

SECTION **BRM**  
BODY REPAIR

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# BODY EXTERIOR PAINT COLOR

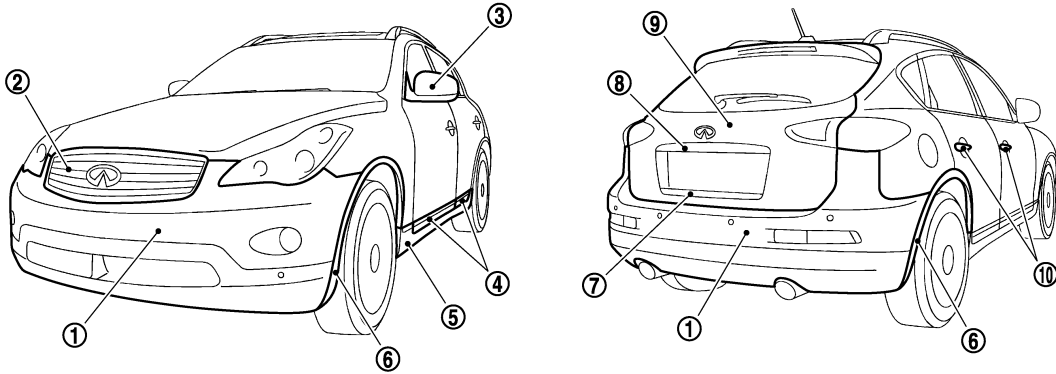
< VEHICLE INFORMATION >

## VEHICLE INFORMATION

### BODY EXTERIOR PAINT COLOR

Body Exterior Paint Color

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Component		Color code	BK23	BKH3	BQAA	BKAD	BNAB	BFAH	
		Description	Silver	Black	White	Gray	Dark Red	Light Blue	
		Paint type <sup>note</sup>	M	2S	3P	M	P	TM	
		Hard clear coat	-	×	-	-	×	-	
1	Bumper fascia	Body color	BK23	BKH3	BQAA	BKAD	BNAB	BFAH	
		Material color	-	-	-	-	-	-	
2	Front grille	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	
3	Door outside mirror	Cover	Body color	BK23	BKH3	BQAA	BKAD	BNAB	BFAH
4	Side guard molding	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	
		Material color	-	-	-	-	-	-	
5	Center mud-guard	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	
		Material color	-	-	-	-	-	-	
6	Fillet molding	Material color	-	-	-	-	-	-	
7	Center back door finisher	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	
8	Back door finisher	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	
9	Back door	Body color	BK23	BKH3	BQAA	BKAD	BNAB	BFAH	
10	Door outside handle	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	

**NOTE:**

- S: Solid
- 2S: Solid + Clear
- CS: Color clear solid
- M: Metallic

# BODY EXTERIOR PAINT COLOR

## < VEHICLE INFORMATION >

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- P: 2-Coat pearl
- 3P: 3-Coat pearl
- FPM: Iron oxide pearl
- RPM: Multi flex color
- TPM: Titanium pearl metallic
- TM: Micro titanium metallic
- PM: Pearl metallic

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# REPAIRING HIGH STRENGTH STEEL

< PRECAUTION >

## PRECAUTION

### REPAIRING HIGH STRENGTH STEEL

#### High Strength Steel (HSS)

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High strength steel is used for body panels in order to reduce vehicle weight.

Accordingly, precautions in repairing automotive bodies made of high strength steel are described below:

Tensile strength	Major applicable parts
370 - 590 MPa	<ul style="list-style-type: none"> <li>• Front strut housing</li> <li>• Hoodledge reinforcement</li> <li>• Upper front hoodledge</li> <li>• Lower dash</li> <li>• Lower dash crossmember assembly</li> <li>• Front roof rail</li> <li>• Upper inner front pillar assembly</li> <li>• Inner center pillar</li> <li>• Inner sill</li> <li>• Upper &amp; lower outer rear wheelhouse extension</li> <li>• Center front floor</li> <li>• Front floor (Component part)</li> <li>• Front &amp; rear side member assembly</li> <li>• Front side member closing plate assembly</li> <li>• Front side member outrigger assembly</li> <li>• Front side member rear extension</li> <li>• Rear seat crossmember</li> <li>• Other reinforcements</li> </ul>
780 - 1350 MPa	<ul style="list-style-type: none"> <li>• Center pillar reinforcement (Component part)</li> <li>• Inner center pillar (Component part)</li> <li>• Outer side roof rail reinforcement</li> <li>• Outer sill reinforcement (Component part)</li> </ul>

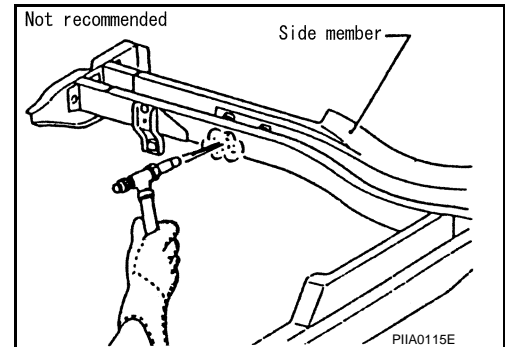
Read the following precautions when repairing HSS:

1. Additional points to consider

- The repair of reinforcements (such as side members) by heating is not recommended because it may weaken the component. When heating is unavoidable, never heat HSS parts above 550°C (1,022°F).

Verify heating temperature with a thermometer.

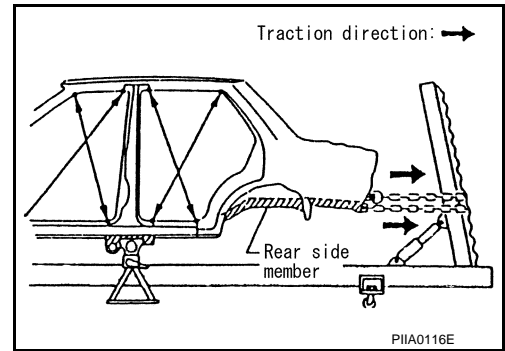
(Crayon-type and other similar type thermometer are appropriate.)



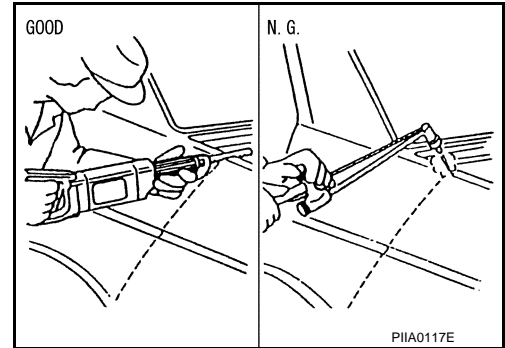
# REPAIRING HIGH STRENGTH STEEL

## < PRECAUTION >

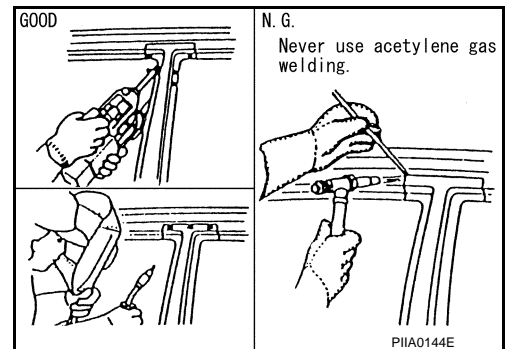
- When straightening body panels, use caution in pulling any HSS panel. Because HSS is very strong, pulling may cause deformation in adjacent sections of the body. In this case, increase the number of measuring points, and carefully pull the HSS panel.



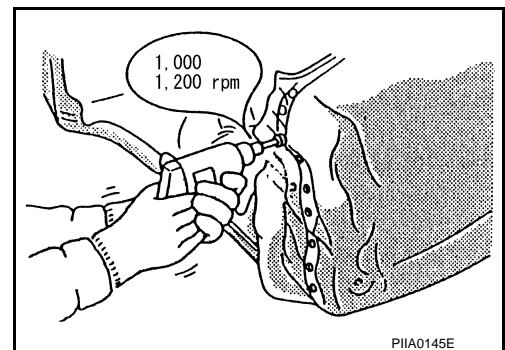
- When cutting HSS panels, avoid gas (torch) cutting if possible. Instead, use a saw to avoid weakening surrounding areas due to heat. If gas (torch) cutting is unavoidable, allow a minimum margin of 50 mm (1.97 in).



- When welding HSS panels, use spot welding whenever possible in order to minimize weakening surrounding areas due to heat. If spot welding is impossible, use MIG. welding. Do not use gas (torch) for welding because it is inferior in welding strength.



- Spot welding on HSS panels is harder than that of an ordinary steel panel. Therefore, when cutting spot welds on a HSS panel, use a low speed high torque drill (1,000 to 1,200 rpm) to increase drill bit durability and facilitate the operation.



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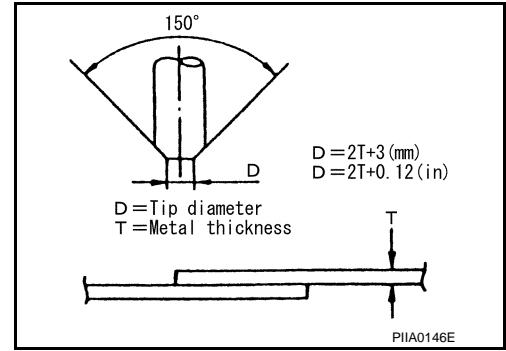
# REPAIRING HIGH STRENGTH STEEL

## < PRECAUTION >

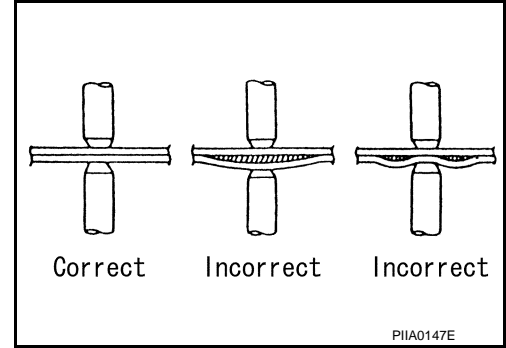
### 2. Precautions in spot welding HSS

This work should be performed under standard working conditions. Always note the following when spot welding HSS:

- The electrode tip diameter must be sized properly according to the metal thickness.



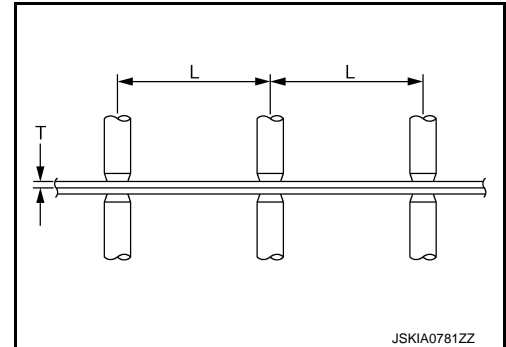
- The panel surfaces must fit flush to each other, leaving no gaps.



- Follow the specifications for the proper welding pitch.

Unit: mm (in)

Thickness (T)	Minimum pitch (L)
0.6 (0.024)	10 (0.39) or more
0.8 (0.031)	12 (0.47) or more
1.0 (0.039)	18 (0.71) or more
1.2 (0.047)	20 (0.79) or more
1.6 (0.063)	27 (1.06) or more
1.8 (0.071)	31 (1.22) or more



# REPAIRING MATERIAL

< PREPARATION >

## PREPARATION

### REPAIRING MATERIAL

#### Foam Repair

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During factory body assembly, foam insulators are installed in certain body panels and locations around the vehicle. Use the following procedure(s) to replace any factory-installed foam insulators.

#### URETHANE FOAM APPLICATIONS

Use commercially available Urethane foam for sealant (foam material) repair of material used on vehicle.

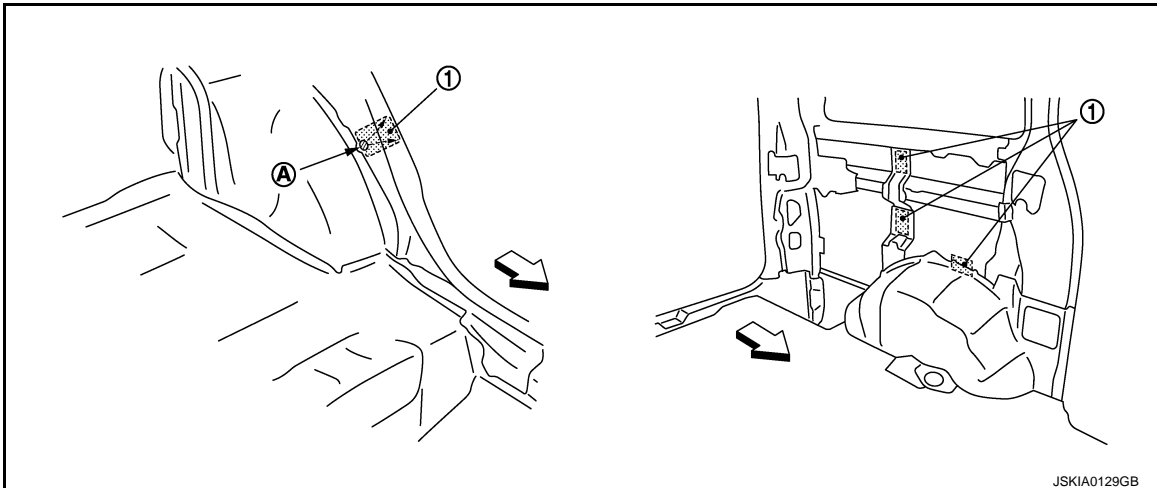
<Urethane foam for foaming agent>

**3M™ Automix™ Flexible Foam 08463 or equivalent**

Read instructions on product for fill procedures.

Example of foaming agent filling operation procedure

1. Fill procedures after installation of service part.
  - a. Eliminate foam material remaining on vehicle side.
  - b. Clean area after eliminating form insulator and foam material.
  - c. Install service part.
  - d. Insert nozzle into hole near fill area and fill foam material or fill enough to close gap with the service part.



