

GROUP 3

WELDED PANEL REPLACEMENT

CONTENTS

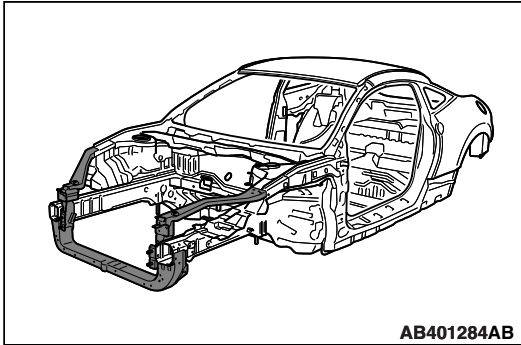
HEADLIGHT SUPPORT	3-3	QUARTER OUTER <ECLIPSE>.....	3-42
FENDER SHIELD <ECLIPSE>	3-4	QUARTER OUTER <ECLIPSE SPYDER>.....	3-44
FENDER SHIELD <ECLIPSE SPYDER>	3-10	REAR END PANEL <ECLIPSE>	3-48
FRONT SIDEMEMBER (PARTIAL REPLACEMENT)	3-16	REAR END PANEL <ECLIPSE SPYDER>.....	3-50
FRONT PILLAR <ECLIPSE>.....	3-18	REAR FLOOR <ECLIPSE>	3-52
FRONT PILLAR <ECLIPSE SPYDER>	3-22	REAR FLOOR <ECLIPSE SPYDER>.....	3-54
FRONT PILLAR (PARTIAL REPLACEMENT) <ECLIPSE>	3-28	ROOF <ECLIPSE>	3-56
FRONT PILLAR (PARTIAL REPLACEMENT) <ECLIPSE SPYDER>	3-32	ROOF<ECLIPSE SPYDER>.....	3-58
SIDE SILL <ECLIPSE>	3-38	CENTER PILLAR REINFORCEMENT <ECLIPSE>.....	3-60
SIDE SILL <ECLIPSE SPYDER> ...	3-40	CENTER PILLAR REINFORCEMENT <ECLIPSE SPYDER>.....	3-64

Continued on next page

QUARTER INNER <ECLIPSE>	3-68	FRONT DOOR OUTER PANEL (WELDED TYPE)	3-78
QUARTER INNER <ECLIPSE SPYDER>	3-72	FRONT DOOR OUTER PANEL (ADHESION TYPE).	3-79
QUARTER INNER LOWER <ECLIPSE>	3-75	FRONT FENDER <ECLIPSE>	3-80
QUARTER INNER LOWER <ECLIPSE SPYDER>	3-76	FRONT FENDER <ECLIPSE SPYDER>.	3-81

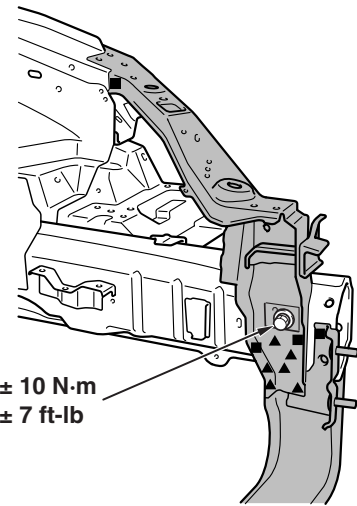
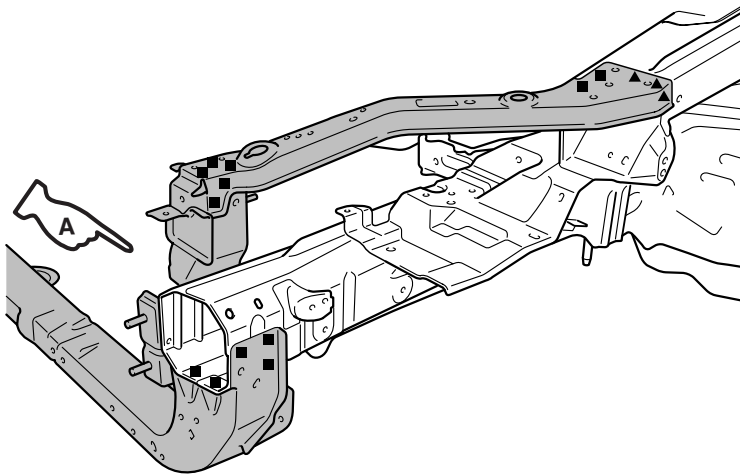
HEADLIGHT SUPPORT

M4030003000467



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



A

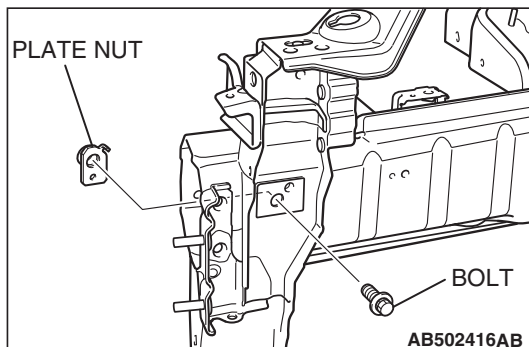
AB502420AB

NOTE ON REPAIR WORK

INSTALLATION

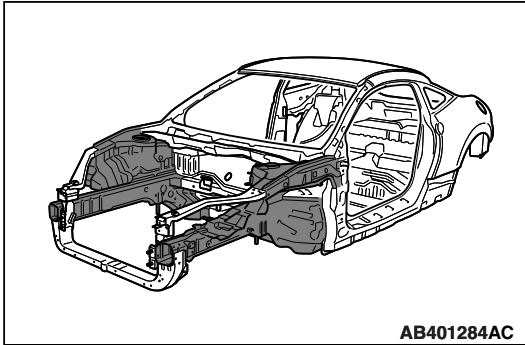
Install the headlight support panel (RH), and then install the plate nut.


Plate nut mounting bolt tightening torque: 80 ± 10 N·m (59 ± 7 ft-lb)



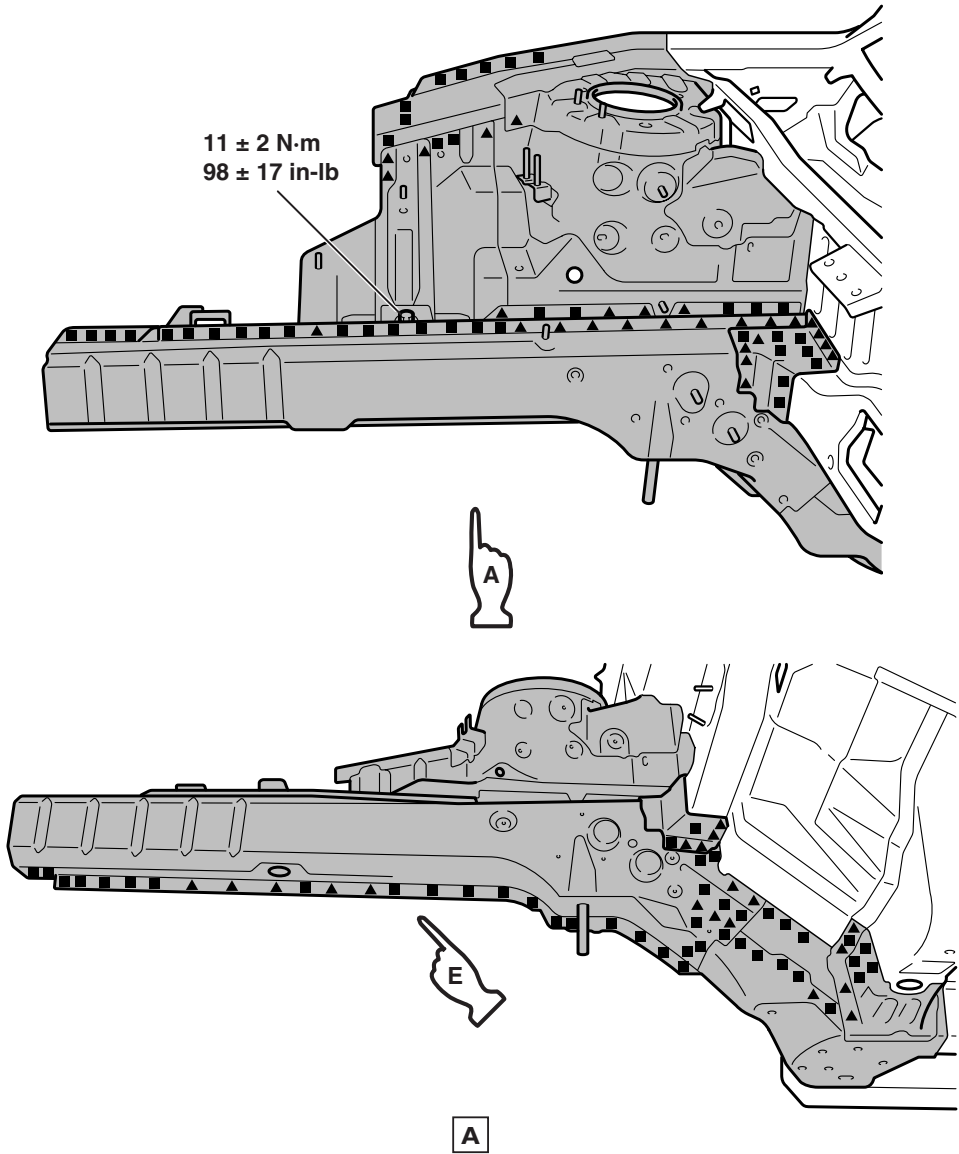
FENDER SHIELD <ECLIPSE>

M4030004000608



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

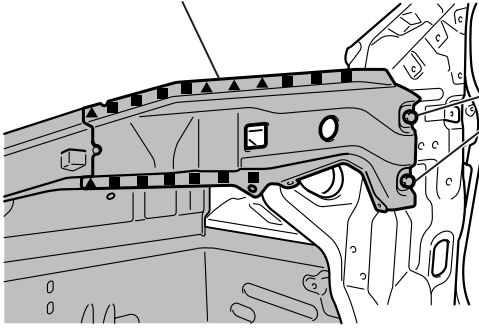
REPAIR WELDS



AB401076AB

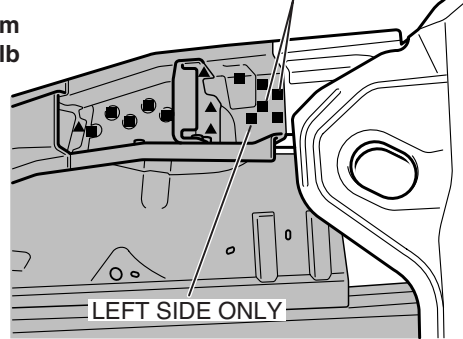
NOTE: Refer to the Headlight Support section on P.3-3 for the welding point with headlight support.

UPPER FRAME OUTER EXTENSION



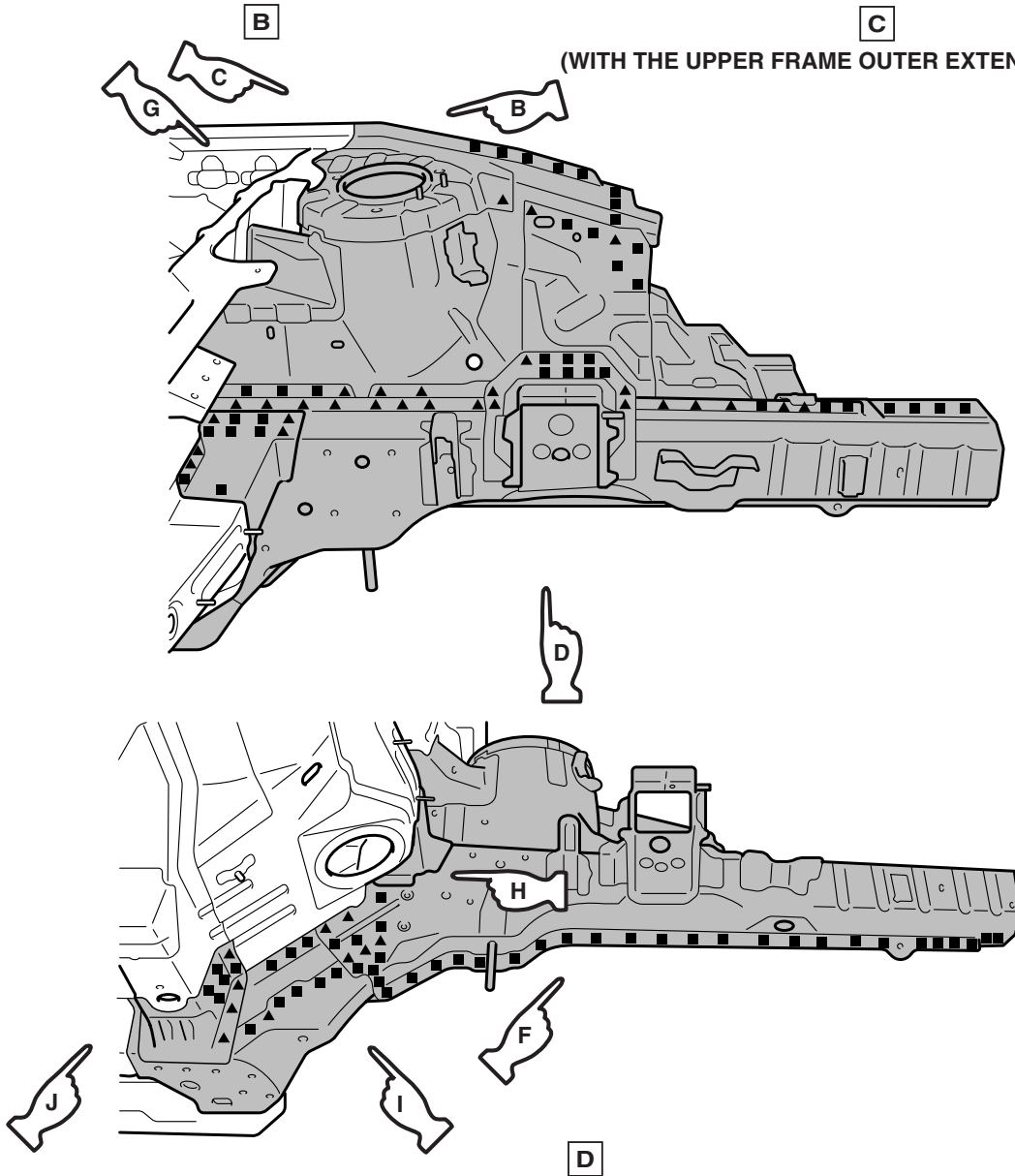
23 ± 4 N·m
 17 ± 3 ft·lb

RIGHT SIDE ONLY

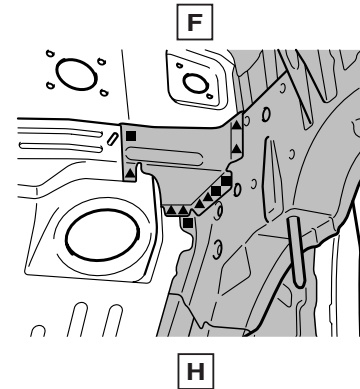
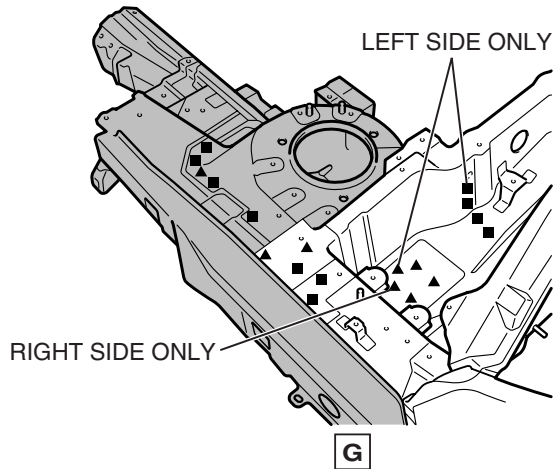
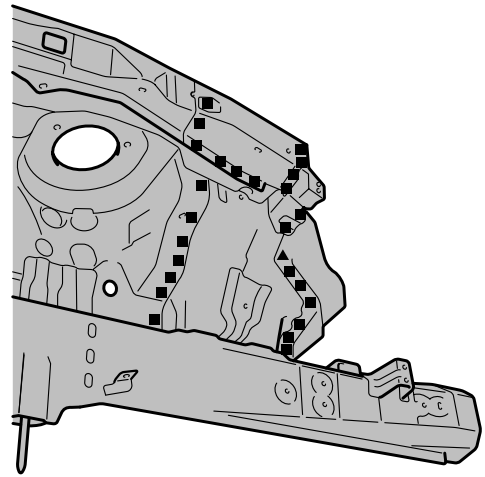
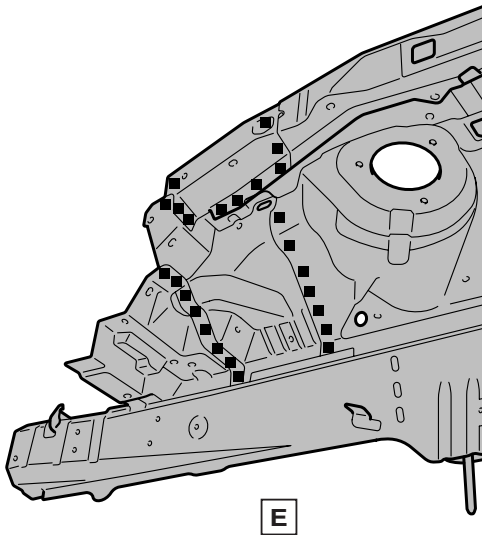


LEFT SIDE ONLY

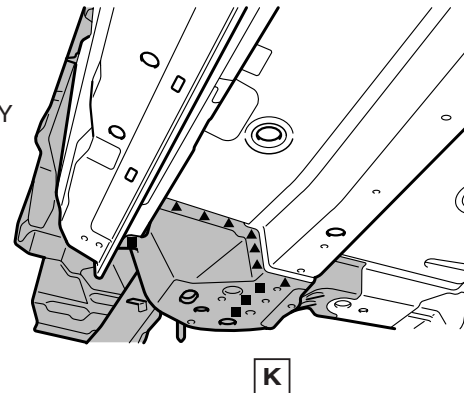
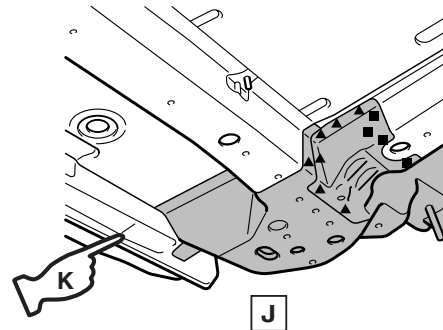
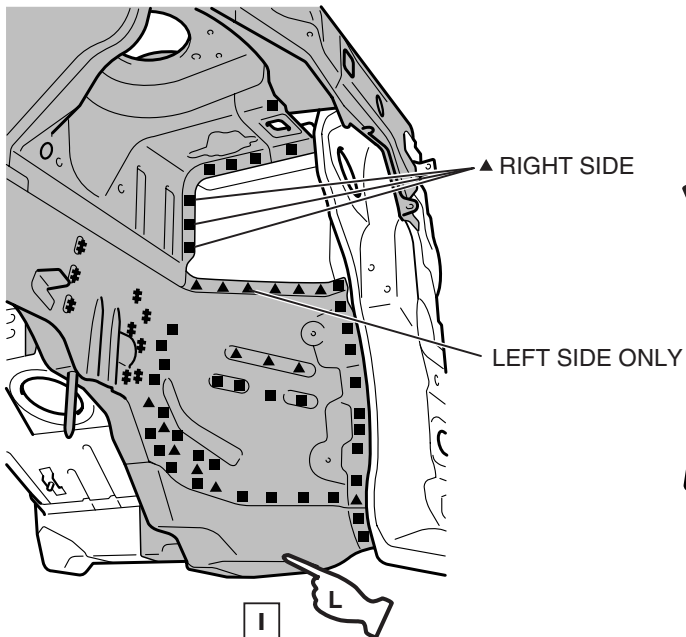
(WITH THE UPPER FRAME OUTER EXTENSION REMOVED)



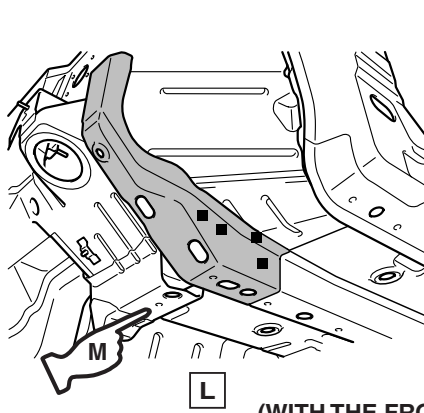
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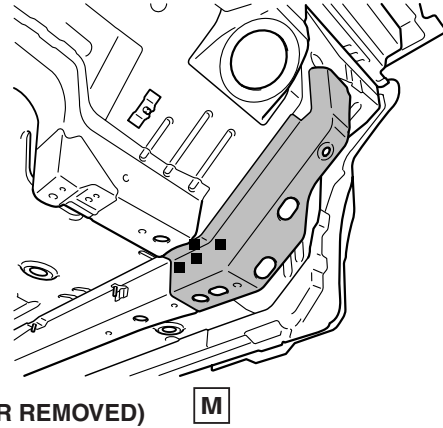
(LEFT SIDE ONLY)



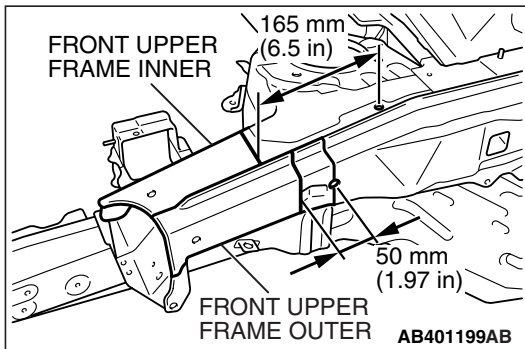
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(WITH THE FRONT SIDEMEMBER REMOVED)



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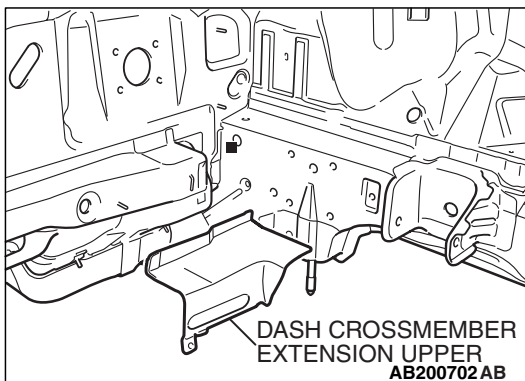


NOTE: Partial replacement of the front upper frame is possible depending on the range of damage. When performing partial replacement, cut the front upper frame outer 50 mm (1.97 inches) forward of the positioning hole center, and cut the front upper frame inner 165 mm (6.5 inches) forward of the front fender mounting hole center.

NOTE ON REPAIR WORK

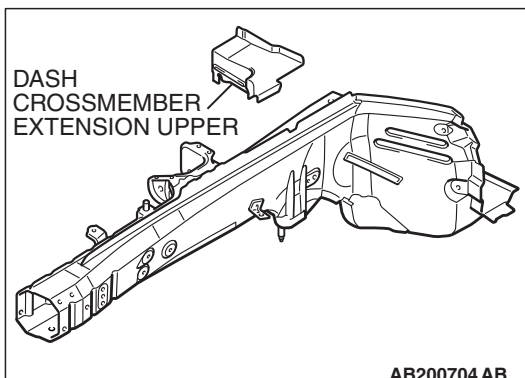
REMOVAL

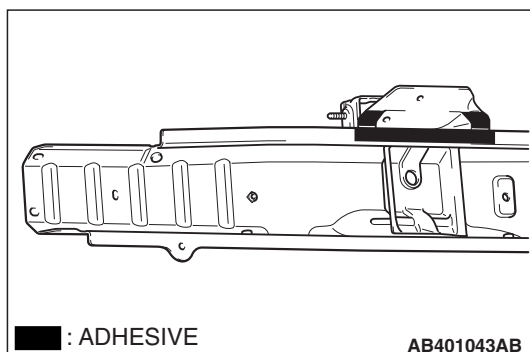
The welding point between front sidemember inner and rear A sidemember is hidden by the dash crossmember extension upper. Therefore, when removing the front sidemember, remove the dash crossmember extension upper in advance.



INSTALLATION

1. Remove the dash crossmember extension upper from the new front sidemember parts.

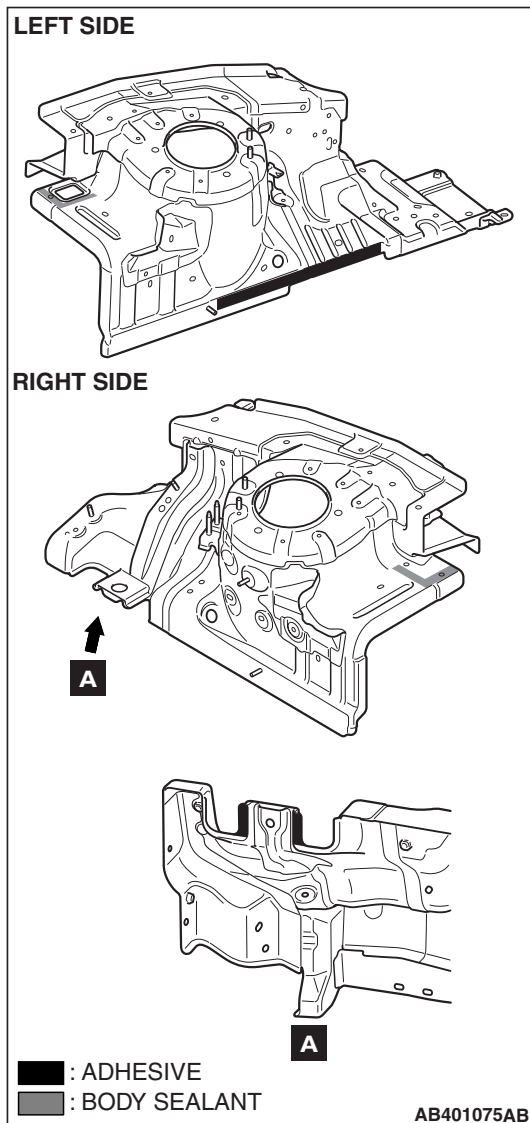




2. When assembling the new front sidemember outer (LH) parts, apply in advance adhesives to the areas shown in the figure of the instructions of body side.

ADHESIVE: Epoxyayresin adhesive

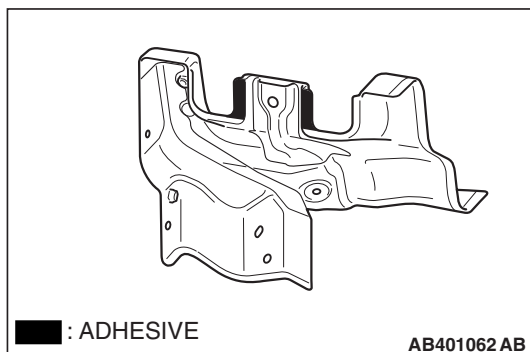
BRAND: 3M™ AAD Part No.8115 or equivalent



3. When assembling the new front fender shield parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

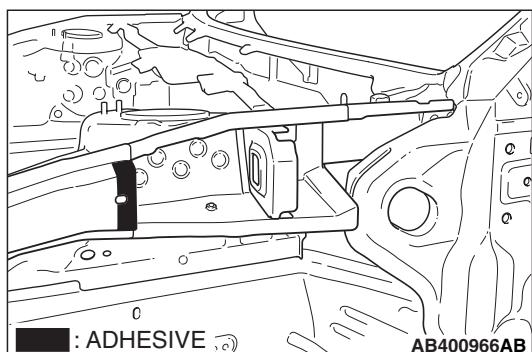
BRAND: 3M™ AAD Part No.8115 or equivalent



4. When assembling the new front fender shield front (RH) parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



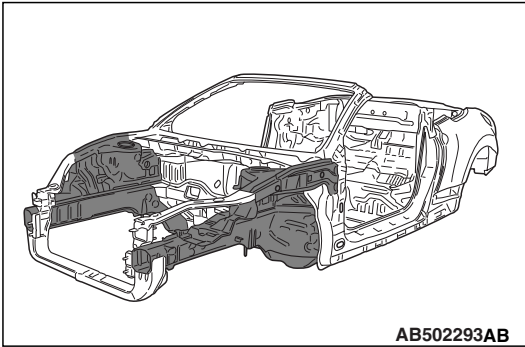
5. When assembling the new upper frame outer extension parts, apply in advance adhesives to the areas shown in the figure of the instructions.


ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

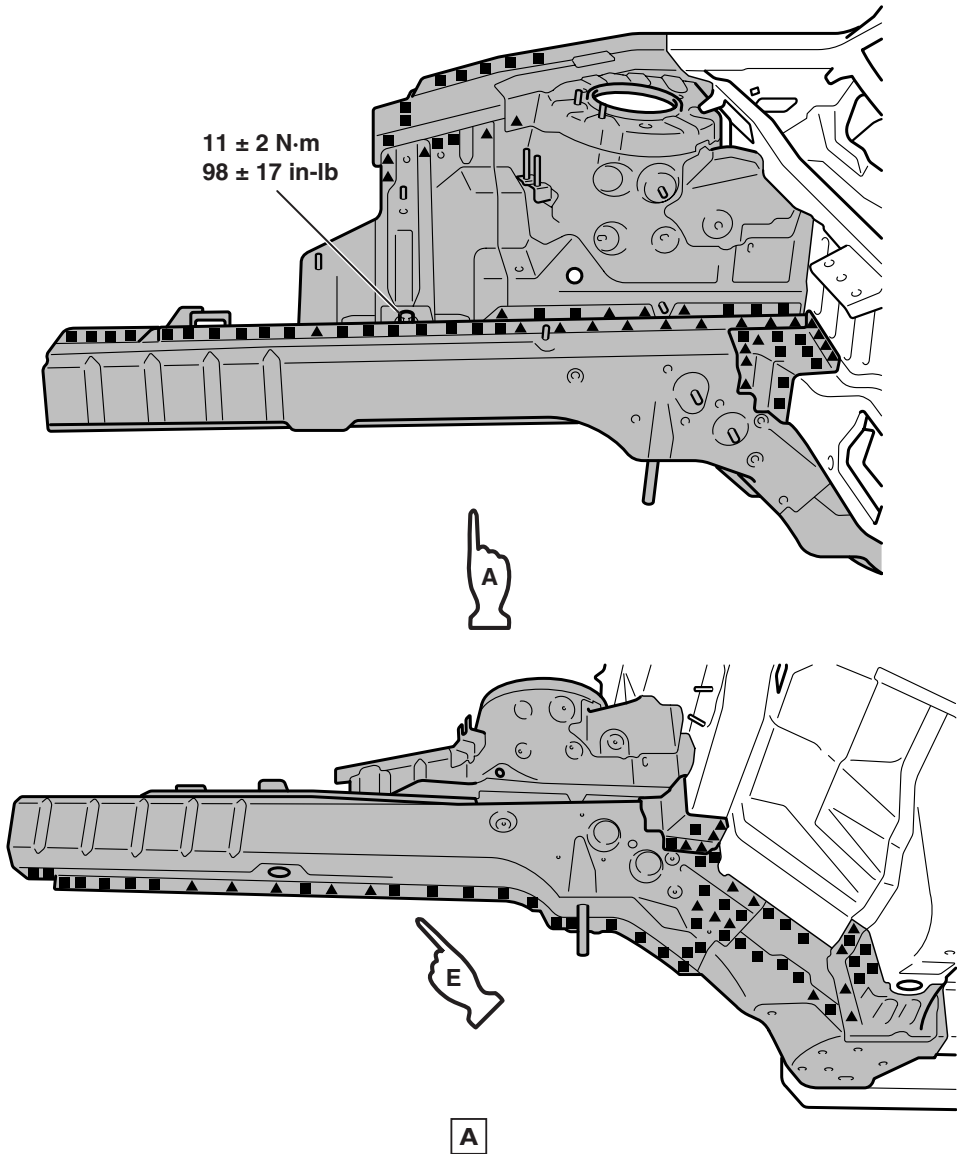
FENDER SHIELD <ECLIPSE SPYDER>

M4030004000589



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

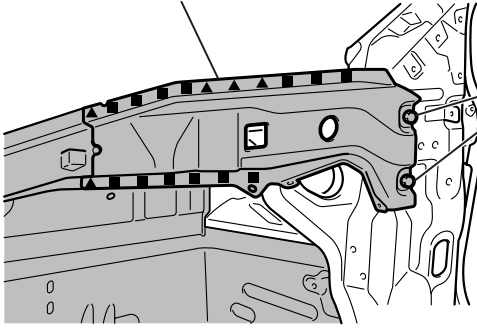
REPAIR WELDS



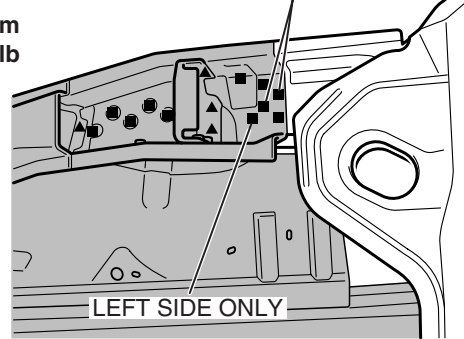
AB401076AC

NOTE: Refer to the Headlight Support section on P.3-3 for the welding point with headlight support.

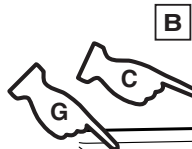
UPPER FRAME OUTER EXTENSION



RIGHT SIDE ONLY

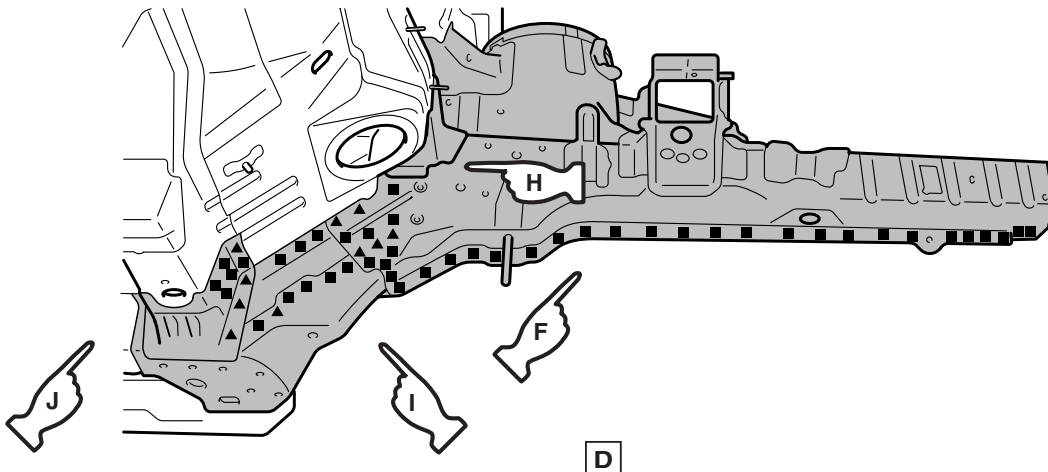
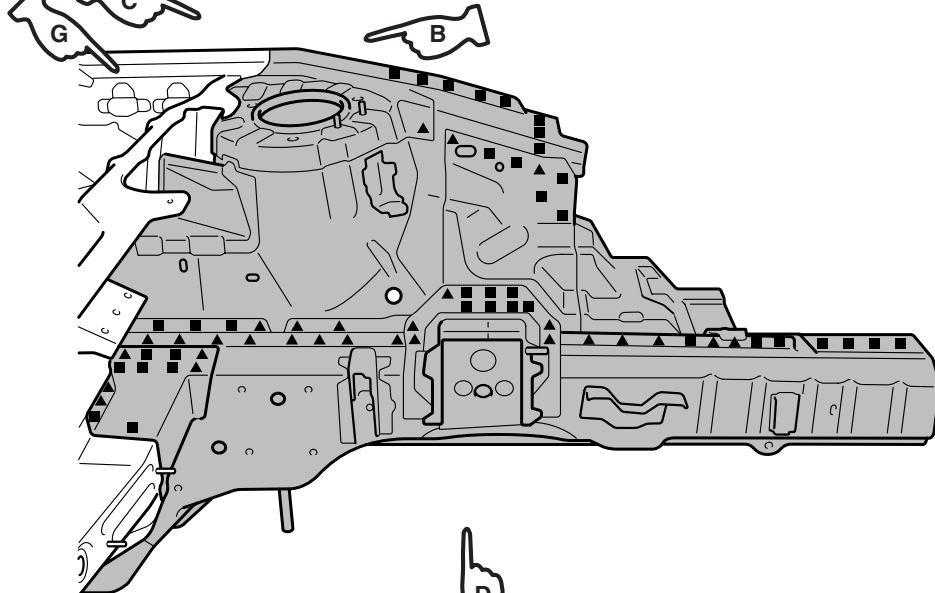


LEFT SIDE ONLY

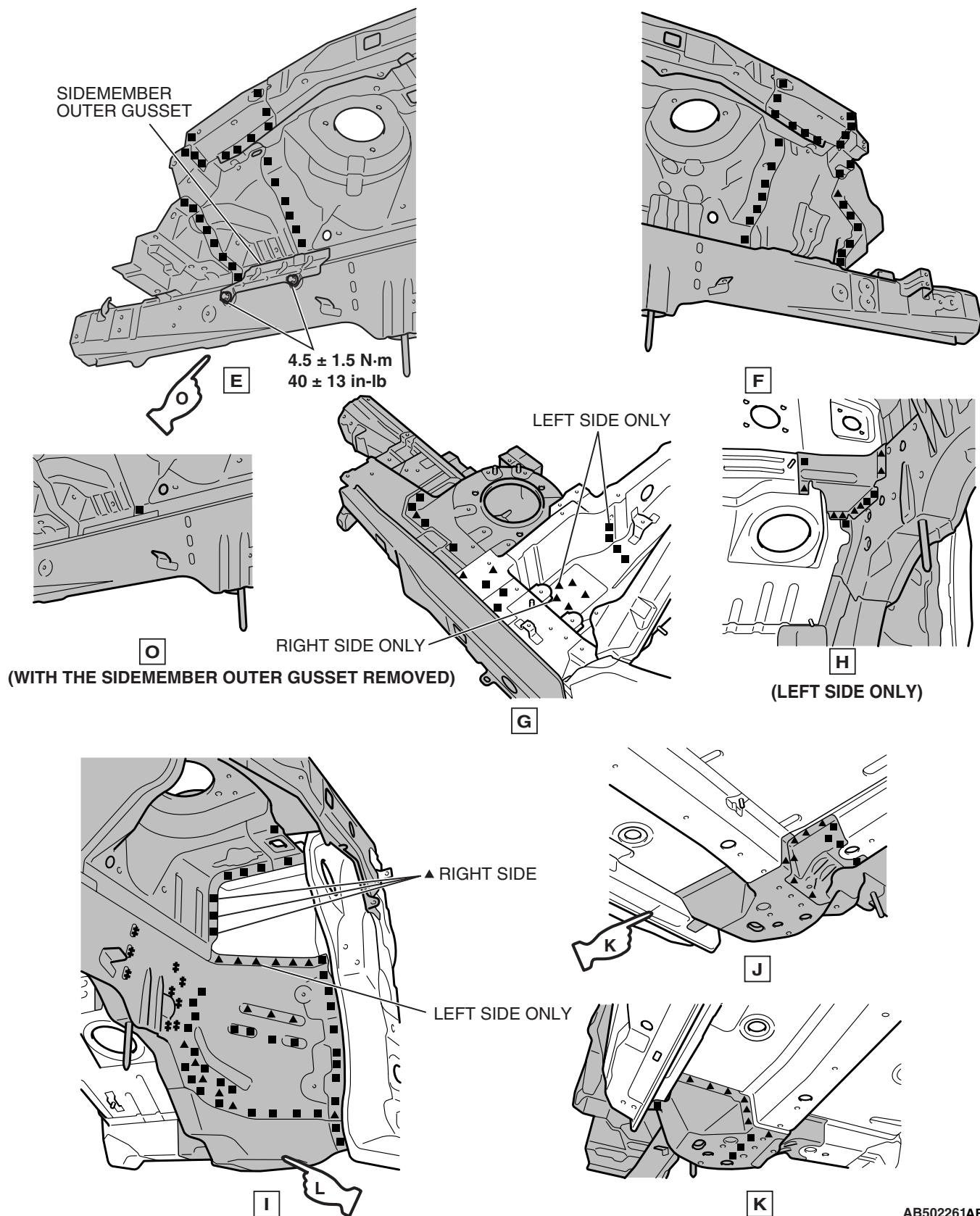


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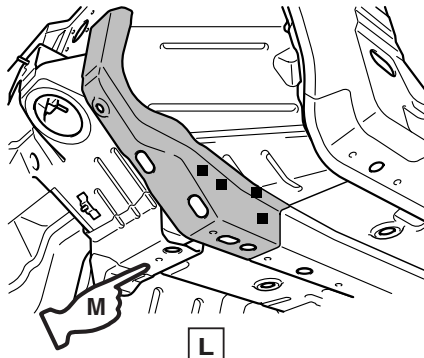
(WITH THE UPPER FRAME OUTER EXTENSION REMOVED)



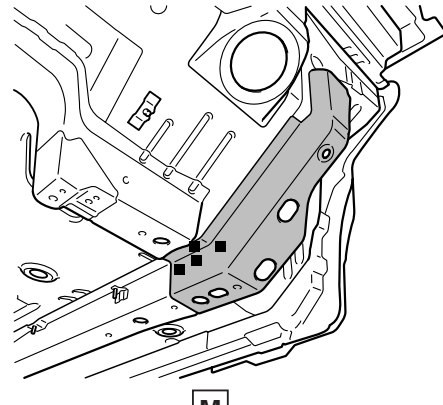
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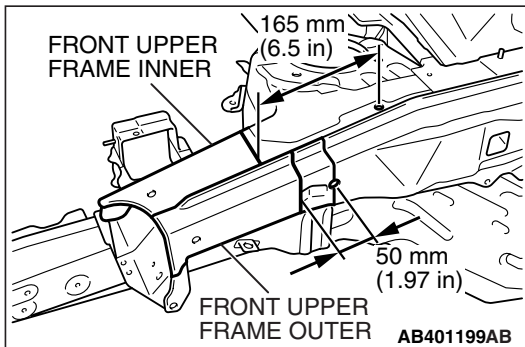
AB502261AB



(WITH THE FRONT SIDEMEMBER REMOVED)



AB401079AC

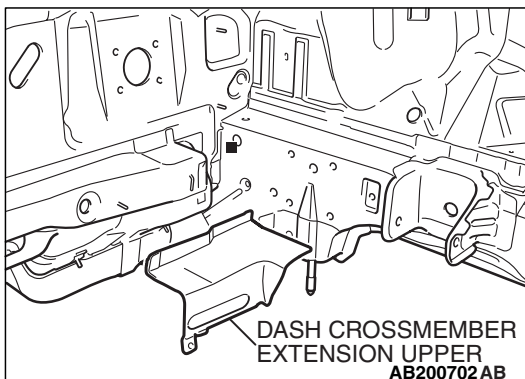


NOTE: Partial replacement of the front upper frame is possible depending on the range of damage. When performing partial replacement, cut the front upper frame outer 50 mm (1.97 inches) forward of the positioning hole center, and cut the front upper frame inner 165 mm (6.5 inches) forward of the front fender mounting hole center.

NOTE ON REPAIR WORK

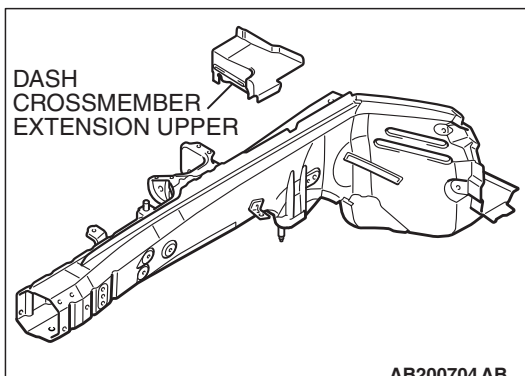
REMOVAL

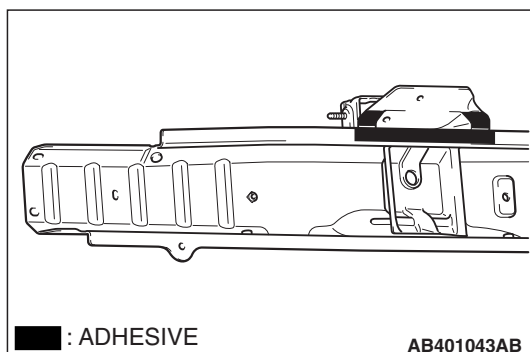
The welding point between front sidemember inner and rear A sidemember is hidden by the dash crossmember extension upper. Therefore, when removing the front sidemember, remove the dash crossmember extension upper in advance.



INSTALLATION

1. Remove the dash crossmember extension upper from the new front sidemember parts.

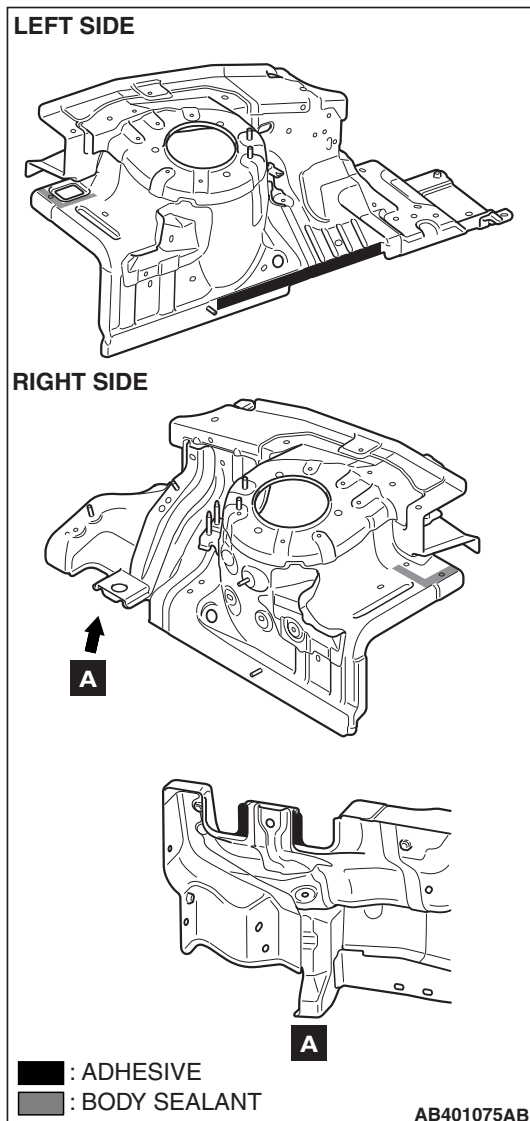




2. When assembling the new front sidemember outer (LH) parts, apply in advance adhesives to the areas shown in the figure of the instructions of body side.

ADHESIVE: Epoxyayresin adhesive

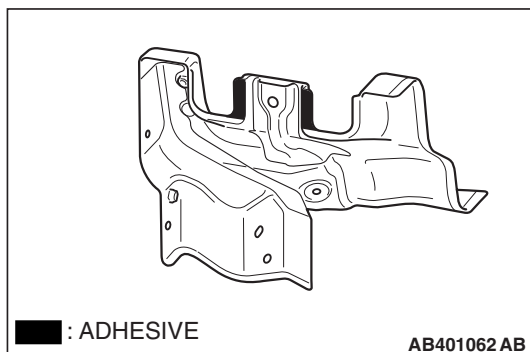
BRAND: 3M™ AAD Part No.8115 or equivalent



3. When assembling the new front fender shield parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

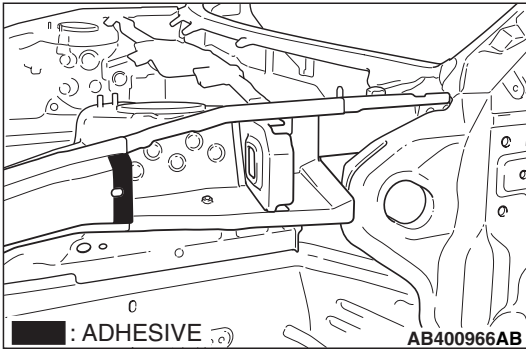
BRAND: 3M™ AAD Part No.8115 or equivalent



4. When assembling the new front fender shield front (RH) parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

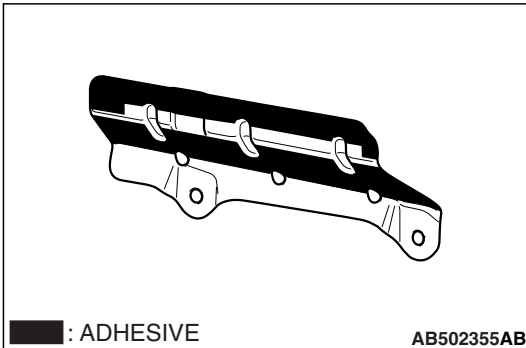
BRAND: 3M™ AAD Part No.8115 or equivalent



5. When assembling the new upper frame outer extension parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



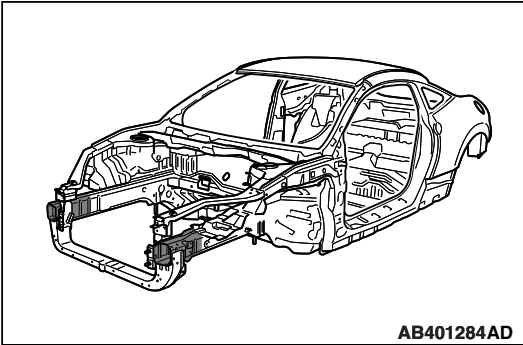
6. When assembling the new sidemember outer gusset part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

FRONT SIDEMEMBER (PARTIAL REPLACEMENT)

M4030000100409

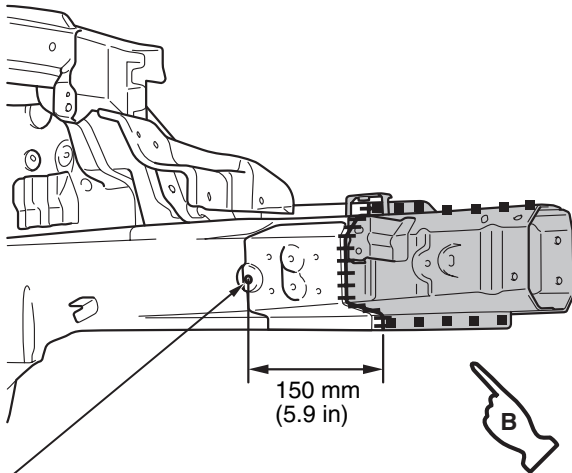
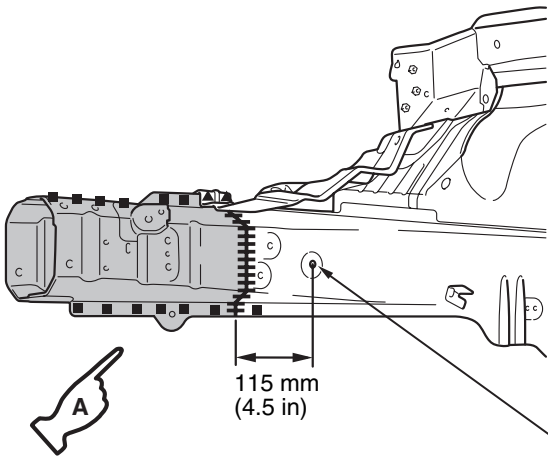


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

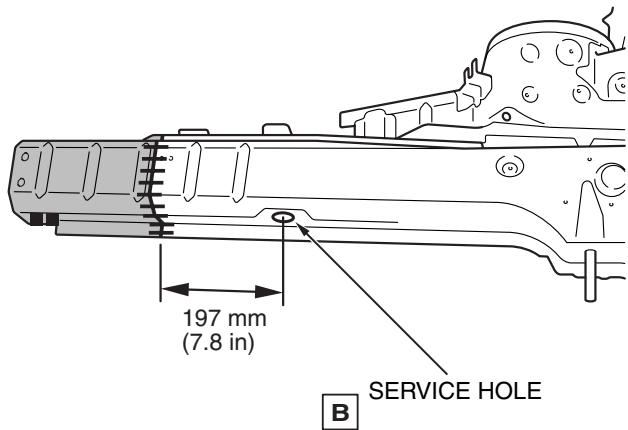
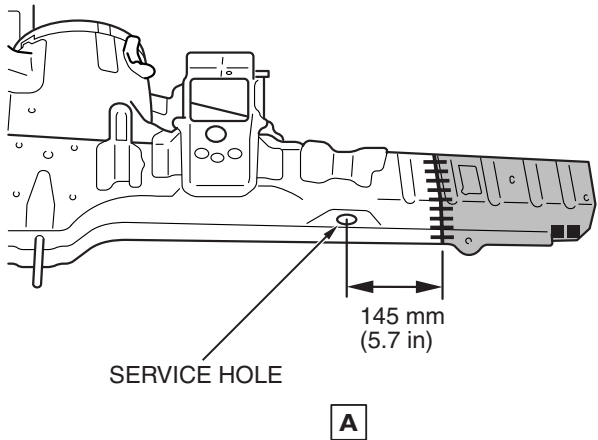
REPAIR WELDS

LEFT SIDE

RIGHT SIDE



WATER DRAINING HOLE



AB401198AB

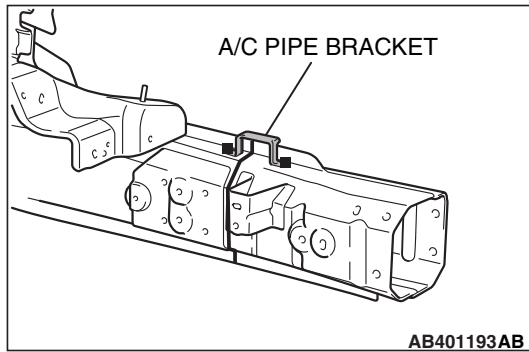
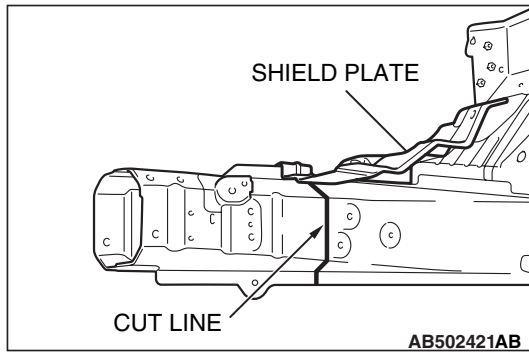
NOTE: Refer to the Headlight Support section on P.3-3 for the welding point with headlight support.

NOTE ON REPAIR WORK

REMOVAL

1. Remove the shield plate on the cut area in advance when cutting the front sidemember (LH).

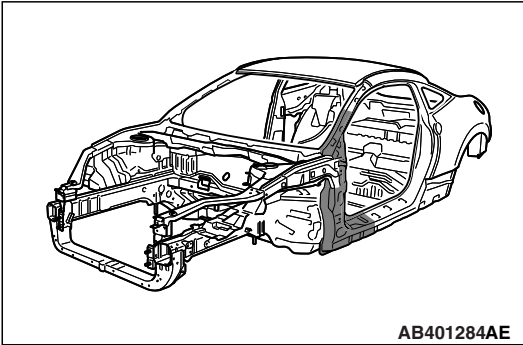
NOTE: Refer to the Fender Shield section on [P.3-4](#) <ECLIPSE> or [P.3-10](#) <ECLIPSE SPYDER> for the welding points with the shield plate.



2. Remove the A/C pipe bracket on the cut area in advance when cutting the front sidemember (RH) .

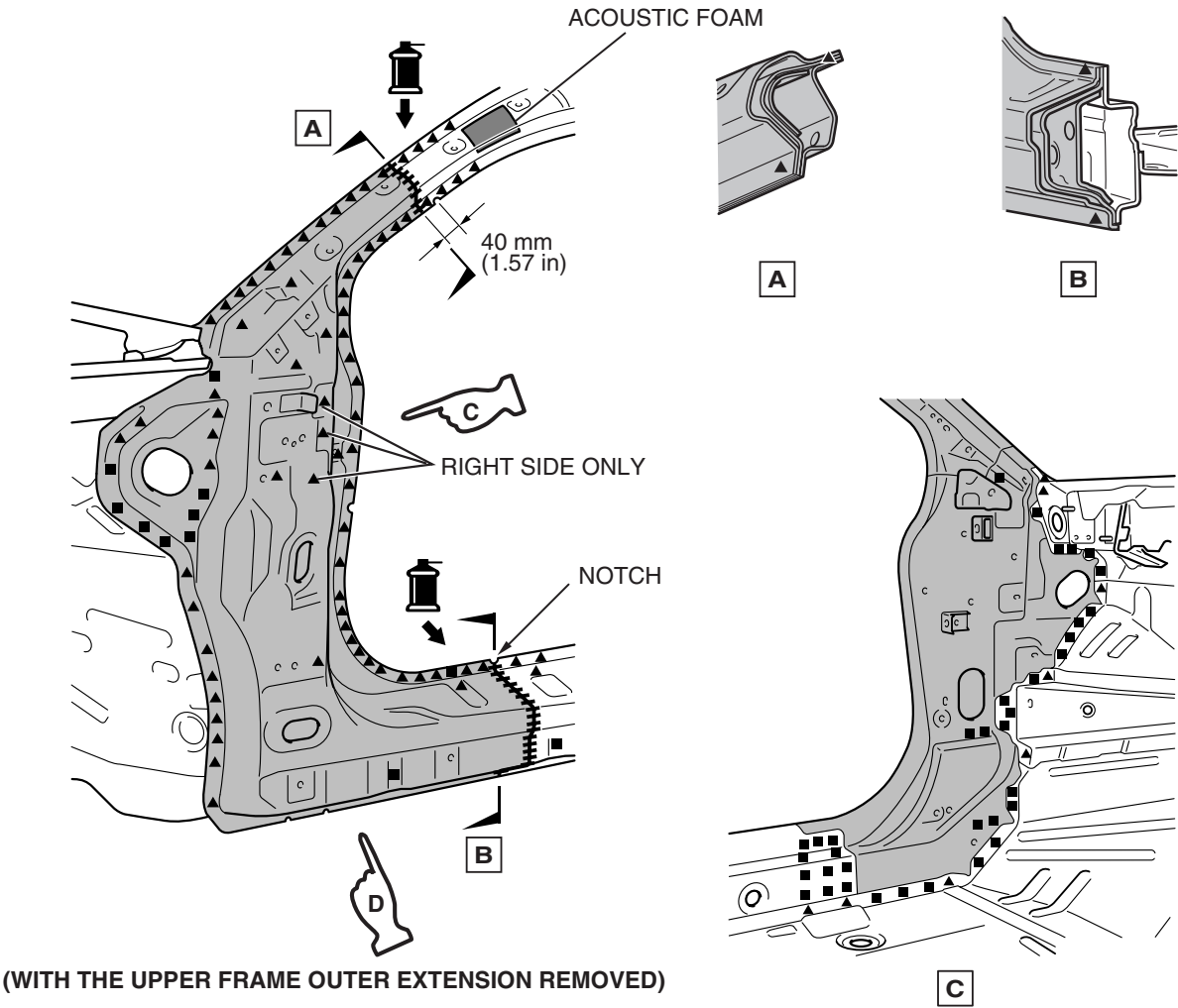
FRONT PILLAR <ECLIPSE>

M4030005000935



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

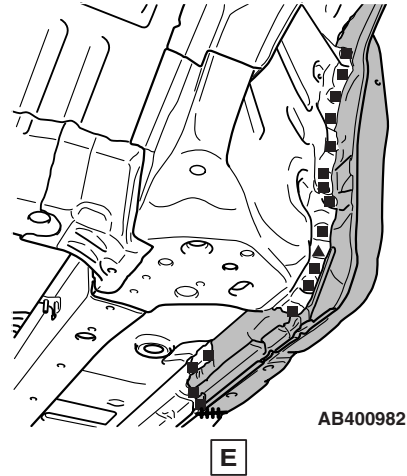
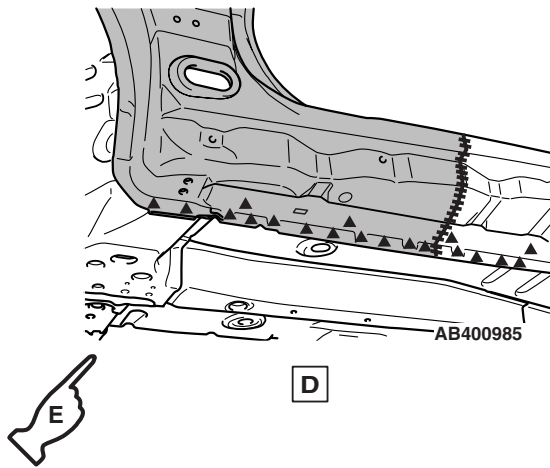
REPAIR WELDS



CAUTION

When repairing the area using foam materials do not use firing tools since the foaming materials may burn.

