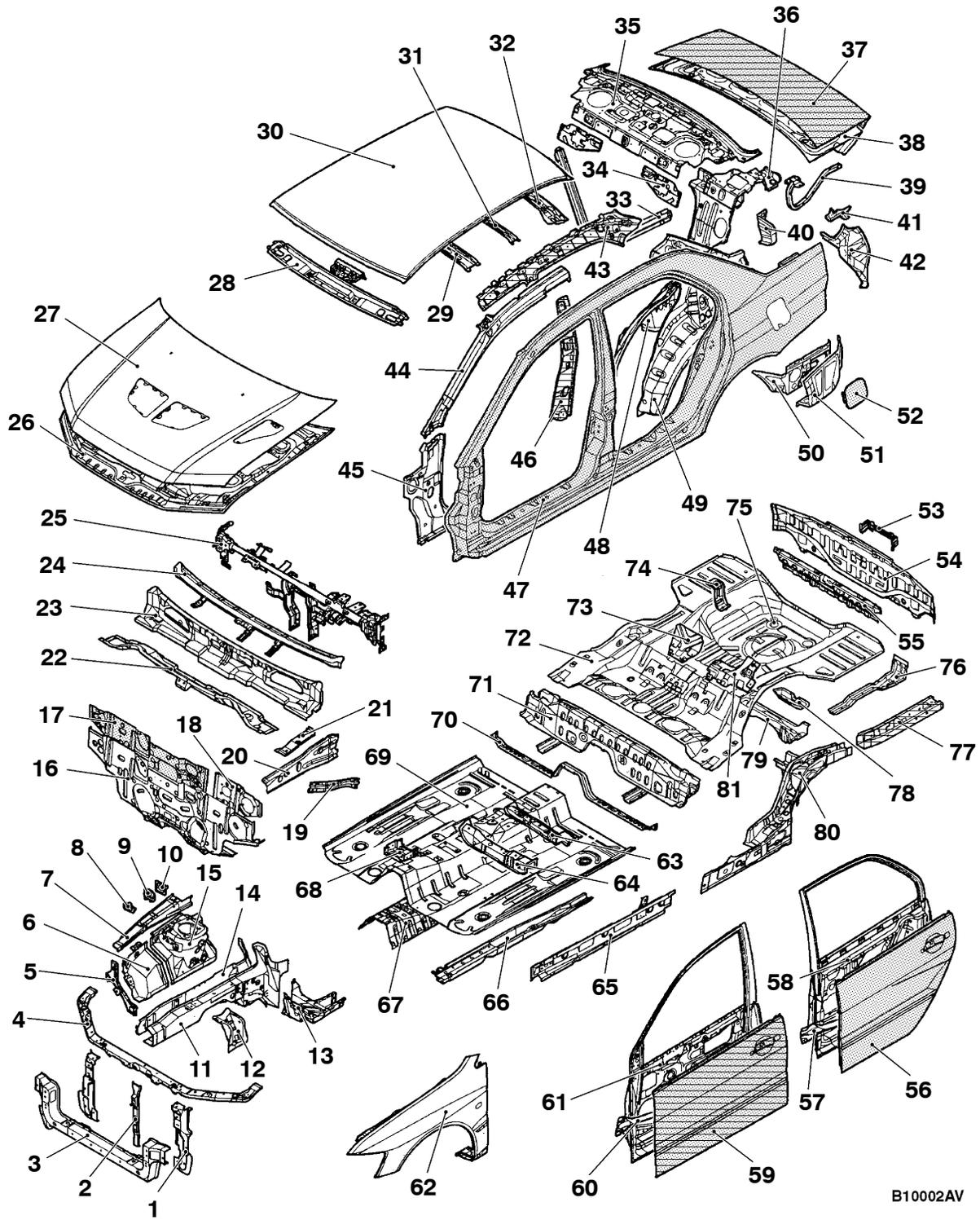

BODY CONSTRUCTION

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BODY COMPONENTS

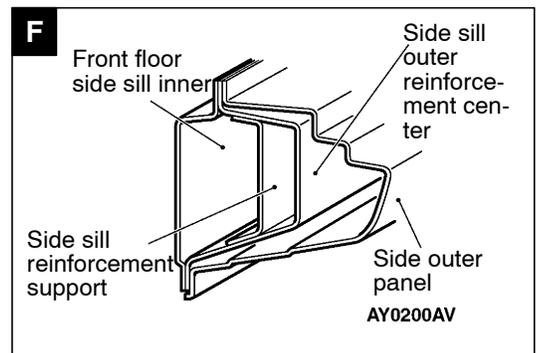
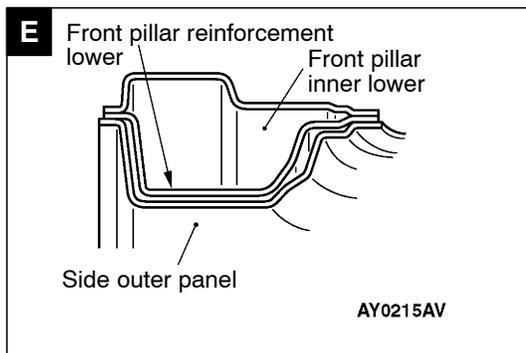
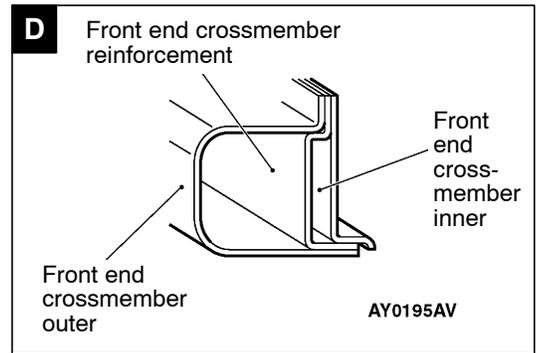
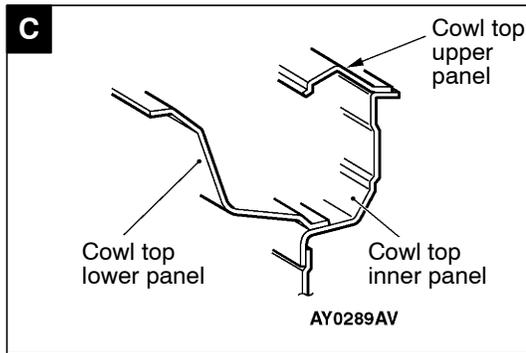
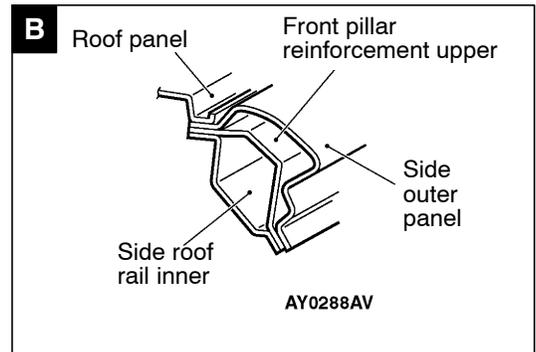
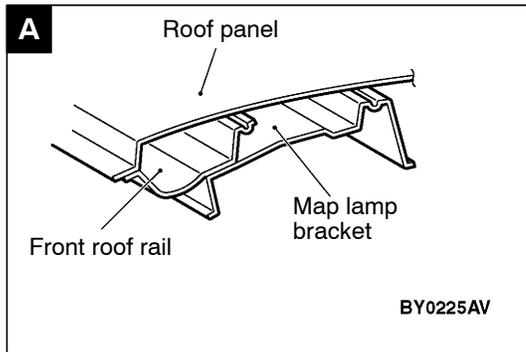
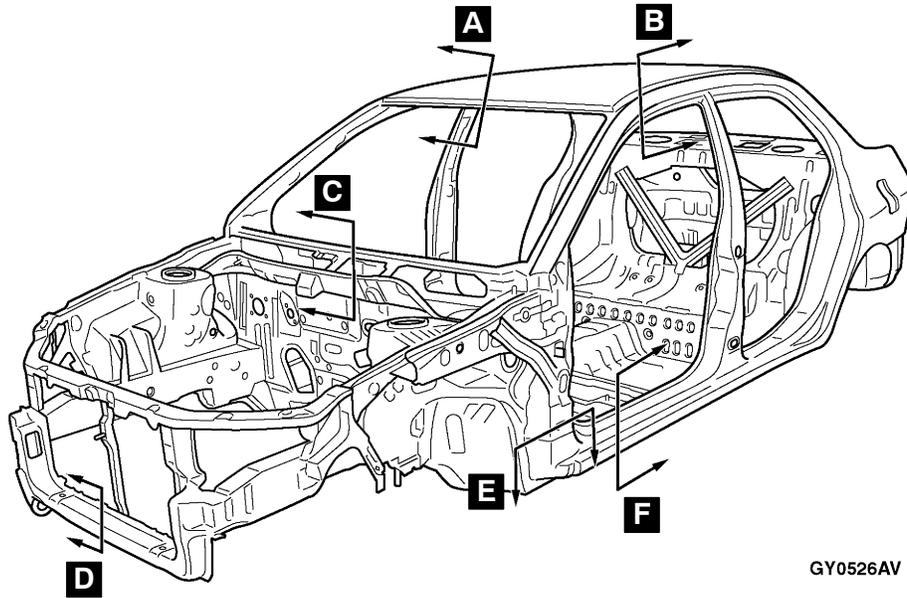