1. Urethane foam
  - A. Nozzle insert hole
- ⇐: Vehicle front

2. Fill procedures before installation of service part.
  - a. Eliminate foam material remaining on vehicle side.
  - b. Clean area after eliminating foam insulator and foam material.
  - c. Fill foam material on wheelhouse outer side.

# REPAIRING MATERIAL

## < PREPARATION >

- 1. Urethane foam
  - A. Fill while avoiding flange area
- ← Vehicle front

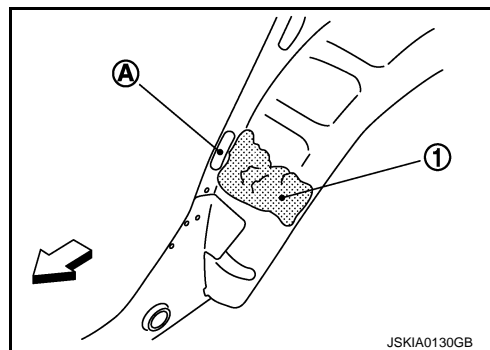
**NOTE:**

Fill enough to close gap with service part while avoiding flange area.

- d. Install service part.

**NOTE:**

Refer to label for information on working times.





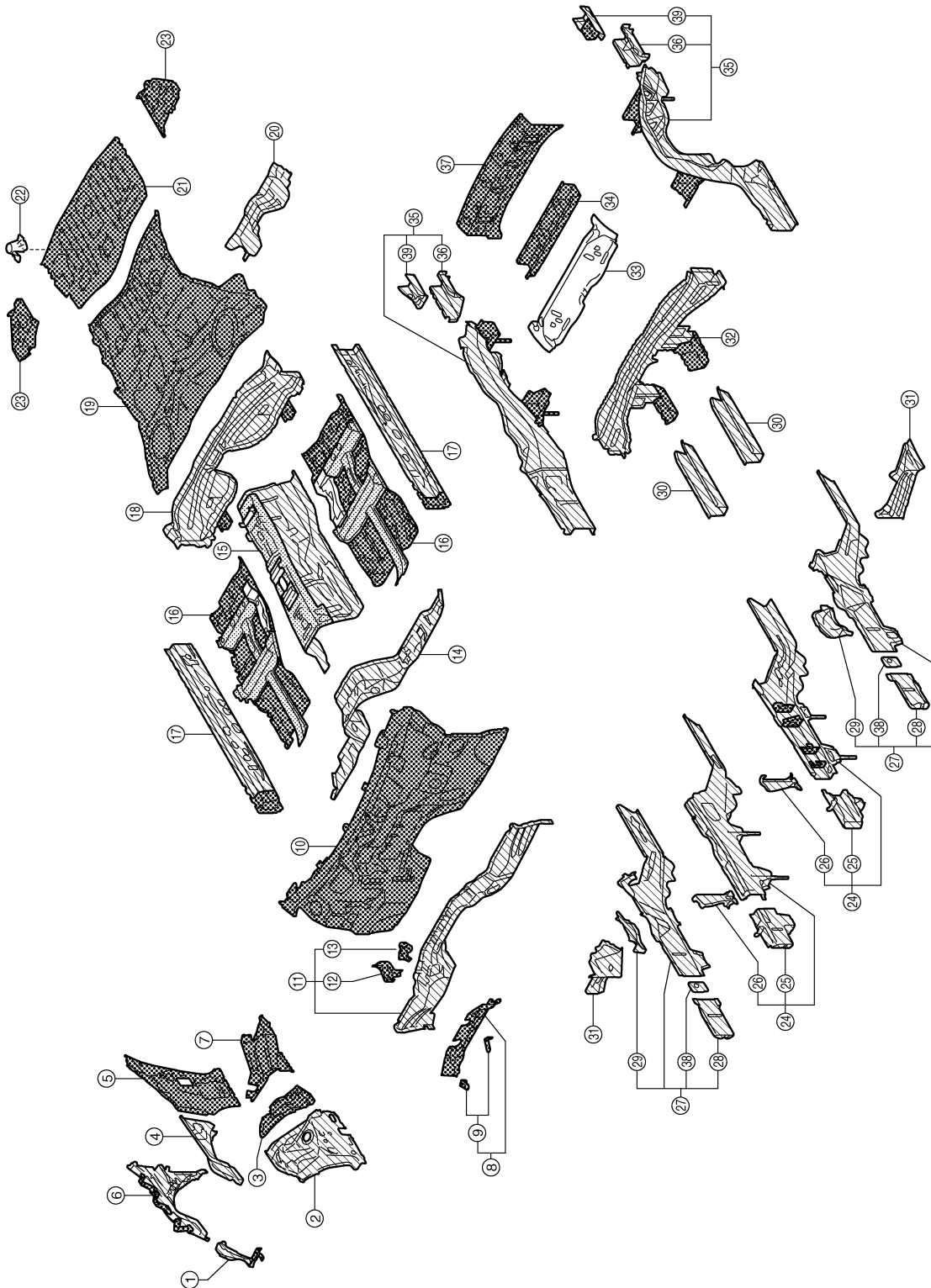
# BODY COMPONENT PARTS

< PREPARATION >

## BODY COMPONENT PARTS

### Underbody Component Parts

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|---|-----------------------------------|--------------------------------------|
| 1. Radiator core support assembly (RH & LH) | 2. Front strut housing (RH & LH)  | 3. Lower rear hoodledge (RH & LH)    |
| 4. Upper front hoodledge (RH & LH)          | 5. Upper rear hoodledge (RH & LH) | 6. Hoodledge reinforcement (RH & LH) |


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
# BODY COMPONENT PARTS

## < PREPARATION >

- |   |  |   |
|---|--|---|
| 7. Upper side cowl top (RH & LH)                    | 8. Upper front cowl top assembly                     | 9. Cowl top bracket (RH & LH)                                   |
| 10. Upper dash                                      | 11. Lower dash crossmember assembly                  | 12. Lower outer battery support bracket                         |
| 13. Lower battery support bracket                   | 14. Lower dash                                       | 15. Center front floor  |
| 16. Front floor (RH & LH)                           | 17. Inner sill (RH & LH)                             | 18. Rear seat crossmember reinforcement assembly                |
| 19. Rear floor front                                | 20. Rear floor seat belt anchor reinforcement        | 21. Rear floor rear   |
| 22. Spare tire clamp bracket                        | 23. Rear floor side (RH & LH)                        | 24. Front side member assembly (RH & LH)                        |
| 25. Front side member front extension (RH & LH)     | 26. Front side member connector assembly (RH & LH)   | 27. Front side member closing plate assembly (RH & LH)          |
| 28. Front side member front closing plate (RH & LH) | 29. Front side member center closing plate (RH & LH) | 30. Front side member rear extension (RH & LH)                  |
| 31. Front side member outrigger assembly (RH & LH)  | 32. Rear seat crossmember                            | 33. 2nd rear crossmember  |
| 34. Rear crossmember center assembly                | 35. Rear side member assembly (RH & LH)              | 36. Rear side member extension (RH & LH)                        |
| 37. Rear end crossmember assembly                   | 38. Front side rear closing reinforcement (RH & LH)  | 39. Rear side member extension reinforcement assembly (RH & LH) |

 Both sided anti-corrosive precoated steel sections

 High strength steel (HSS) sections

 Both sided anti-corrosive steel and HSS sections

### NOTE:

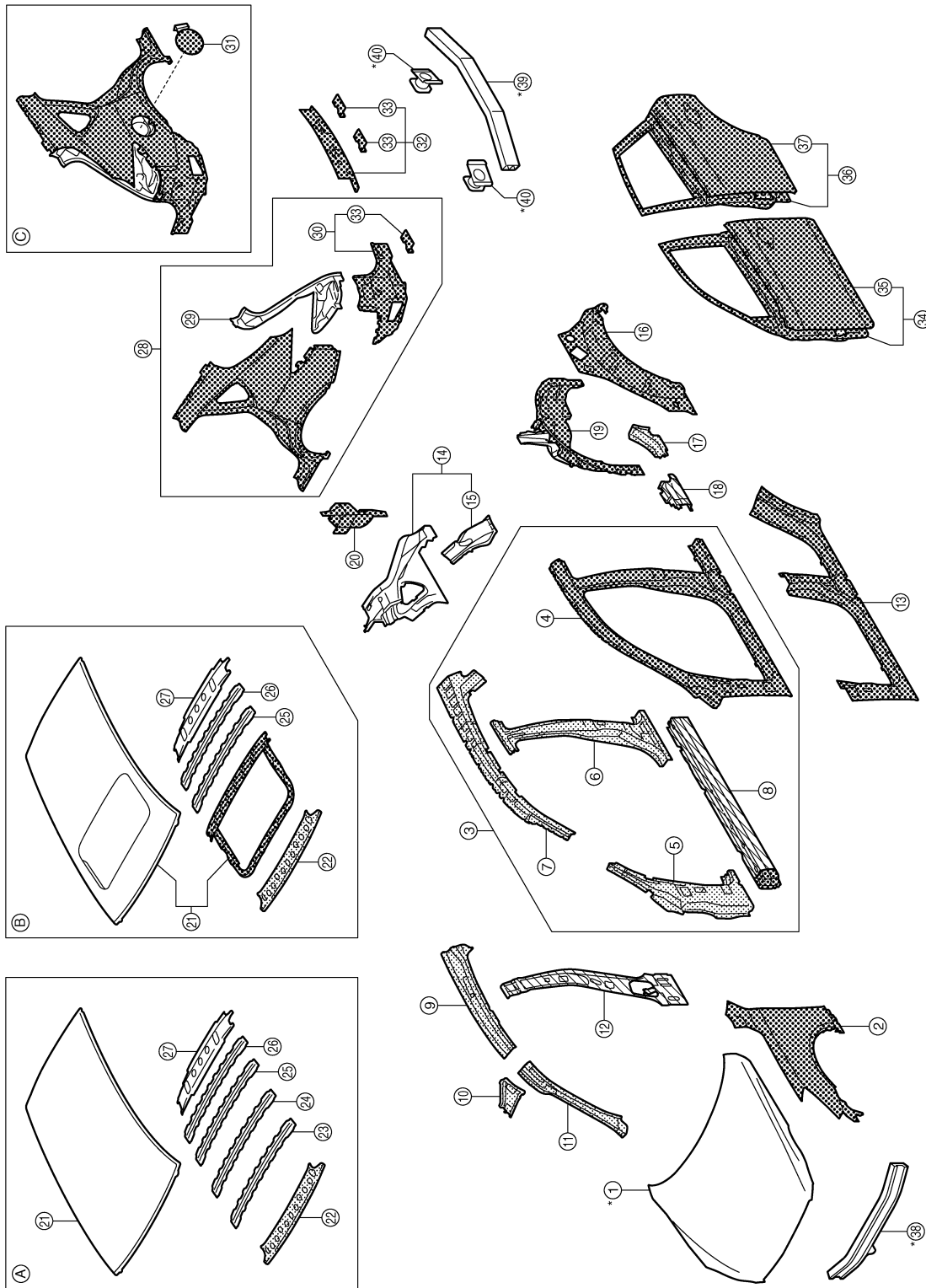
For the parts without a number described in the figure, it is supplied only with the assembly part that the part is included with.

# BODY COMPONENT PARTS

< PREPARATION >

## Body Component Parts

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|---|---------------------------------------|--|
| 1. Hood   | 2. Front fender (RH & LH)             | 3. Side body assembly (RH & LH)            |
| 4. Outer front side body (RH & LH)              | 5. Front pillar brace (RH & LH)       | 6. Center pillar reinforcement (RH & LH)   |
| 7. Outer side roof rail reinforcement (RH & LH) | 8. Outer sill reinforcement (RH & LH) | 9. Inner roof rail reinforcement (RH & LH) |


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# BODY COMPONENT PARTS

## < PREPARATION >

- |                                     |   |   |
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| 10. Front roof rail brace (RH & LH) | 11. Upper inner front pillar assembly (RH & LH)     | 12. Inner center pillar (RH & LH)                   |
| 13. Outer sill (RH & LH)            | 14. Inner rear pillar (RH & LH)                     | 15. Inner rear pillar reinforcement (RH & LH)       |
| 16. Outer rear wheelhouse (RH & LH) | 17. Upper outer rear wheelhouse extension (RH & LH) | 18. Lower outer rear wheelhouse extension (RH & LH) |
| 19. Inner rear wheelhouse (RH & LH) | 20. Lower inner rear pillar (RH & LH)               | 21. Roof  |
| 22. Front roof rail                 | 23. Roof bow No. 1                                  | 24. Roof bow No. 2                                  |
| 25. Roof bow No. 3                  | 26. Roof bow No. 4                                  | 27. Rear roof rail                                  |
| 28. Rear fender assembly (RH & LH)  | 29. Tail pillar assembly (RH & LH)                  | 30. Rear fender extension (RH & LH)                 |
| 31. Fuel filler lid                 | 32. Rear panel assembly                             | 33. Upper rear bumper retainer                      |
| 34. Front door assembly (RH & LH)   | 35. Outer front door panel (RH & LH)                | 36. Rear door assembly (RH & LH)                    |
| 37. Outer rear door panel (RH & LH) | 38. Inner center front bumper reinforcement         | 39. Inner center rear bumper reinforcement assembly |
| 40. Rear bumper stay (RH & LH)      |   |   |
| A. Standard roof                    | B. With sunroof                                     | C. RH side  |

 Both sided anti-corrosive precoated steel sections

 High strength steel (HSS) sections

 Both sided anti-corrosive steel and HSS sections

\* : Aluminum portion

### NOTE:

For the parts without a number described in the figure, it is supplied only with the assembly part that the part is included with.

# CORROSION PROTECTION

< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### CORROSION PROTECTION

#### Description

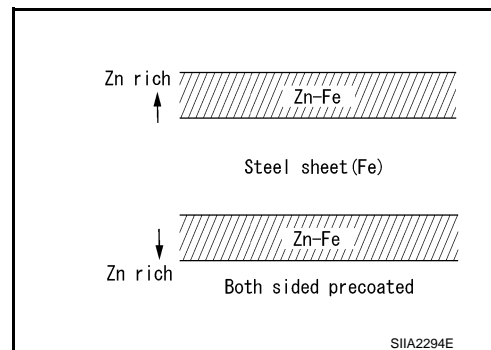
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To provide improved corrosion prevention, the following anti-corrosive measures have been implemented in NISSAN production plants. When repairing or replacing body panels, it is necessary to use the same anti-corrosive measures.