NOTE: Refer to the Fender Shield section on [P.3-4](#) for the welding points with the upper frame outer extension.

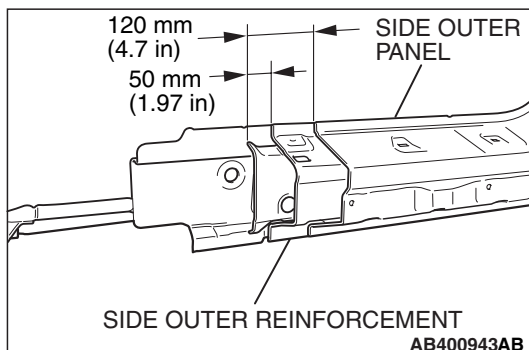
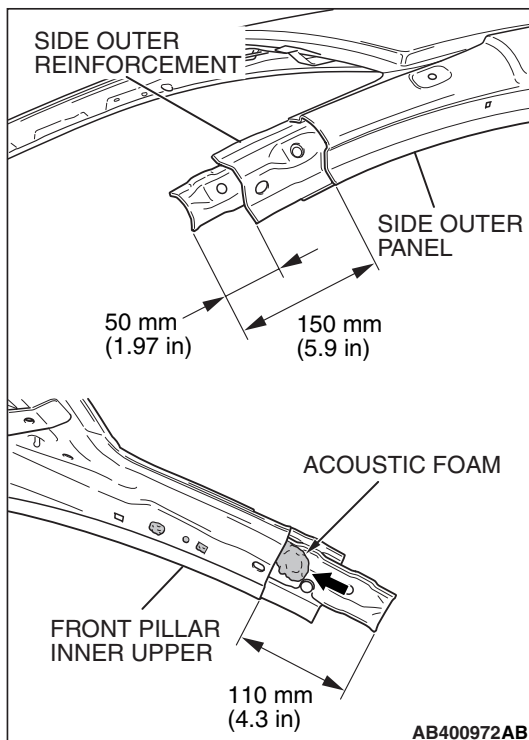


AB400976AB

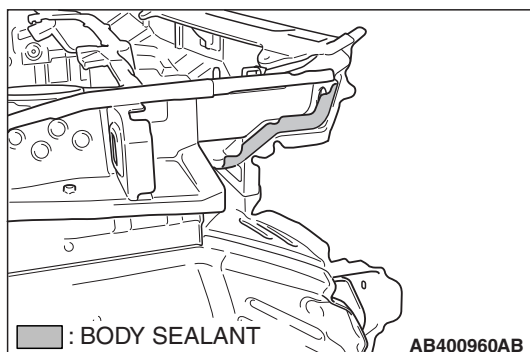
NOTE ON REPAIR WORK

INSTALLATION

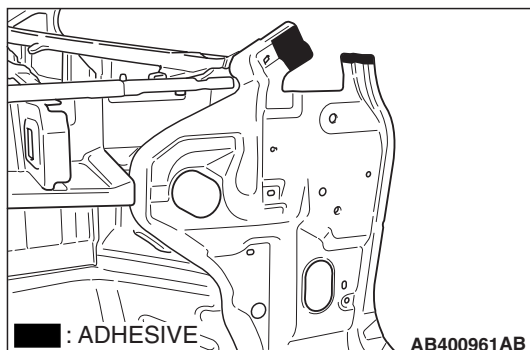
1. To reinforce the strength in the front pillar cut area, cut the side outer panel 150 mm (5.9 inches) above the cut area and cut the side outer reinforcement 50 mm (1.97 inches) above the cut area and cut the front pillar inner upper 110 mm (4.3 inches) above the cut area. The acoustic foam may sag to the cut area of the front pillar inner upper. Because the acoustic foam may burn during welding of the following operation, push it upward.



2. To reinforce the strength in the side sill cut area, cut the side outer panel 120 mm (4.7 inches) behind the cut area and cut the side outer reinforcement 50 mm (1.97 inches) behind the cut area.

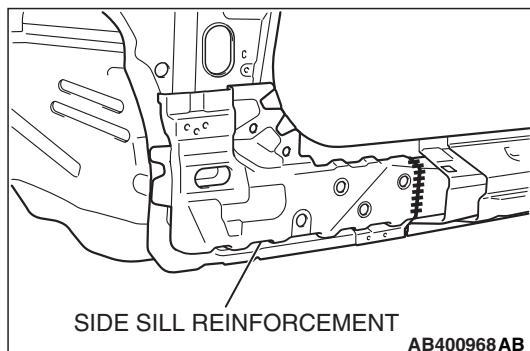


- When assembling the new front pillar inner lower parts, apply in advance body sealant to the areas shown in the figure of the instructions.

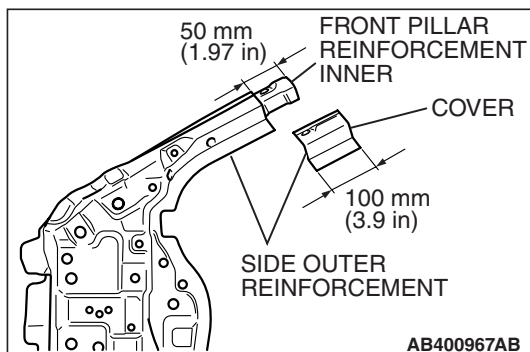


- When assembling the new front pillar inner upper parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



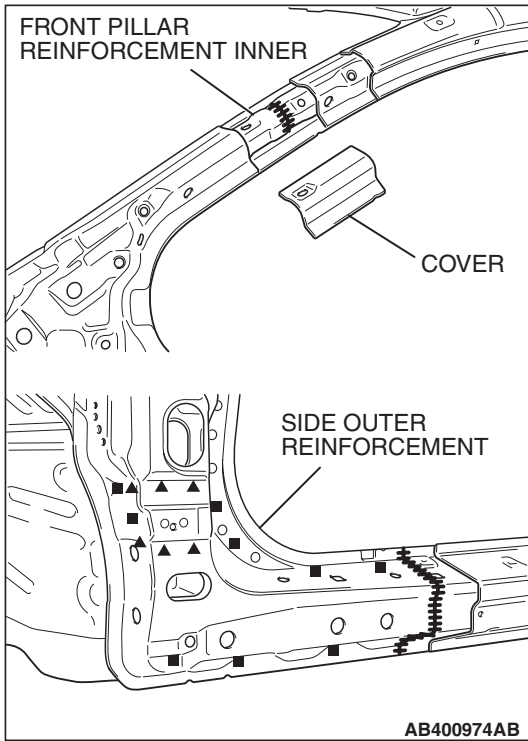
- Assemble the new side sill reinforcement parts.



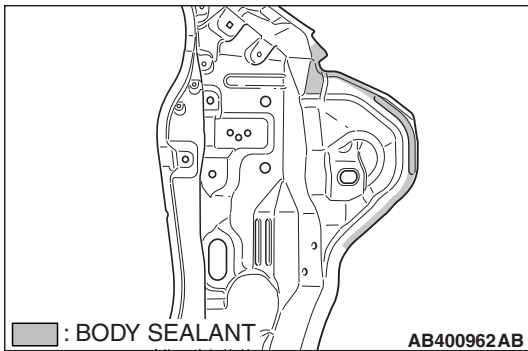
⚠ CAUTION

Weld and repair if the front pillar reinforcement inner is damaged.

- Cut the new side outer reinforcement parts by aligning it with the side outer reinforcement cut area on the body side. Then, cut only the side outer reinforcement 100 mm (3.9 inches) below the cut area and make a cover. Cut the front pillar reinforcement inner 50 mm (1.97 inches) above the cut area of the side outer reinforcement.



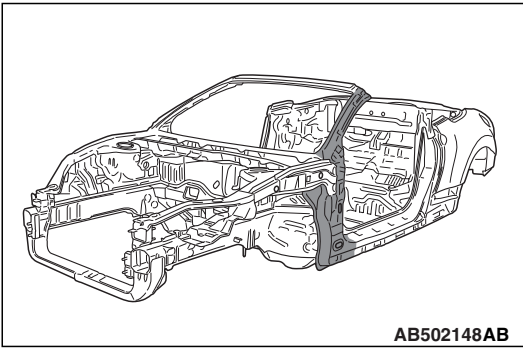
7. Weld the front pillar reinforcement inner then weld the cover and the side outer reinforcement.



8. When assembling the new front outer pillar parts, apply in advance body sealant to the areas shown in the figure of the instructions.

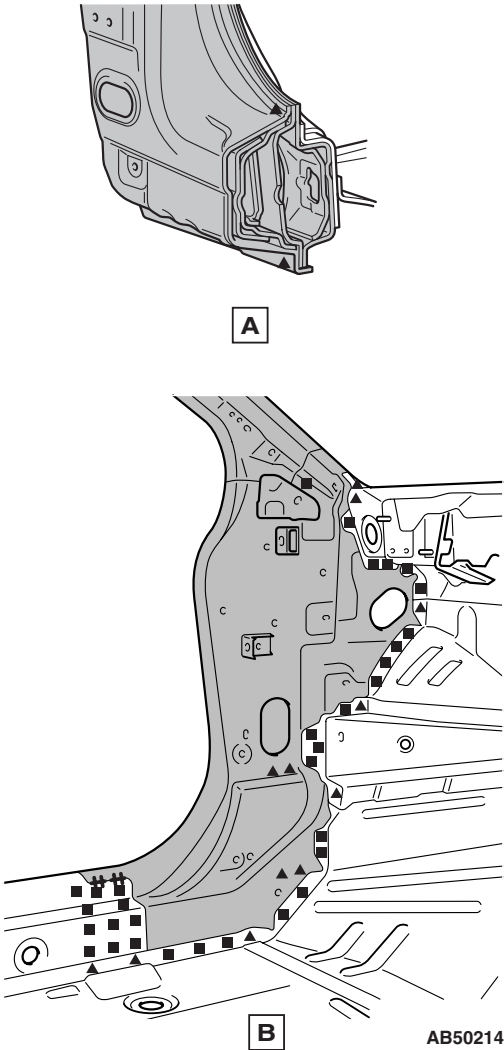
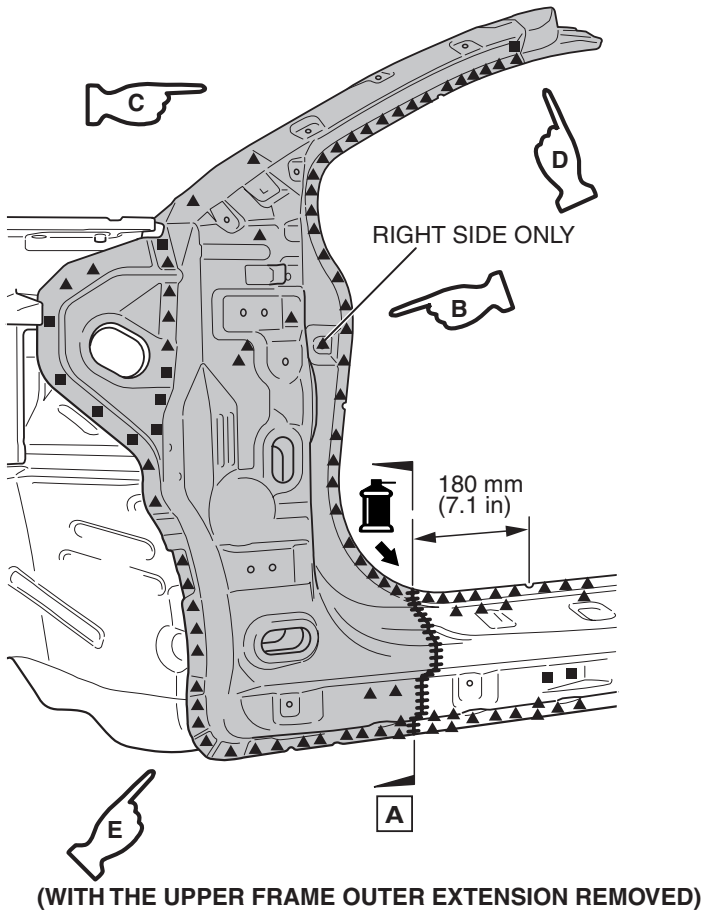
FRONT PILLAR <ECLIPSE SPYDER>

M4030005000894

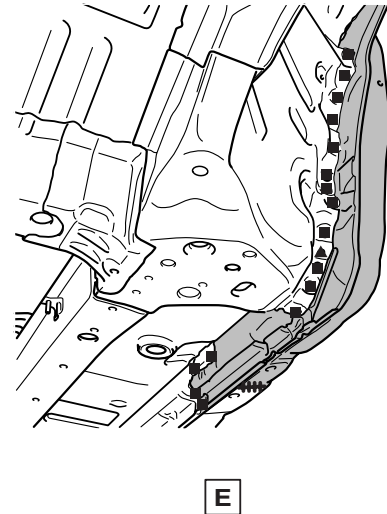
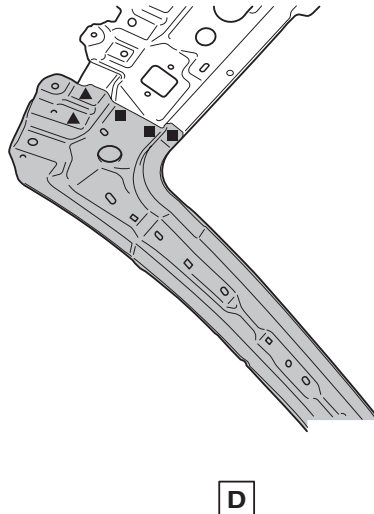
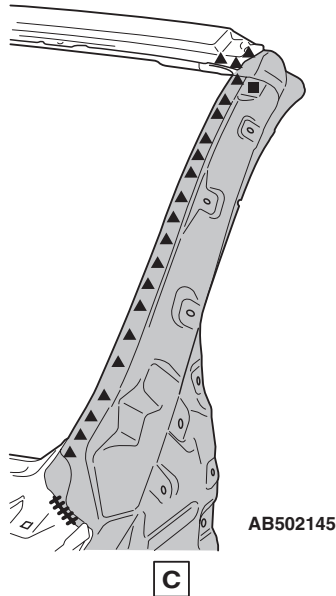


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
oooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



NOTE: Refer to the Fender Shield section on [P.3-10](#) for the welding points with the upper frame outer extension.

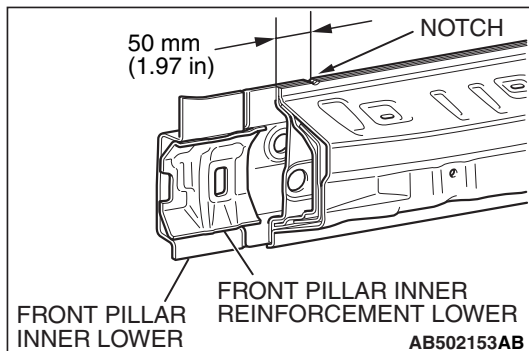


AB502150AB

NOTE ON REPAIR WORK

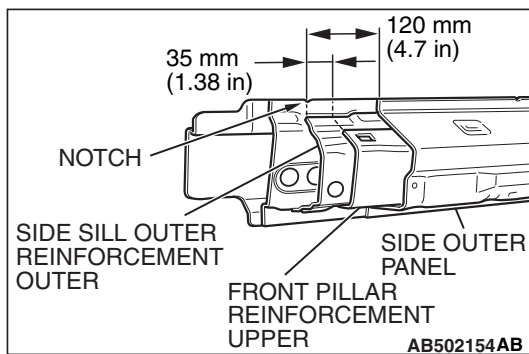
REMOVAL

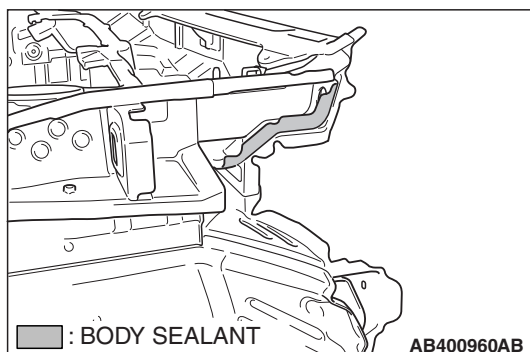
After removing the front pillar, cut the side sill 50 mm (1.97 inches) forward of the cut-out area to remove the remaining front pillar inner reinforcement lower and front pillar inner lower.



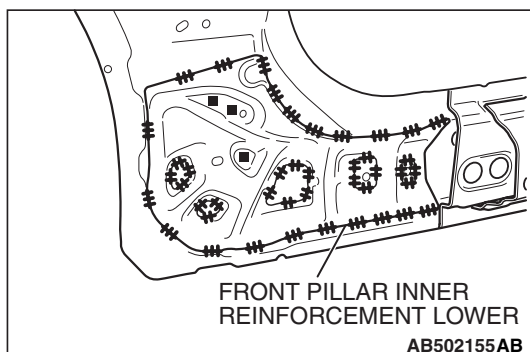
INSTALLATION

1. To reinforce the strength in the side sill cut area, cut the side outer panel 120 mm (4.7 inches) behind the notch and cut the front pillar reinforcement upper 35 mm (1.38 inches) behind the notch and cut the side sill outer reinforcement outer at the notch.

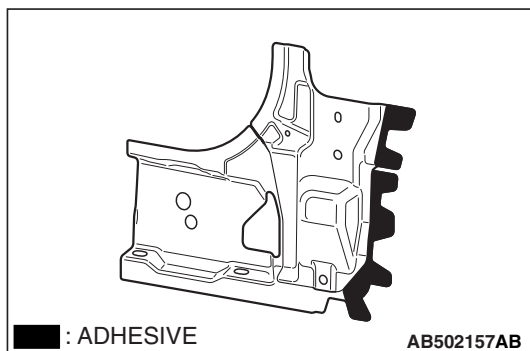




2. When assembling the new front pillar inner lower parts, apply in advance body sealant to the areas shown in the figure of the instructions.

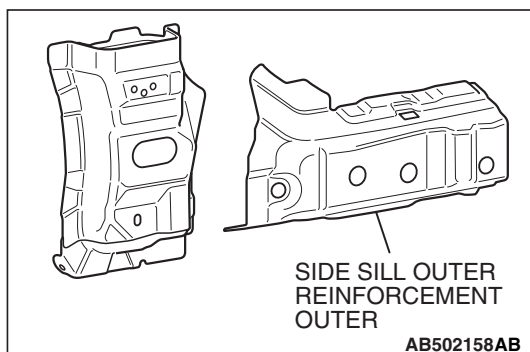


3. Assemble the new front pillar inner reinforcement lower part.

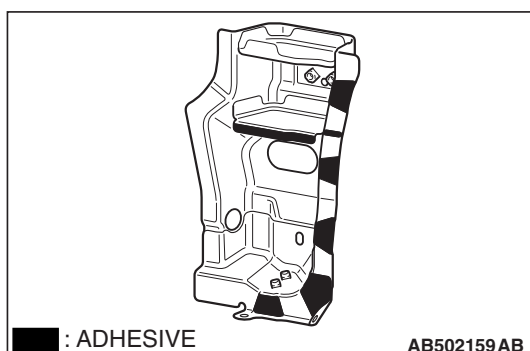


4. When assembling the new side sill outer front reinforcement inner parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

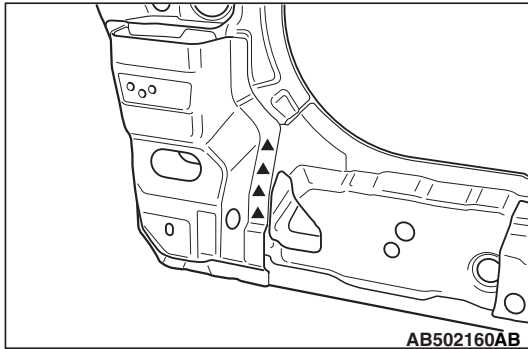


5. Cut the new side sill reinforcement parts by aligning them with the body-side. Then, remove the side sill outer reinforcement outer.

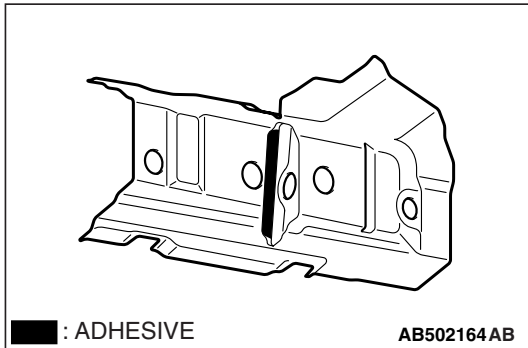


6. When assembling the front pillar reinforcement lower parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

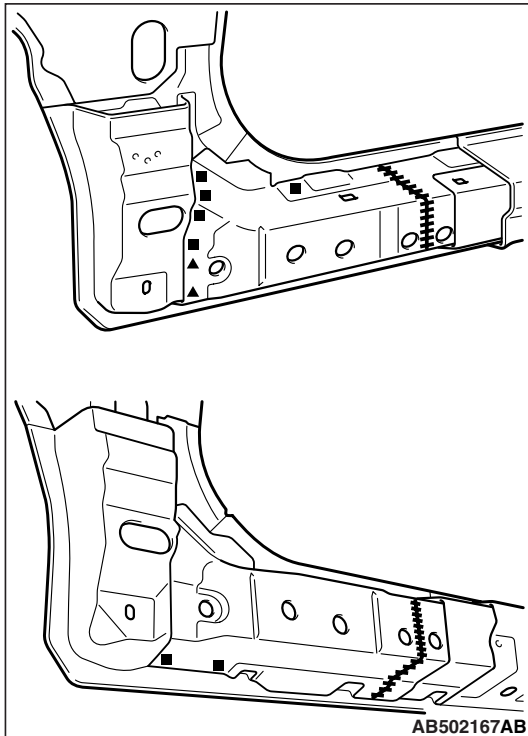


7. Assemble the front pillar reinforcement lower parts.

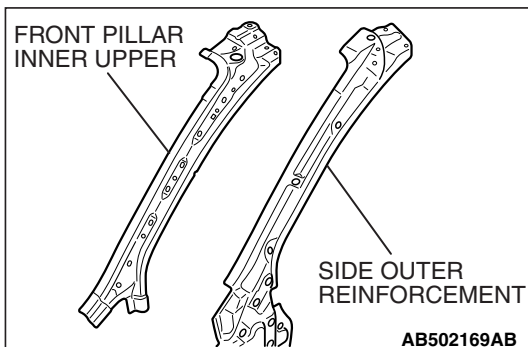


8. When assembling the side sill outer reinforcement outer parts, apply in advance adhesives to the areas shown in the figure of the instructions.

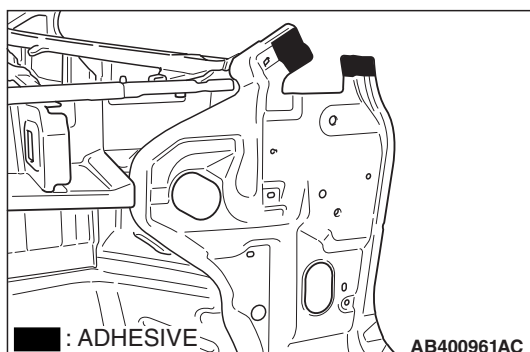
ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



9. Assemble the side sill outer reinforcement outer parts.

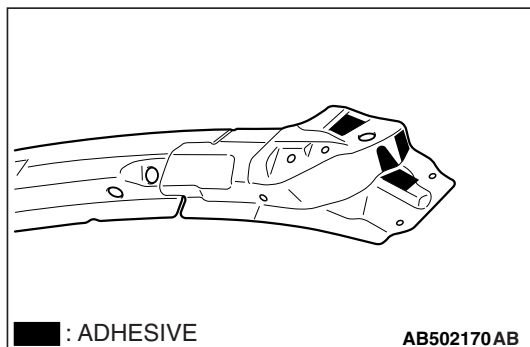


10. Install the new front pillar inner upper and the new side outer reinforcement simultaneously.



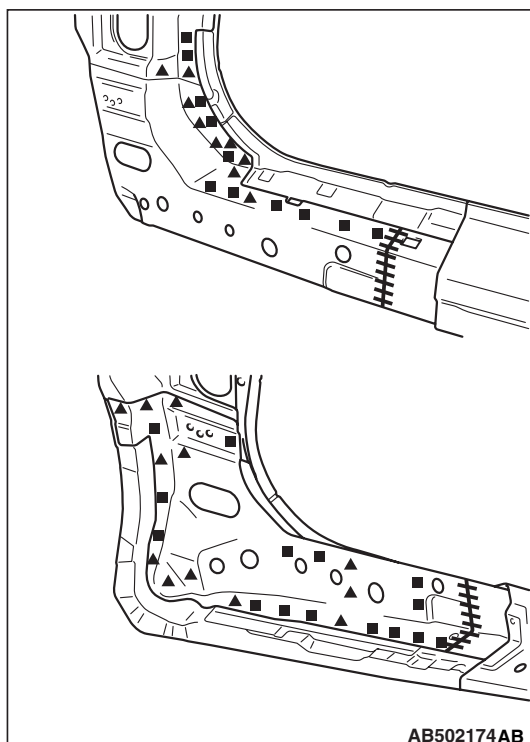
11. When assembling the new front pillar inner upper part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

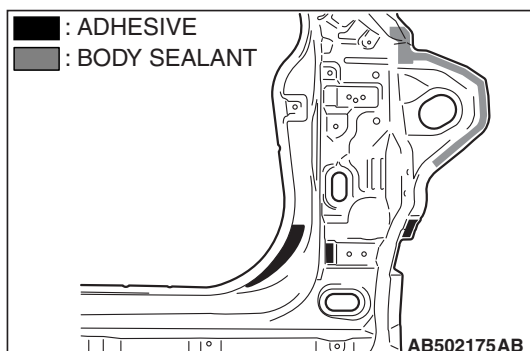


12. When assembling the new side outer reinforcement parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



13. Assemble the front pillar inner upper parts and side outer reinforcement parts.



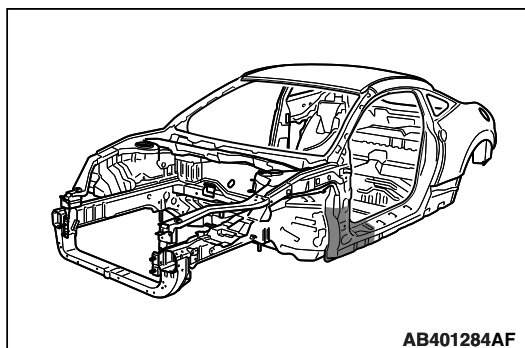
14. When assembling the new front pillar outer parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

NOTES

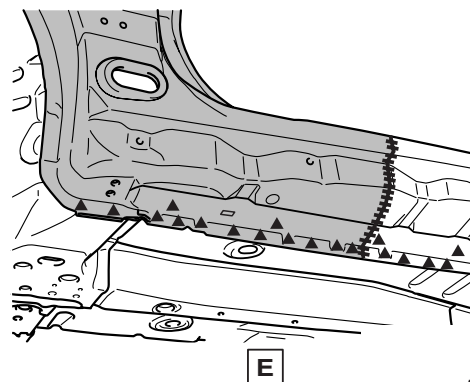
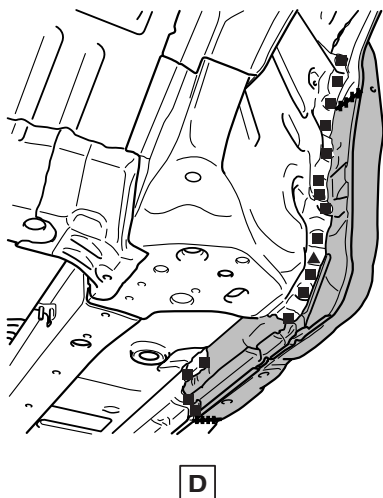
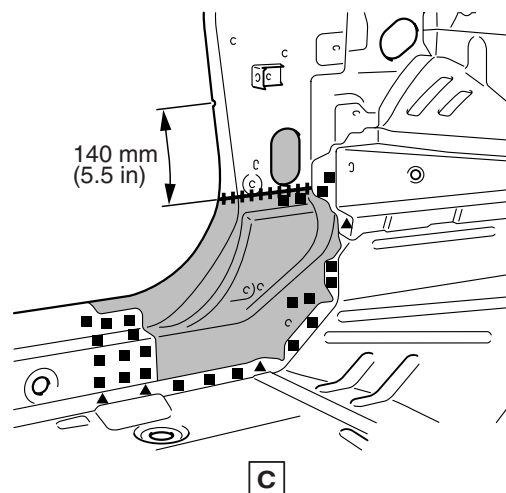
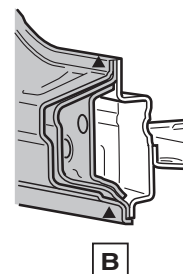
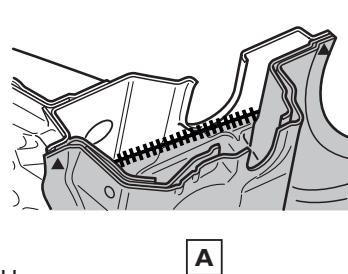
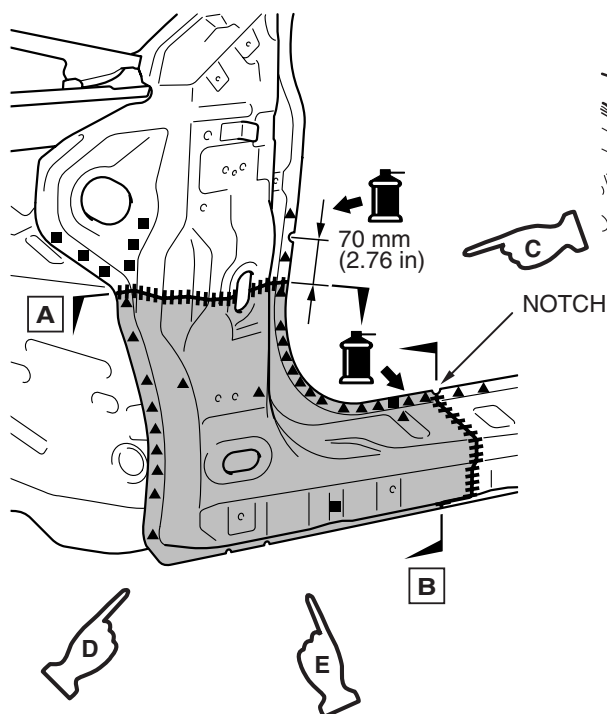
FRONT PILLAR (PARTIAL REPLACEMENT) <ECLIPSE>

M4030001200034



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+++++	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

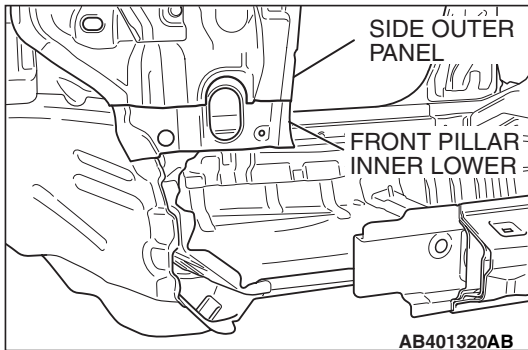
REPAIR WELDS



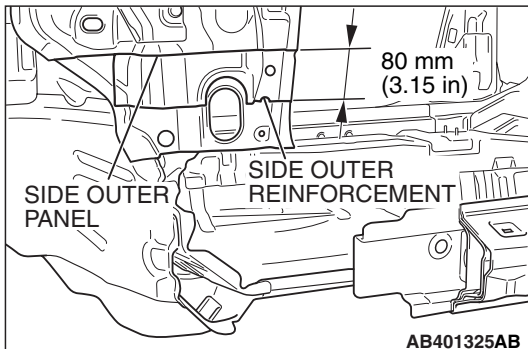
AB401021AB

NOTE ON REPAIR WORK

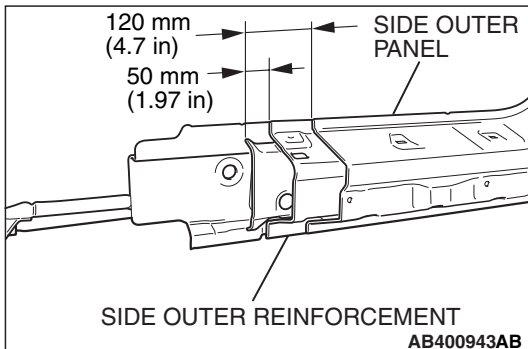
INSTALLATION



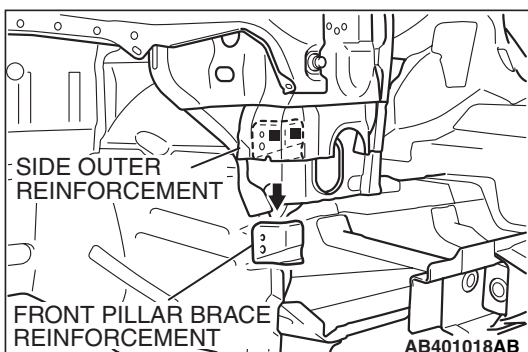
1. When cutting the front pillar, cut the side outer panel and side outer reinforcement in the same area. Then cut the front pillar inner lower.