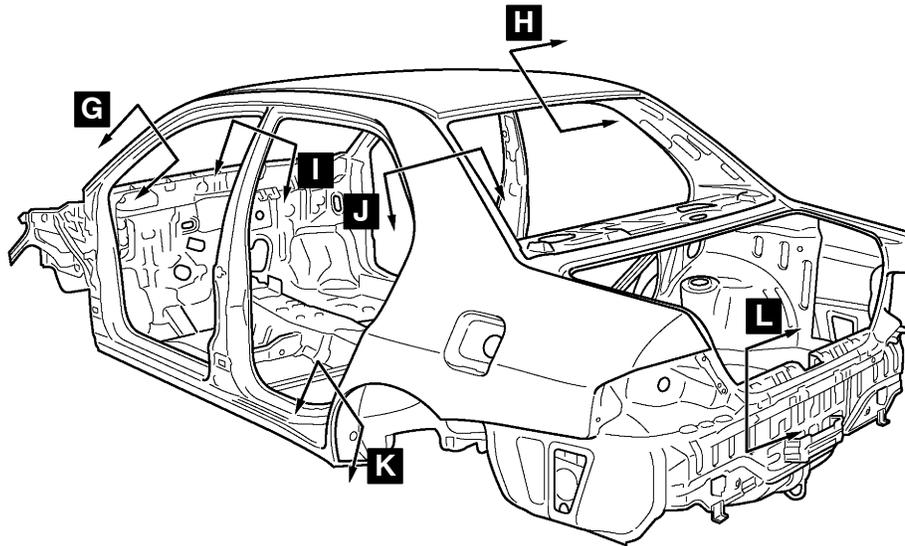
B10002AV

-  : Anticorrosion steel plates
-  : High-tensile steel panels

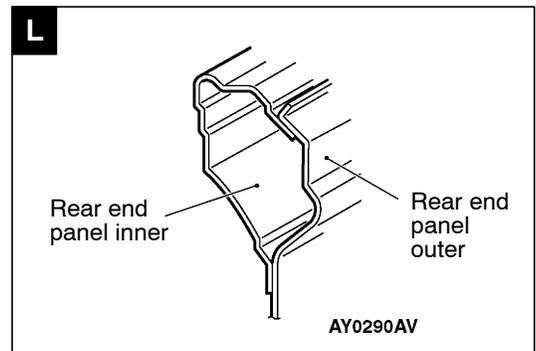
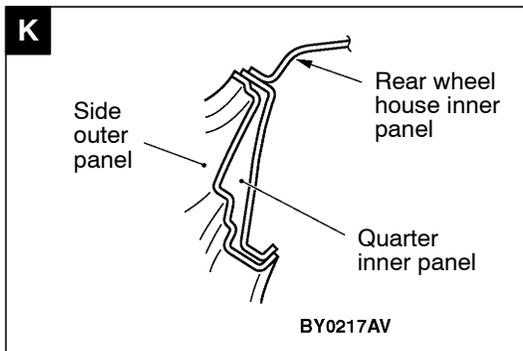
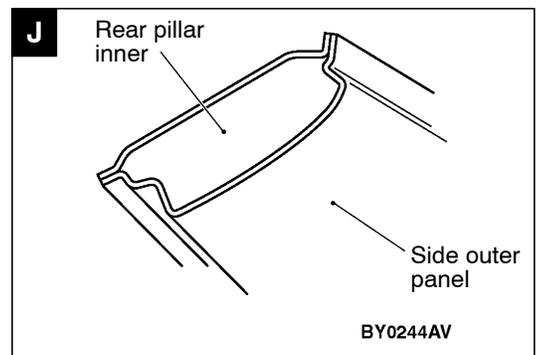
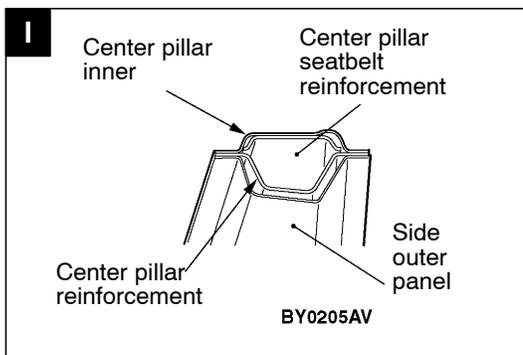
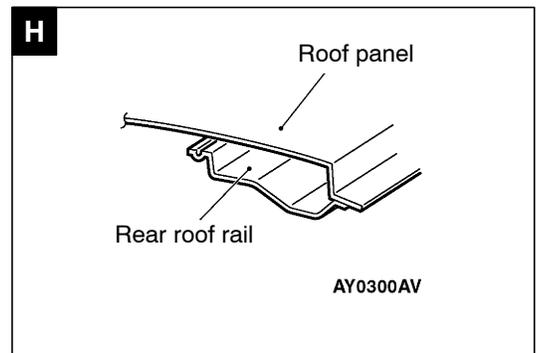
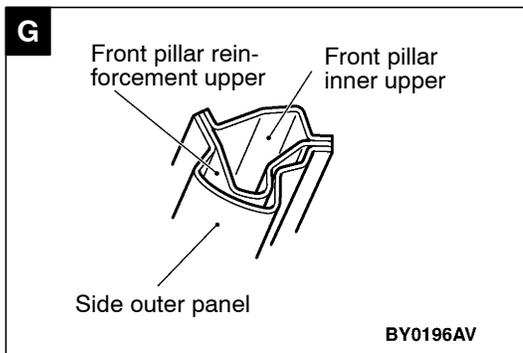
1. Headlamp support panel
2. Hood lock stay
3. Front end crossmember
4. Front end upper bar
5. Headlamp support panel side
6. Front fender shield
7. Front upper frame inner
8. Upper frame bulkhead front
9. Upper frame bulkhead
10. Upper frame bulkhead rear
11. Front sidemember inner
12. Engine mount bracket
13. Front sidemember rear
14. Front sidemember outer
15. Spring house panel
16. Dash panel
17. Dash panel silencer
18. Dash panel reinforcement
19. Upper frame to front pillar brace
20. Upper frame extension outer
21. Upper frame extension inner
22. Cowl top lower panel
23. Cowl top inner panel
24. Cowl top upper panel
25. Front deck crossmember
26. Hood inner panel
27. Hood outer panel
28. Front roof rail
29. Front roof bow
30. Roof panel
31. Rear roof bow
32. Rear roof rail
33. Seat back plate
34. Rear seat back panel
35. Rear shelf panel
36. Rear seat back brace
37. Trunk lid outer panel
38. Trunk lid inner panel
39. Trunk lid hinge
40. Quarter inner extension rear
41. Quarter corner panel
42. Rear combination lamp housing
43. Side roof rail inner
44. Front pillar inner upper
45. Front pillar inner lower
46. Center pillar inner
47. Side outer panel
48. Rear wheel house inner panel
49. Quarter inner panel
50. Rear floor side brace
51. Quarter outer extension lower
52. Fuel filler door
53. Rear license plate bracket
54. Rear end panel outer
55. Rear end panel inner
56. Rear door outer panel
57. Rear door side door beam
58. Rear door inner panel
59. Front door outer panel
60. Front door side door beam
61. Front door inner panel
62. Fender panel
63. Front floor crossmember rear
64. Front floor crossmember front
65. Front floor side sill inner
66. Front floor sidemember
67. Backbone reinforcement
68. Installment panel center bracket reinforcement
69. Front floor pan
70. Front floor extension panel rear
71. Rear floor extension
72. Rear floor pan
73. Seat back plate extension
74. Jack bracket
75. Spare tire bracket
76. Towing hook reinforcement
77. Rear floor sidemember extension
78. Crossmember center support
79. Rear floor crossmember
80. Rear floor sidemember
81. Rear seat back reinforcement

BODY MAIN CROSS-SECTIONAL VIEWS





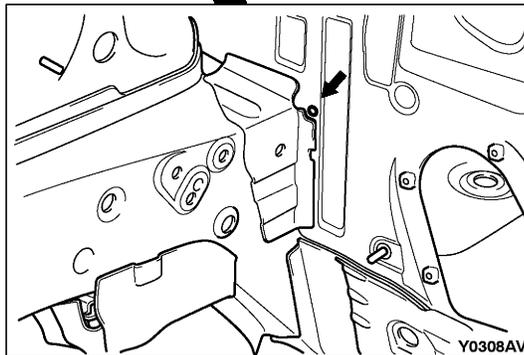
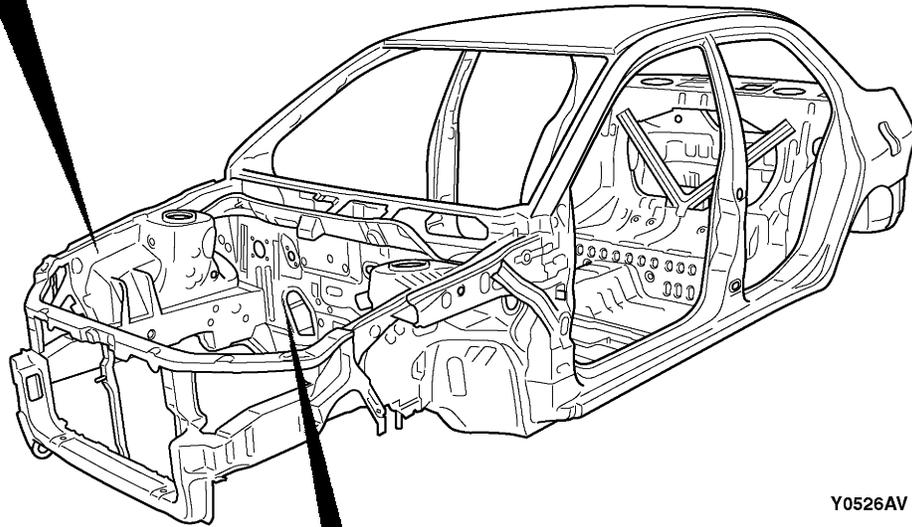
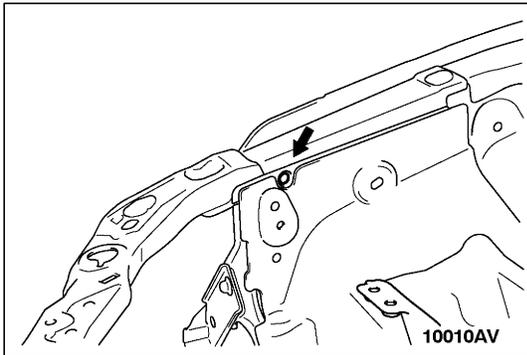
FY0527AV



MAINTENANCE, SERVICEABILITY

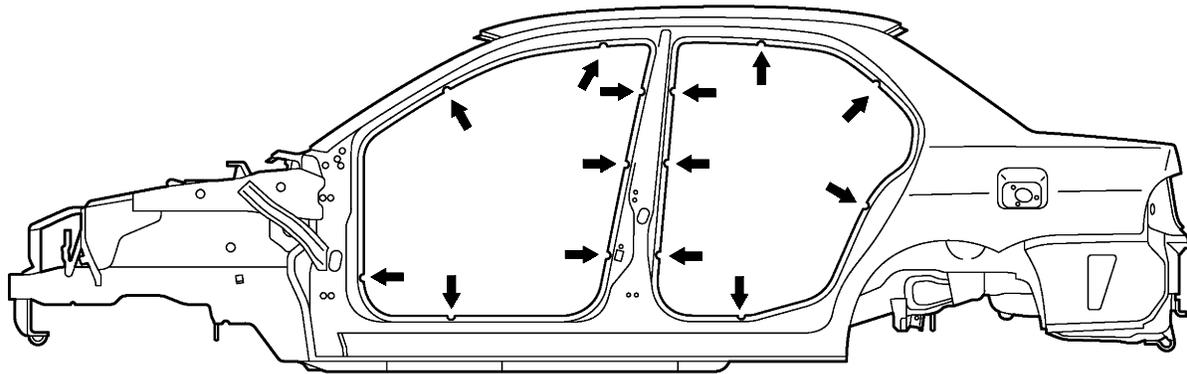
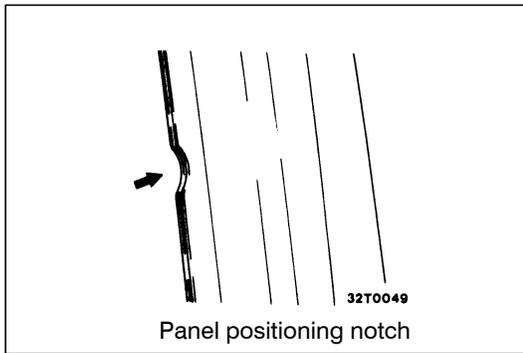
Fender Shield

Positioning holes, marks, and notches have been provided at the following overlapped areas to improve operation performance when replacing panels.