#### Anti-Corrosive Precoated Steel (Galvannealed Steel)

To improve repairability and corrosion resistance, a new type of anti-corrosive precoated steel sheet is adopted replacing conventional zinc-coated steel sheet.

Galvannealed steel is electroplated and heated to form Zinc-iron alloy, which provides excellent and long term corrosion resistance with cationic electrodeposition primer.



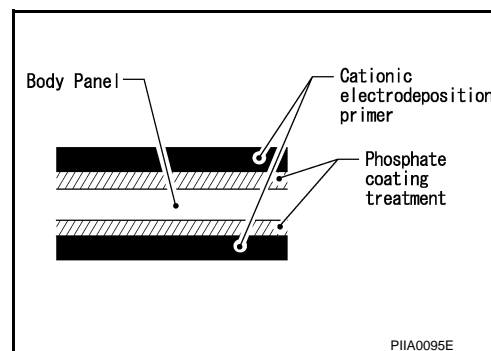
NISSAN genuine parts are fabricated from galvannealed steel. Therefore, it is recommended that NISSAN genuine parts or an equivalent be used for panel replacement to maintain the anti-corrosive performance built into the vehicle at the factory.

#### Phosphate Coating Treatment and Cationic Electrodeposition Primer

A phosphate coating treatment and a cationic electrodeposition primer, which provide excellent corrosion protection, are applied to all body components.

#### **CAUTION:**

**Confine paint removal during welding operation to an absolute minimum.**



NISSAN genuine parts are also treated in the same manner. Therefore, it is recommended that NISSAN genuine parts or an equivalent be used for panel replacement to maintain anti-corrosive performance built into the vehicle at the factory.

#### Anti-corrosive Wax

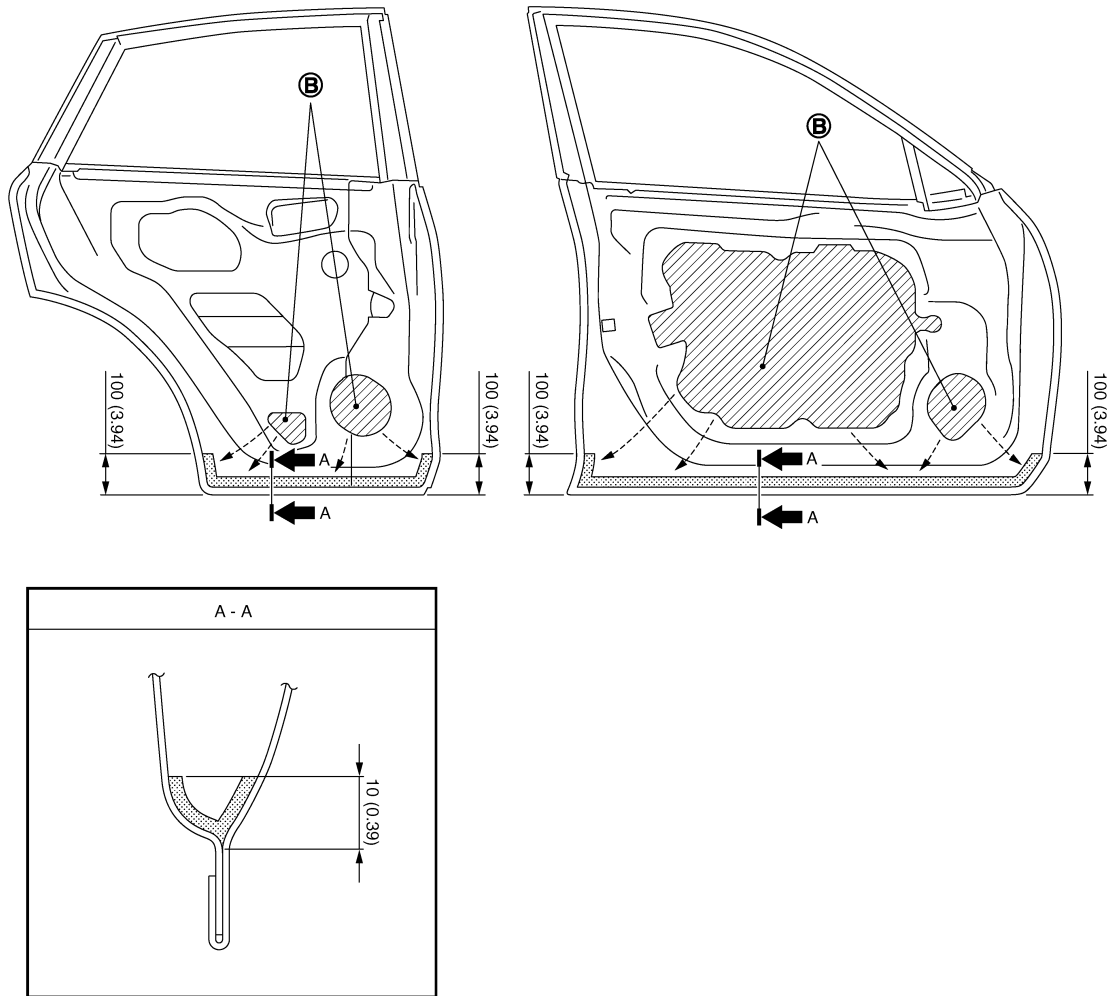
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To improve corrosion resistance, anti-corrosive wax is applied inside the body sill and inside other closed sections. Accordingly, when replacing these parts, be sure to apply anti-corrosive wax to the appropriate areas of the new parts. Select an excellent anti-corrosive wax which will penetrate after application and has a long shelf life.

#### DOOR

# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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B. Nozzle insert hole

▨ : Anti-corrosive wax coated portions

## Undercoating

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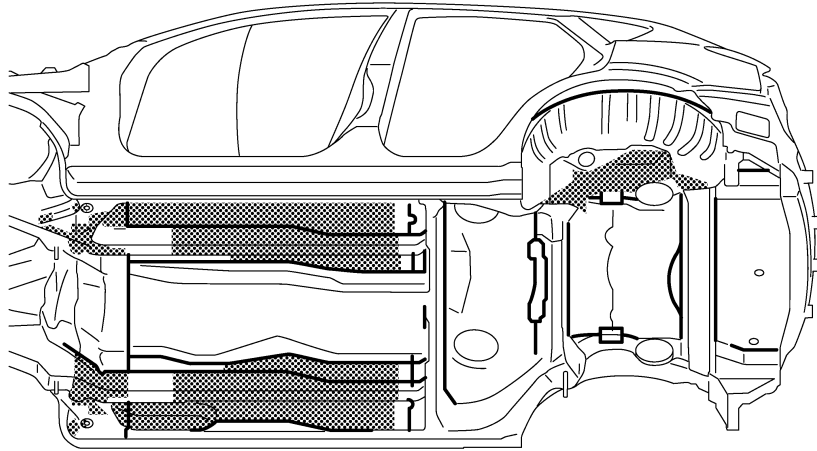
The underside of the floor and wheelhouse are undercoated to prevent rust, vibration, noise and stone chipping. Therefore, when such a panel is replaced or repaired, apply undercoating to that part. Use an undercoating which is rust resistant, soundproof, vibration-proof, shock-resistant, adhesive, and durable.

### Precautions in Undercoating


1. Never apply undercoating to any place unless specified (such as the areas above the muffler and three way catalyst that are subjected to heat).
2. Never undercoat the exhaust pipe or other parts that become hot.
3. Never undercoat rotating parts.
4. Apply bitumen wax after applying undercoating.
5. After putting seal on the vehicle, put undercoating on it.


# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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 Undercoated portions

 Sealed portions

### Body Sealing

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The following figure shows the areas which are sealed at the factory. Sealant which has been applied to these areas should be smooth and free from cuts or gaps. Care should be taken not to apply an excess amount of sealant and not to allow other unaffected parts to come into contact with the sealant.

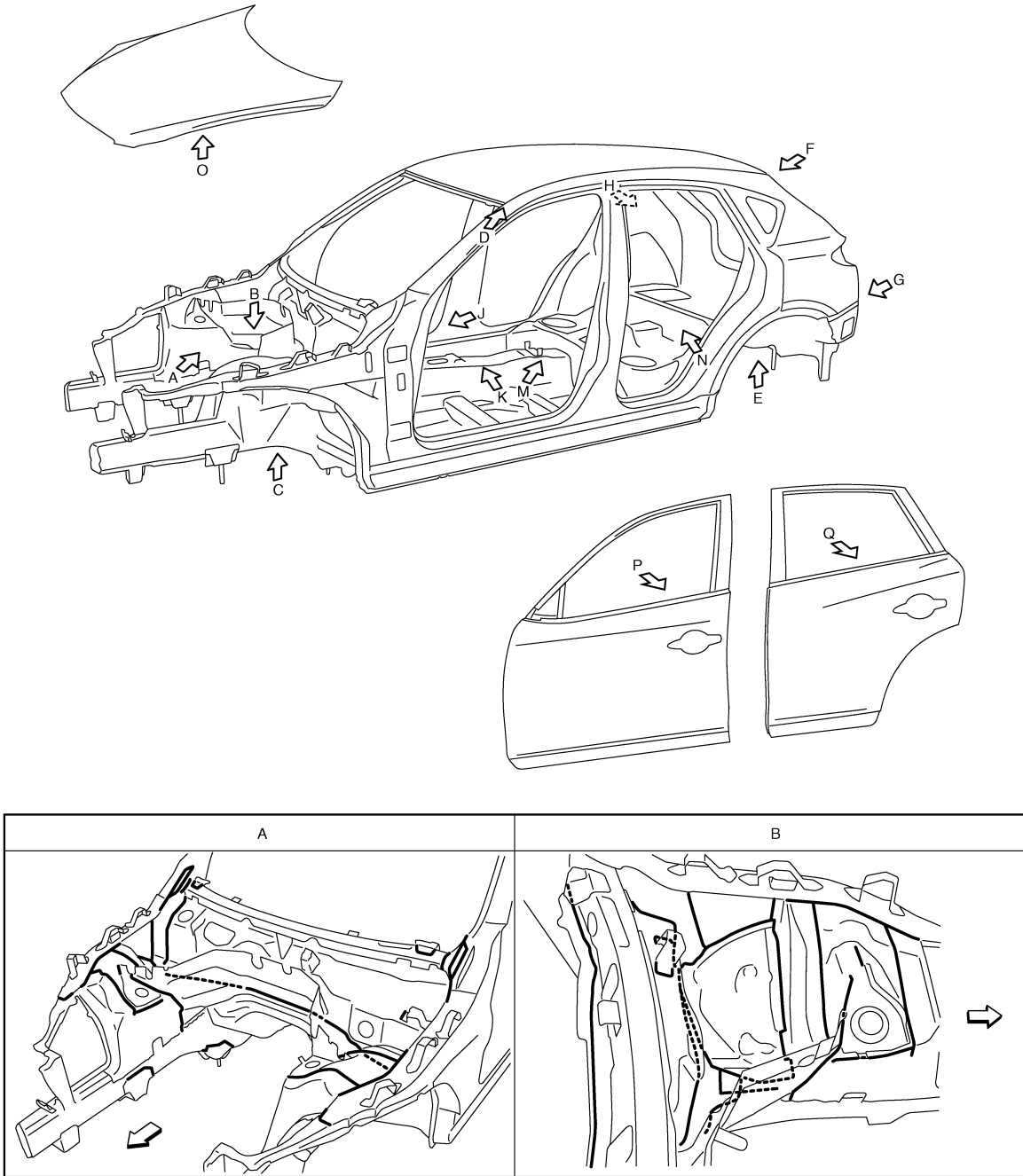
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# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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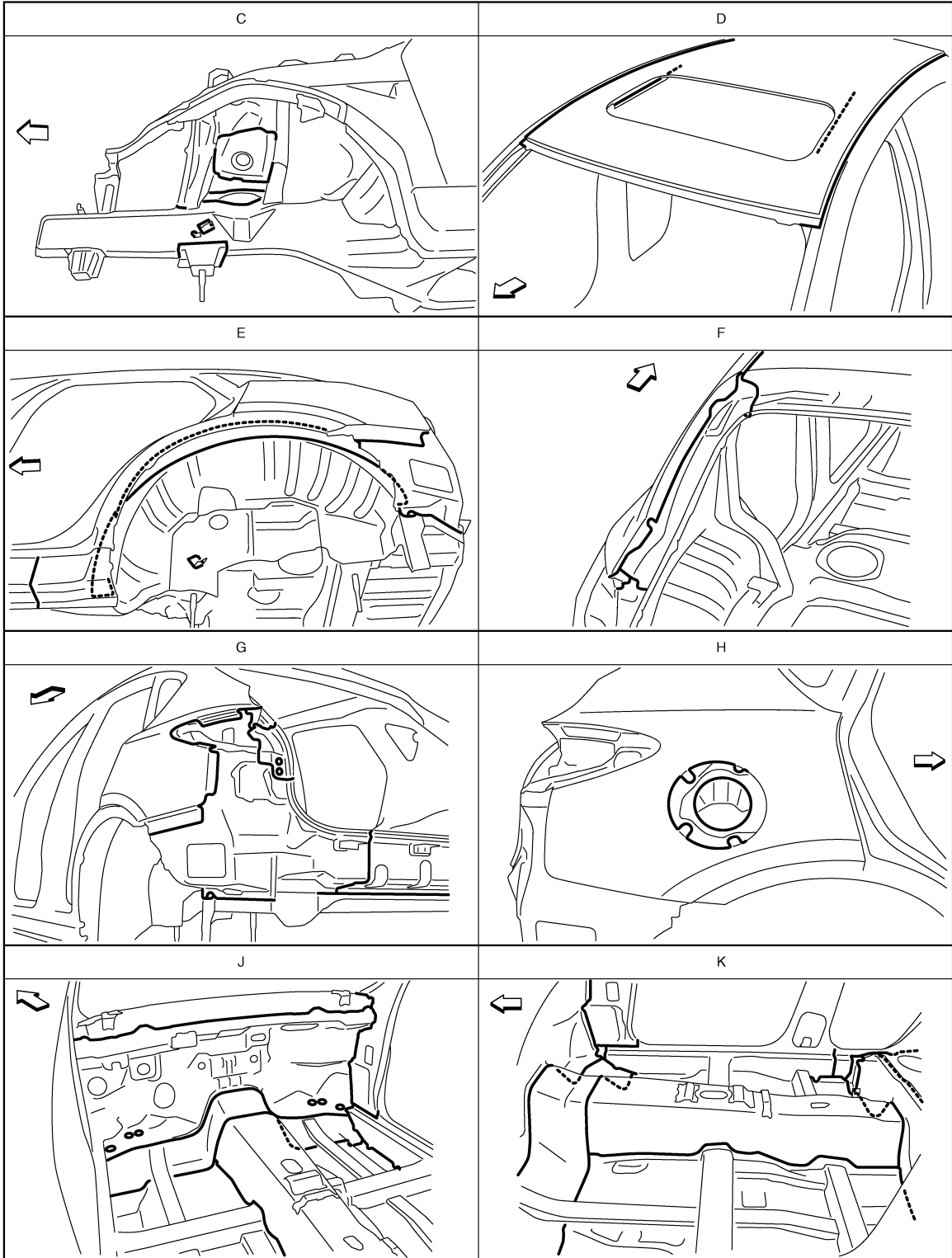
↔: Vehicle front