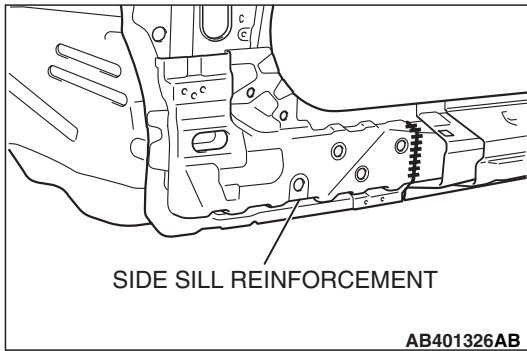
2. To reinforce the strength in the front pillar cut area, cut the side outer panel 80 mm (3.15 inches) above the cut area.



3. To reinforce the strength in the side sill cut area, cut the side outer panel 120 mm (4.7 inches) behind the cut area and cut the side outer reinforcement 50 mm (1.97 inches) behind the cut area.



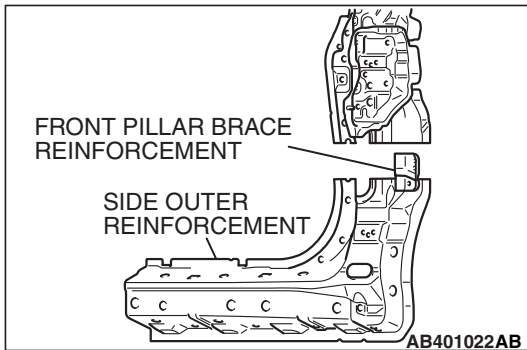
4. Remove the front pillar brace reinforcement remaining on the body.
5. Assemble the new front pillar inner lower parts.



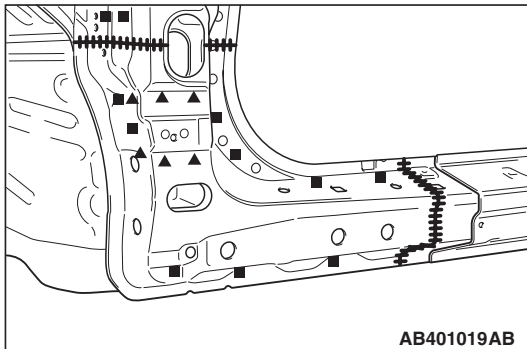
6. Assemble the new side sill reinforcement parts.

CAUTION

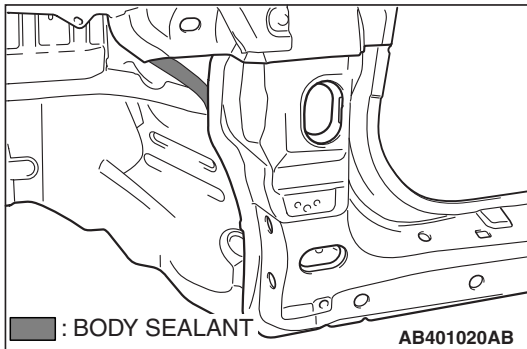
Weld and repair if the front pillar brace reinforcement is damaged.



7. Cut the new side outer reinforcement by aligning it with the side outer reinforcement cut area on the body side.



8. Assemble the new side outer reinforcement parts.

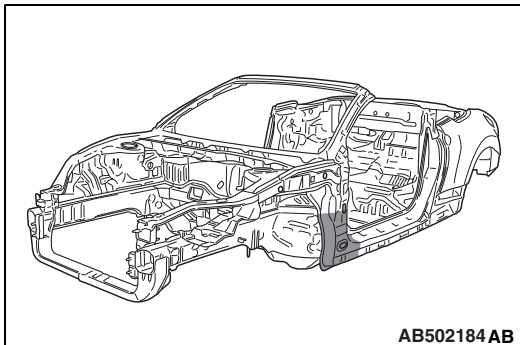


9. When assembling the new front outer pillar parts, apply in advance body sealant to the areas shown in the figure of the instructions.

NOTES

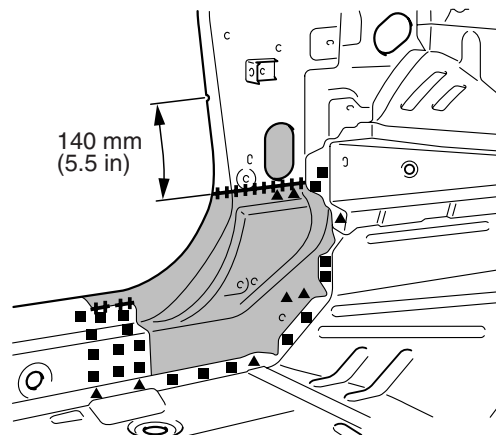
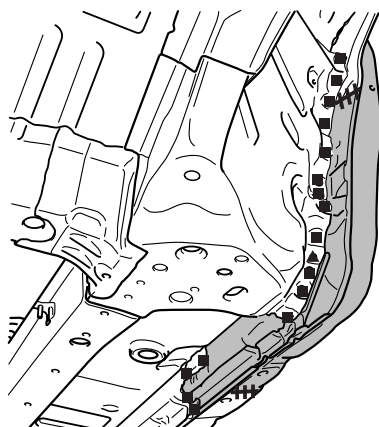
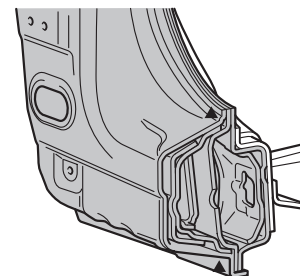
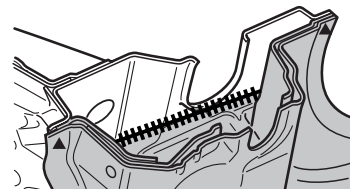
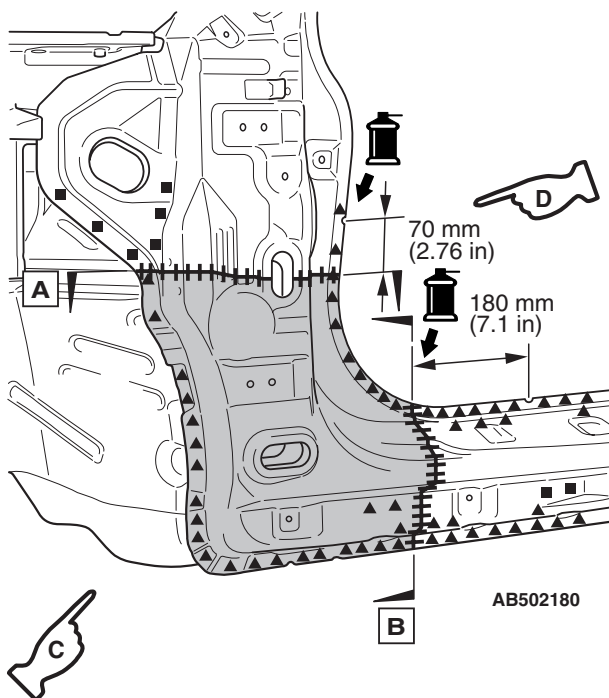
FRONT PILLAR (PARTIAL REPLACEMENT) <ECLIPSE SPYDER>

M4030001200023



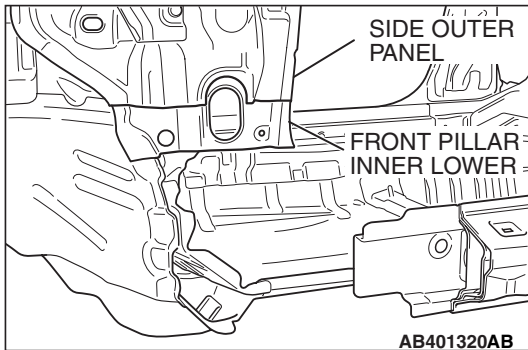
SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
○○○○○	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS

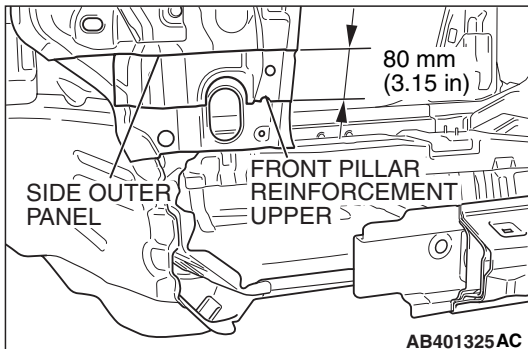
**AB502183AB**

NOTE ON REPAIR WORK

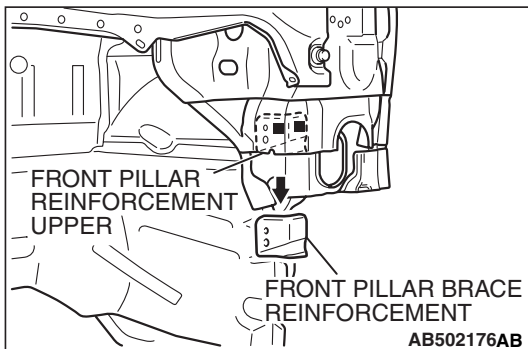
REMOVAL



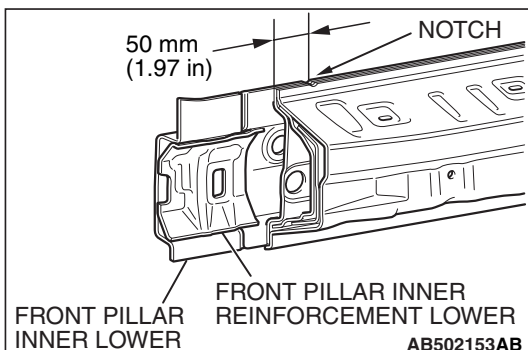
1. When cutting the front pillar, cut the side outer panel and front pillar reinforcement upper in the same area. Then cut the front pillar inner lower.



2. To reinforce the strength in the front pillar cut area, cut the side outer panel 80 mm (3.15 inches) above the cut area.

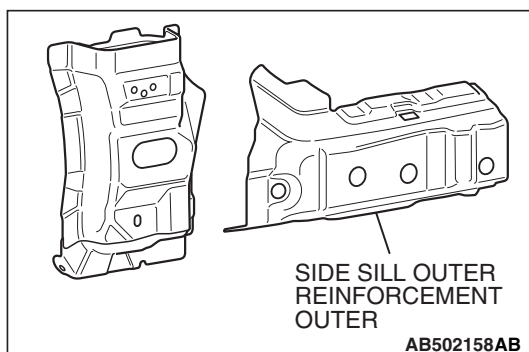
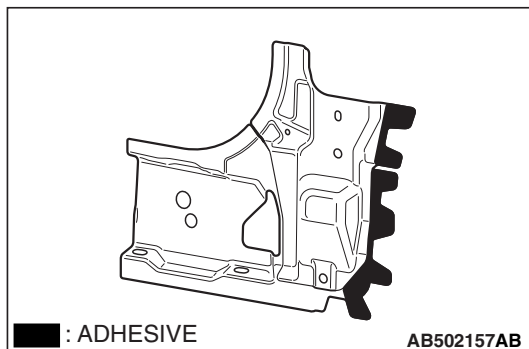
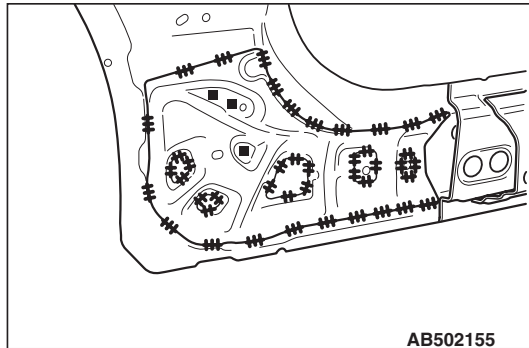
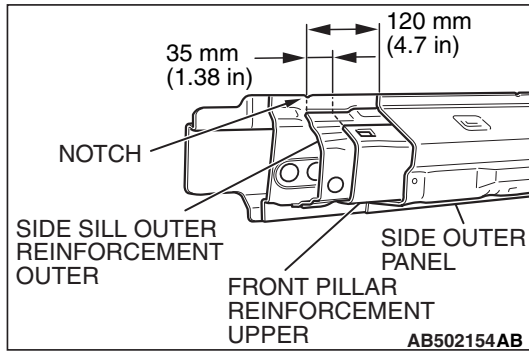


3. Remove the front pillar brace reinforcement and the side sill reinforcement bulkhead remaining on the body.

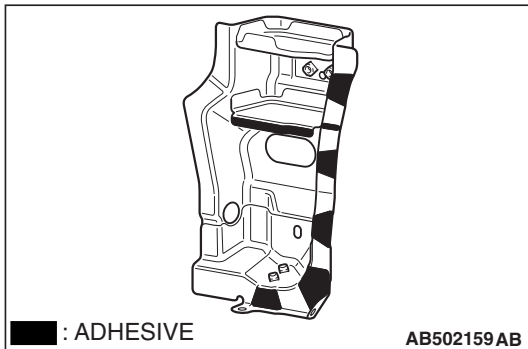


4. After removing the front pillar, cut the side sill 50 mm (1.97 inches) forward of the cut-out area to remove the remaining front pillar inner reinforcement lower and front pillar inner lower.

INSTALLATION

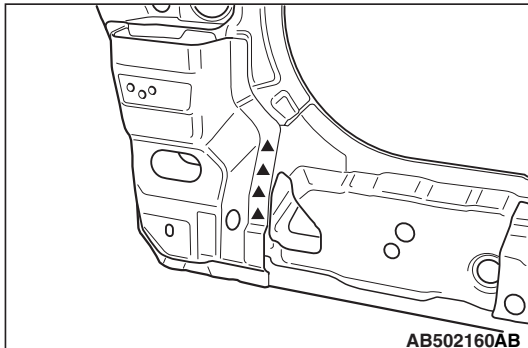


1. To reinforce the strength in the side sill cut area, cut the side outer panel 120 mm (4.7 inches) behind the notch and cut the front pillar reinforcement upper 35 mm (1.38 inches) behind the notch and cut the side sill outer reinforcement outer at the notch.
2. Assemble the new front pillar inner lower parts and the new front pillar inner reinforcement lower part.
3. When assembling the new side sill outer front reinforcement inner parts, apply in advance adhesives to the areas shown in the figure of the instructions.
ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent
4. Cut the new side sill reinforcement parts by aligning them with the body-side. Then, remove the side sill outer reinforcement outer.

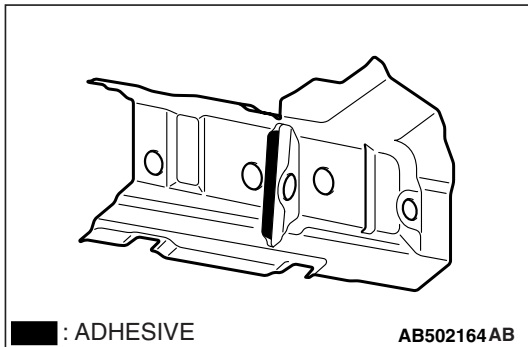


5. When assembling the front pillar reinforcement lower parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

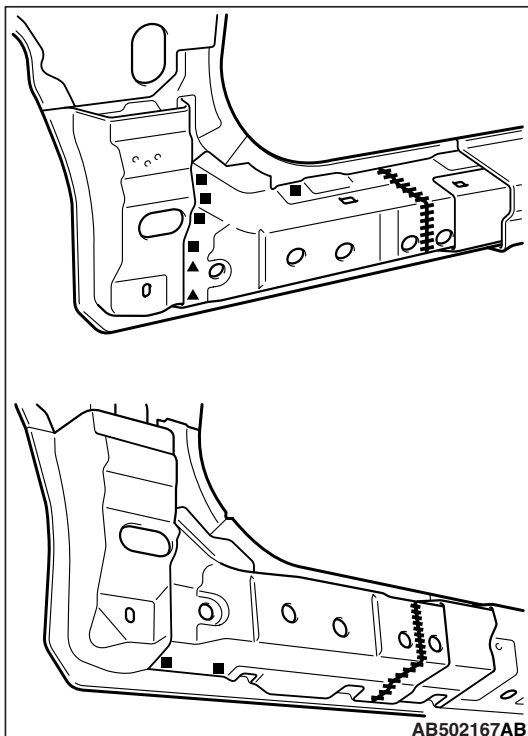


6. Assemble the front pillar reinforcement lower parts.

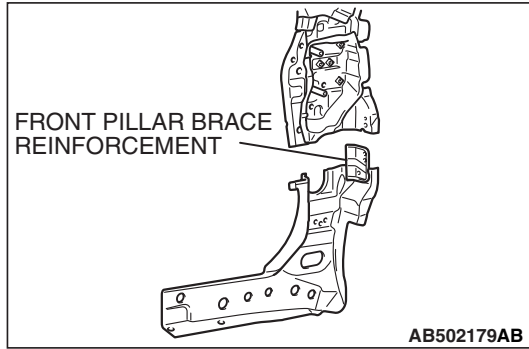


7. When assembling the side sill outer reinforcement outer parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



8. Assemble the side sill outer reinforcement outer parts.

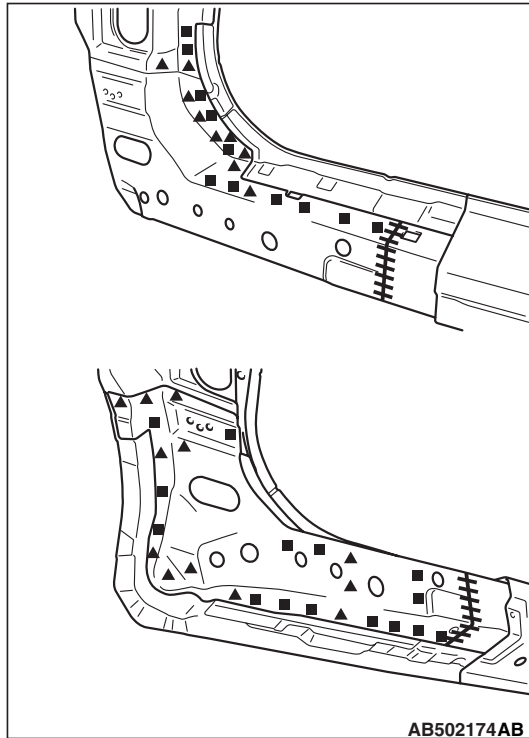


CAUTION

Weld and repair if the front pillar brace reinforcement is damaged.

9. Cut the new side outer reinforcement by aligning it with the side outer reinforcement cut area on the body side.

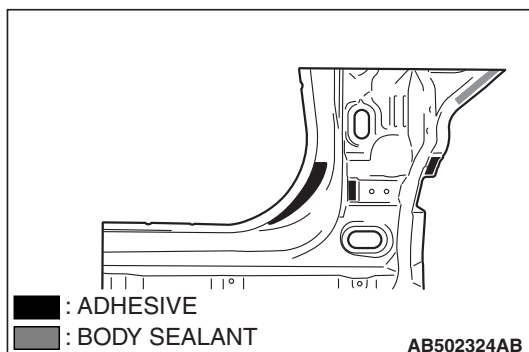
10. Assemble the side outer reinforcement parts.



11. When assembling the new front pillar outer parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

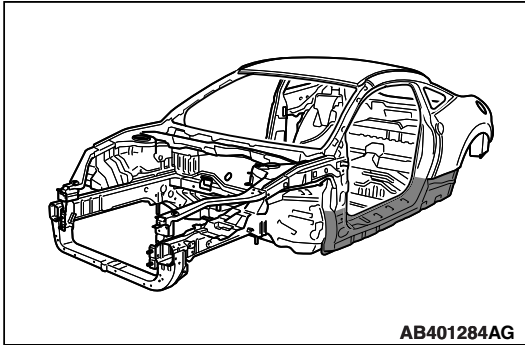
BRAND: 3M™ AAD Part No.8115 or equivalent



NOTES

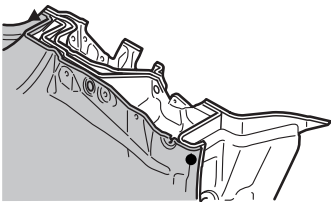
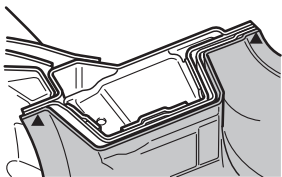
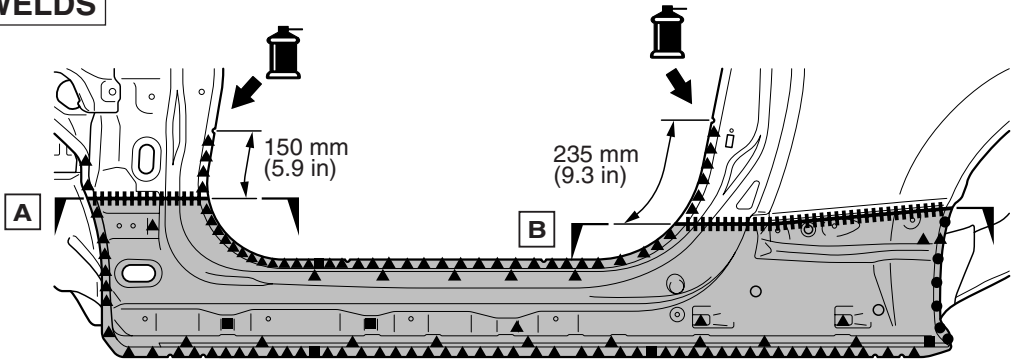
SIDE SILL <ECLIPSE>

M4030007000685

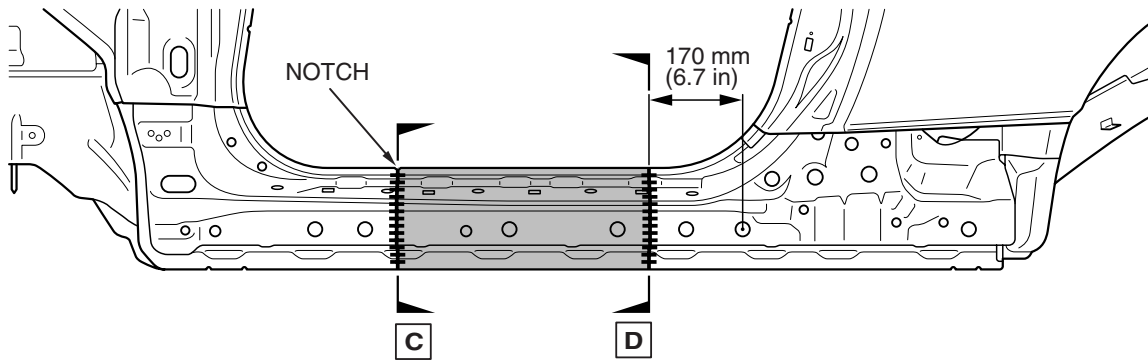


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

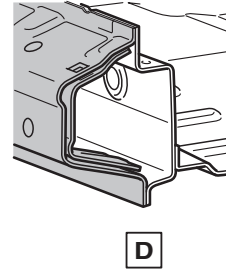
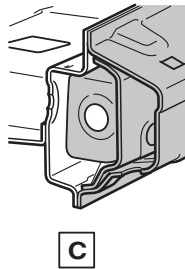
REPAIR WELDS



AB502306AB



(WITH THE SIDE OUTER PANEL REMOVED)



AB401175AB

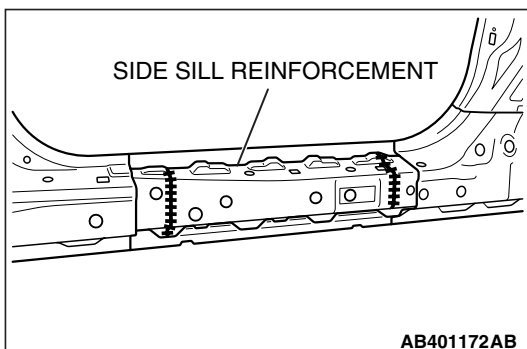
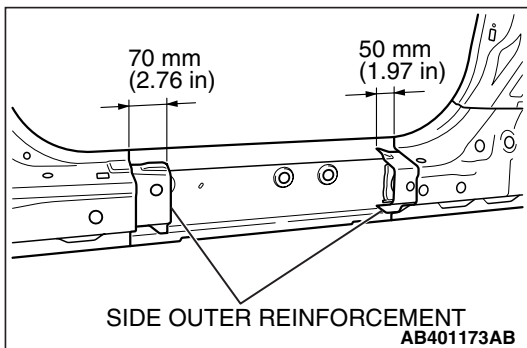
NOTE ON REPAIR WORK

INSTALLATION

CAUTION

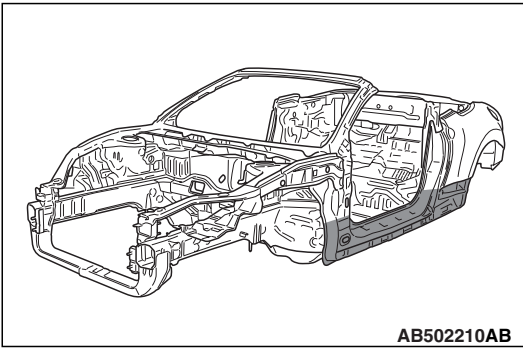
Weld and repair if the side sill reinforcement is damaged.

1. To reinforce the strength of the side outer reinforcement cut area, cut the side outer reinforcement 70 mm (2.76 inches) forward of the cut area at the front side. Cut the side outer reinforcement 50 mm (1.97 inches) backward of the cut area at the rear side.



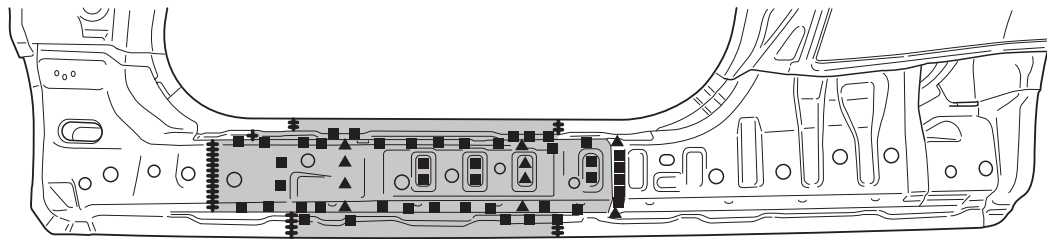
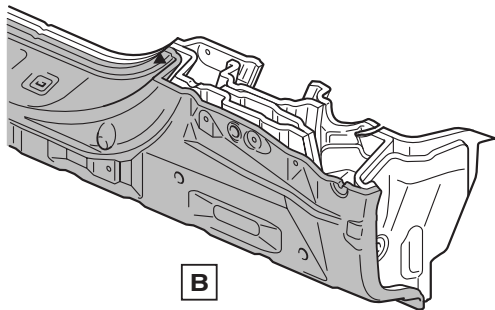
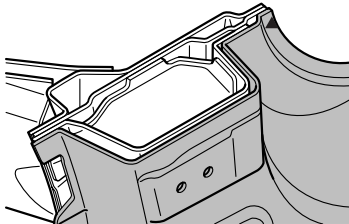
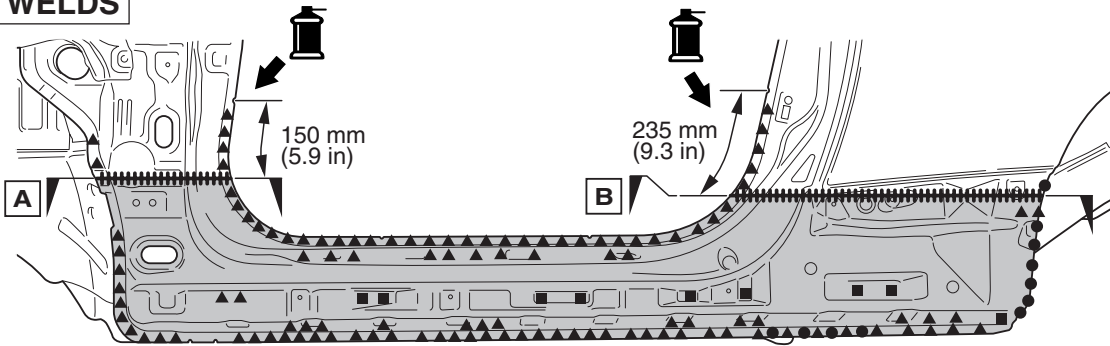
SIDE SILL <ECLIPSE SPYDER>

M4030007000663



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



(WITH THE SIDE OUTER PANEL REMOVED)

AB502212AB

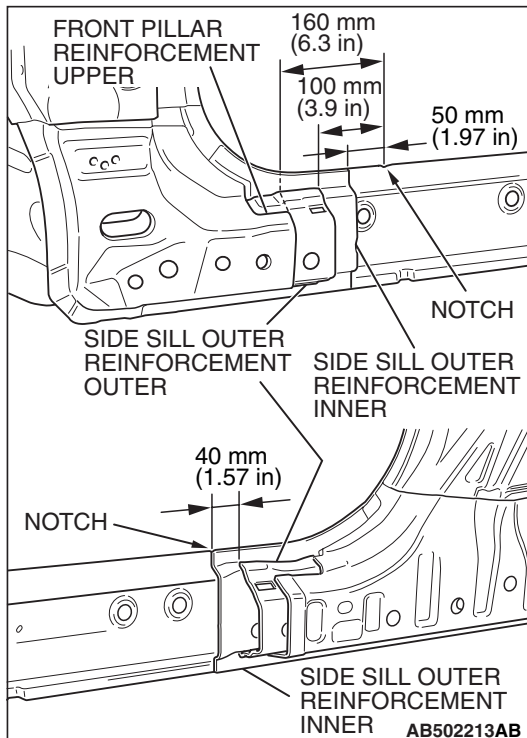
NOTE ON REPAIR WORK

REMOVAL

⚠ CAUTION

Weld and repair if the side sill outer reinforcement outer and the side sill outer reinforcement inner are damaged.