Side Structure

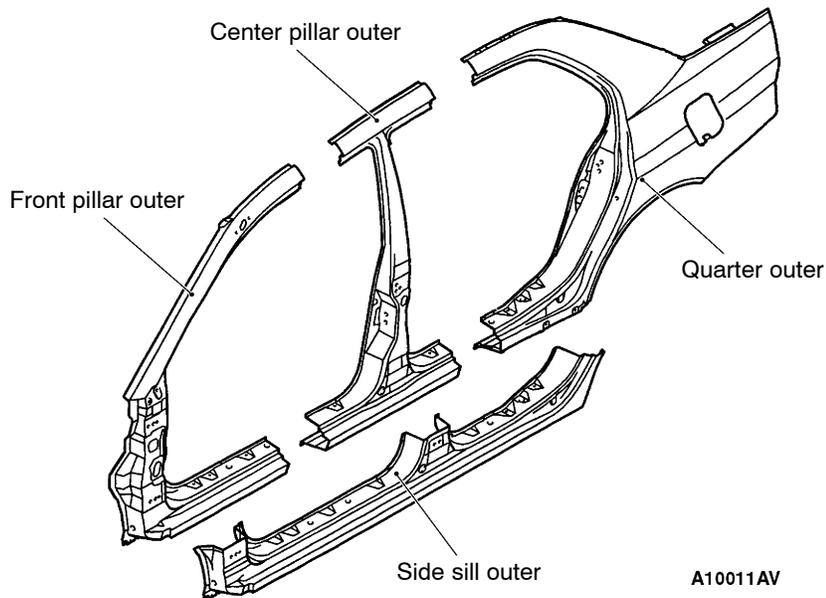
Panel positioning notches have been provided at the door opening section to improve operation performance when replacing panels.



Y0608AV

Side Outer Panel

Spare parts are provided in the following cut form with the adoption of the pillar integral type side outer panel.



A10011AV

BODY CONSTRUCTION CHARACTERISTICS

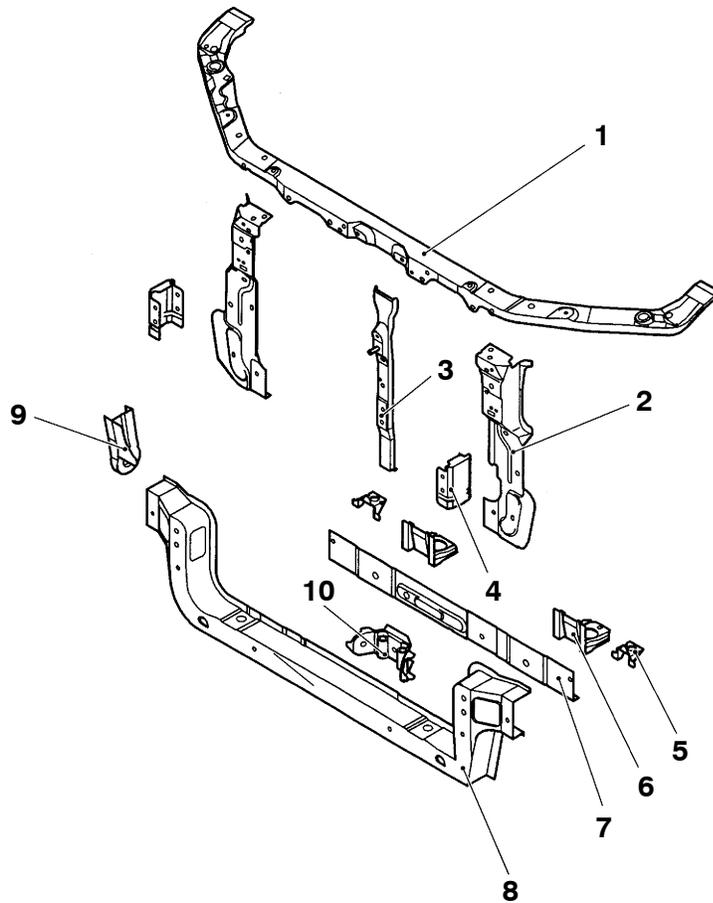
FRONT BODY

Headlamp Support

1. By adopting a steel sheet with variable thickness* for the front end crossmember outer, the steel sheet thickness on the right side of the vehicle has been increased to improve safety in collision and body rigidity.

NOTE

*: Steel sheets with different thickness welded to form one steel sheet.



BY0528AV

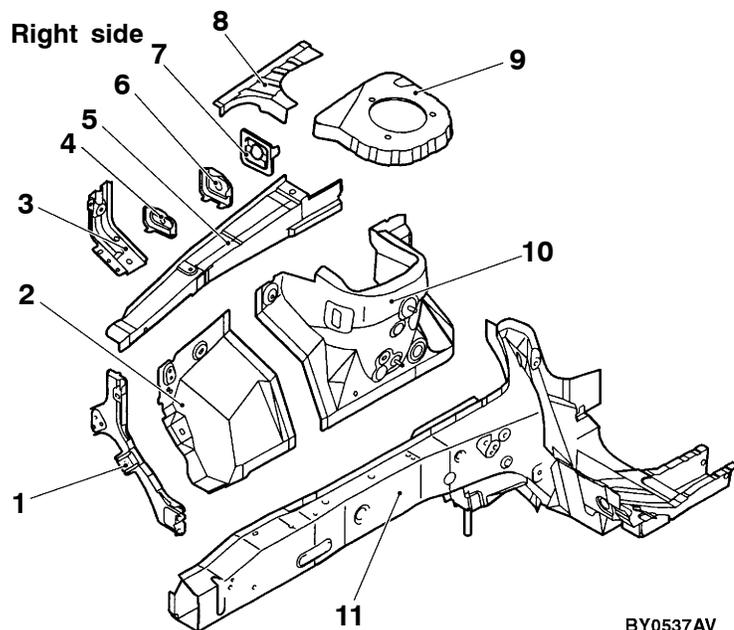
- | | |
|--|---|
| 1. Front end upper bar | 6. Radiator bracket |
| 2. Headlamp support panel | 7. Front end crossmember inner |
| 3. Hood lock stay | 8. Front end crossmember outer |
| 4. Front end crossmember inner reinforcement | 9. Shipping hook |
| 5. A/C condenser bracket | 10. Front end crossmember reinforcement |

Fender Shield

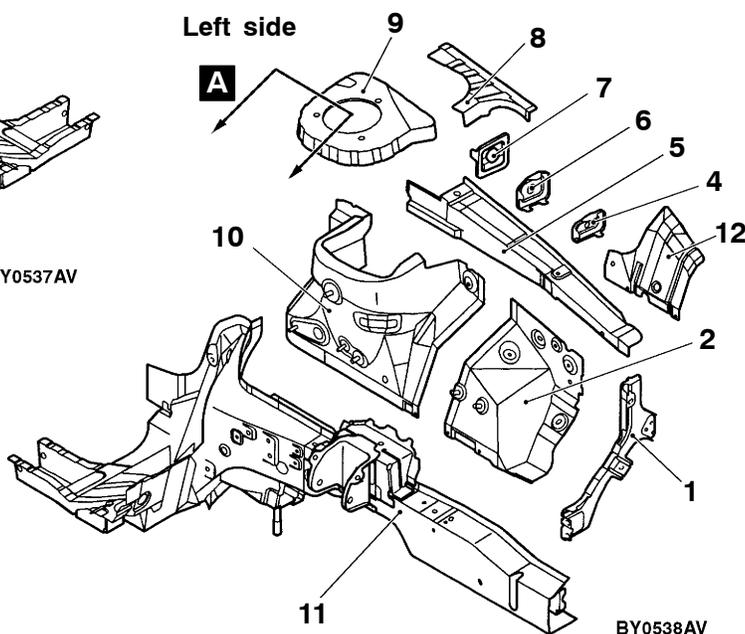
1. The cross section of the front sidemember has been increased and a steel sheet with variable thickness* has been adopted for the front sidemember inner to increase the thickness of the cabinet side in the aim to improve safety in collision, body rigidity, and realize lightweight.

NOTE

*: Steel sheets with different thickness welded to form one steel sheet.



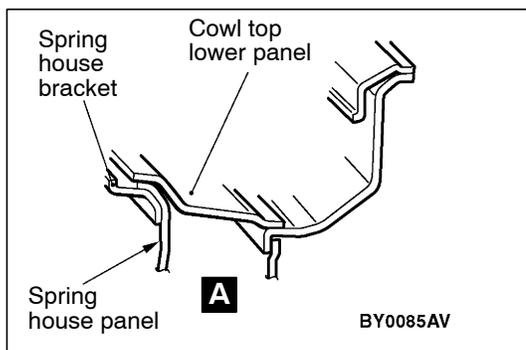
BY0537AV



BY0538AV

1. Headlamp support panel side
2. Front fender shield
3. Engine mount reinforcement
4. Upper frame bulkhead front
5. Front upper frame inner
6. Upper frame bulkhead

7. Upper frame bulkhead rear
8. Spring house bracket reinforcement
9. Spring house bracket
10. Spring house panel
11. Front sidemember
12. Transmission mount reinforcement outer

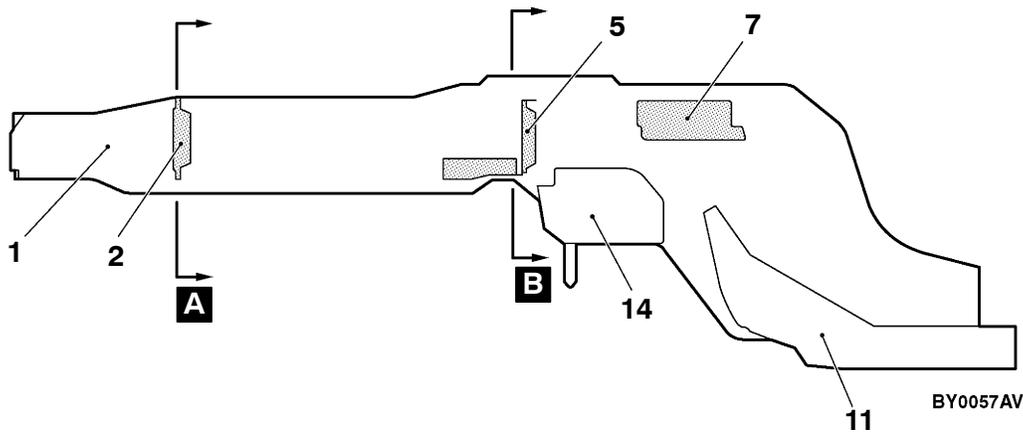
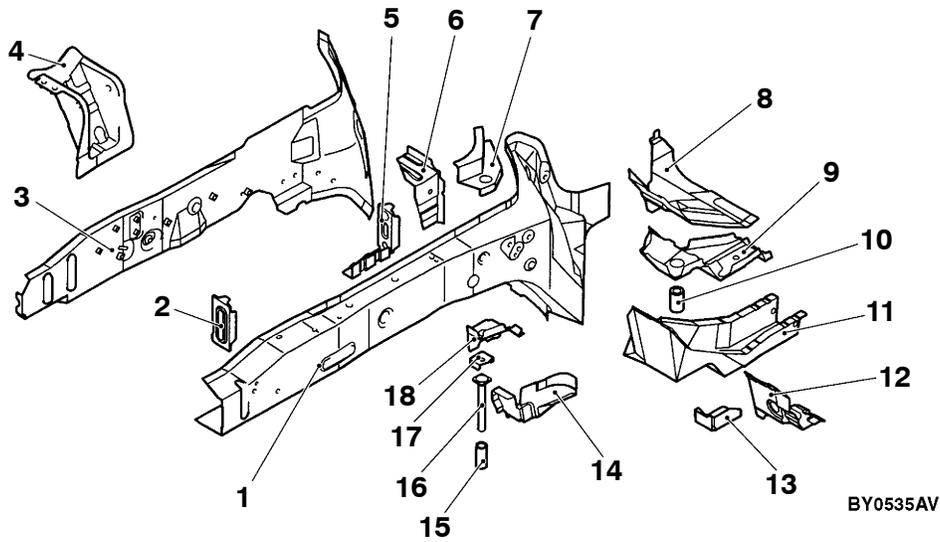


BY0085AV

2. The spring house panel has been designed to be directly installed with the cowl top lower panel, and the body rigidity of the suspension attachment holder has been increased to improve operational stability and quietness.