—: Sealed portions



# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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↩: Vehicle front

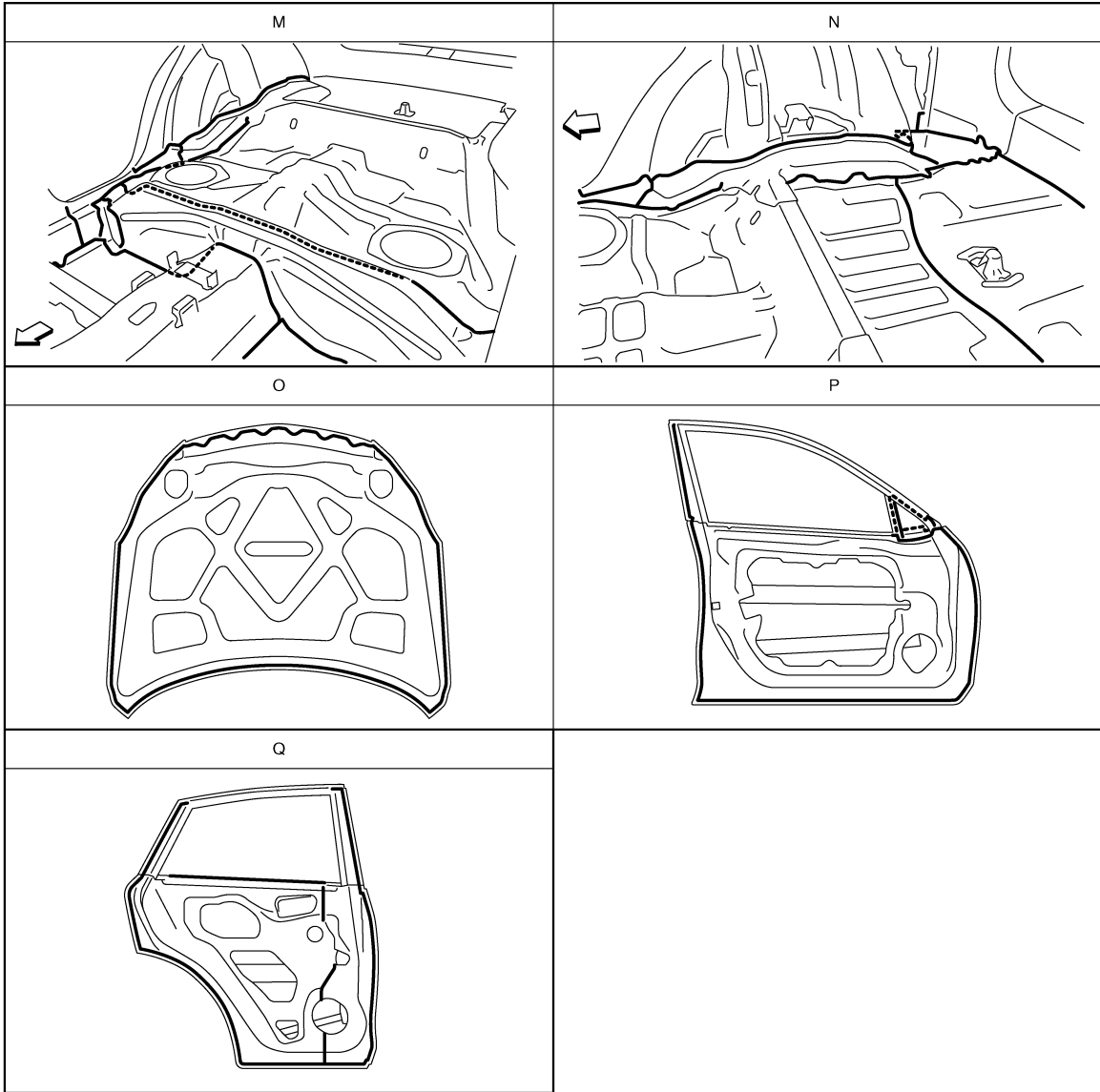
—: Sealed portions

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# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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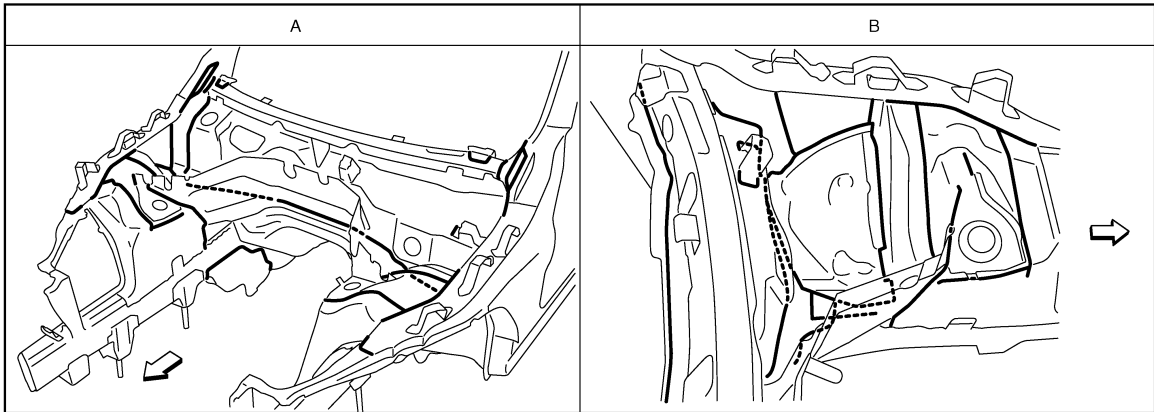
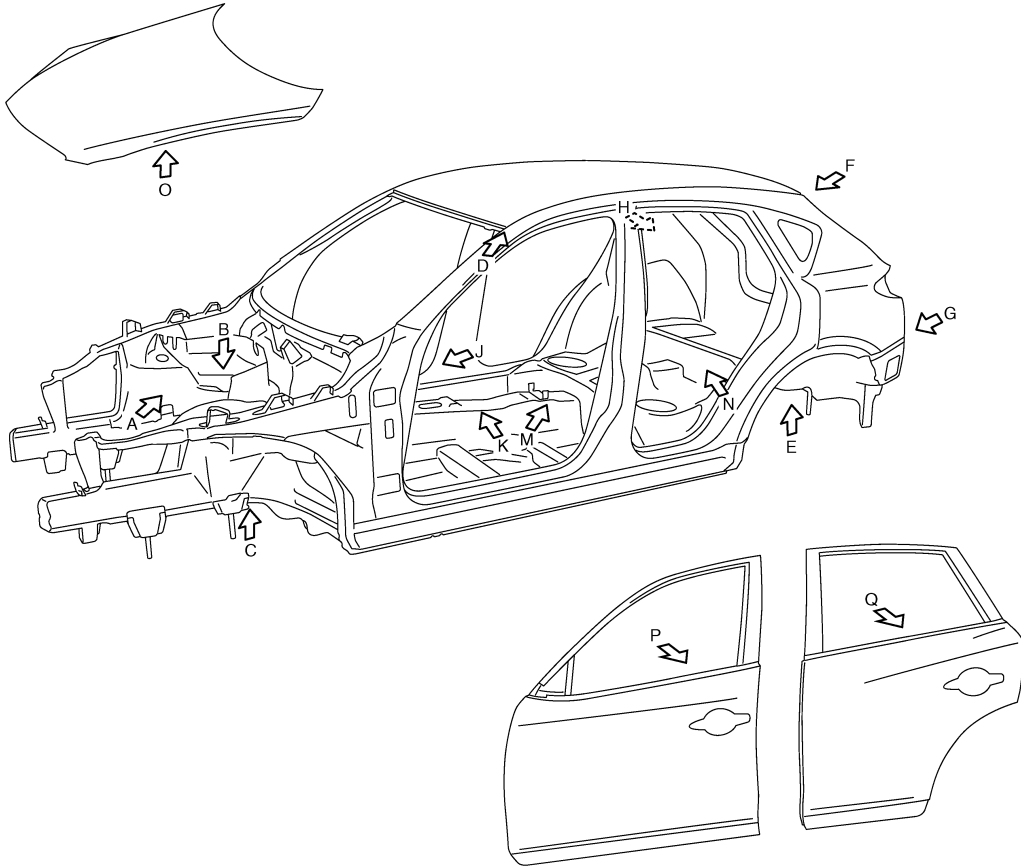
↶: Vehicle front

—: Sealed portions

AWD

# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



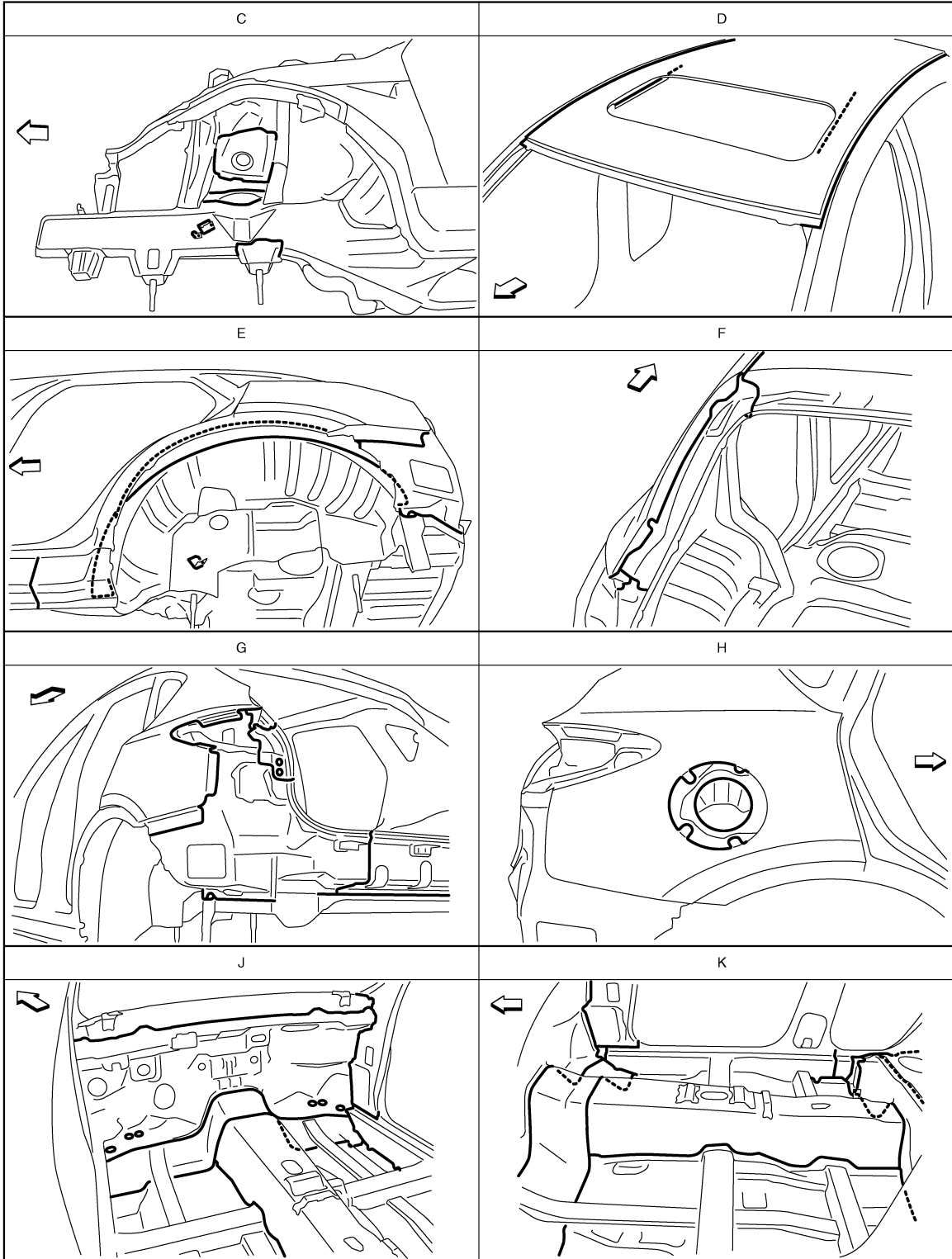
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←: Vehicle front  
 —: Sealed portions

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# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