To reinforce the strength of the side sill reinforcement cut area, cut and remove as follows. Cut the front pillar reinforcement upper 160 mm (6.3 inches) forward of the notch at the front side. Cut the side sill outer reinforcement outer 100 mm (3.9 inches) forward of the notch at the front side, and cut it 40 mm (1.57 inches) behind the notch at the rear side. Cut the side sill outer reinforcement inner 50 mm (1.97 inches) forward of the notch at the front side, and cut it at the notch at the rear side.

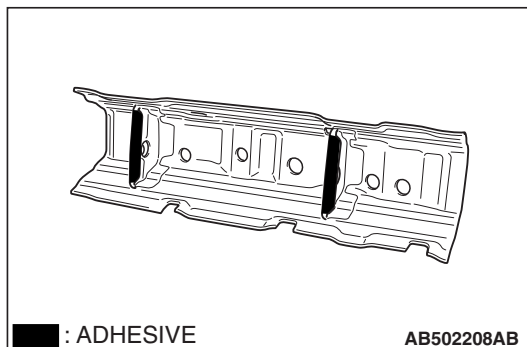


INSTALLATION

1. When assembling the new side sill reinforcement parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

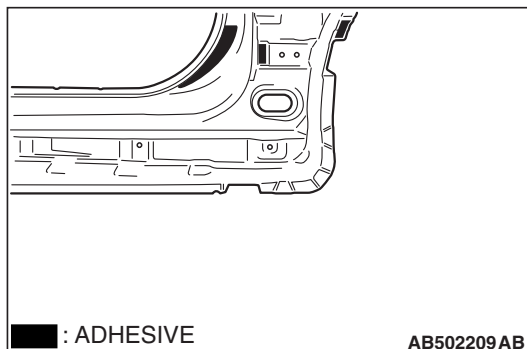
BRAND: 3M™ AAD Part No.8115 or equivalent



2. When assembling the new front pillar outer parts, apply in advance adhesives to the areas shown in the figure of the instructions.

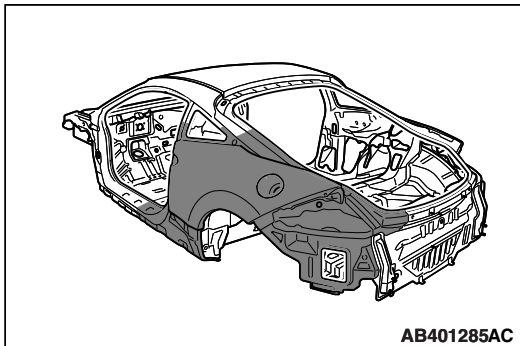
ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



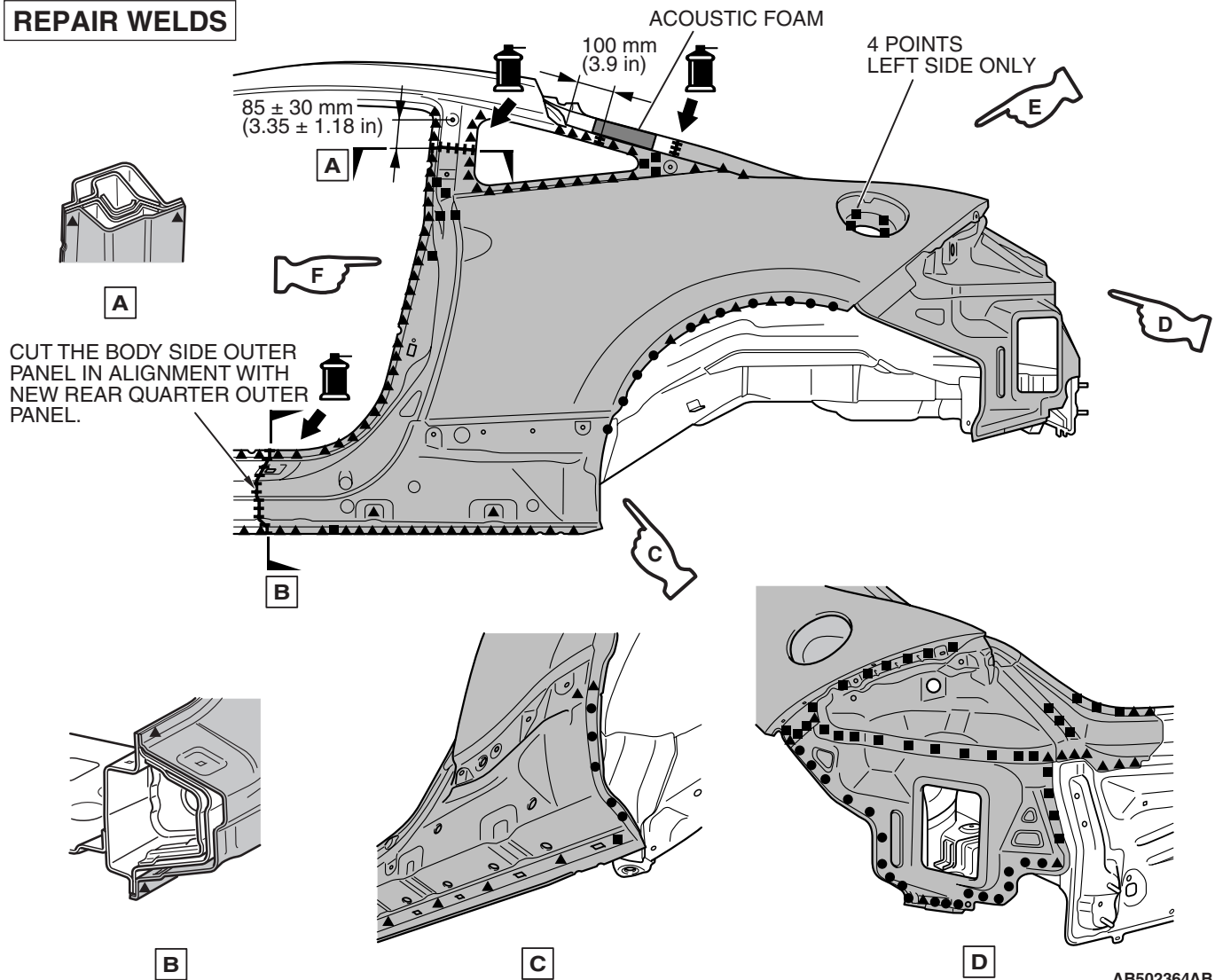
QUARTER OUTER <ECLIPSE>

M4030008000570



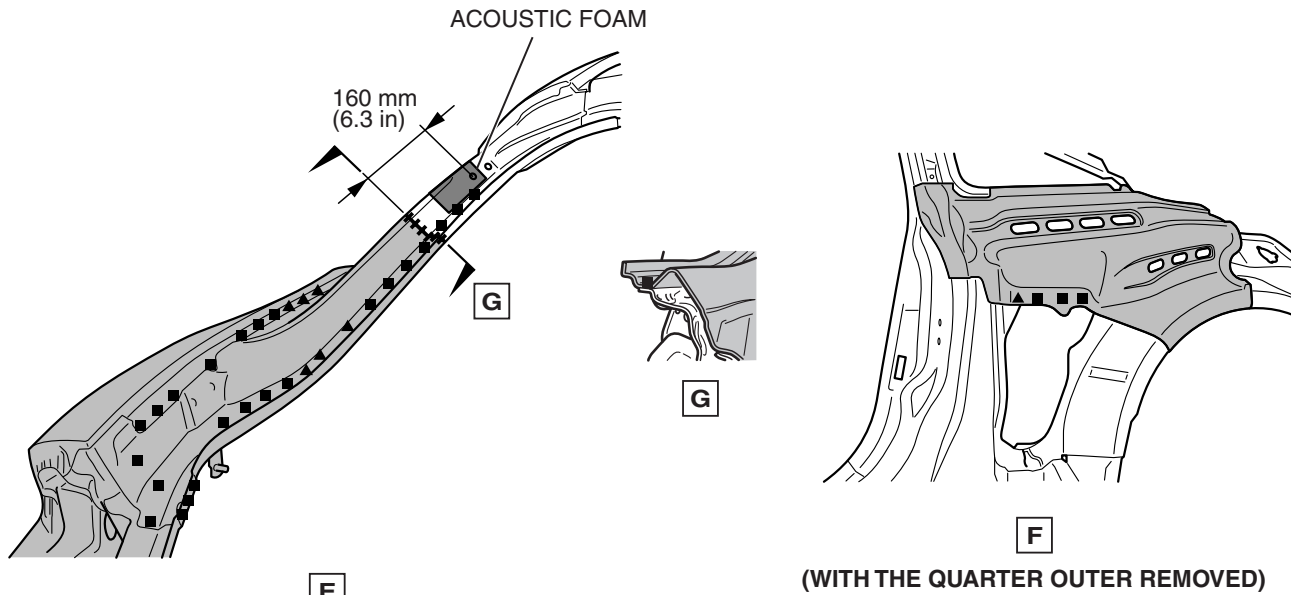
SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



CAUTION

When repairing the area using foam materials do not use firing tools since the foaming materials may burn.

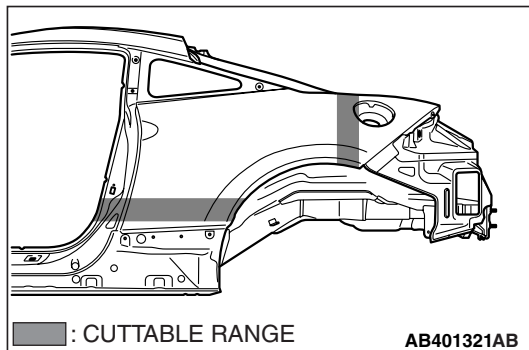


AB401142AB

CAUTION

Avoid the fuel filler bracket (left side).

NOTE: Parts replacement is advised, depending on the damaged range.



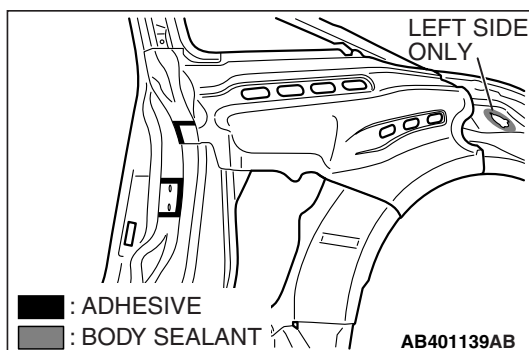
NOTE ON REPAIR WORK

INSTALLATION

When assembling the new rear quarter outer panel parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.

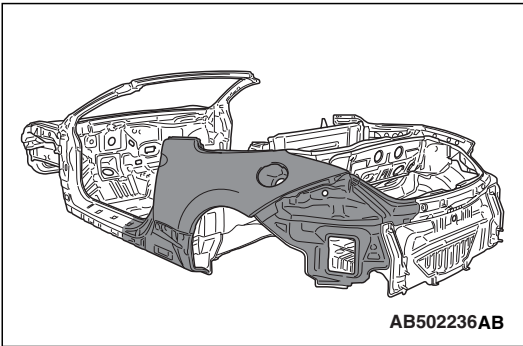
ADHESIVE: Epoxyayresin adhesive


BRAND: 3M™ AAD Part No.8115 or equivalent



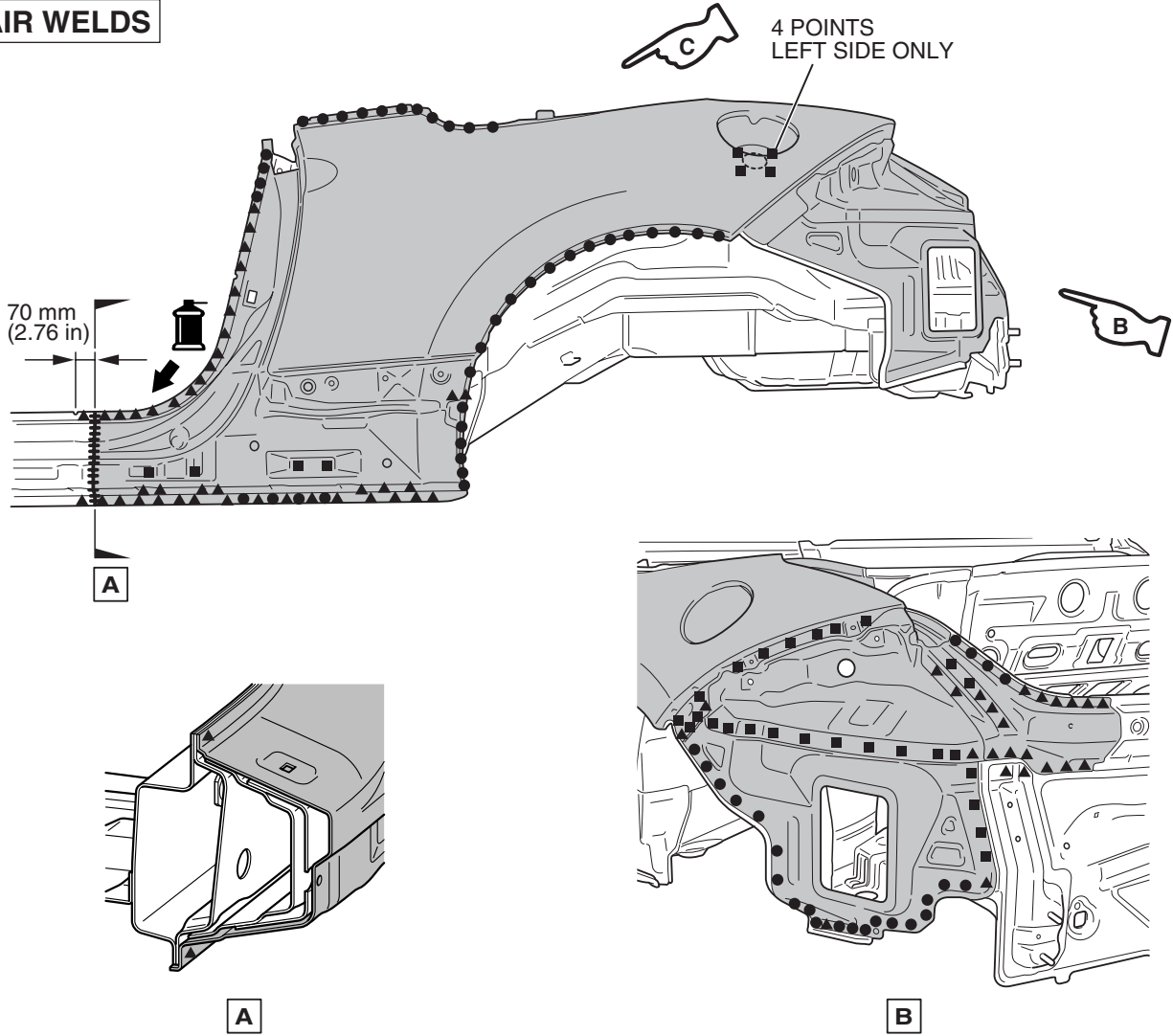
QUARTER OUTER <ECLIPSE SPYDER>

M4030008000558

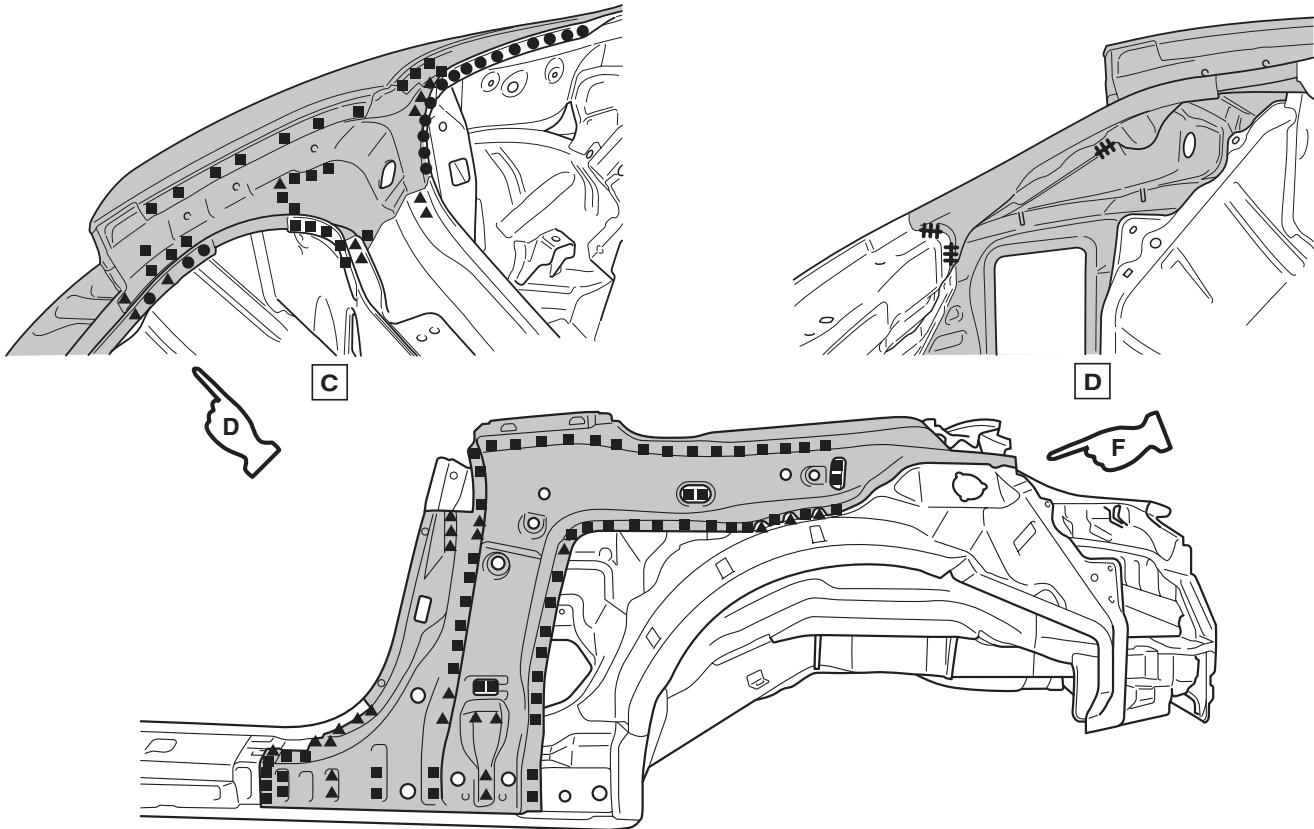


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
oooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

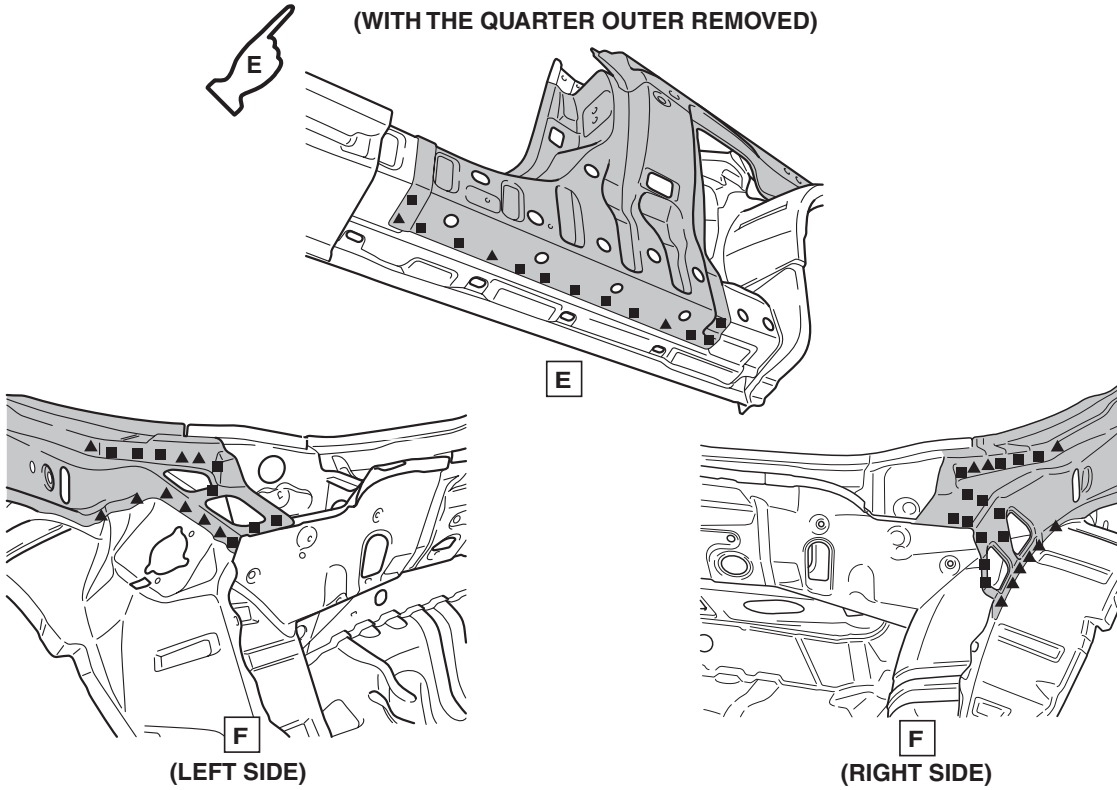
REPAIR WELDS



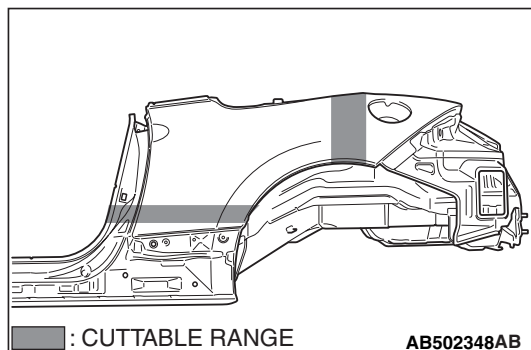
AB502237AB



(WITH THE QUARTER OUTER REMOVED)



AB502238AB

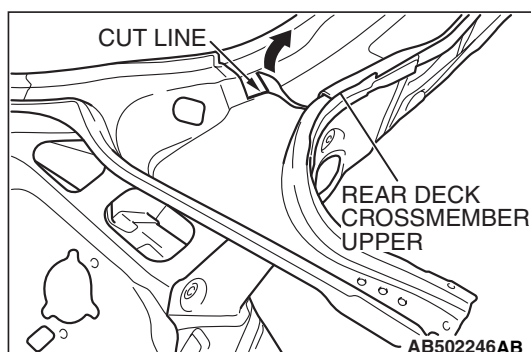

⚠ CAUTION

Avoid the fuel filler bracket (left side).

NOTE: Parts replacement is advised, depending on the damaged range.

NOTE ON REPAIR WORK
REMOVAL

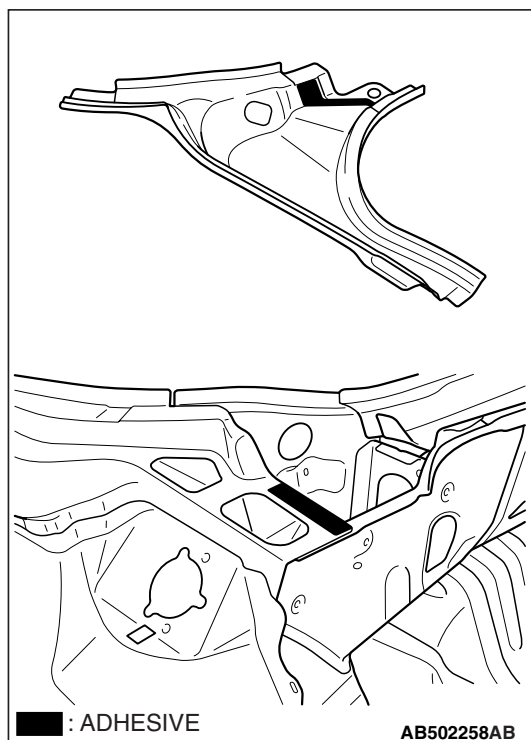
The welding point between the rear quarter outer upper extension panel and the rear deck brace bulkhead is hidden by the rear deck crossmember upper. Therefore, when removing the rear quarter outer upper extension panel, make a slit on the rear deck crossmember upper and turn it up.

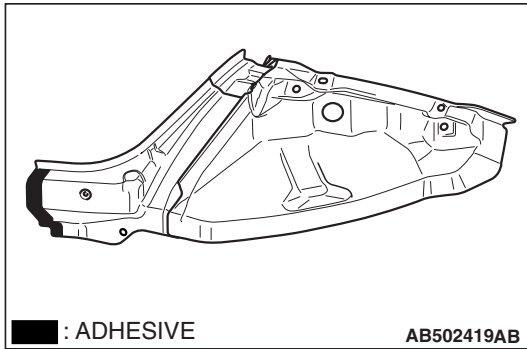

INSTALLATION

1. When assembling the new rear quarter outer upper extension panel part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

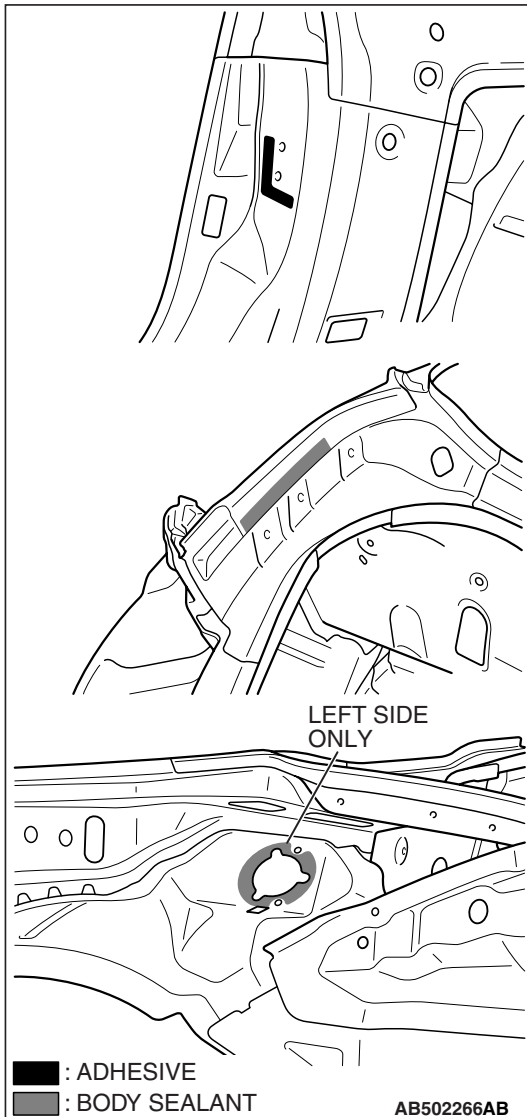




2. When assembling the new rear light housing parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



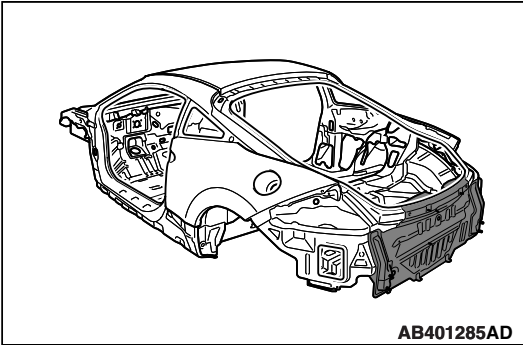
3. When assembling the new rear quarter outer panel lower parts, apply in advance body sealant and adhesives to the areas shown in the figure of the instructions.


ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

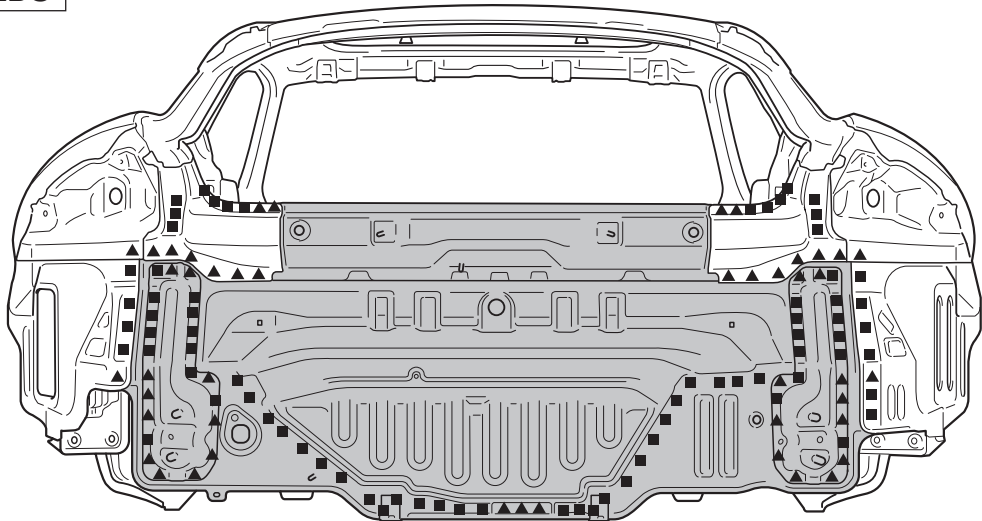
REAR END PANEL <ECLIPSE>

M4030009000261



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

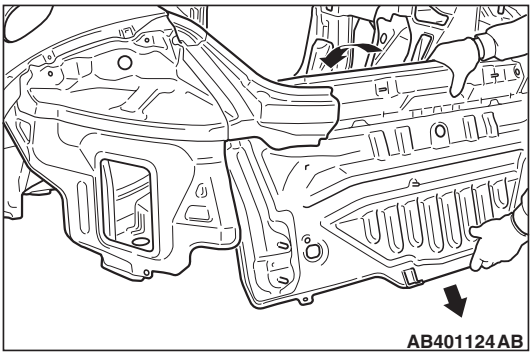
REPAIR WELDS



NOTE ON REPAIR WORK

REMOVAL

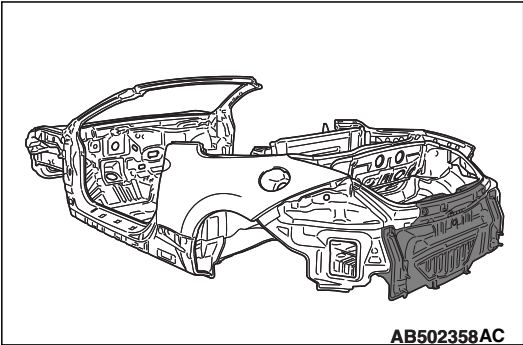
When removing the rear end panel, slant the top of rear end panel toward the cabin side and pull out the rear end panel in the bottom direction.



NOTES

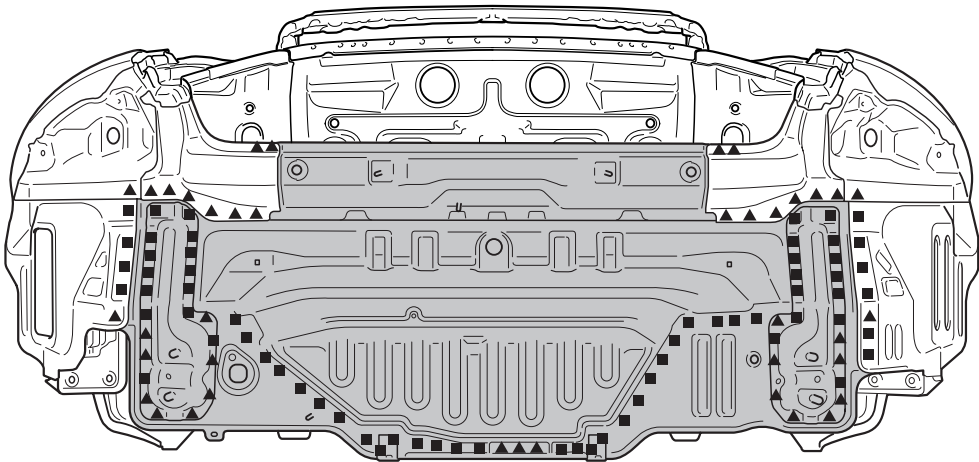
REAR END PANEL<ECLIPSE SPYDER>

M4030009000250



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



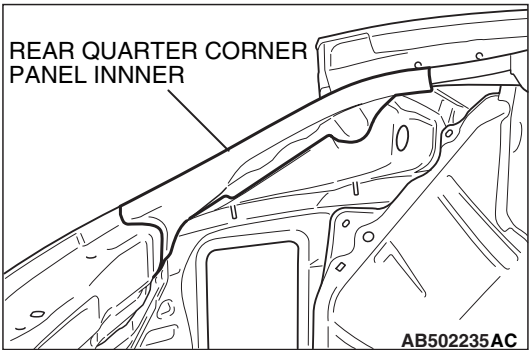
AB502227AB

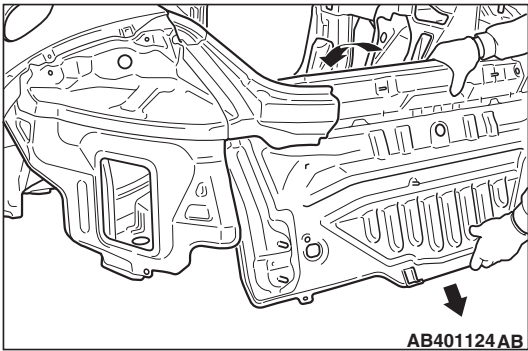
NOTE ON REPAIR WORK

REMOVAL

1. To remove the rear end panel, remove the rear quarter corner panel inner first.

NOTE: Refer to the Quarter Outer section on P.3-72 for the welding point with the rear quarter corner panel inner.





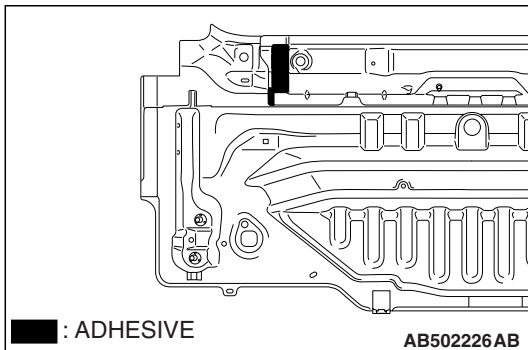
2. When removing the rear end panel, slant the top of rear end panel toward the cabin side and pull out the rear end panel in the bottom direction.

INSTALLATION

When assembling the new rear end panel parts, apply in advance adhesives to the areas shown in the figure of the instructions.

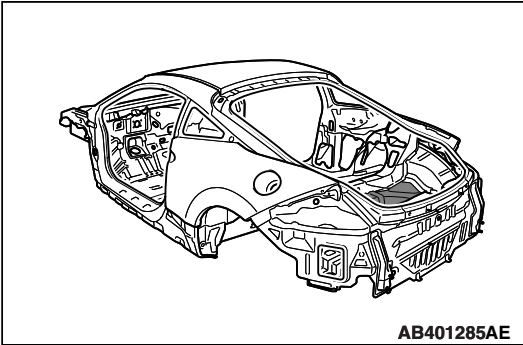
ADHESIVE: Epoxyayresin adhesive


BRAND: 3M™ AAD Part No.8115 or equivalent



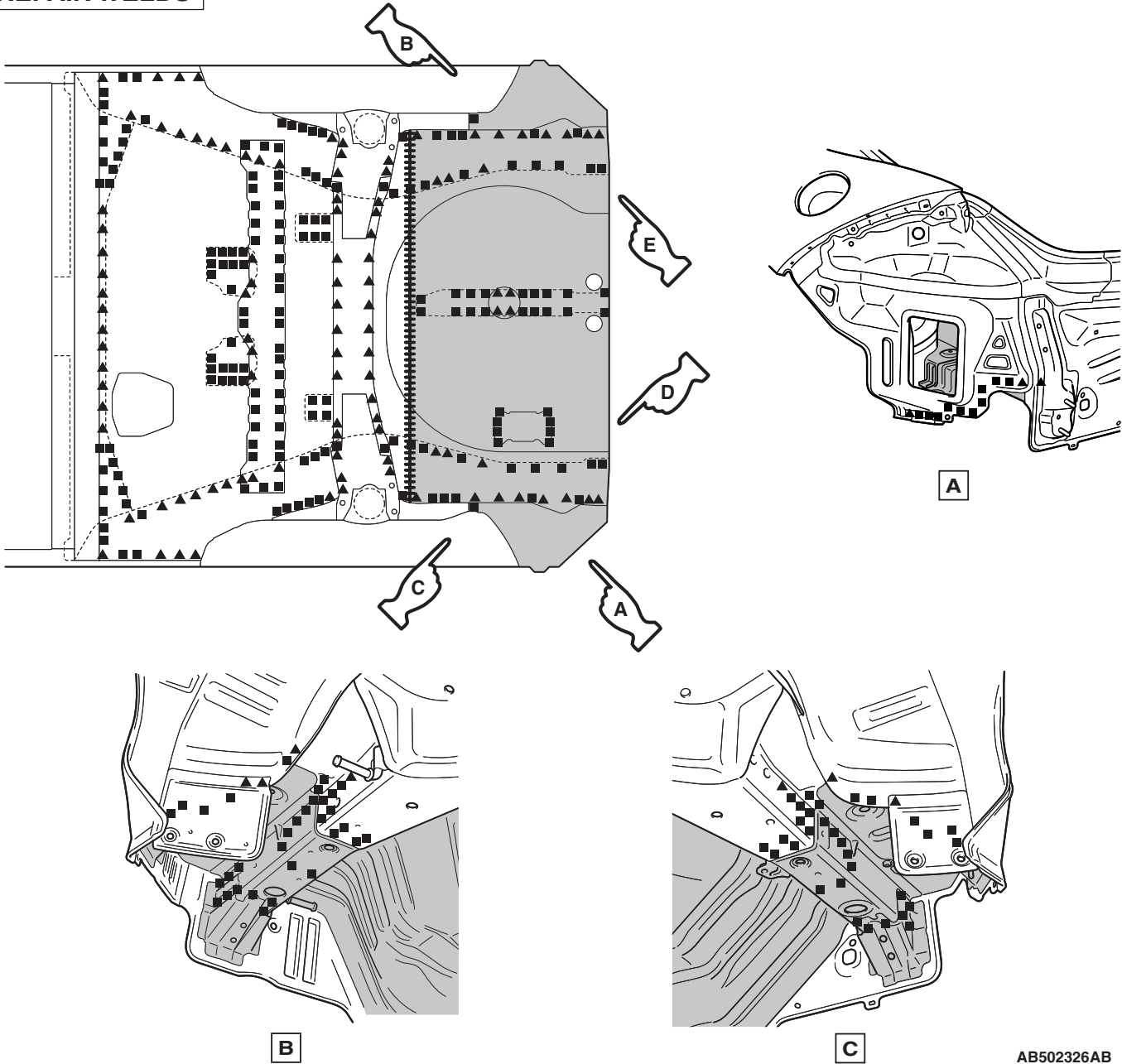
REAR FLOOR <ECLIPSE>

M4030010000599



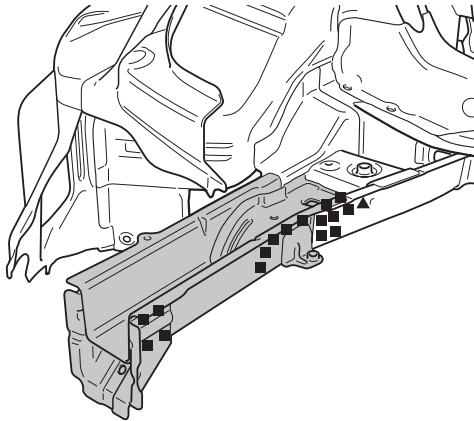
SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS

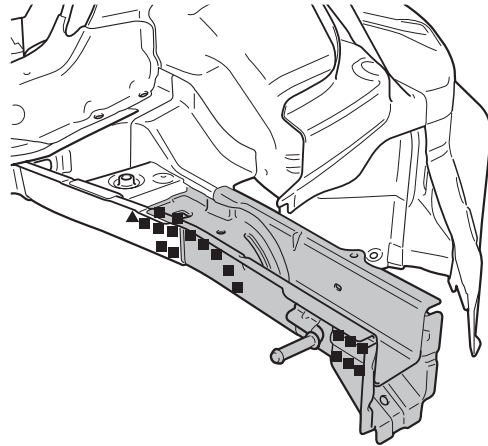


AB502326AB

NOTE: Refer to the Rear End Panel section on [P.3-48](#) for the welding points with the rear end panel.



D



E

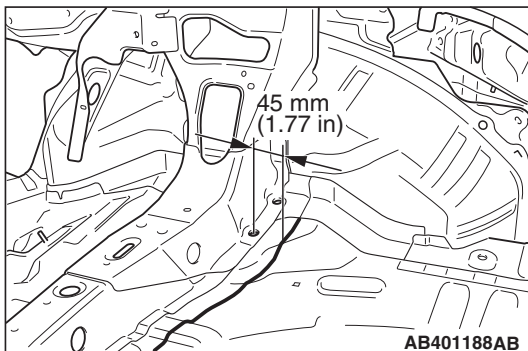
(WITH THE REAR FLOOR PAN REMOVED)

AB401191AB

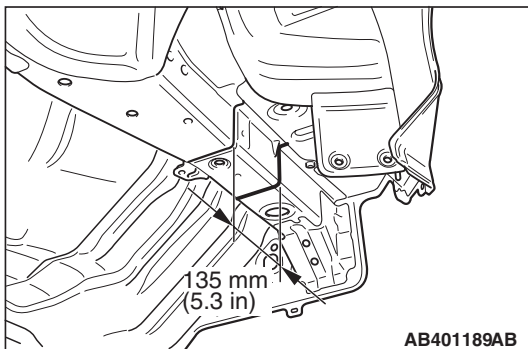
NOTE ON REPAIR WORK

REMOVAL

1. When cutting the rear floor pan, cut it from 45 mm (1.77 inches) behind the rear suspension assembling hole.
2. When removing the rear floor side member extension without removing the rear floor pan, cut it 135 mm (5.3 inches) behind the rear edge of the rear floor side member to remove.



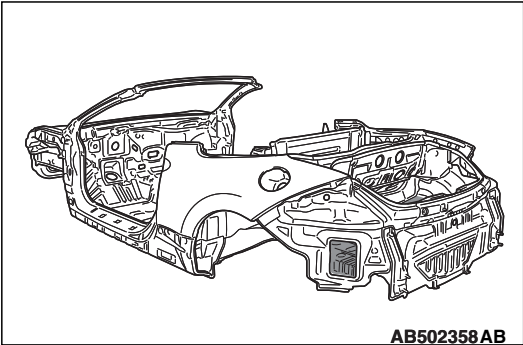
AB401188AB



AB401189AB

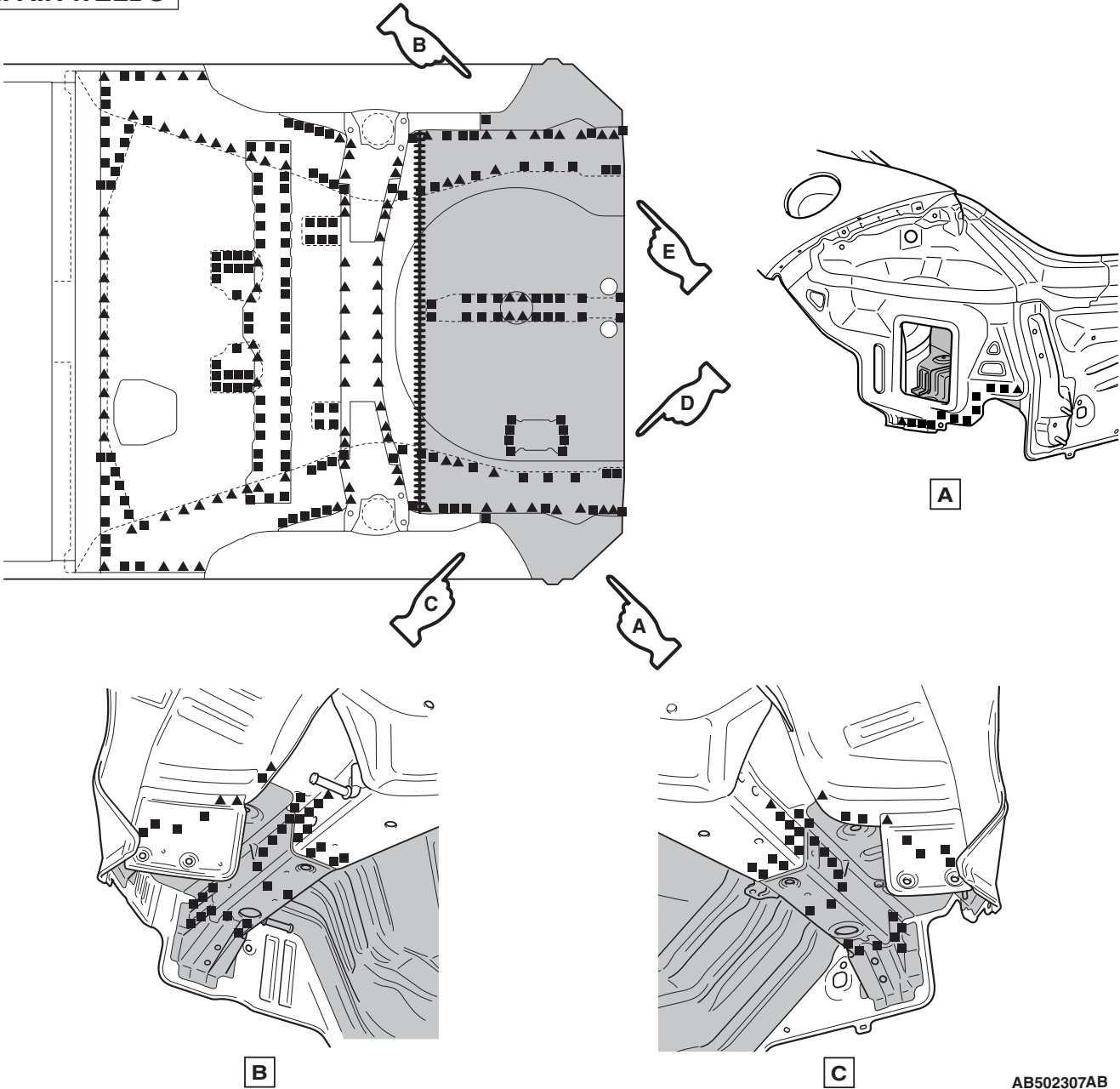
REAR FLOOR <ECLIPSE SPYDER>

M4030010000588

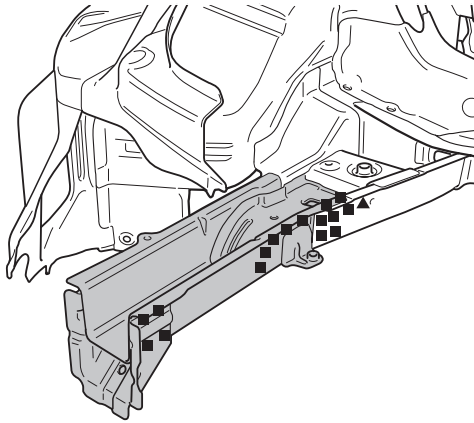


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
oooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

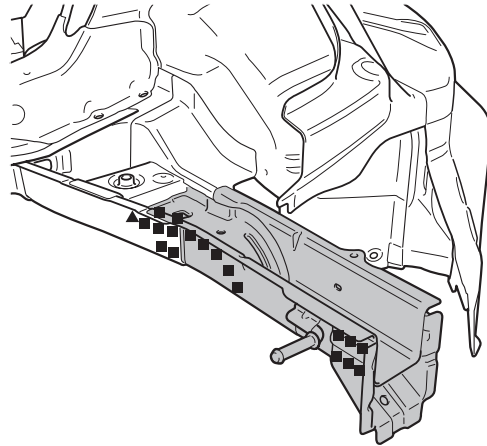
REPAIR WELDS



NOTE: Refer to the Rear End Panel section on [P.3-50](#) for the welding points with the rear end panel.



D



E

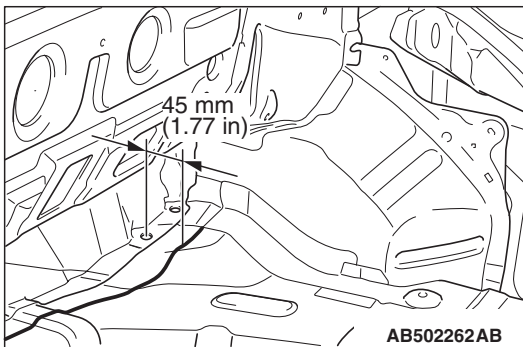
(WITH THE REAR FLOOR PAN REMOVED)

AB401191AB

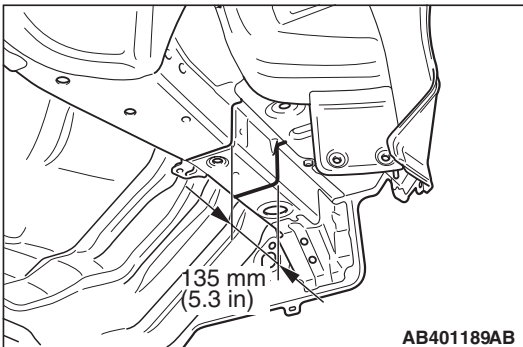
NOTE ON REPAIR WORK

REMOVAL

1. When cutting the rear floor pan, cut it from 45 mm (1.77 inches) behind the rear suspension assembling hole.
2. When removing the rear floor side member extension without removing the rear floor pan, cut it 135 mm (5.3 inches) behind the rear edge of the rear floor side member to remove.

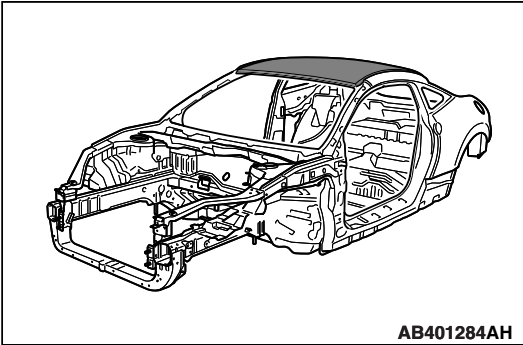


AB502262AB



AB401189AB

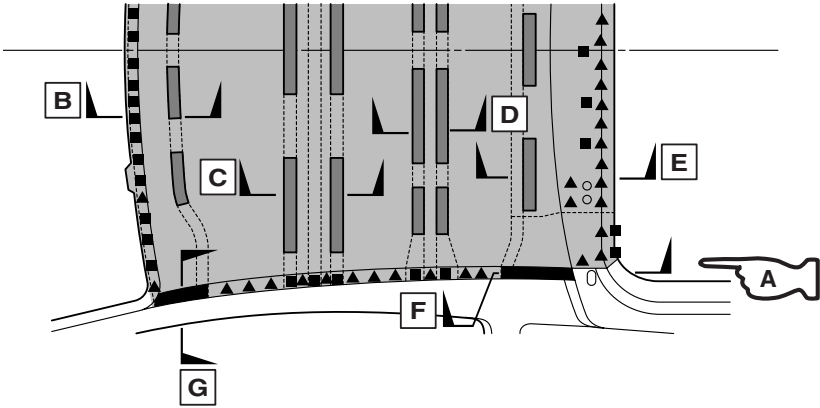
ROOF <ECLIPSE>



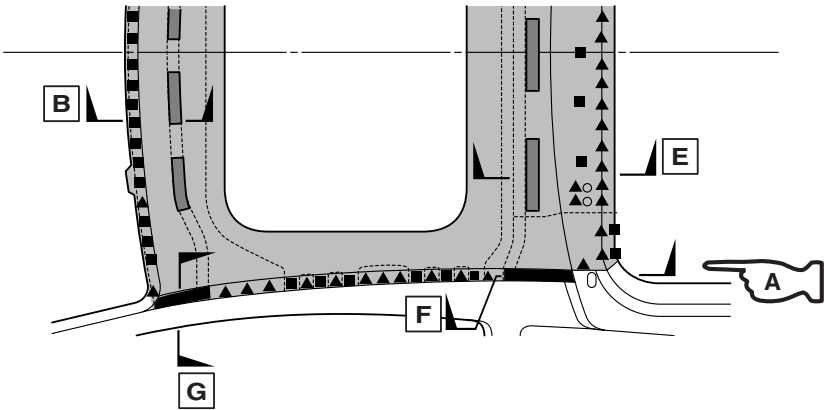
SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS

VEHICLES WITHOUT
SUNROOF



VEHICLES WITH
SUNROOF



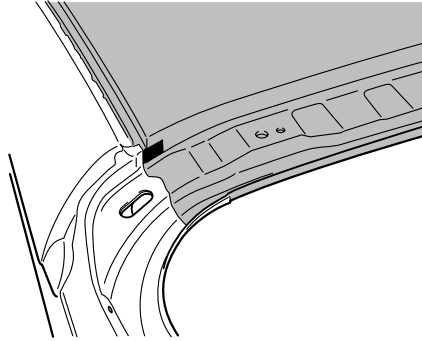
■ : ADHESIVE 1
■ : ADHESIVE 2

AB401208AB

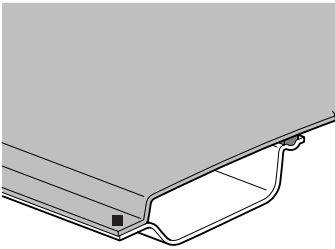
- **ADHESIVE 1:** Urethane body sealer
BRAND: 3M™ AAD Part No.8542 or equivalent
- **ADHESIVE 2:** Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

⚠ CAUTION

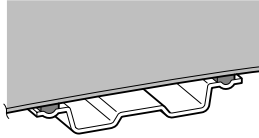
When repairing the area using foam materials do not use firing tools since the foaming materials may burn.



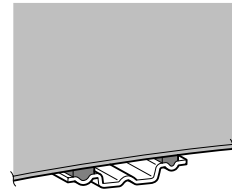
A



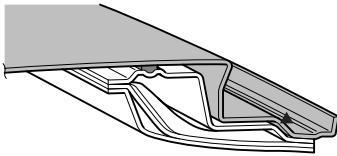
B



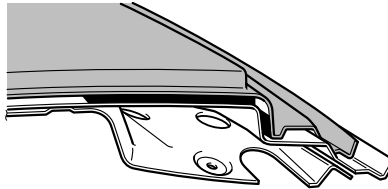
C



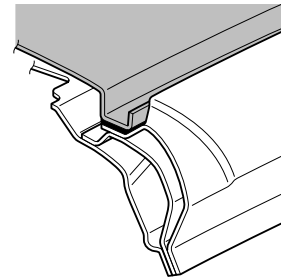
D



E



F

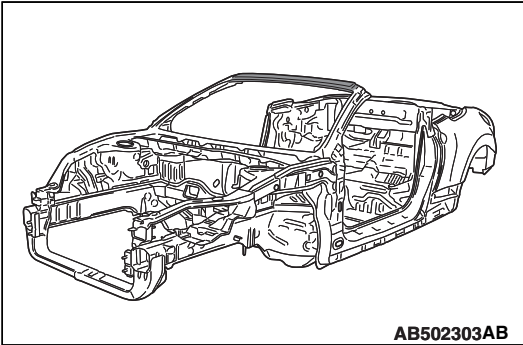



G

AB401281AB

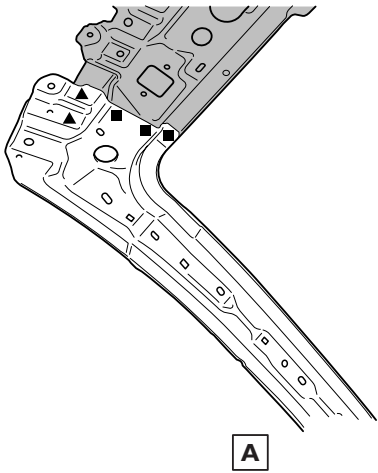
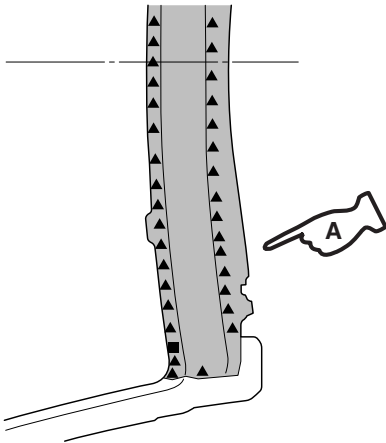
ROOF<ECLIPSE SPYDER>

M4030011000666



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
+ + + +	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

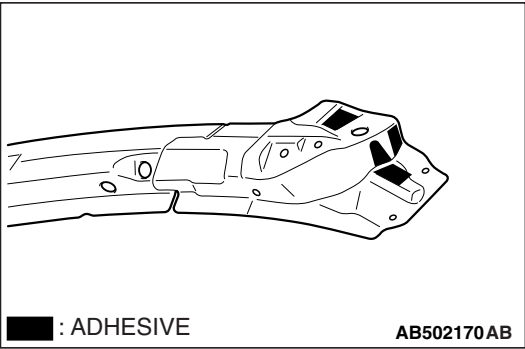
REPAIR WELDS



INSTALLATION

When assembling the new roof front rail parts, apply in advance adhesives to the areas shown in the figure of the instructions.