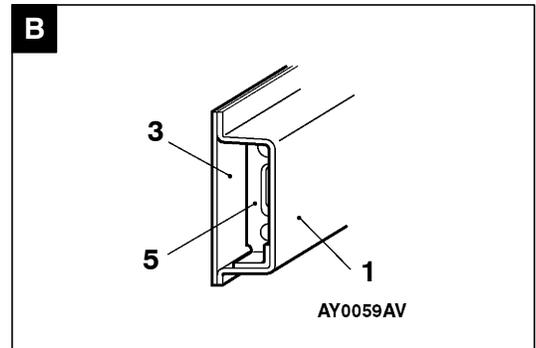
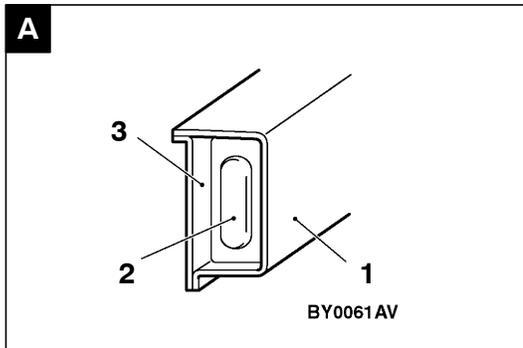
Front Sidemember Reinforcement

Right side

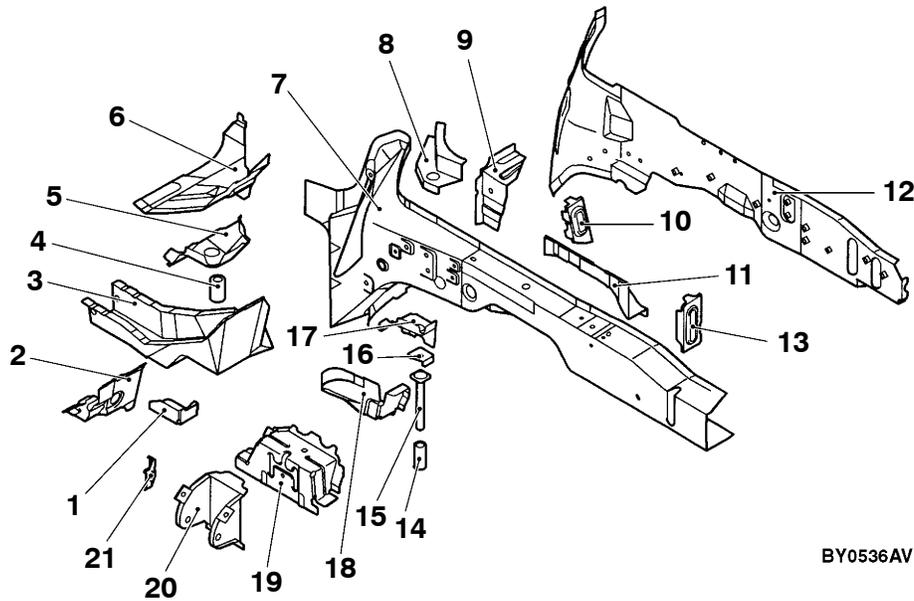


- 1. Front sidemember inner
- 2. Front sidemember bulkhead A
- 3. Front sidemember outer
- 4. Engine mount bracket
- 5. Front sidemember inner reinforcement lower
- 6. Front sidemember gusset rear
- 7. Front sidemember inner reinforcement rear
- 8. Dash panel extension
- 9. Pipe support rear

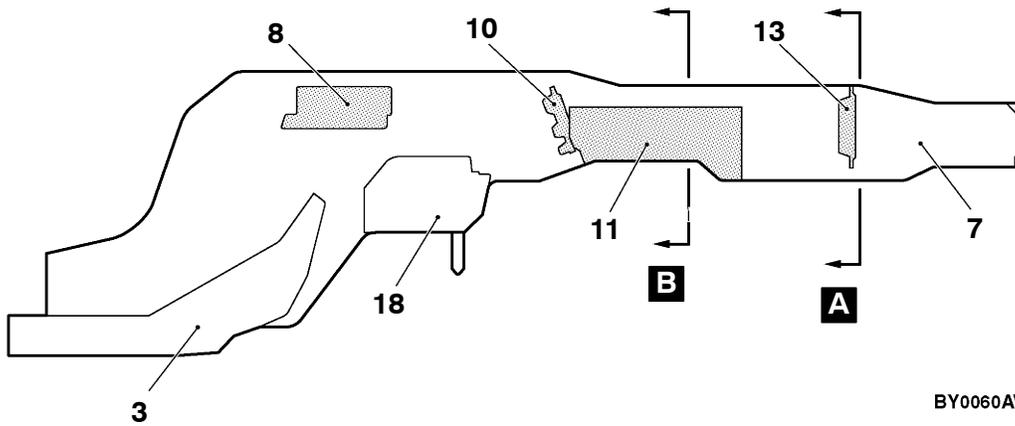
- 10. Pipe nut
- 11. Front sidemember rear
- 12. Dash crossmember extension
- 13. Suspension crossmember support bracket
- 14. Suspension crossmember bracket inner
- 15. Pipe
- 16. Square head bolt
- 17. Retainer
- 18. Pipe support front



Left side

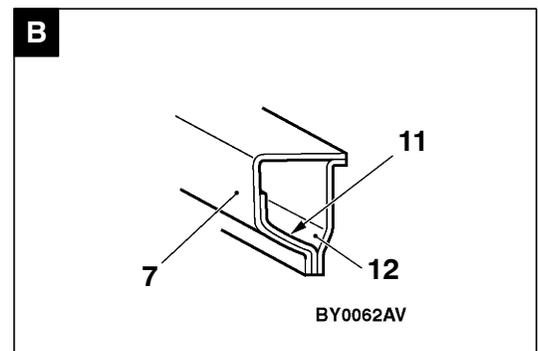
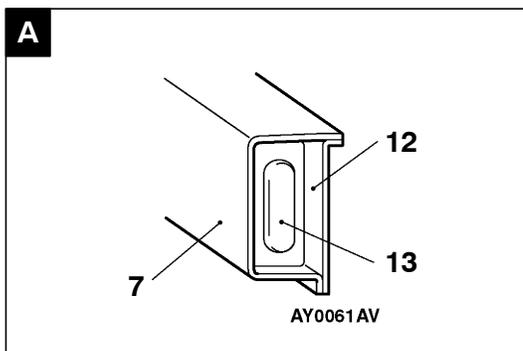


BY0536AV



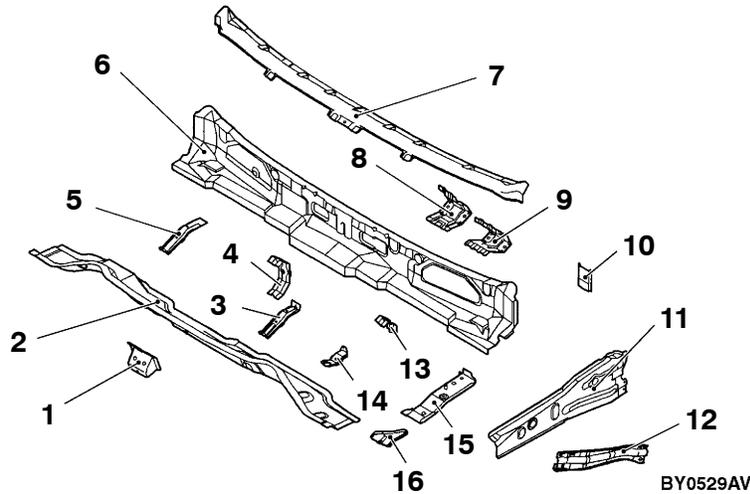
BY0060AV

- | | |
|--|---|
| 1. Suspension crossmember support bracket | 12. Front sidemember outer |
| 2. Dash crossmember extension | 13. Front sidemember bulkhead A |
| 3. Front sidemember rear | 14. Pipe |
| 4. Pipe nut | 15. Square head bolt |
| 5. Pipe support rear | 16. Retainer |
| 6. Dash panel extension | 17. Pipe support front |
| 7. Front sidemember inner | 18. Suspension crossmember bracket inner |
| 8. Front sidemember inner reinforcement rear | 19. Transmission mount reinforcement |
| 9. Front sidemember gusset rear | 20. Transmission mount bracket |
| 10. Front sidemember bulkhead rear | 21. Transmission mount reinforcement rear |
| 11. Front sidemember inner reinforcement | |



Front Deck

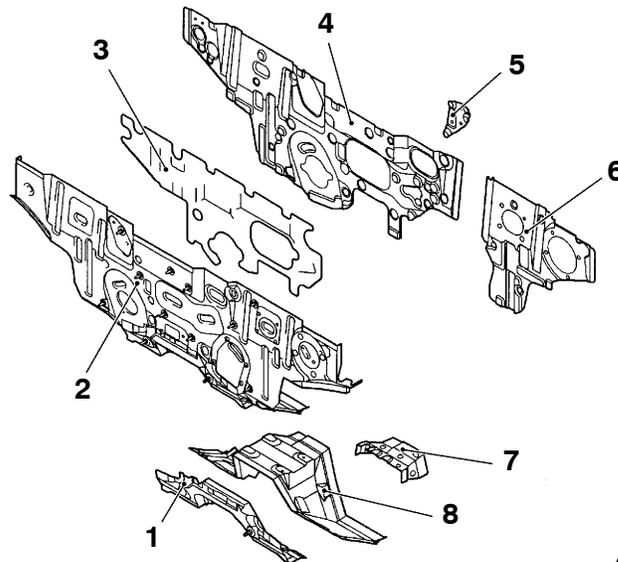
Strut house gusset and upper frame to front pillar brace have been added to improve body rigidity.