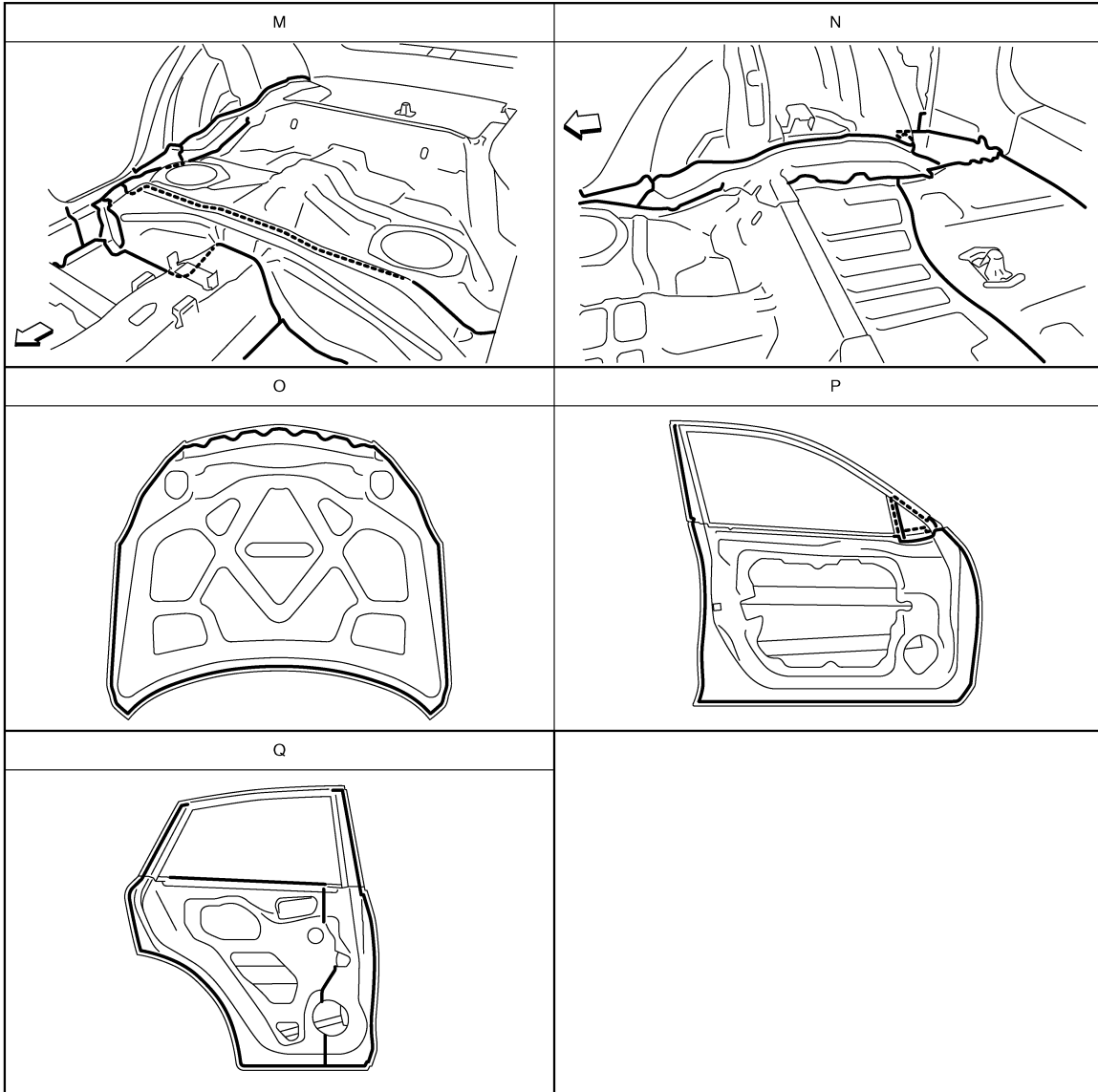
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↶: Vehicle front

—: Sealed portions

# CORROSION PROTECTION

## < REMOVAL AND INSTALLATION >



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←: Vehicle front  
—: Sealed portions

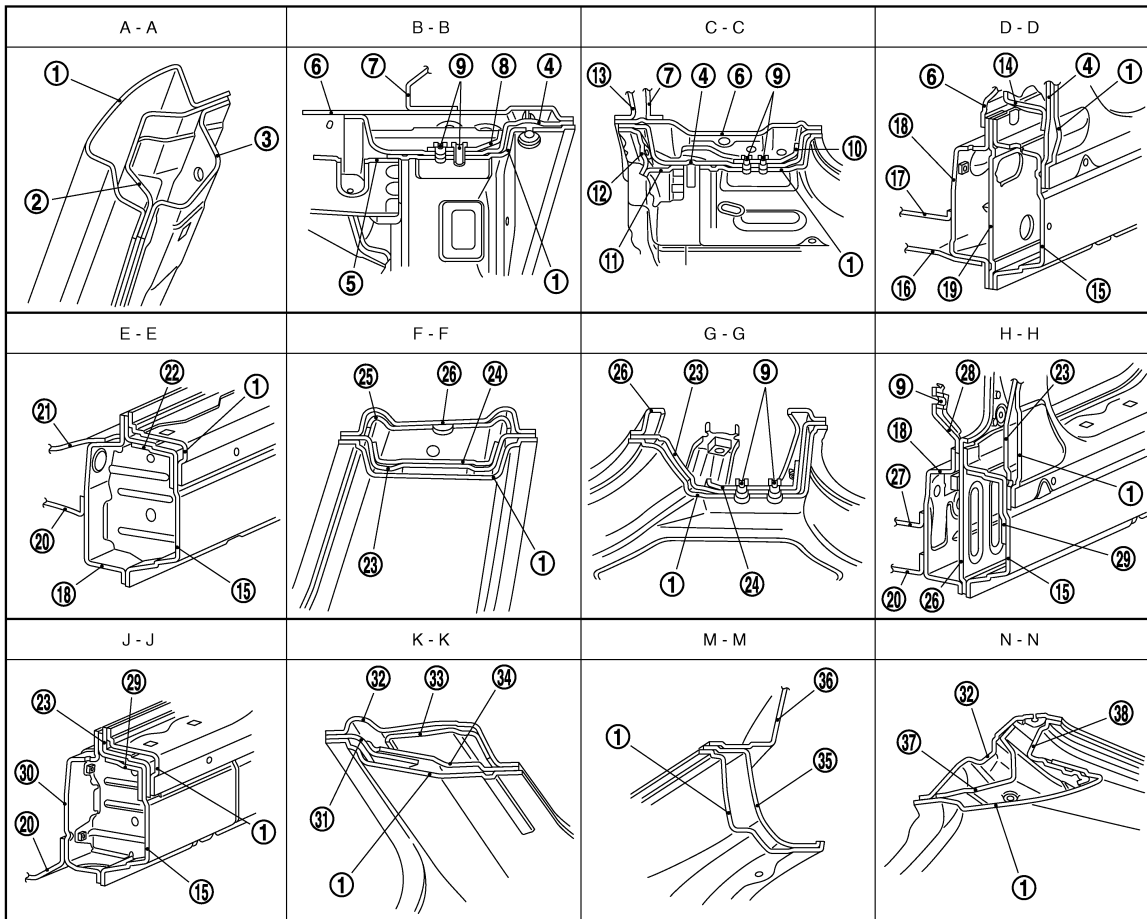
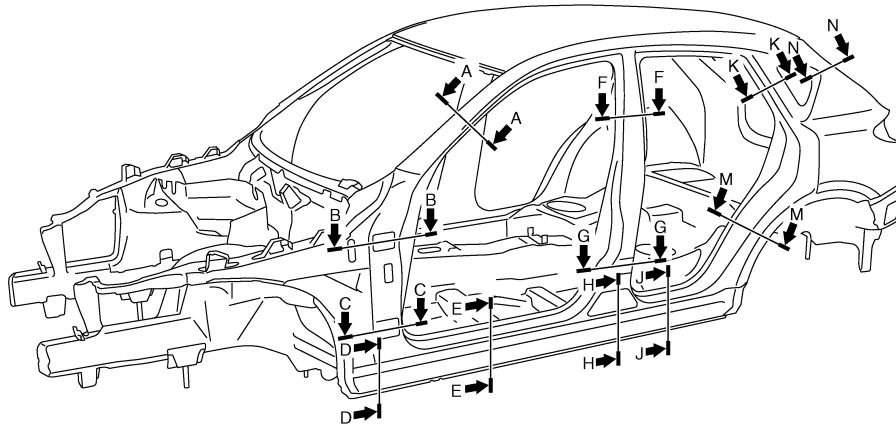
# BODY CONSTRUCTION

< REMOVAL AND INSTALLATION >

## BODY CONSTRUCTION

### Body Construction

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|-----------------------------|-------------------------------------|-----------------------------|
| 1. Outer side body          | 2. Outer front pillar reinforcement | 3. Upper inner front pillar |
| 4. Front pillar hinge brace | 5. Hoodledge reinforcement          | 6. Upper rear hoodledge     |
| 7. Upper dash               | 8. Upper hinge plate                | 9. Weld nut                 |

# BODY CONSTRUCTION

## < REMOVAL AND INSTALLATION >

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10. Lower hinge plate	11. Rear hoodledge reinforcement	12. Hoodledge reinforcement gusset	A
13. Lower dash crossmember	14. Lower front pillar gusset	15. Outer sill reinforcement	
16. Front side member outrigger	17. Lower dash	18. Inner sill	
19. Lower front pillar reinforcement	20. Front floor	21. Front floor gusset	B
22. Outer sill extension	23. Center pillar reinforcement	24. Center pillar seat belt reinforcement	
25. Center pillar seat belt anchor	26. Inner center pillar	27. 3rd crossmember	
28. Seat belt anchor	29. Center sill reinforcement	30. Rear side member front	C
31. Side roof rail reinforcement	32. Inner rear pillar	33. Upper rear pillar seat belt anchor	
34. Inner rear pillar reinforcement	35. Outer rear wheelhouse	36. Inner rear wheelhouse	D
37. Upper back pillar reinforcement	38. Back pillar main		

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# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >

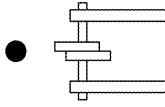
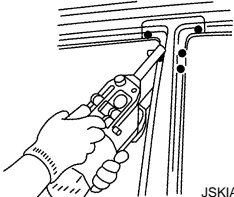
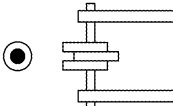
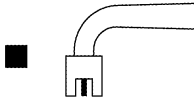



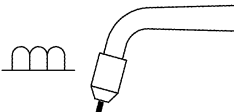
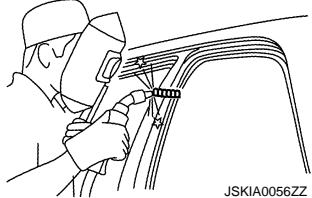
## REPLACEMENT OPERATIONS

### Description

INFOID:000000006346039

- This section is prepared for technicians who have attained a high level of skill and experience in repairing collision-damaged vehicles and also use modern service tools and equipment. Persons unfamiliar with body repair techniques should not attempt to repair collision-damaged vehicles by using this section.
- Technicians are also encouraged to read the Body Repair Manual (Fundamentals) in order to ensure that the original functions and quality of the vehicle are maintained. The Body Repair Manual (Fundamentals) contains additional information, including cautions and warnings, that are not including in this manual. Technicians should refer to both manuals to ensure proper repair.
- Please note that this information is prepared for worldwide usage, and as such, certain procedures might not apply in some regions or countries.

The symbols used in this section for welding operations are shown below.

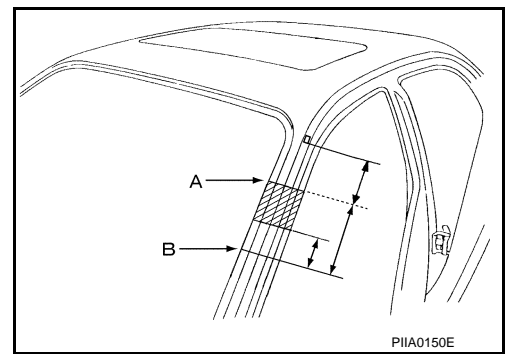
Symbol marks	Description	
 <p>JSKIA0049ZZ</p>	2-spot welds	 <p>JSKIA0053ZZ</p>
 <p>JSKIA0050ZZ</p>	3-spot welds	
 <p>JSKIA0051ZZ</p>	MIG plug weld	 <p>JSKIA0054ZZ</p> <p>For 3 panels plug weld method</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div> <p>■ A</p>  </div> <div> <p>■ B</p>  </div> </div> <p>JSKIA0055ZZ</p>
 <p>JSKIA0052ZZ</p>	MIG seam weld / Point weld	 <p>JSKIA0056ZZ</p>



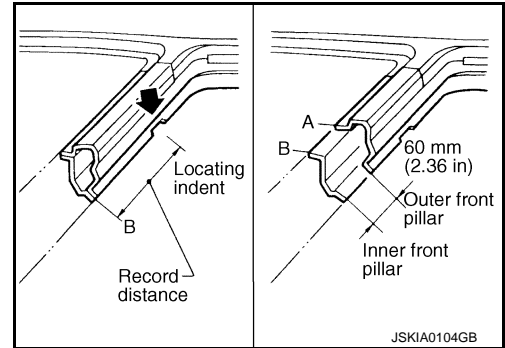
# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >

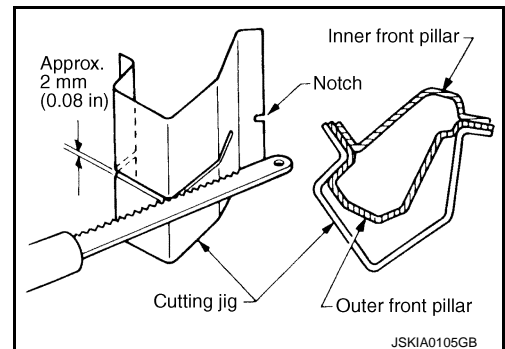
- Front pillar butt joint can be determined anywhere within shaded area as shown in the figure. The best location for the butt joint is at position A due to the construction of the vehicle.



- Determine cutting position and record distance from the locating indent. Use this distance when cutting the service part. Cut outer front pillar over 60 mm (2.36 in) above the inner front pillar cut position.