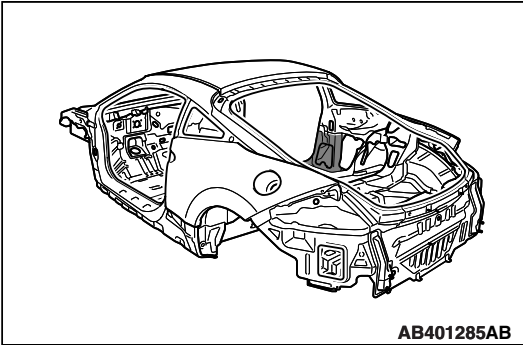
ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



NOTES

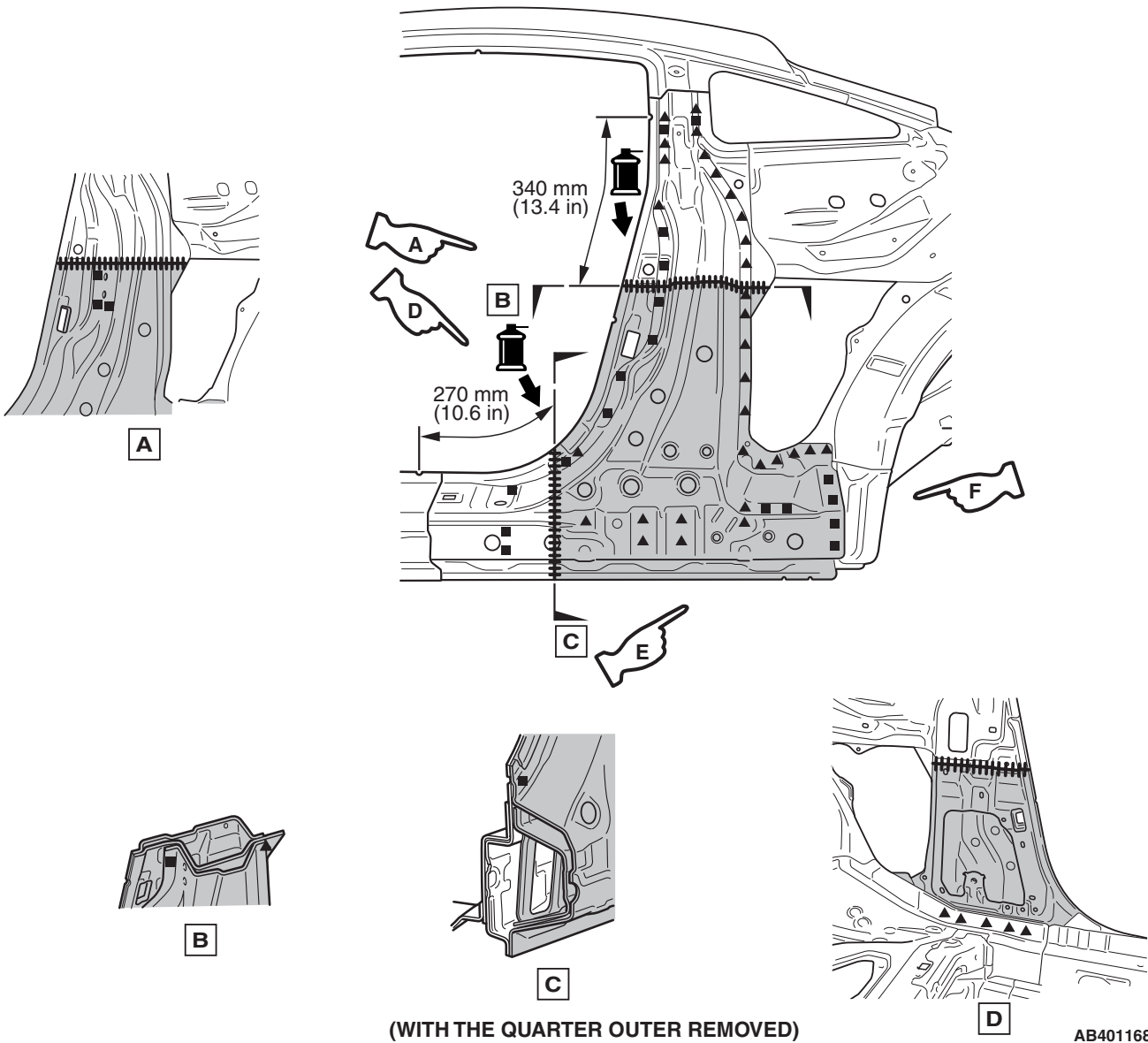
CENTER PILLAR REINFORCEMENT <ECLIPSE>

M4030001300031

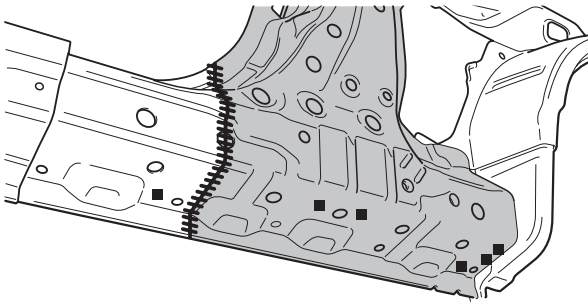


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS

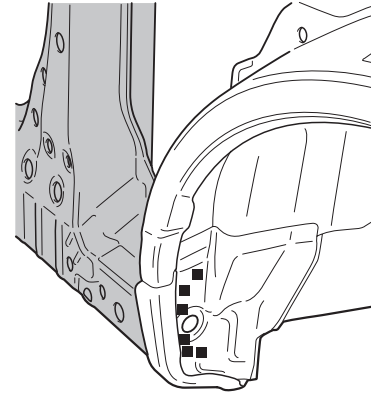


NOTE: Refer to the Quarter Outer section on P.3-42 for the welding points with the quarter outer.



E

(WITH THE QUARTER OUTER REMOVED)

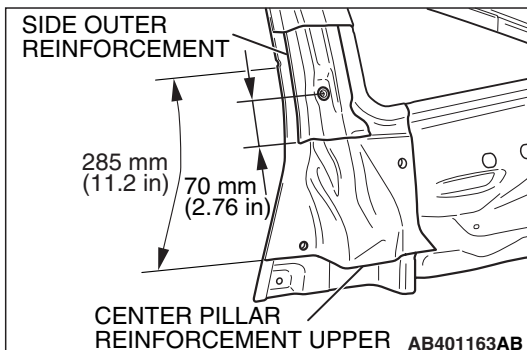


F

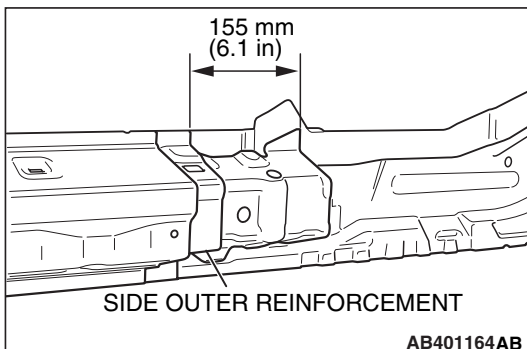
AB401169AB

NOTE ON REPAIR WORK

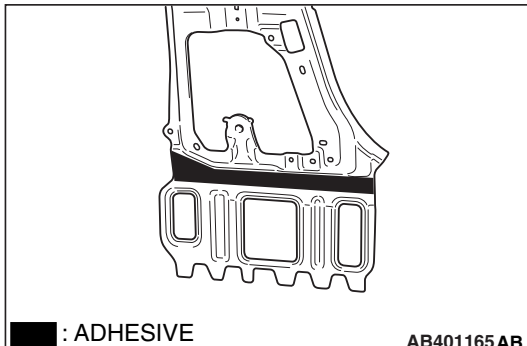
INSTALLATION



1. To reinforce the strength of the center pillar cut area, cut the side outer reinforcement 70 mm (2.76 inches) downward of the quarter glass clip mounting hole, and cut the center pillar reinforcement upper 285 mm (11.2 inches) downward of the notch.



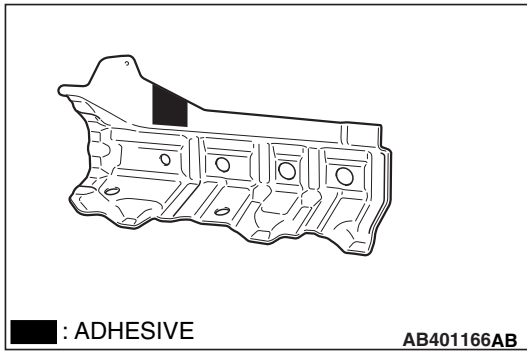
2. To reinforce the strength of the side sill cut area, cut only the side outer reinforcement 155 mm (6.1 inches) forward of the cut area.



3. When assembling the new center pillar seat belt reinforcement parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

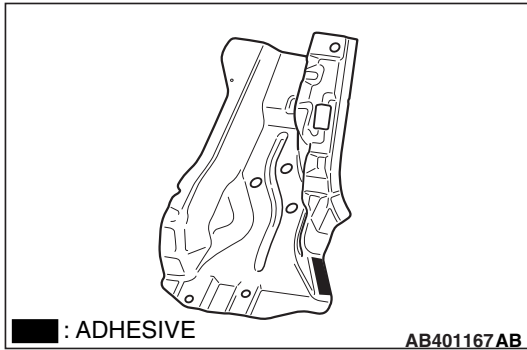
BRAND: 3M™ AAD Part No.8115 or equivalent



4. When assembling the new side sill reinforcement parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



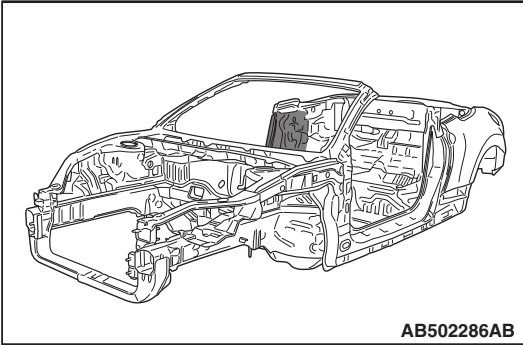
5. When assembling the new center pillar reinforcement upper parts, apply in advance adhesives to the areas shown in the figure of the instructions.


ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

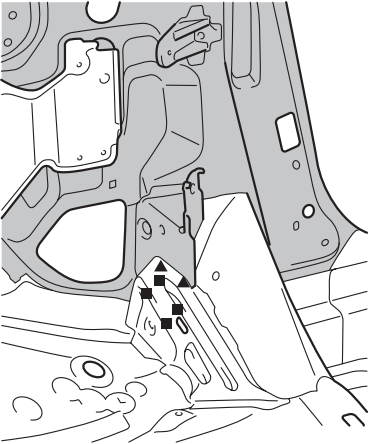
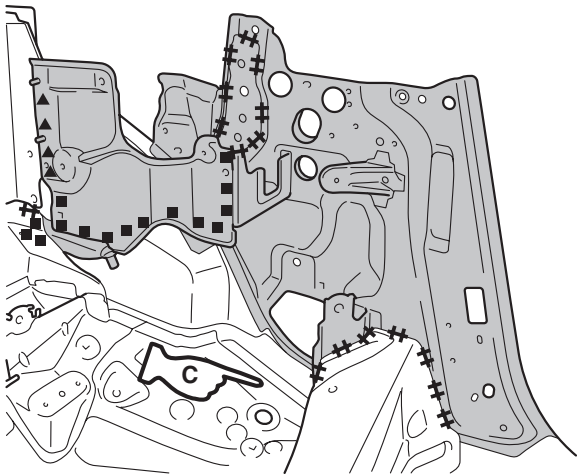
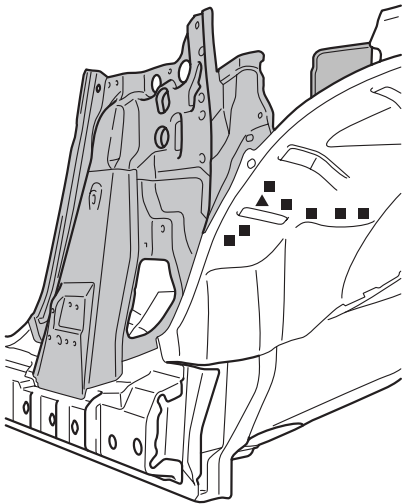
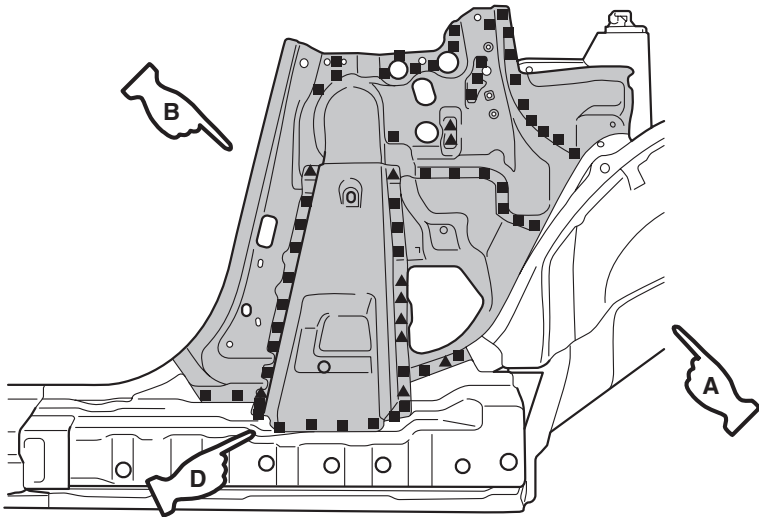
NOTES

CENTER PILLAR REINFORCEMENT <ECLIPSE SPYDER>



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■ : indicates two panels to be welded ▲ : indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
○○○○○○	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

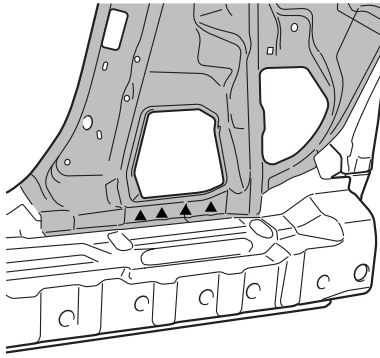
REPAIR WELDS



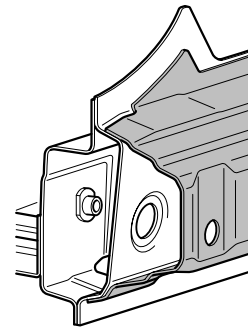
(WITH THE QUARTER OUTER REMOVED)

AB502288AB

NOTE: Refer to the Quarter Outer section on P.3-44 for the welding points with the quarter outer.

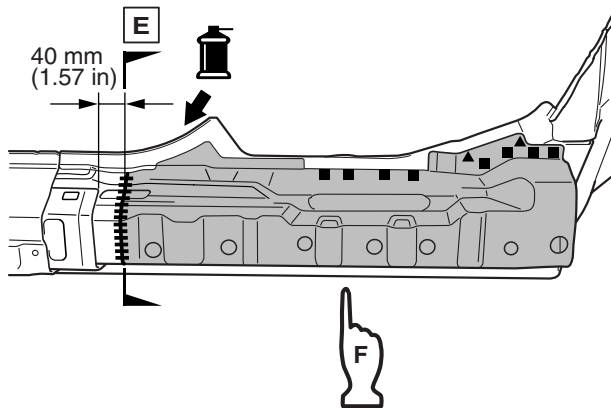


D

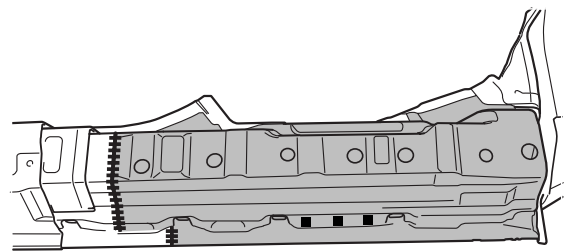


E

(WITH THE CENTER PILLAR REINFORCEMENT UPPER REMOVED)



(WITH THE REAR QUARTER INNER PANEL FRONT REMOVED)



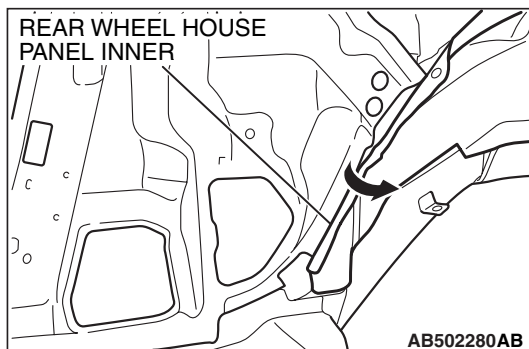
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AB502289AB

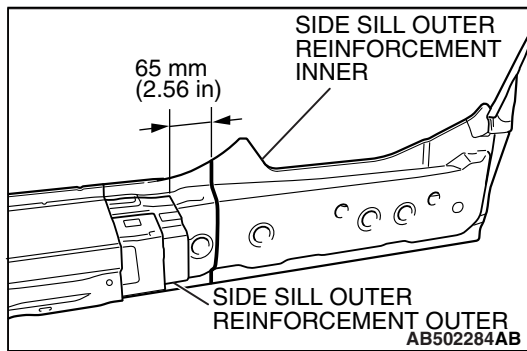
NOTE ON REPAIR WORK

REMOVAL

1. When removing the rear quarter inner panel front, bend the part shown of the rear wheel house panel inner toward the outside of the vehicle because the rear quarter inner panel front interferes with the rear wheel house panel inner.



AB502280AB



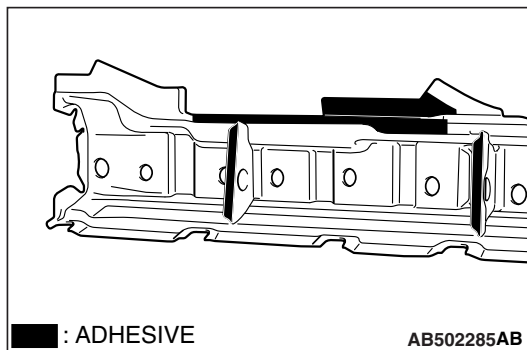
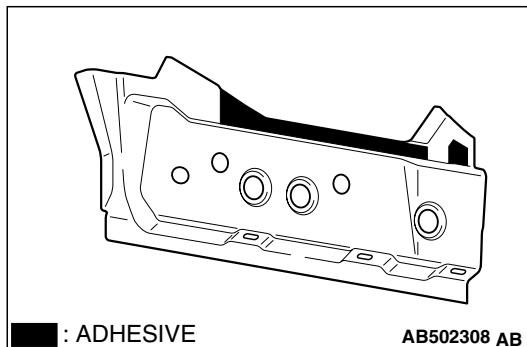
2. To reinforce the strength of the side sill reinforcement cut area, cut the side sill outer reinforcement inner 65 mm (2.56 inches) behind the side sill outer reinforcement outer cut area.

INSTALLATION

1. When assembling the new side sill outer reinforcement inner part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

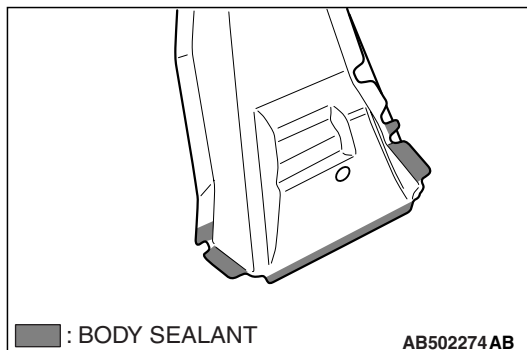
BRAND: 3M™ AAD Part No.8115 or equivalent



2. When assembling the new side sill reinforcement parts, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

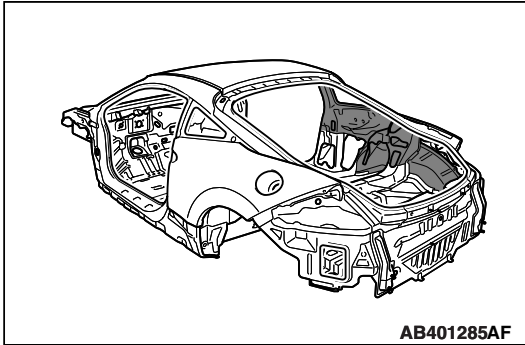
BRAND: 3M™ AAD Part No.8115 or equivalent



3. When assembling the new center pillar reinforcement upper parts, apply in advance body sealant to the areas shown in the figure of the instructions.

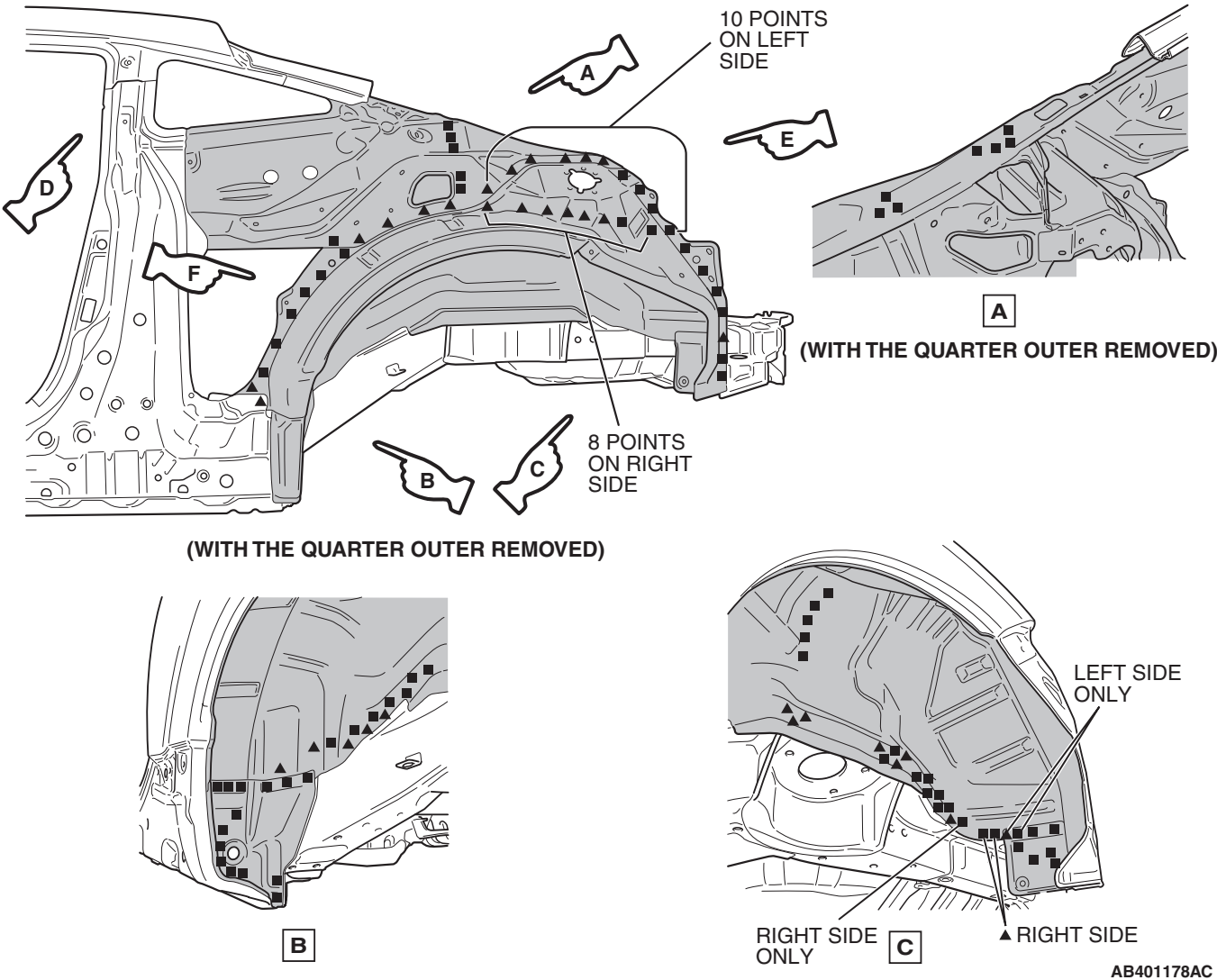
NOTES

QUARTER INNER <ECLIPSE>

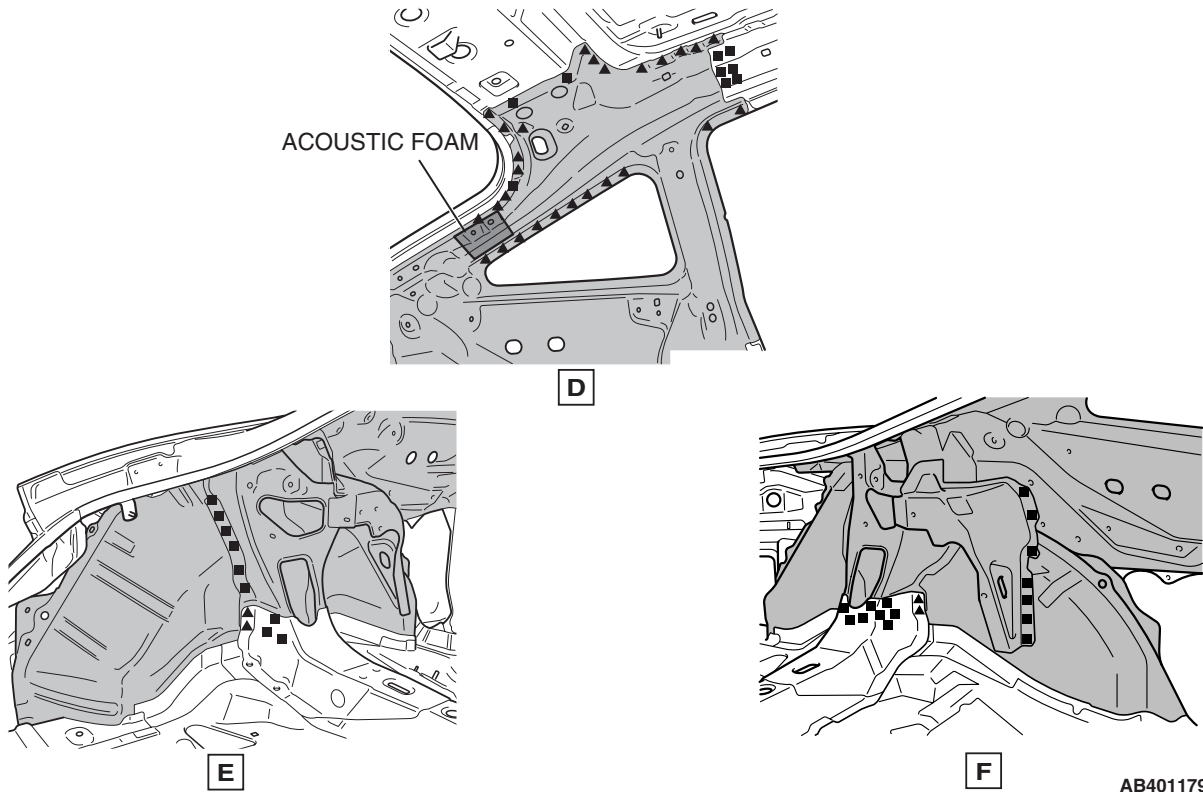


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



NOTE: Refer to the Quarter Outer section on P.3-42 for the welding points with the quarter outer.



AB401179AB

CAUTION

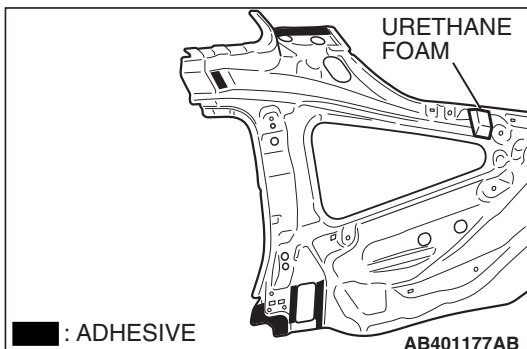
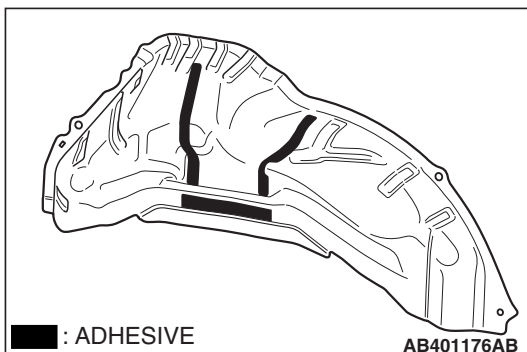
When repairing the area using foam materials do not use firing tools since the foaming materials may burn.

NOTE ON REPAIR WORK

INSTALLATION

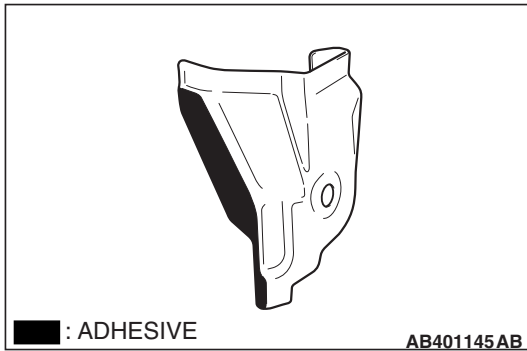
1. When installing the new rear wheelhouse inner panel, apply adhesives to the mating areas of the rear shelf brace and spring house bracket.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



2. When installing the new rear quarter inner panel upper, apply in advance adhesives to the areas shown in the figure at the instructions. Also, in order to prevent the foam materials from dropping, stick the urethane foam to fill the inside of the pillar.

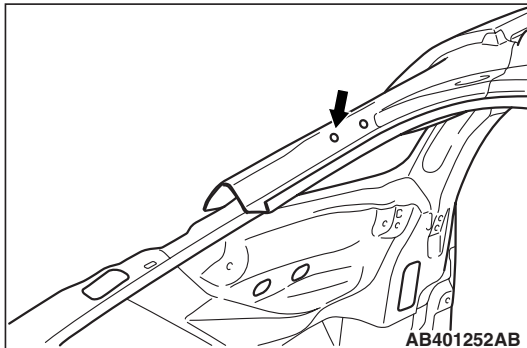
ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



3. When assembling the new rear wheel house shield plate front parts, apply in advance adhesives to the areas shown in the figure of the instructions.

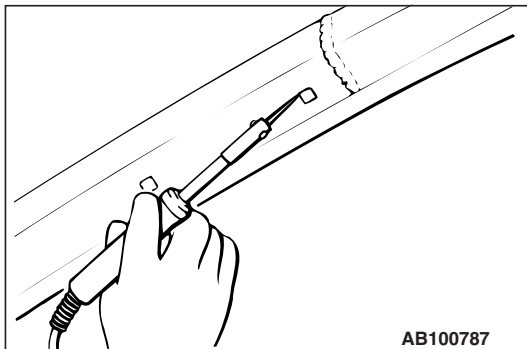
ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



4. Assemble the rear quarter inner panel upper, bolt and tape the hole and flange with aluminum tape, then fill the hole with foam materials as shown in the figure of the instructions.

FOAM: 3M™ AAD ULTRAPRO Panel foam-Yellow

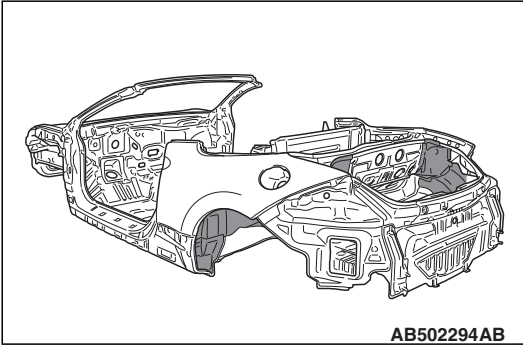


5. Wait 2 hours after filling the foam materials to remove the bolt and aluminum tape. Then melt the foam materials with a soldering gun so a clip, etc. can thoroughly be inserted in the hole that was clogged with foam materials, to bore open the hole.