- | | |
|--|---------------------------------------|
| 1. Strut tower bar bracket | 9. Clutch pedal support bracket |
| 2. Cowl top lower panel | 10. A/C Unit bracket (RHD) |
| 3. Cowl top upper bracket center | 11. Upper frame extension outer |
| 4. Cowl top upper reinforcement center | 12. Upper frame to front pillar brace |
| 5. Cowl top upper bracket side (LHD) | 13. Cowl top upper reinforcement |
| 6. Cowl top inner panel | 14. Cowl top lower bracket |
| 7. Cowl top upper panel | 15. Upper frame extension inner |
| 8. Pedal support bracket | 16. Strut house gusset |

Dash Panel

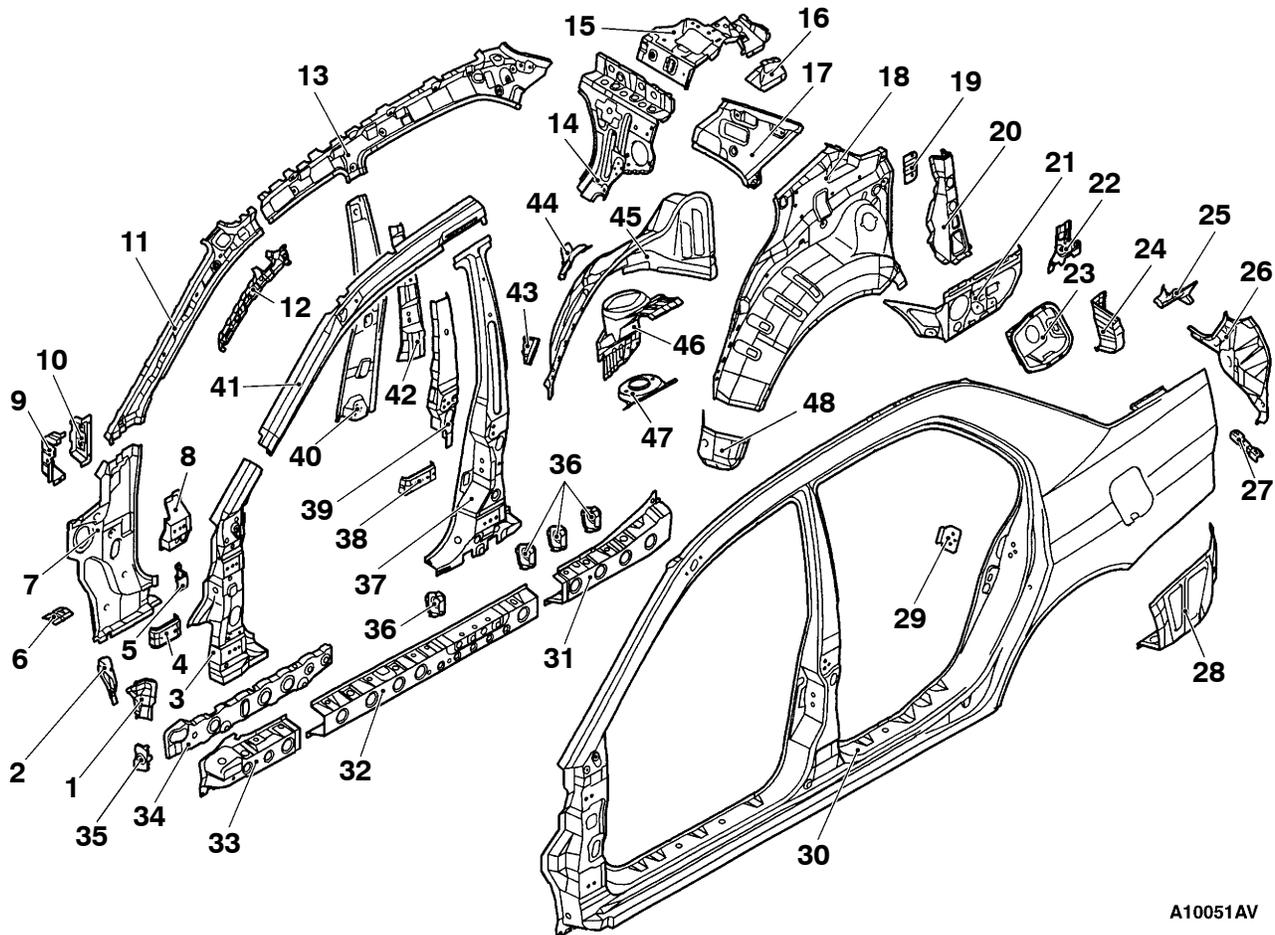
1. A dash panel crossmember has been added and the thickness of the dash panel lower has been increased to improve collision stability.
2. A silencer (steel sheet binding type vibration damping material) has been added between the dash panel and dash panel silencer to control the penetrating sound and vibration from the engine.



- | | |
|---------------------------|------------------------------------|
| 1. Dash panel crossmember | 5. Accel pedal reinforcement (LHD) |
| 2. Dash panel | 6. Dash panel reinforcement |
| 3. Dash silencer center | 7. Dash lower reinforcement (LHD) |
| 4. Dash panel silencer | 8. Dash panel lower |

SIDE BODY

Side Structure



A10051AV

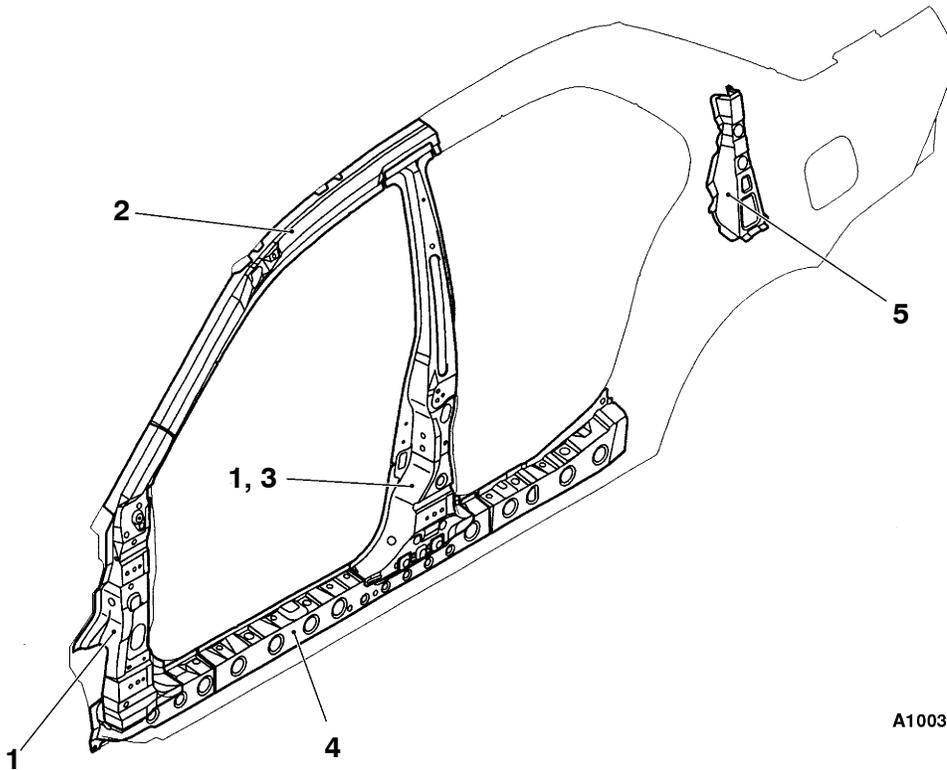
- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Front pillar reinforcement lower extension 2. Front pillar inner lower extension 3. Front pillar reinforcement lower 4. Front door hinge reinforcement lower 5. Front door check reinforcement 6. Side sill to floor plate 7. Front pillar inner lower 8. Front door hinge reinforcement upper 9. Deck crossmember bracket front 10. Deck crossmember bracket 11. Front pillar inner upper 12. Front pillar inner upper reinforcement (LHD, Left side) 13. Side roof rail inner 14. Rear seat back brace 15. Rear shelf upper brace 16. Rear shelf lower brace (Europe and General Export spec. models) 17. Rear pillar inner 18. Quarter inner panel 19. Oil tank bracket (Vehicles with ACD, Left side) 20. Rear pillar reinforcement 21. Rear floor side brace 22. Rear floor brace reinforcement (Vehicles with ACD, Left side) 23. Fuel filler neck bracket (Left side) | <ol style="list-style-type: none"> 24. Quarter inner extension rear 25. Quarter corner panel 26. Rear combination lamp housing 27. Rear bumper bracket 28. Quarter outer extension lower 29. Striker reinforcement 30. Side outer panel 31. Side sill outer reinforcement rear 32. Side sill outer reinforcement center 33. Side sill outer reinforcement front 34. Side sill reinforcement support 35. Side sill (A) bulkhead (LHD, Left side) 36. Side sill bulkhead 37. Center pillar reinforcement 38. Rear door hinge reinforcement lower 39. Rear door hinge reinforcement upper 40. Center pillar inner 41. Front pillar reinforcement upper 42. Center pillar seatbelt reinforcement 43. Rear seatbelt wheel house reinforcement 44. Spring house brace 45. Rear wheel house inner panel 46. Spring house panel 47. Spring house bracket 48. Side sill end plate |
|---|---|

Side Structure Reinforcement

1. The thickness of the reinforcements of the front pillar and center pillar has been increased to improve collision safety.
2. The front pillar reinforcement upper, side outer panel, and front roof rail have been joined to improve twisting rigidity.
3. The side sill has been made thin by employing a variable thickness steel sheet* for the center pillar reinforcement to improve safety in collision and realize lightweight.
4. The cross section of the side sill outer reinforcement has been made large to improve safety in collision and body rigidity.
5. A rear pillar reinforcement has been added, and the rear shelf and rear wheel house have been joined to improve the twisting rigidity of the suspension attaching portion.

NOTE

*: Steel sheets with different thickness welded to form one steel sheet.

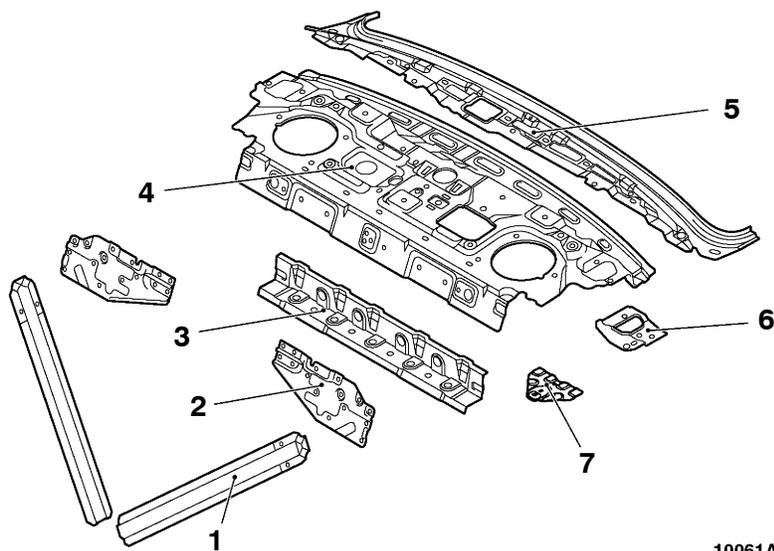


A10032AV

REAR BODY

Rear Deck

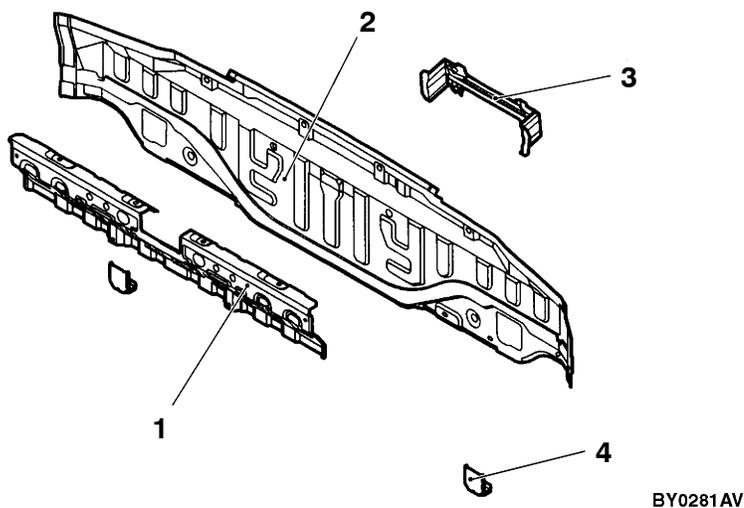
A rear shelf extension has been added to form closed surface structure. Then, the rear shelf and the rear floor have been joined to improve the torsion rigidity of the seat back plate.