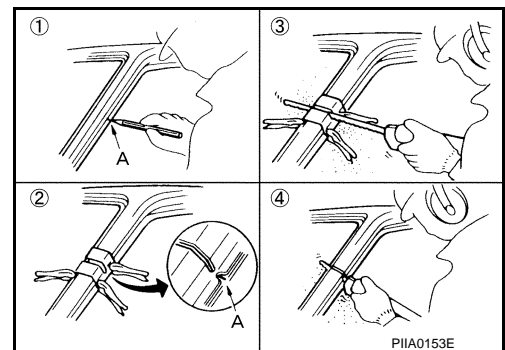


- Prepare a cutting jig to make outer pillar easier to cut. Also, this will permit the service part to be accurately cut at the joint position.



- An example of cutting operation using a cutting jig is as per the following.

1. Mark cutting lines.  
A: Cut position of outer pillar  
B: Cut position of inner pillar
2. Align cutting line with notch on jig. Clamp jig to pillar.
3. Cut outer pillar along groove of jig (at position A).
4. Remove jig and cut remaining portions.
5. Cut inner pillar at position B in same manner.



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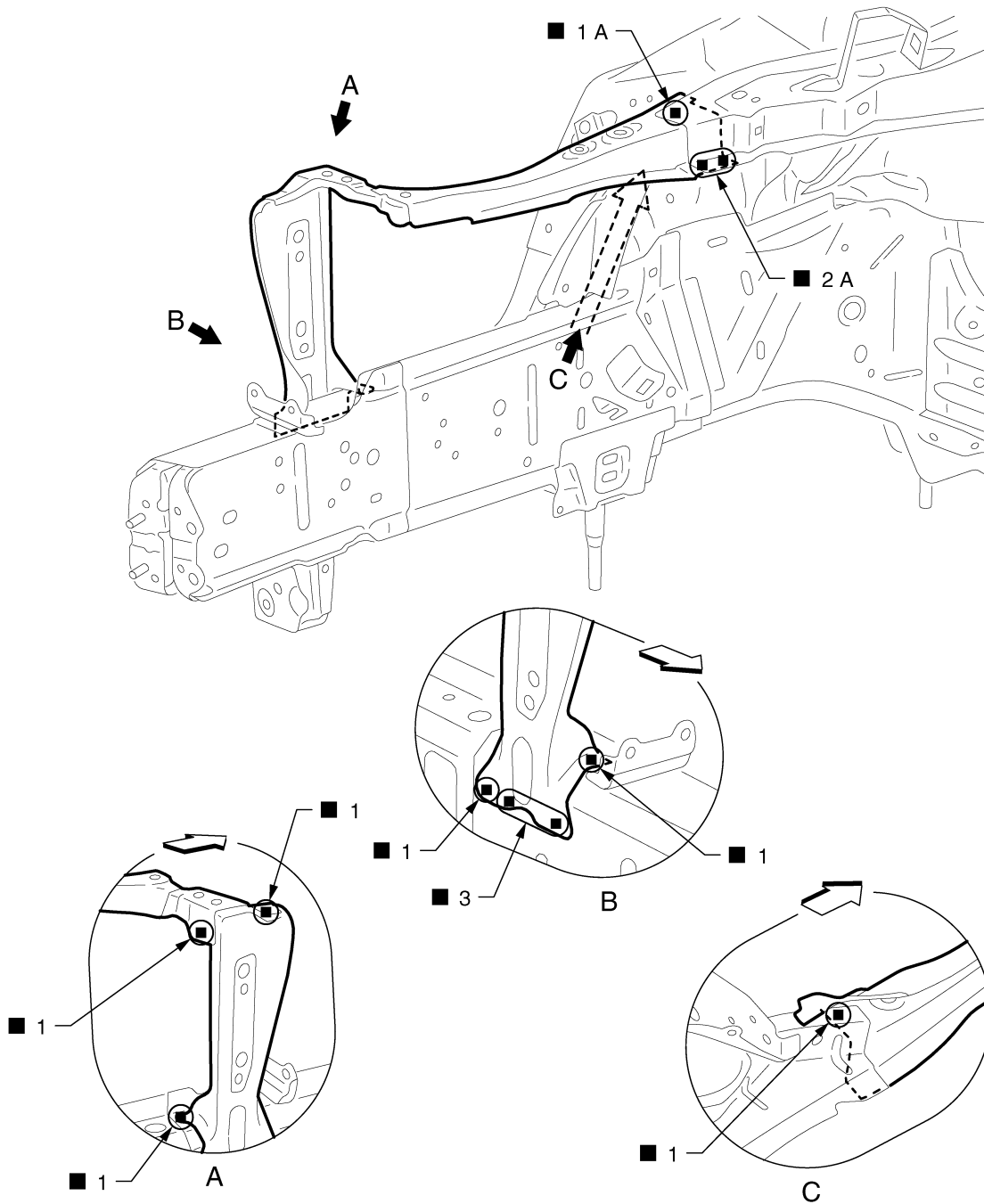
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# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >

## Radiator Core Support

INFOID:000000006346040



JSKIA0592ZZ

↔: Vehicle front

Replacement parts

- Radiator core support assembly (LH)
- Front side member connector assembly (LH)

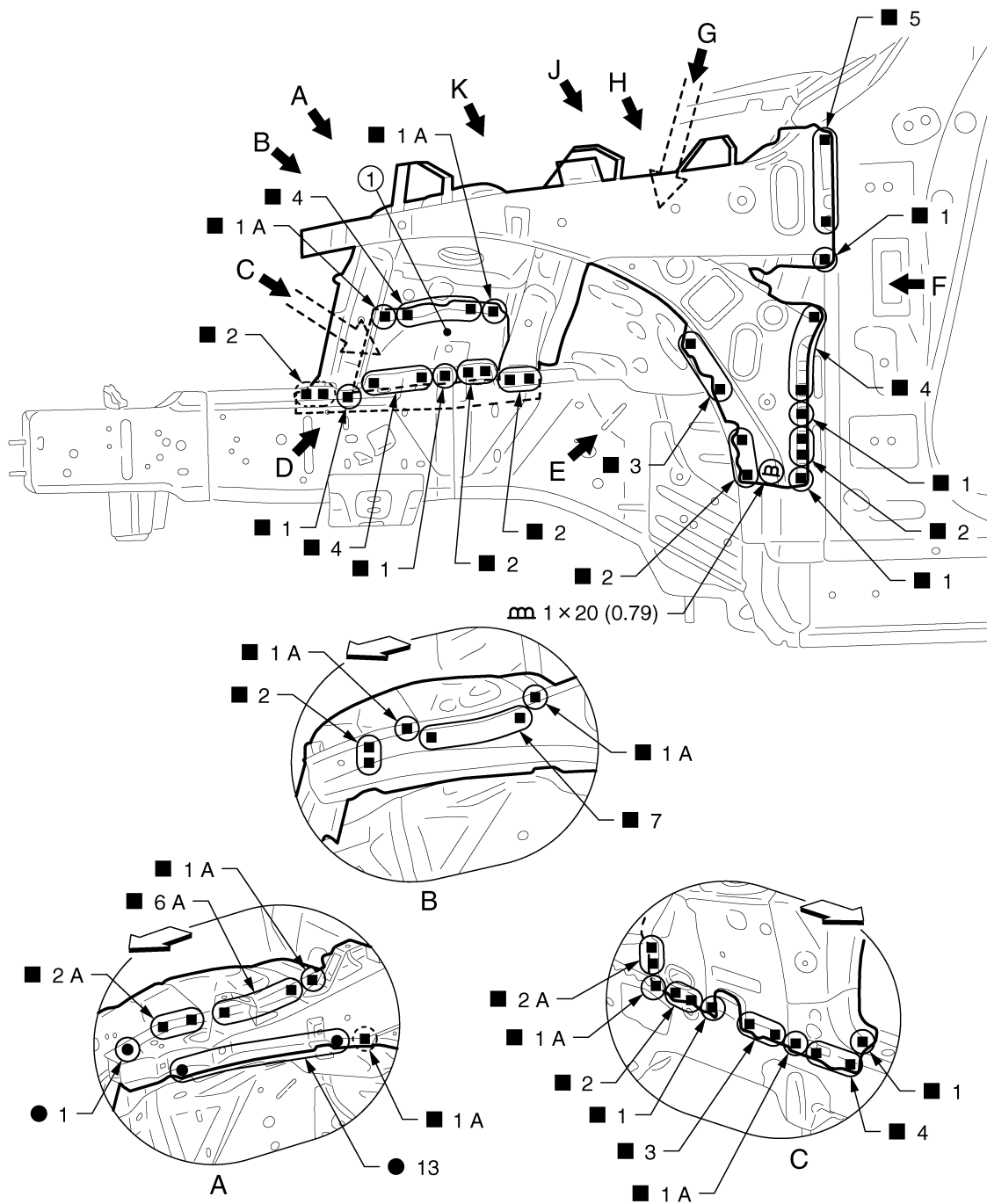
## Hoodledge

INFOID:000000006346041

Work after radiator core support is removed.  
Remove the front side member center closing plate (reusable).

# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >



JSKIA0593GB

1. Front side member center closing plate

Unit: mm (in)

← Vehicle front

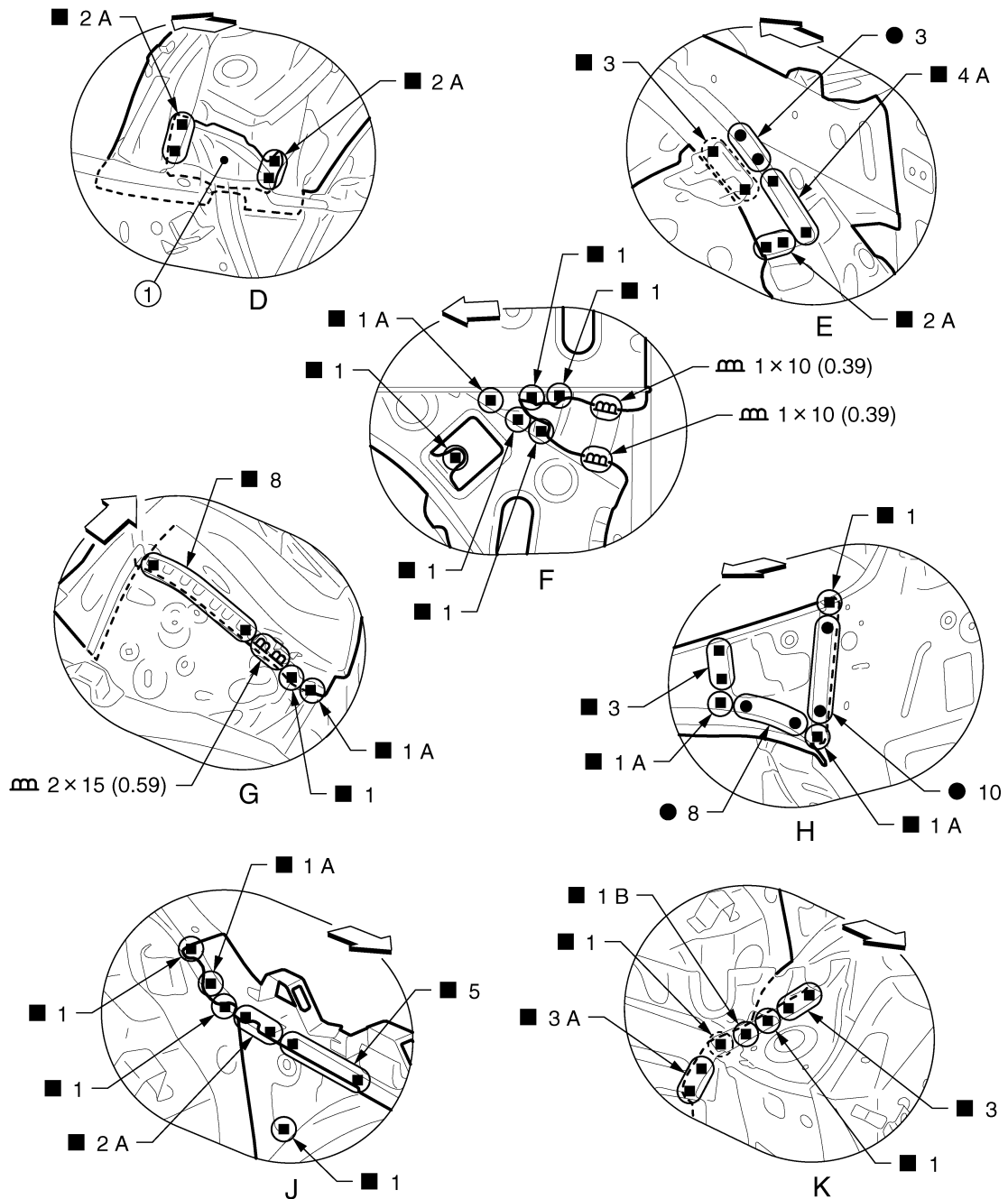
Replacement parts

- Upper front hoodledge (LH)
- Hoodledge reinforcement (LH)
- Front strut housing (LH)

View B: Before installing hoodledge reinforcement

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0594GB

1. Front side member center closing plate

Unit: mm (in)