NOTES

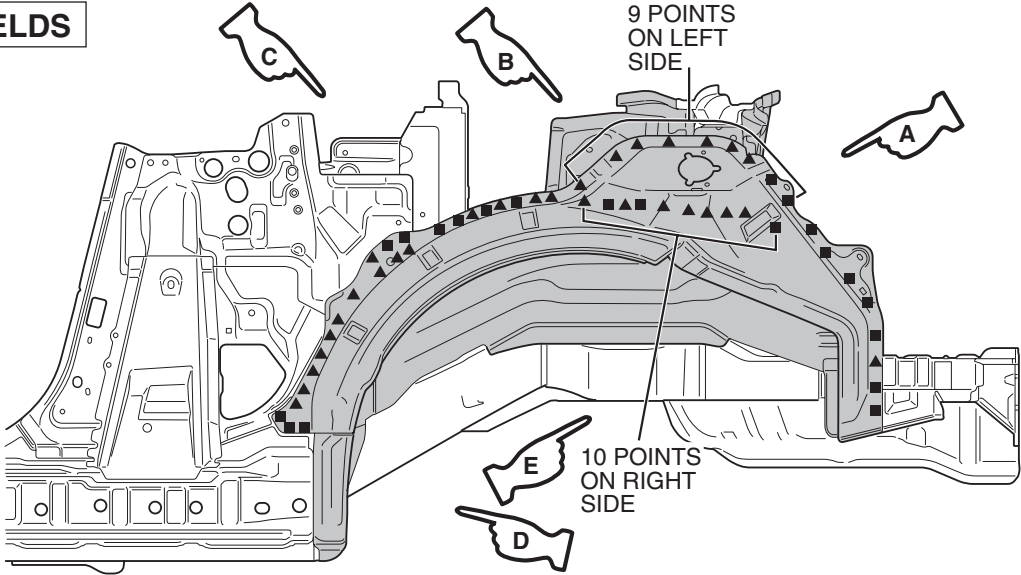
QUARTER INNER <ECLIPSE SPYDER>

M4030012000539

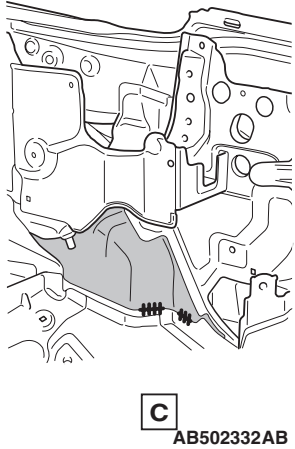
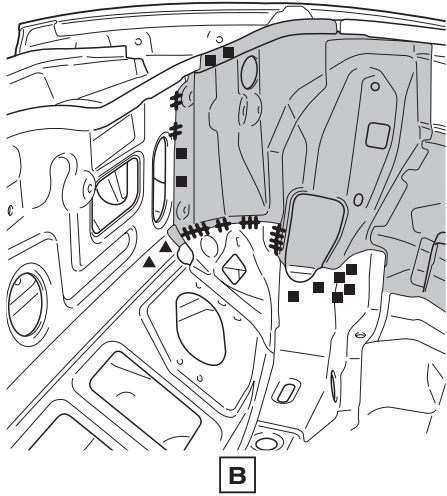
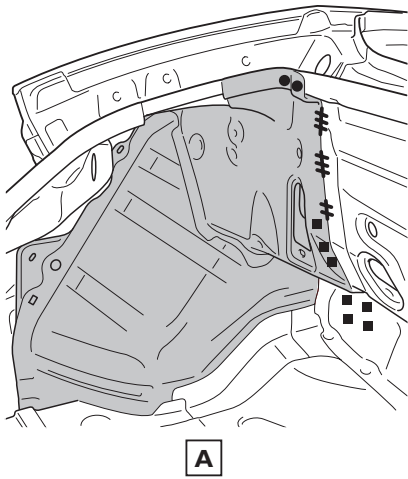


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

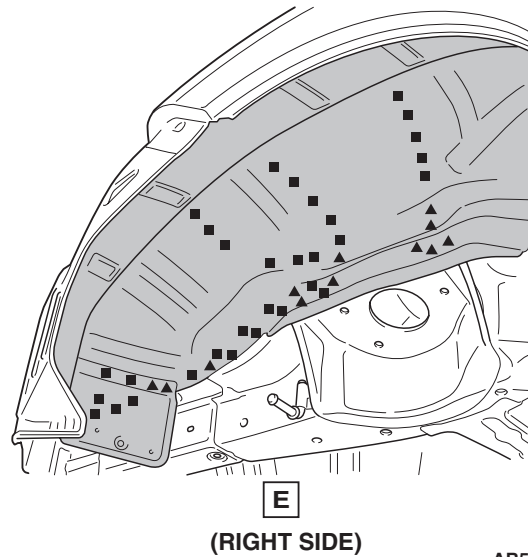
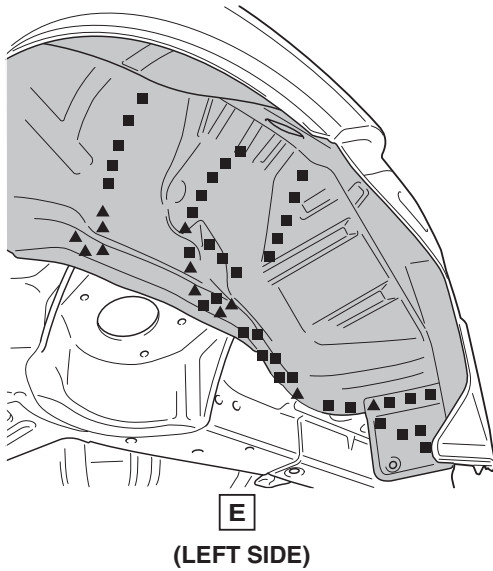
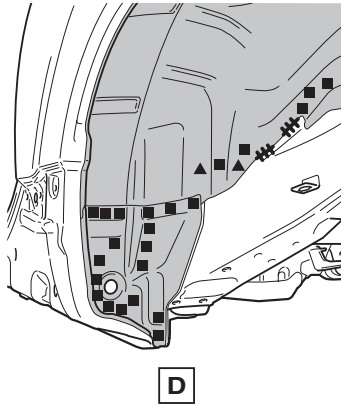
REPAIR WELDS



(WITH THE QUARTER OUTER REMOVED)



NOTE: Refer to the Quarter Outer section on [P.3-44](#) for the welding points with the quarter outer.



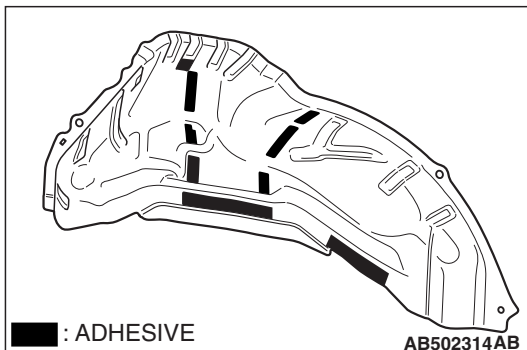
AB502333AB

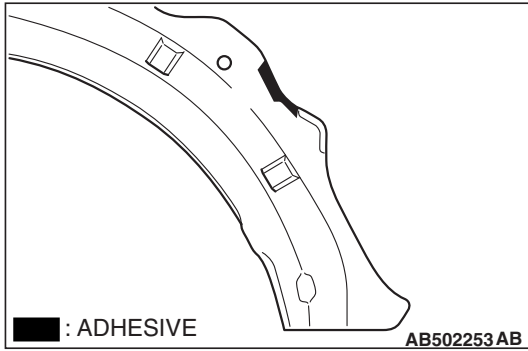
NOTE ON REPAIR WORK

INSTALLATION

1. When installing the new rear wheelhouse inner panel, apply adhesives to the mating areas of the rear shelf brace and spring house bracket.

ADHESIVE: Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent

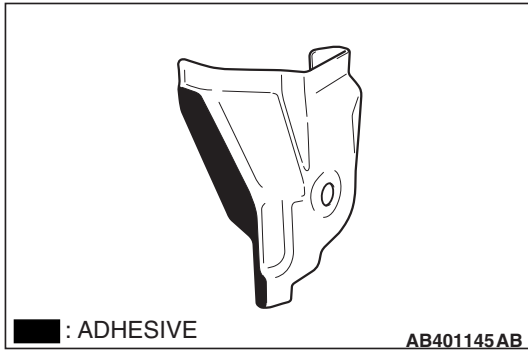




2. When assembling the new rear quarter inner panel lower part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent



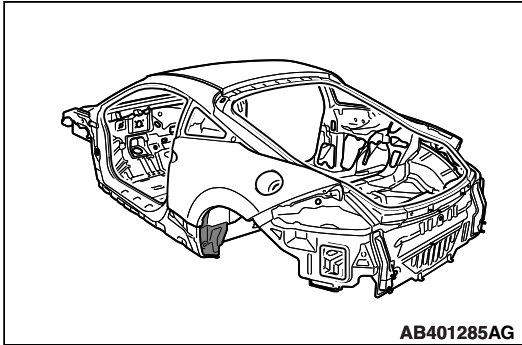
3. When assembling the new rear wheel house shield plate front part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

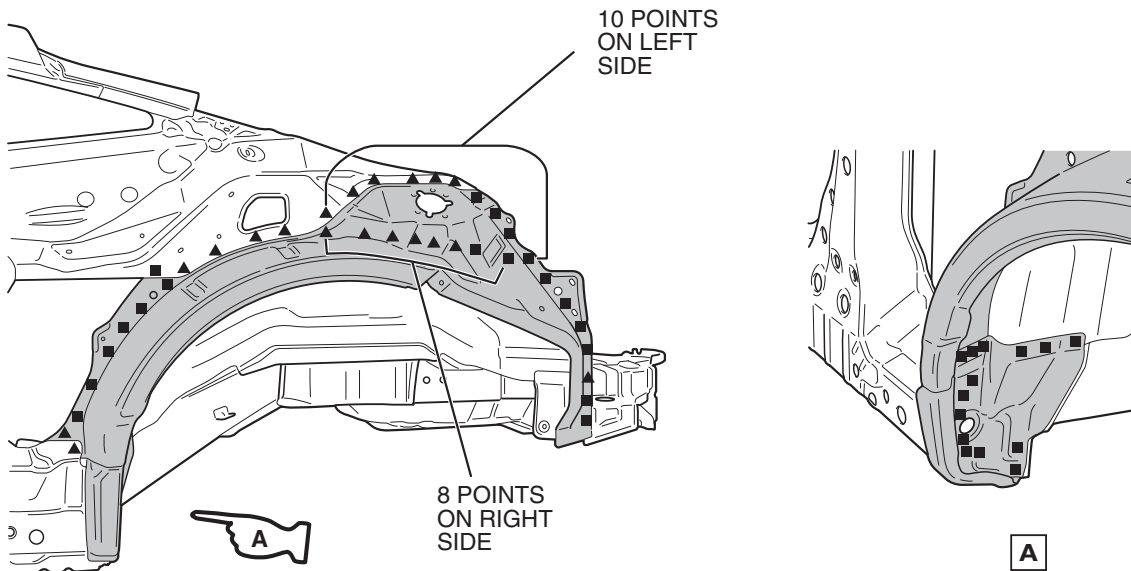
M4030001100156

QUARTER INNER LOWER <ECLIPSE>



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
oooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



(WITH THE QUARTER OUTER REMOVED)

AB401146AC

NOTE: Refer to the Quarter Outer section on [P.3-42](#) for the welding points with the quarter outer.

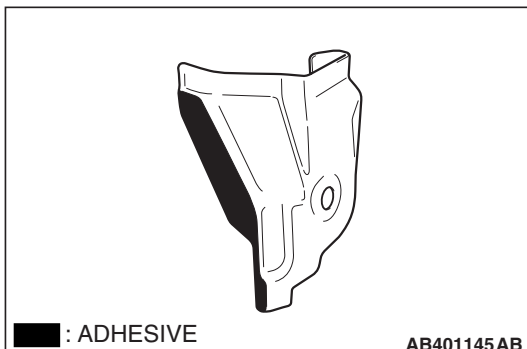
NOTE ON REPAIR WORK

INSTALLATION

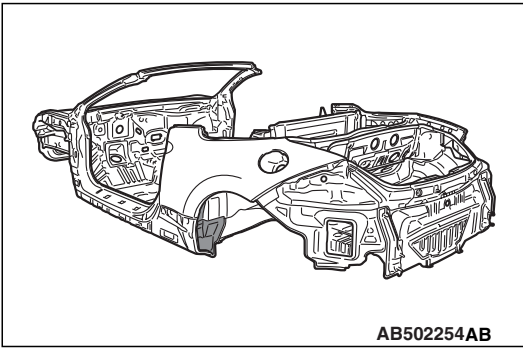
When assembling the new rear wheelhouse shield plate front parts, apply in advance adhesives to the areas shown in the figure of the instructions.


ADHESIVE: Epoxyayresin adhesive

BRAND: 3M™ AAD Part No.8115 or equivalent

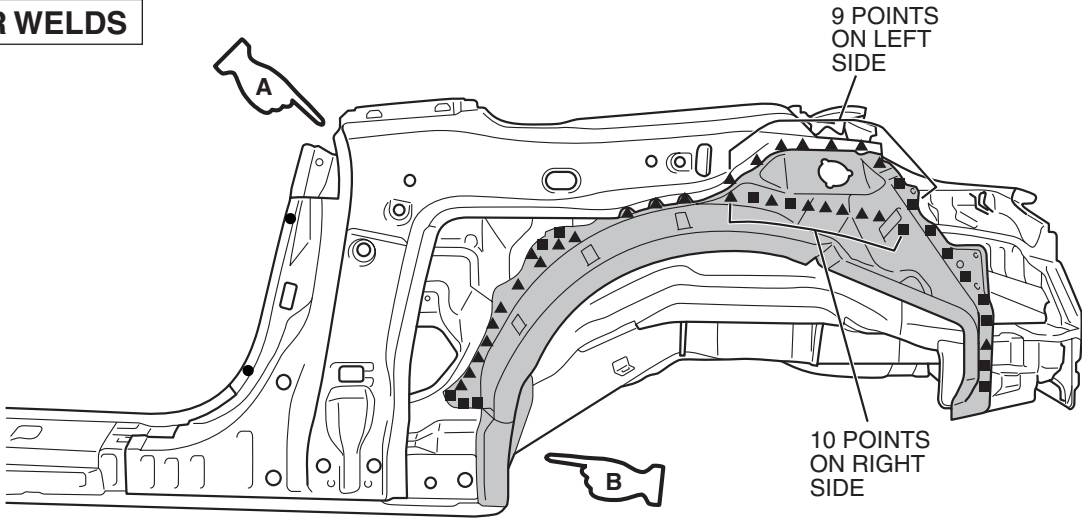


QUARTER INNER LOWER <ECLIPSE SPYDER>

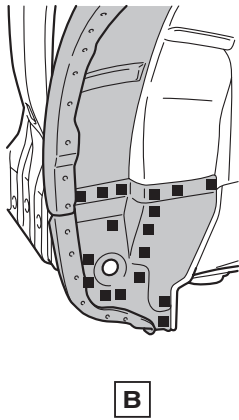
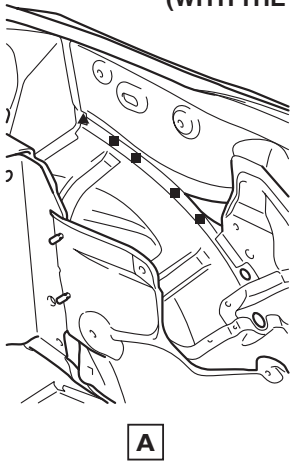


SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



(WITH THE QUARTER OUTER REMOVED)



AB502255AB

NOTE: Refer to the Quarter Outer section on [P.3-44](#) for the welding points with the quarter outer.

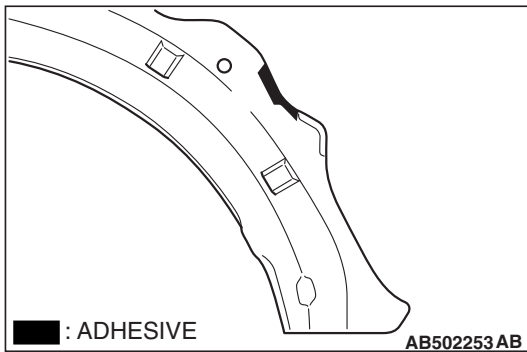
NOTE ON REPAIR WORK

INSTALLATION

1. When assembling the new rear quarter inner panel lower part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Epoxyayresin adhesive

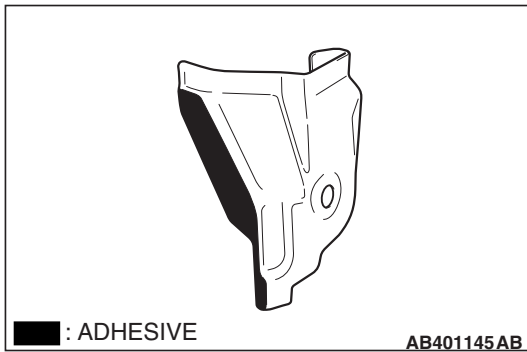
BRAND: 3M™ AAD Part No.8115 or equivalent



2. When assembling the new rear wheelhouse shield plate front part, apply in advance adhesives to the areas shown in the figure of the instructions.

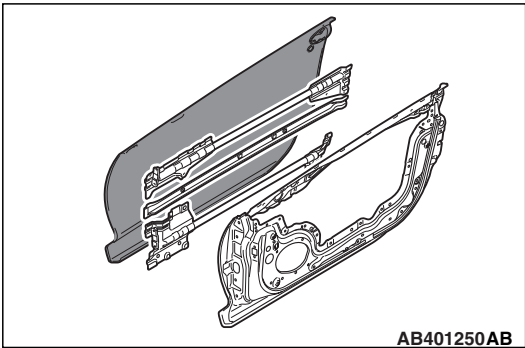
ADHESIVE: Epoxyayresin adhesive


BRAND: 3M™ AAD Part No.8115 or equivalent



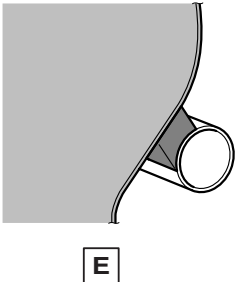
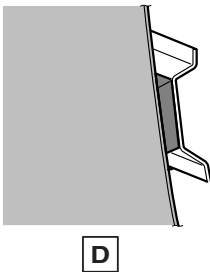
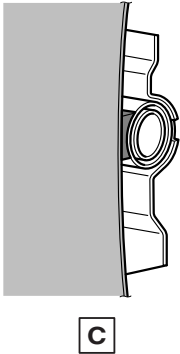
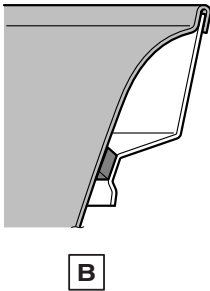
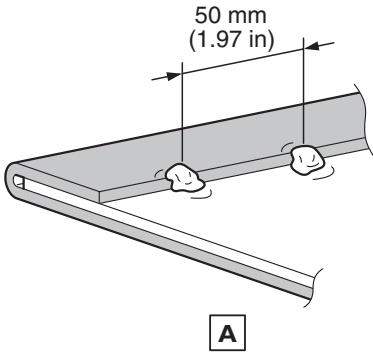
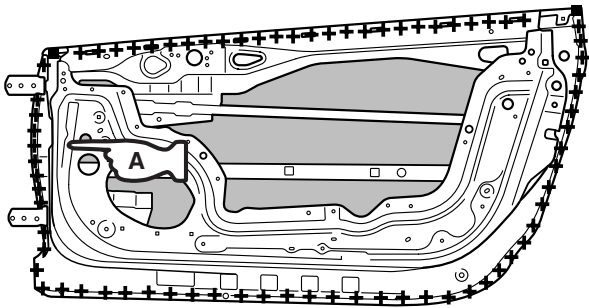
FRONT DOOR OUTER PANEL (WELDED TYPE)

M4030001500013



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■ : indicates two panels to be welded ▲ : indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
○○○○○○	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



■ : ADHESIVE

ADHESIVE : Urethane body sealer

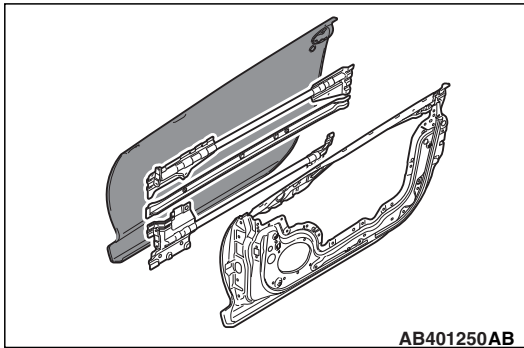
BRAND: 3M™ AAD Part No.8542 or equivalent

AB401278AB

NOTE: After hemming the front door outer panel, MIG spot weld the flange overlap section at a pitch of 50 mm (1.97 inches).

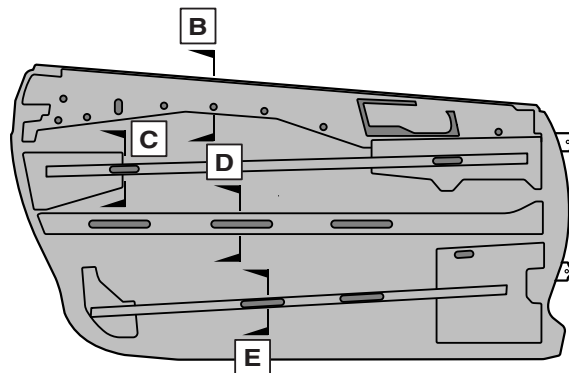
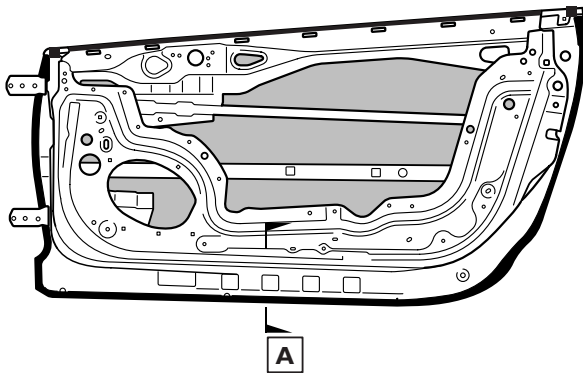
FRONT DOOR OUTER PANEL (ADHESION TYPE)

M4030001700017



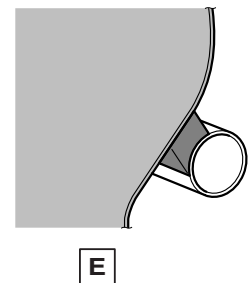
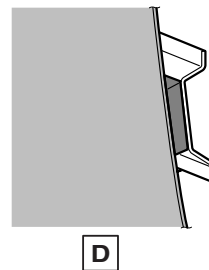
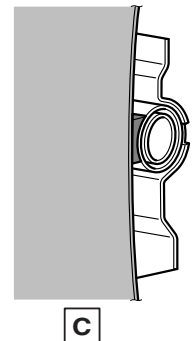
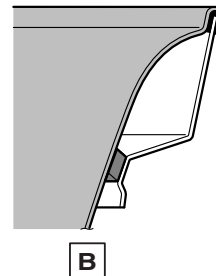
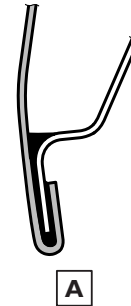
SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■ : indicates two panels to be welded ▲ : indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
○○○○○○	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



■ : ADHESIVE 1
■ : ADHESIVE 2

- **ADHESIVE 1:** Urethane body sealer
BRAND: 3M™ AAD Part No.8542 or equivalent
- **ADHESIVE 2:** Epoxyayresin adhesive
BRAND: 3M™ AAD Part No.8115 or equivalent



AB502378 AB

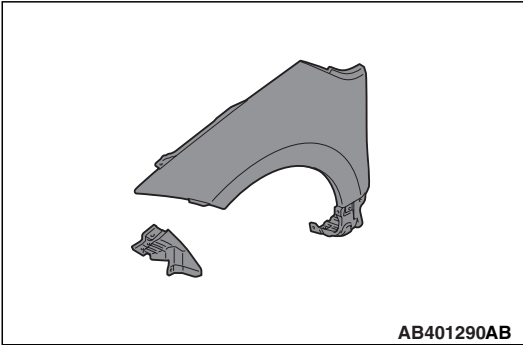
NOTE ON REPAIR WORK


INSTALLATION

1. When installing the front door outer panel, grind the bonding surface and remove the paint to improve adhesion. Then, degrease the front door outer panel.
2. Install the front door outer panel and hem it. Then, wipe off the adhesive that squeezed out.

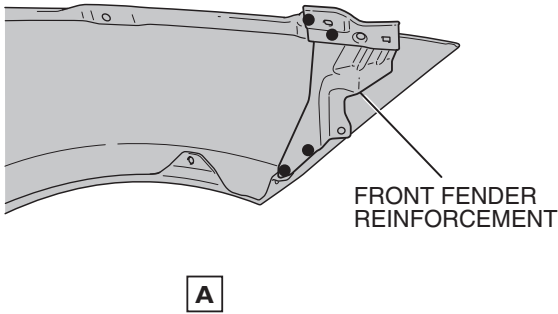
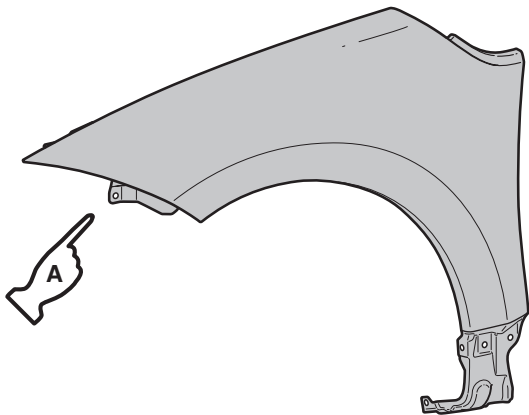
FRONT FENDER <ECLIPSE>

M4030001400038



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



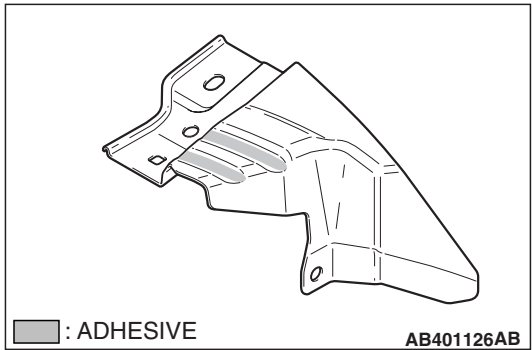
AB401277AB

NOTE ON REPAIR WORK

REMOVAL

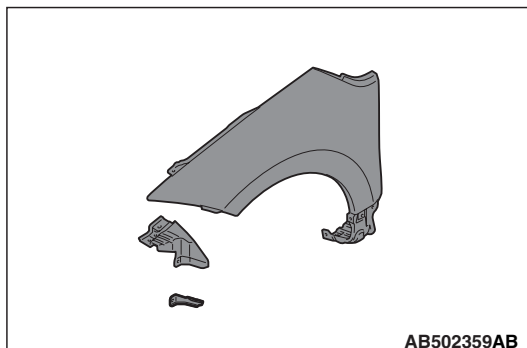
When assembling the new front fender reinforcement part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Urethane body sealer
BRAND: 3M™ AAD Part No.8542 or equivalent



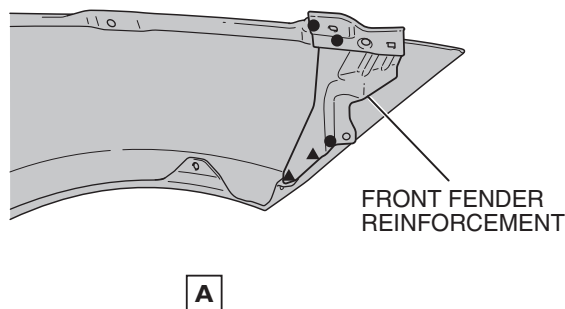
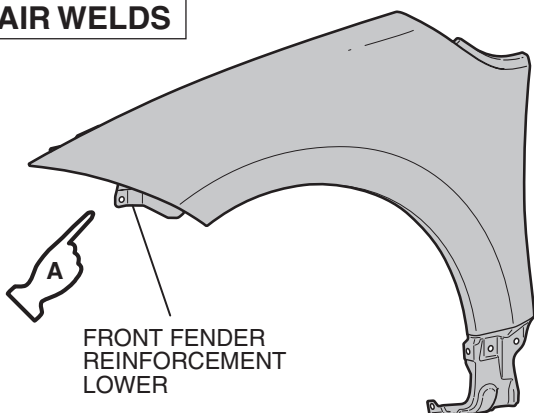
FRONT FENDER <ECLIPSE SPYDER>

M4030001400027



SYMBOL	OPERATION DESCRIPTION
● ● ● ●	Spot welding
■ ■ ▲ ▲	MIG plug welding (■: indicates two panels to be welded ▲: indicates three panels to be welded)
++++	MIG spot welding
	MIG arc welding (continuous)
ooooooo	Braze welding
	Anti-corrosion agent application locations (Use access holes to apply liberally to butt-welded joints.)

REPAIR WELDS



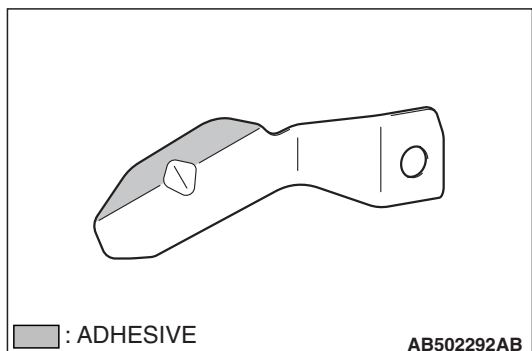
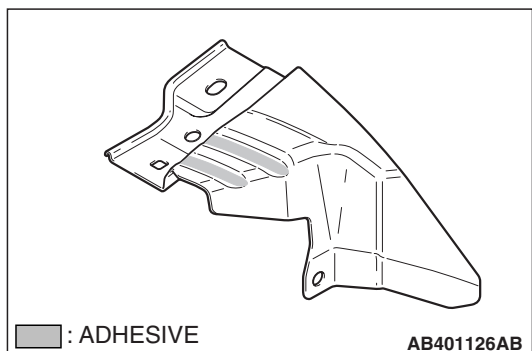
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NOTE ON REPAIR WORK

REMOVAL

1. When assembling the new front fender reinforcement part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Urethane body sealer
BRAND: 3M™ AAD Part No.8542 or equivalent



2. When assembling the new front fender reinforcement lower part, apply in advance adhesives to the areas shown in the figure of the instructions.

ADHESIVE: Urethane body sealer
BRAND: 3M™ AAD Part No.8542 or equivalent

NOTES