- 1. Seat back plate
- 2. Rear seat back panel
- 3. Rear shelf extension
- 4. Rear shelf panel

- 5. Rear shelf reinforcement
- 6. Trunk lid hinge reinforcement
- 7. Seat belt reinforcement (Europe and General Export spec. models)

Rear end panel

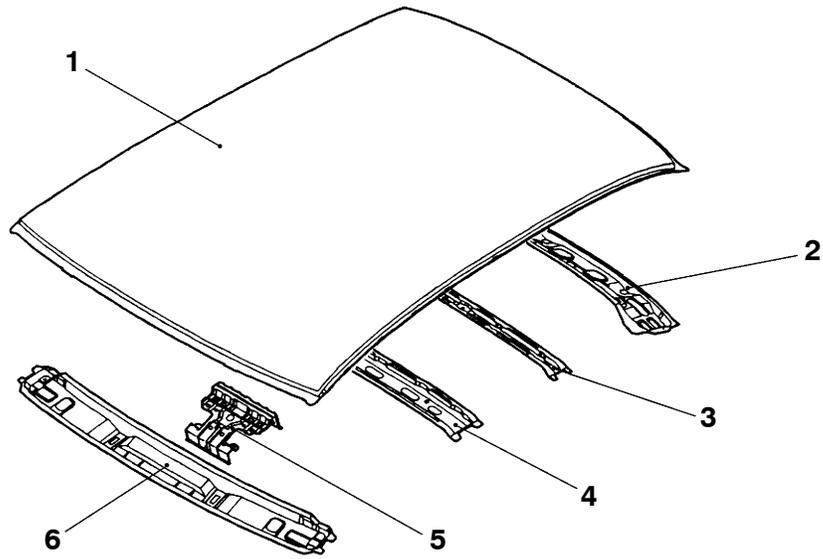


- 1. Rear end panel inner
- 2. Rear end panel outer

- 3. Rear license plate bracket
- 4. Bumper bracket lower

ROOF

The cross section of the roof bow has been made large to improve safety in collision.



AY0310AV

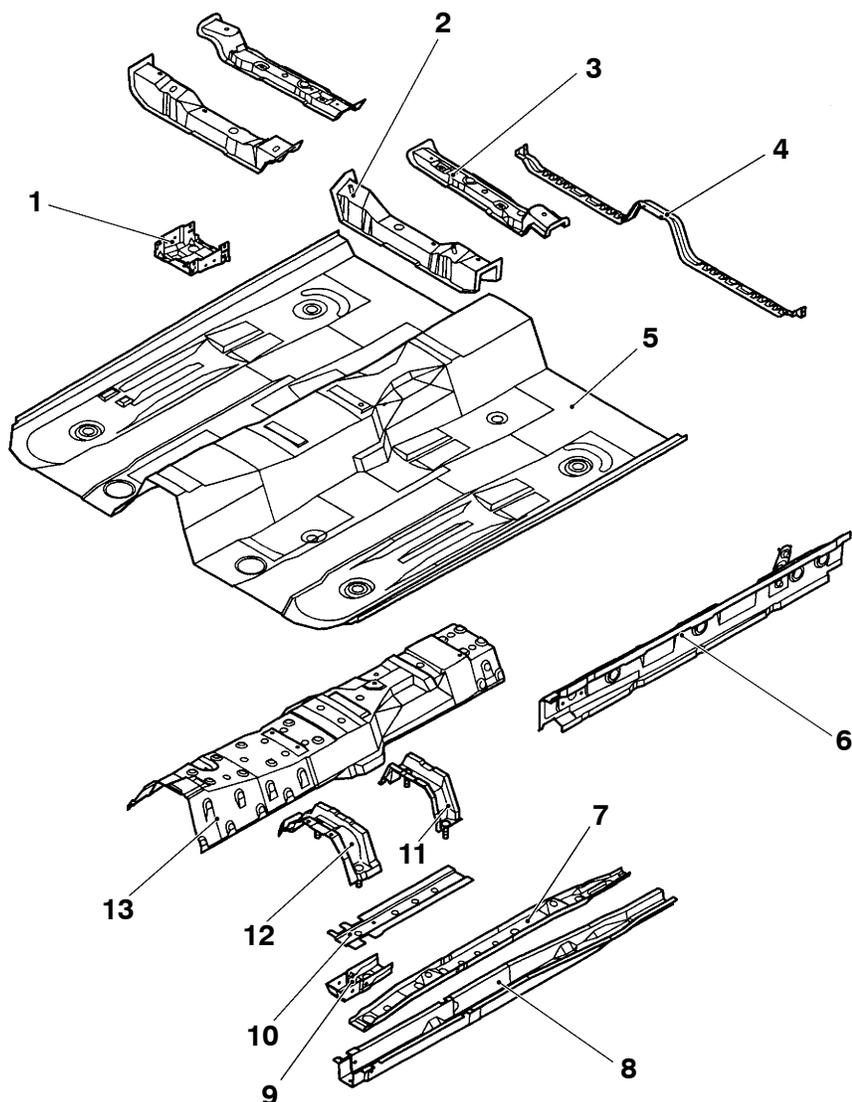
1. Roof panel
2. Rear roof rail
3. Rear roof bow

4. Front roof bow
5. Map lamp bracket
6. Front roof rail

UNDER BODY

Front Floor

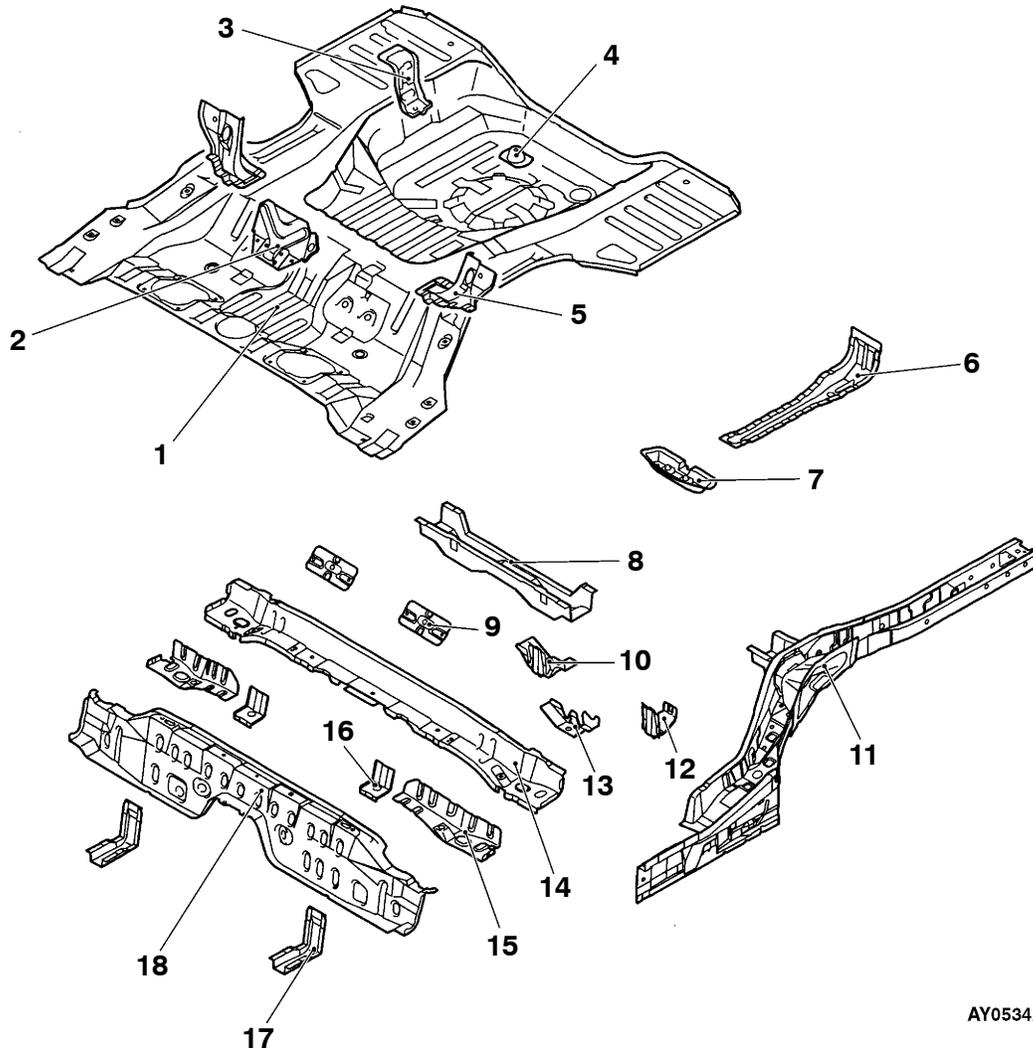
The cross section of the front floor sidemember has been made large to improve safety in collision.



A10050AV

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Installment panel center bracket reinforcement 2. Front floor crossmember front 3. Front floor crossmember rear 4. Front floor extension panel rear 5. Front floor pan 6. Front floor side sill inner 7. Front floor sidemember reinforcement rear (LHD, Left side) | <ol style="list-style-type: none"> 8. Front floor sidemember 9. Front floor sidemember reinforcement front (LHD, Left side) 10. Front floor sidemember reinforcement 11. Backbone crossmember rear 12. Backbone crossmember front 13. Backbone reinforcement |
|--|--|

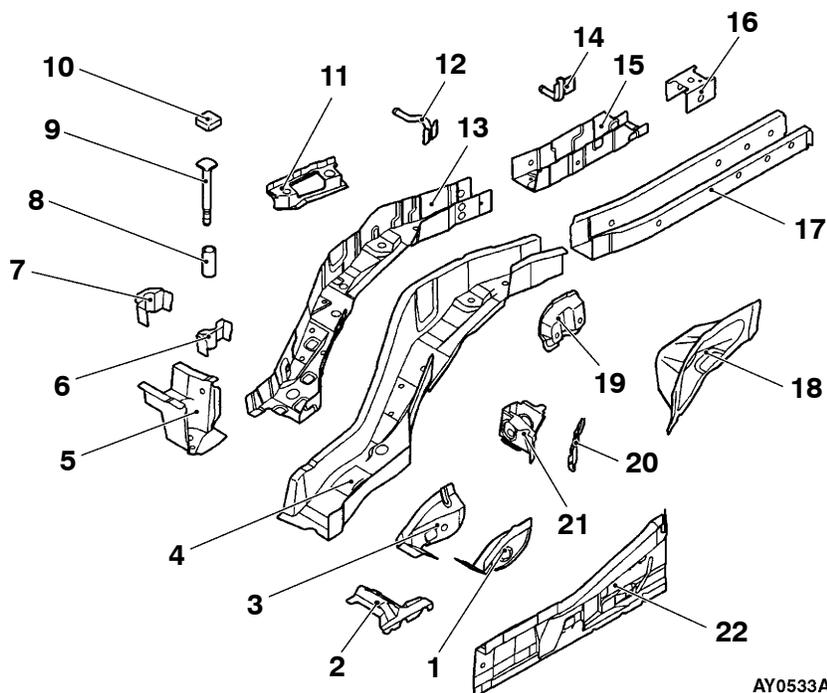
Rear Floor



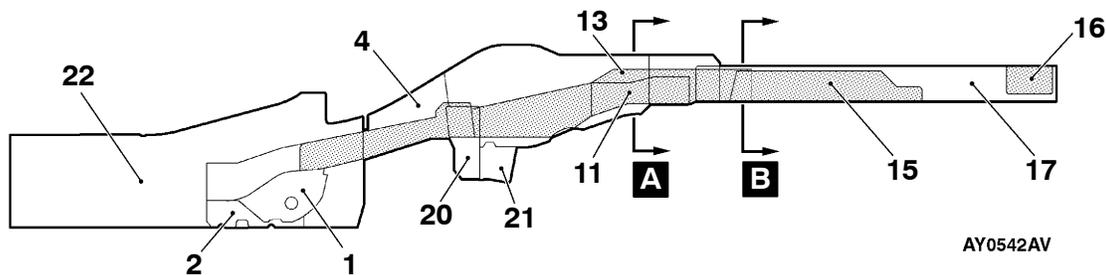
AY0534AV

- | | |
|---|--|
| 1. Rear floor pan | 11. Rear floor sidemember |
| 2. Seat back plate extension | 12. Fuel tank rear bracket (Vehicles with AYC) |
| 3. Jack bracket | 13. Differential/fuel support bracket front (Vehicles with mechanical LSD) |
| 4. Spare tire bracket | 14. Rear seat crossmember |
| 5. Rear seat back reinforcement | 15. Seat crossmember reinforcement |
| 6. Towing hook reinforcement | 16. Fuel tank front reinforcement |
| 7. Crossmember center support | 17. Front floor sidemember extension |
| 8. Rear floor crossmember | 18. Rear floor extension |
| 9. Rear floor seatbelt reinforcement | |
| 10. Differential/fuel support bracket rear (Vehicles with mechanical LSD) | |