↔: Vehicle front

View H: Before installing hoodledge reinforcement

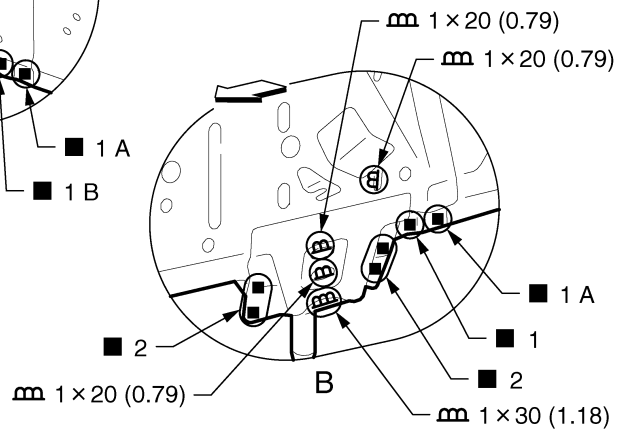
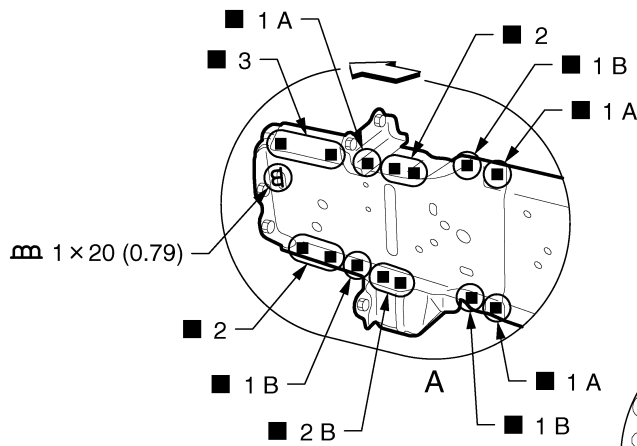
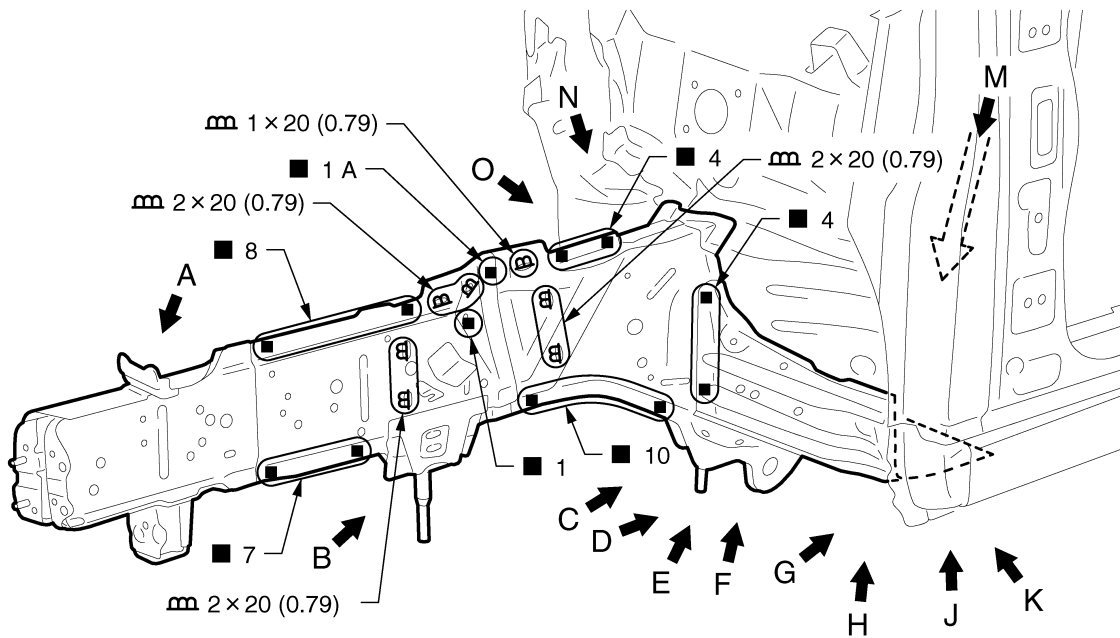
### Front Side Member (2WD)

INFOID:000000006346042

Work after radiator core support and hoodledge are removed.  
Assemble the hoodledge and check the fitting according to Body Alignment before replacing the front side member center closing plate.

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0595GB

Unit: mm (in)

⇐: Vehicle front

Replacement parts

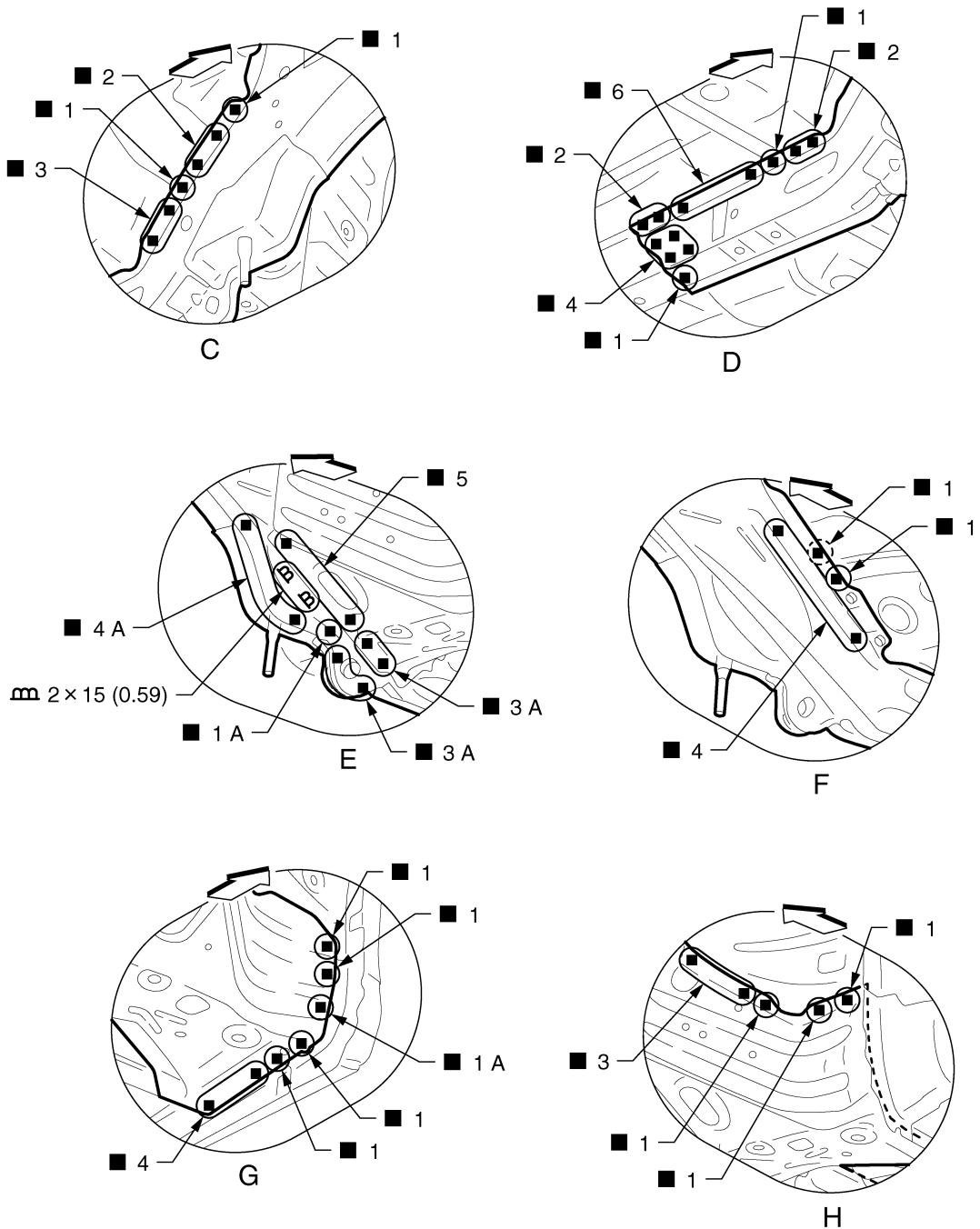
- Front side member assembly (LH)
- Front side member closing plate assembly (LH)
- Front side member outrigger assembly (LH)

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



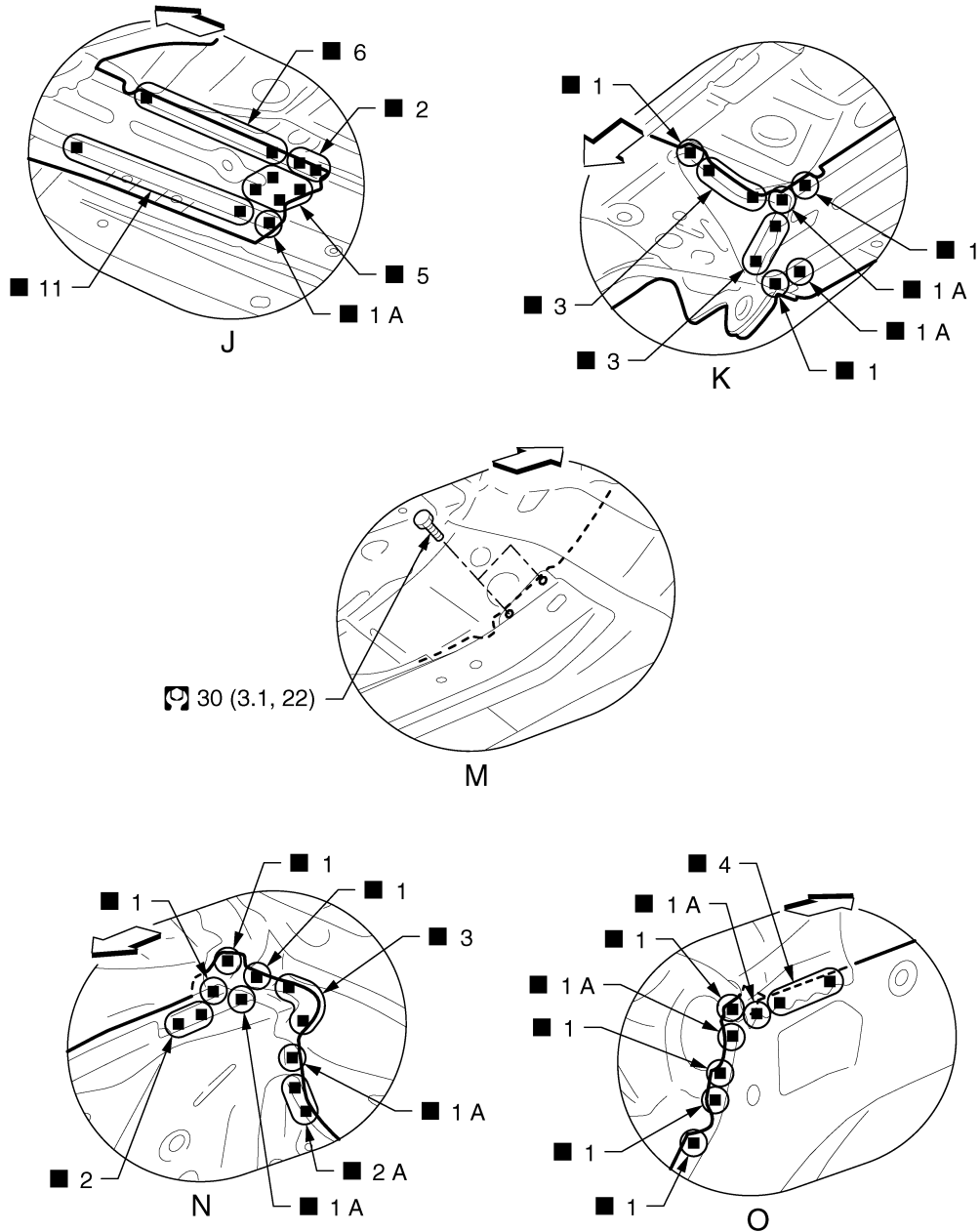
JSKIA0596GB

Unit: mm (in)  
 ↶ Vehicle front

View F: Before installing front side member outrigger assembly

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



←: Vehicle front

Refer to [GI-4, "Components"](#) for symbols in the figure.

### Front Side Member (AWD)

INFOID:000000006346043

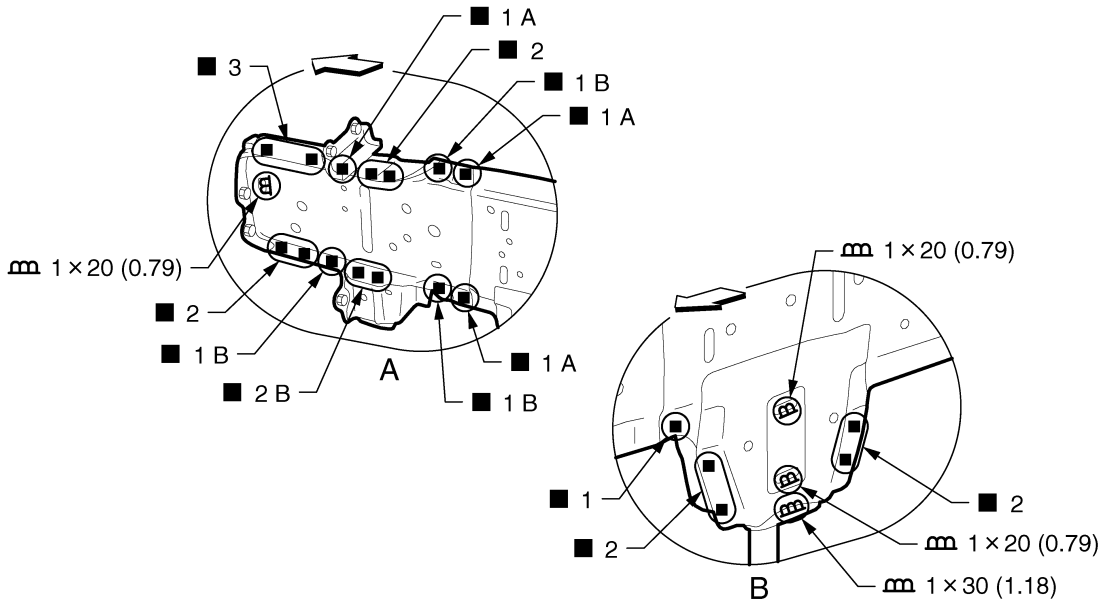
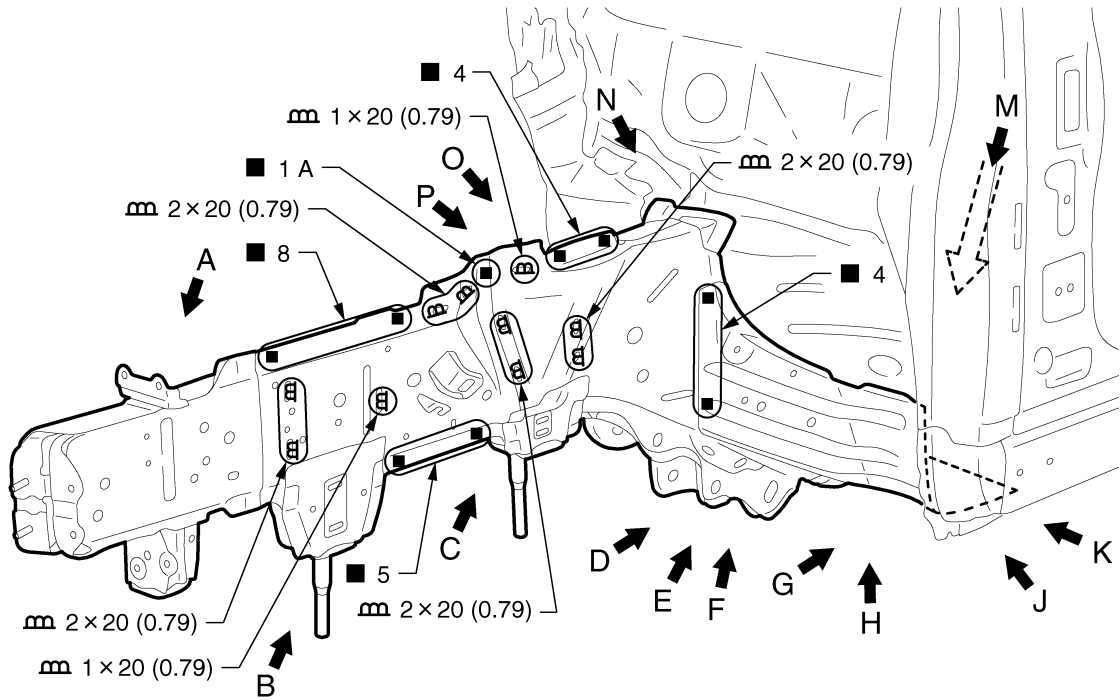
Work after radiator core support and hoodledge are removed.  
 Assemble the hoodledge and check the fitting according to Body Alignment before replacing the front side member center closing plate.