Rear Floor Sidemember Reinforcement

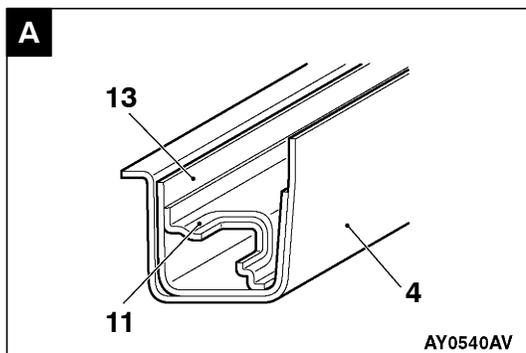


AY0533AV

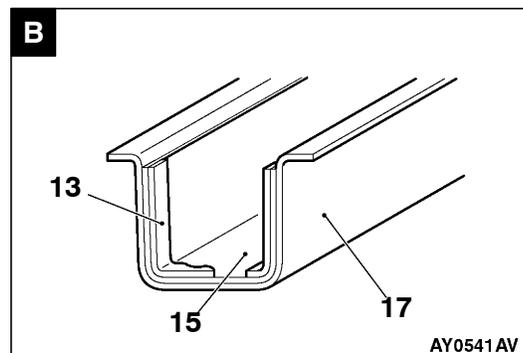


AY0542AV

- | | |
|-------------------------------------|---|
| 1. Trailing arm outer bracket | 22. Muffler hanger center |
| 2. Rear floor sidemember support | 13. Rear floor sidemember reinforcement front |
| 3. Trailing arm inner bracket | 14. Muffler hanger rear |
| 4. Rear floor sidemember | 15. Rear floor sidemember reinforcement rear |
| 5. Rear floor crossmember extension | 16. Bumper stay reinforcement (RS) |
| 6. Differential mount bulkhead | 17. Rear floor sidemember extension |
| 7. Differential mount reinforcement | 18. Rear floor sidemember reinforcement |
| 8. Pipe | 19. Upper link bracket |
| 9. Square head bolt | 20. Toe-control link side reinforcement |
| 10. Retainer | 21. Toe-control link bracket |
| 11. Rear suspension bracket | 22. Rear floor side sill |



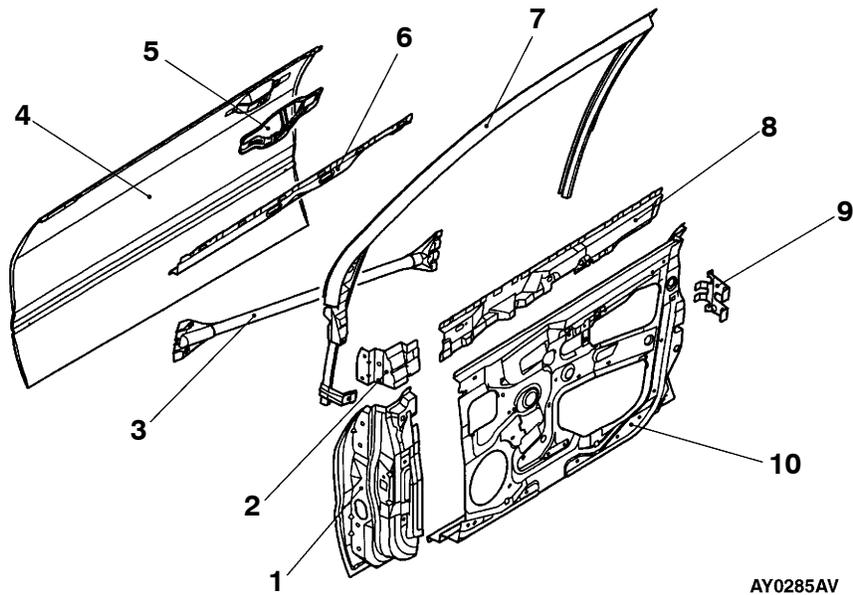
AY0540AV



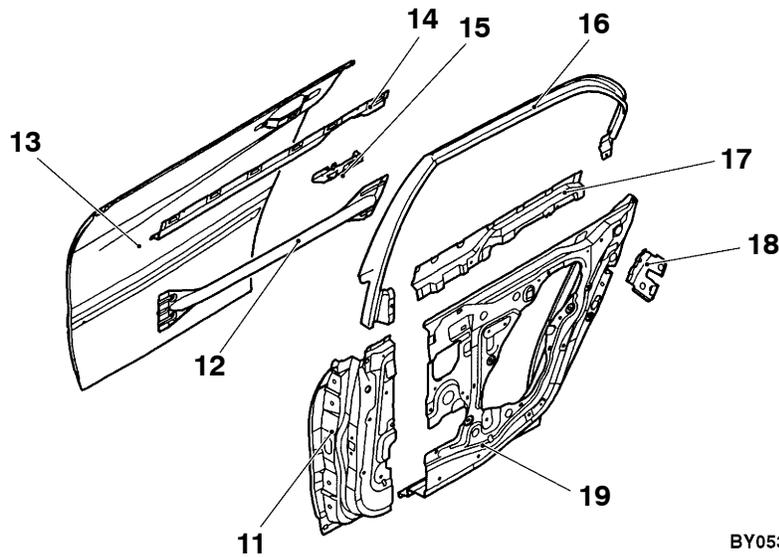
AY0541AV

DOOR

The front and back of the side door beam has been made large to cope with the force from the front and sides during collision.

Front door

AY0285AV

Rear door

BY0531AV

1. Front door hinge panel
2. Front door hinge reinforcement upper
3. Front door side door beam
4. Front door outer panel
5. Front door outside handle reinforcement
6. Front door beltline reinforcement outer
7. Front door window sash
8. Front door beltline reinforcement inner
9. Front door latch reinforcement
10. Front door inner panel

11. Rear door hinge panel
12. Rear door side door beam upper
13. Rear door outer panel
14. Rear door beltline reinforcement outer
15. Rear door beltline bracket
16. Rear door window sash
17. Rear door beltline reinforcement inner
18. Rear door latch reinforcement
19. Rear door inner panel

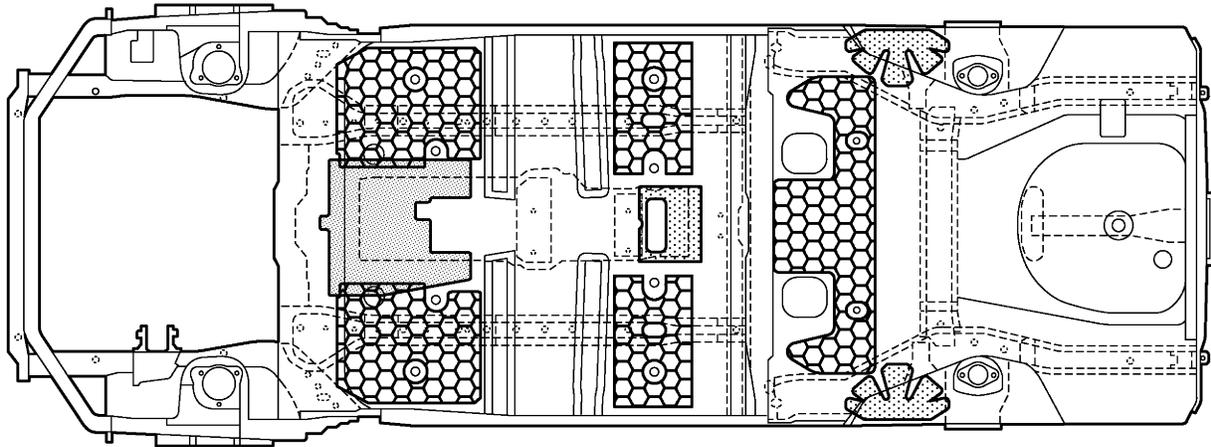
SILENCER APPLICATION LOCATIONS

Silencers (MD-12 and melting sheets) are attached to the top of the floor to reduce vibration and insulate against the heat from exhaust gas.

NOTE

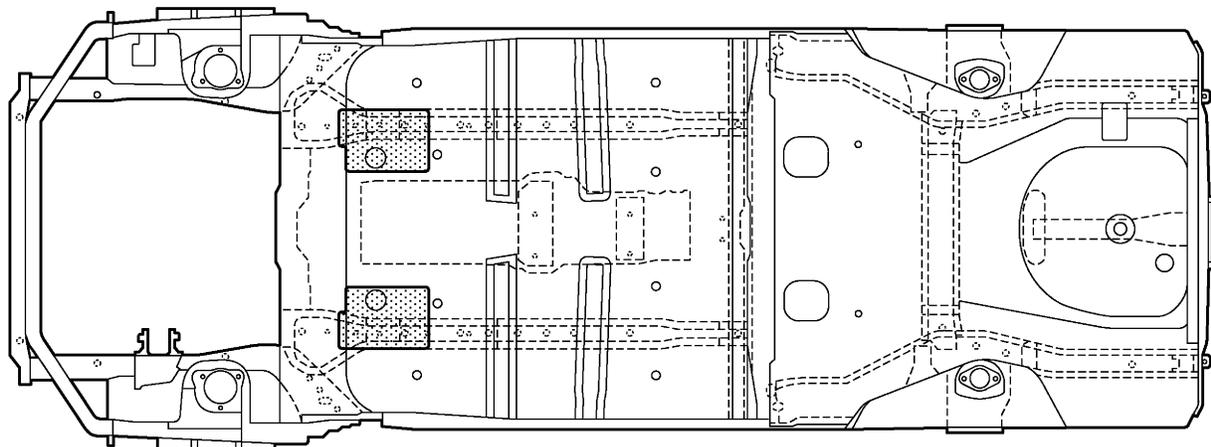
MD-12 is a high performance sheet composed of asphalt applied with mica and thermosetting resin for improving anti-vibration performance.

<RS-II>



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-  : 1.6 mm thick melting sheet
-  : 3.2 mm thick melting sheet (Place two 1.6 mm melting sheets one on top of another.)
-  : 4.0 mm thick MD-12 (Place three 1.6 mm melting sheets one on top of another.)

NOTE

The number in the parentheses indicates the number of melting sheet used for repair.

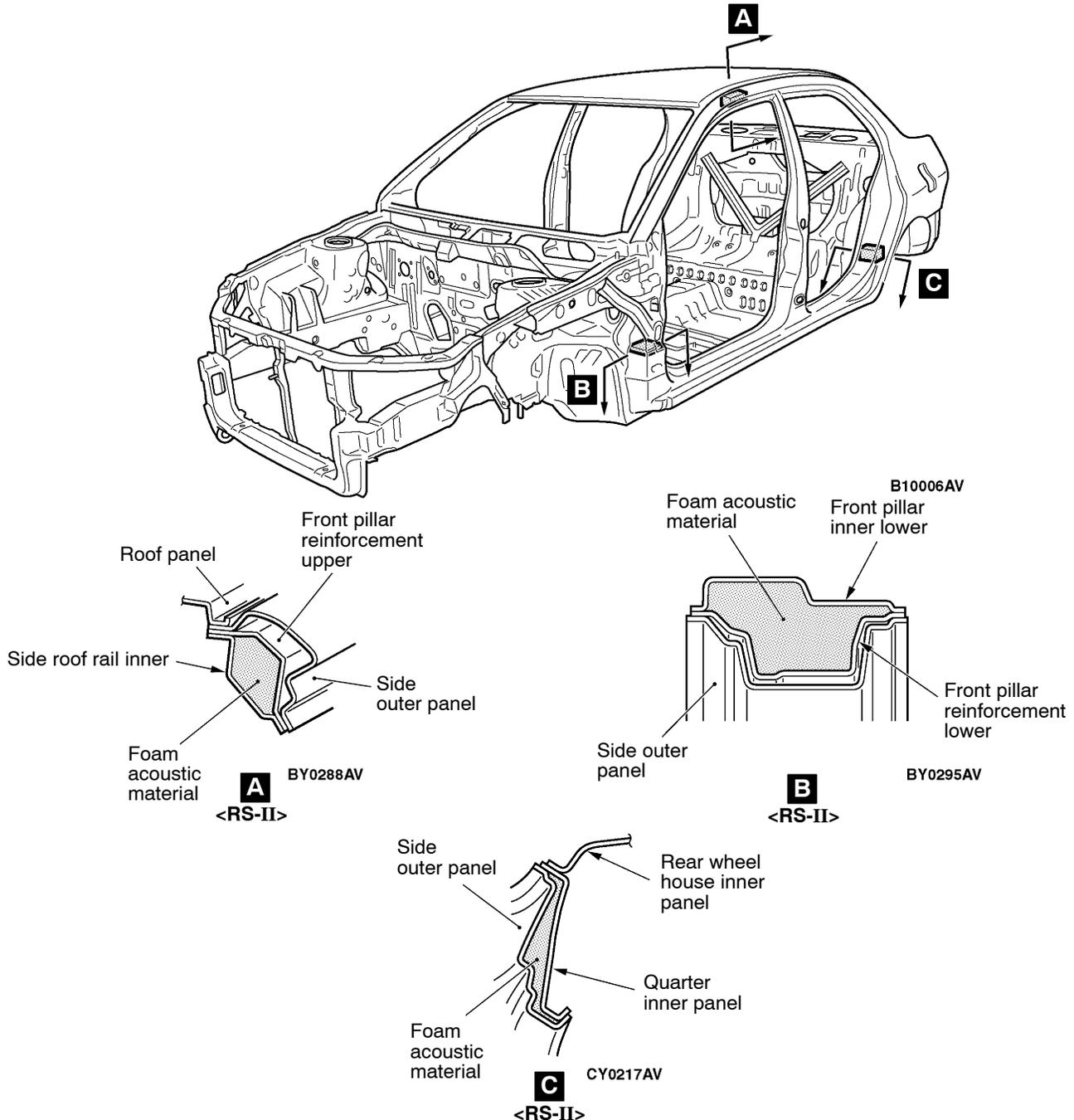
LOCATIONS USING URETHANE FOAM AND FOAM MATERIAL

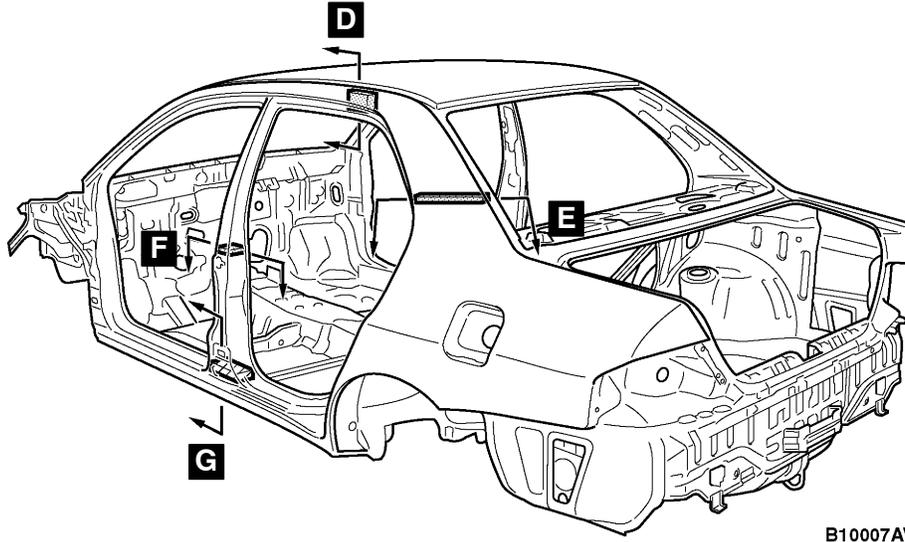
1. Urethane foam is inserted into the center pillar to prevent the penetration of noise.
2. By filling the top of the front pillar, bottom of the front pillar, center pillar, side roof rail, rear pillar and inside the wheel house arch with foam acoustic material, penetration of noise is prevented.

Precautions on performing work involving sheet metal at locations using foam material

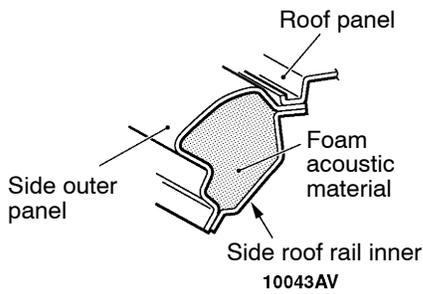
As foam may burn when heated, observe the following precautions.

1. Do not perform heating work using gas burners at locations using foam material.
2. When cutting locations using foam material, use tools (air saw, etc.) which do not generate heat.
3. If leftover foam material is present at the area to be cut (body side), remove the foam around the area to be welded before proceeding with welding.



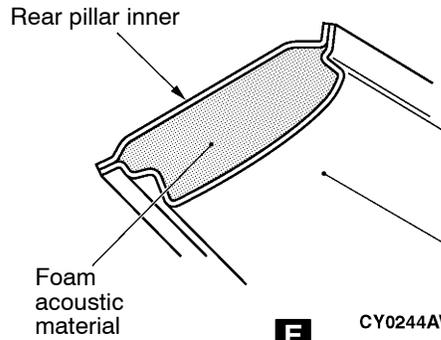


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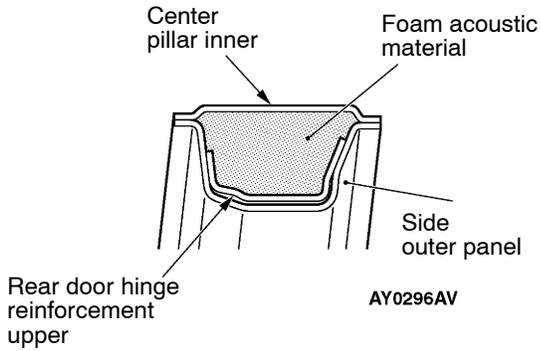
D

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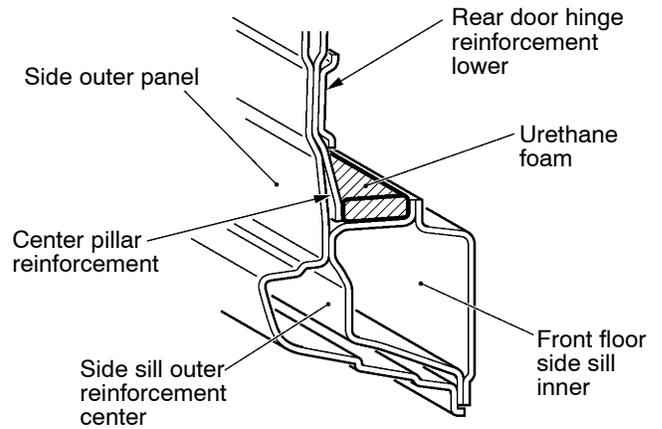
E

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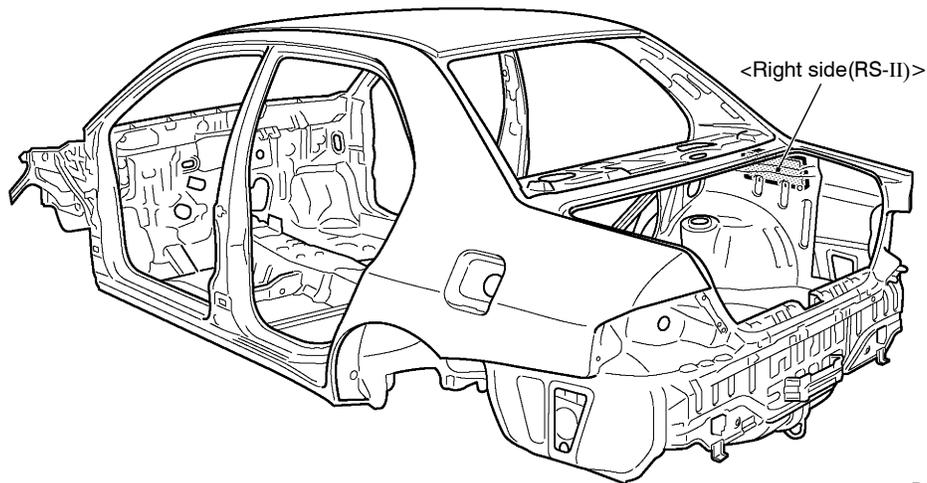
STIFFENER AND DUMP SHEET APPLICATION LOCATIONS

Stiffener is pasted to the inside of the side outer panel, and dump sheets are pasted on the inside of the front doors to increase surface rigidity, thus improving soundproof qualities with the anti-vibration effects.

NOTE

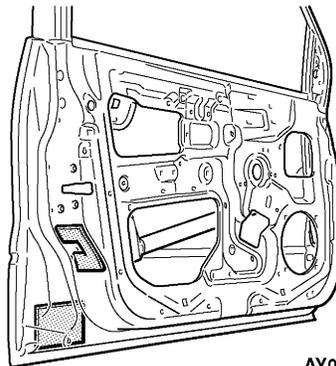
The stiffener comes in sheet form and is composed mainly of epoxy resin, glass fibers, and fillers. It hardens when heated. It is used to improve the rigidity of outer panels.

Stiffener



B10044AV

Dump sheet



AY0299AV