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0598GB

Unit: mm (in)

↔: Vehicle front

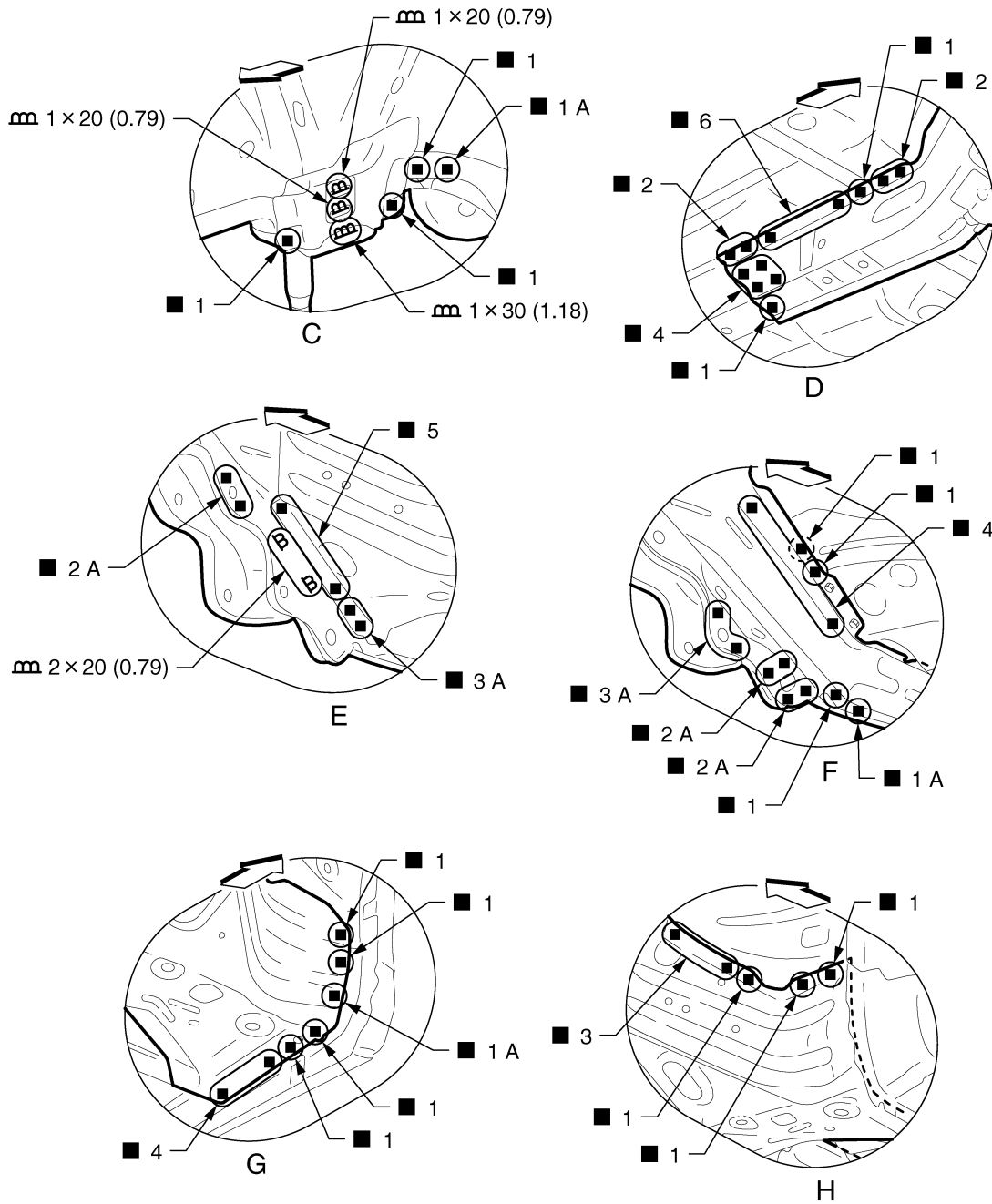
Replacement parts

- Front side member assembly (LH)
- Front side member closing plate assembly (LH)
- Front side member outrigger assembly (LH)



# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



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JSKIA0599GB

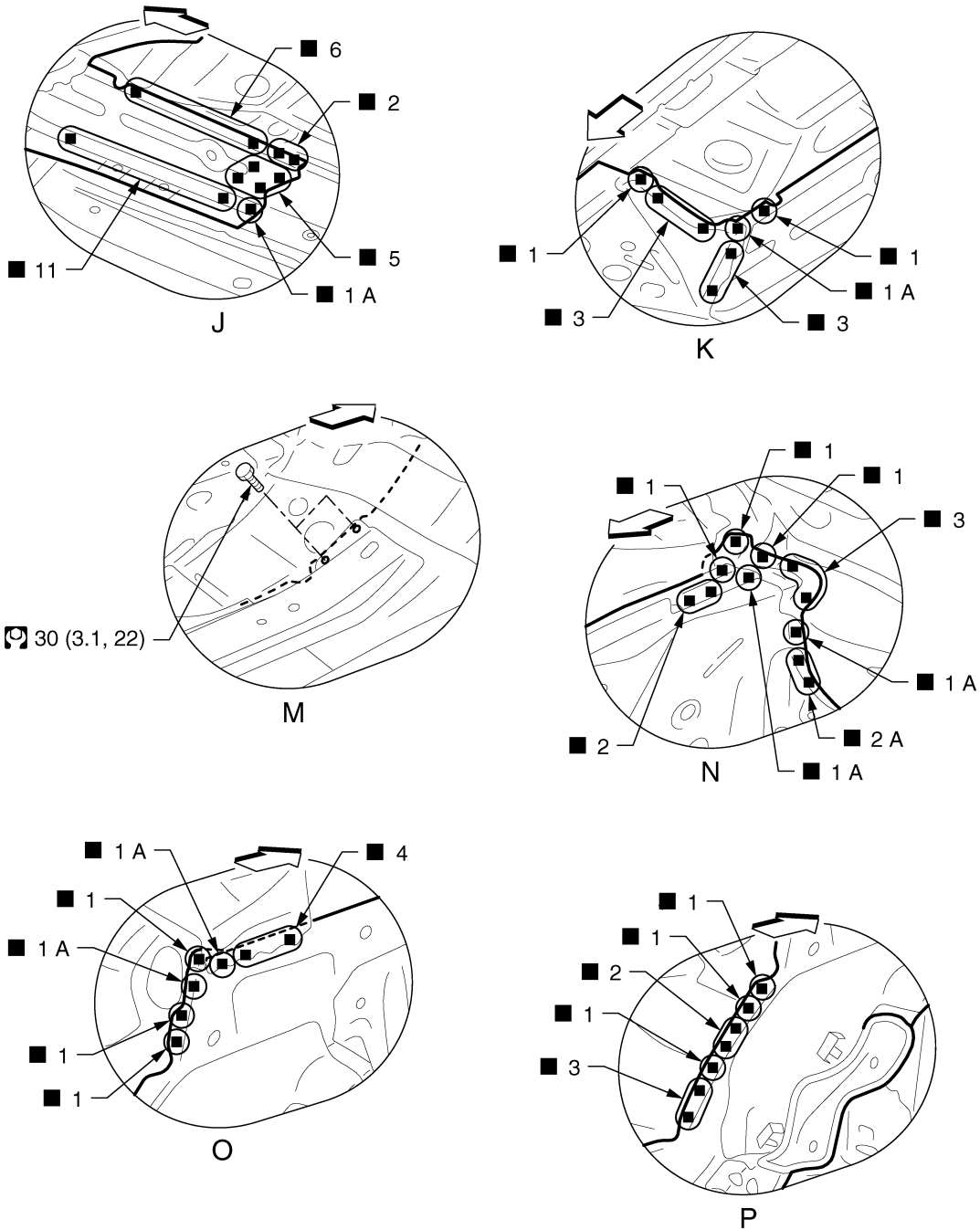
Unit: mm (in)

↔: Vehicle front

View F: Before installing front side member outrigger assembly

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0600GB

←: Vehicle front

Refer to [GI-4, "Components"](#) for symbols in the figure.

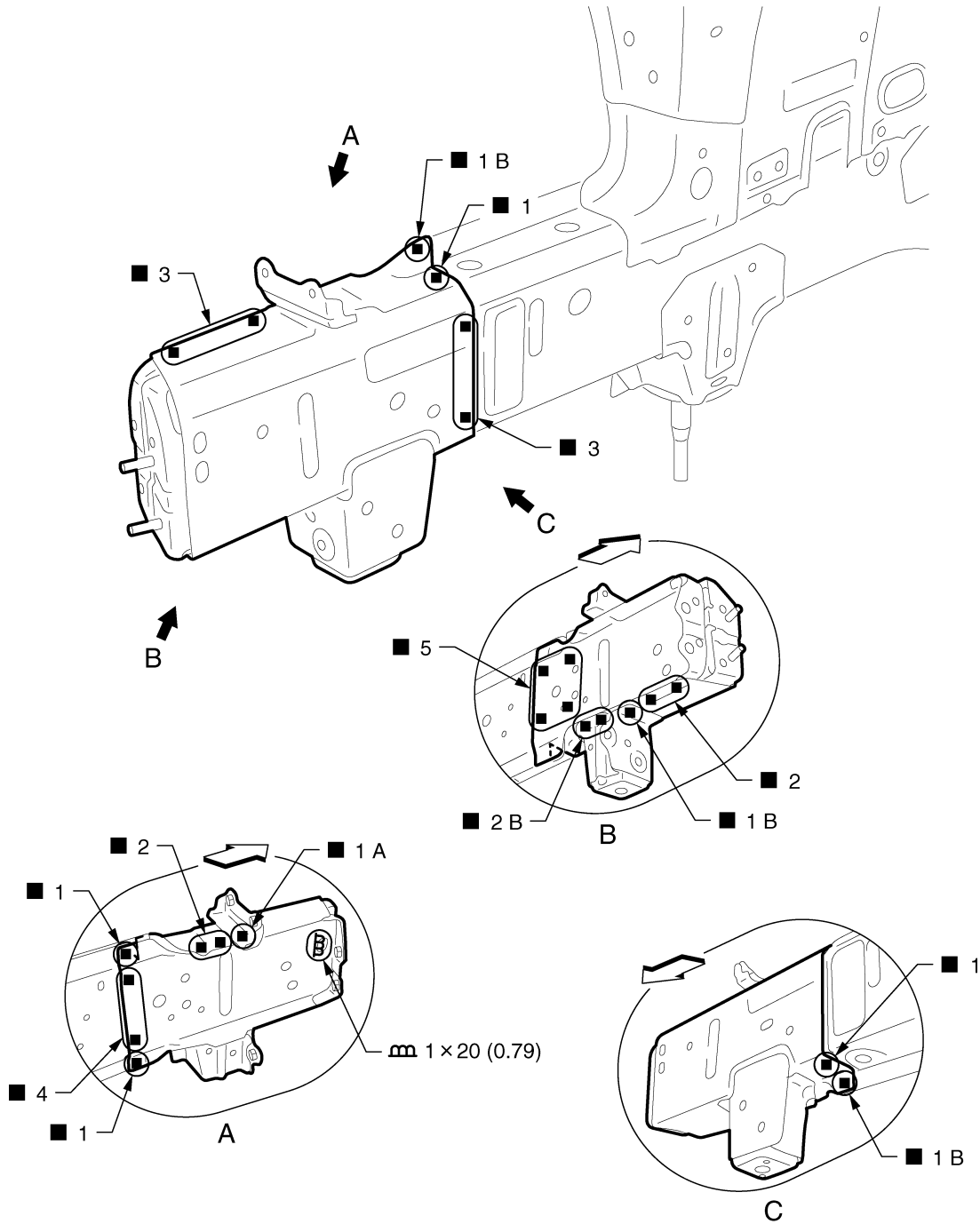
### Front Side Member (Partial Replacement)

INFOID:000000006346044

Work after radiator core support is removed.

# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >



JSKIA1062GB

Unit: mm (in)

↔: Vehicle front

Replacement parts

- Front side member front extension (RH)
- Front side member front closing plate (RH)
- Front side rear closing reinforcement (RH)

## Front Pillar

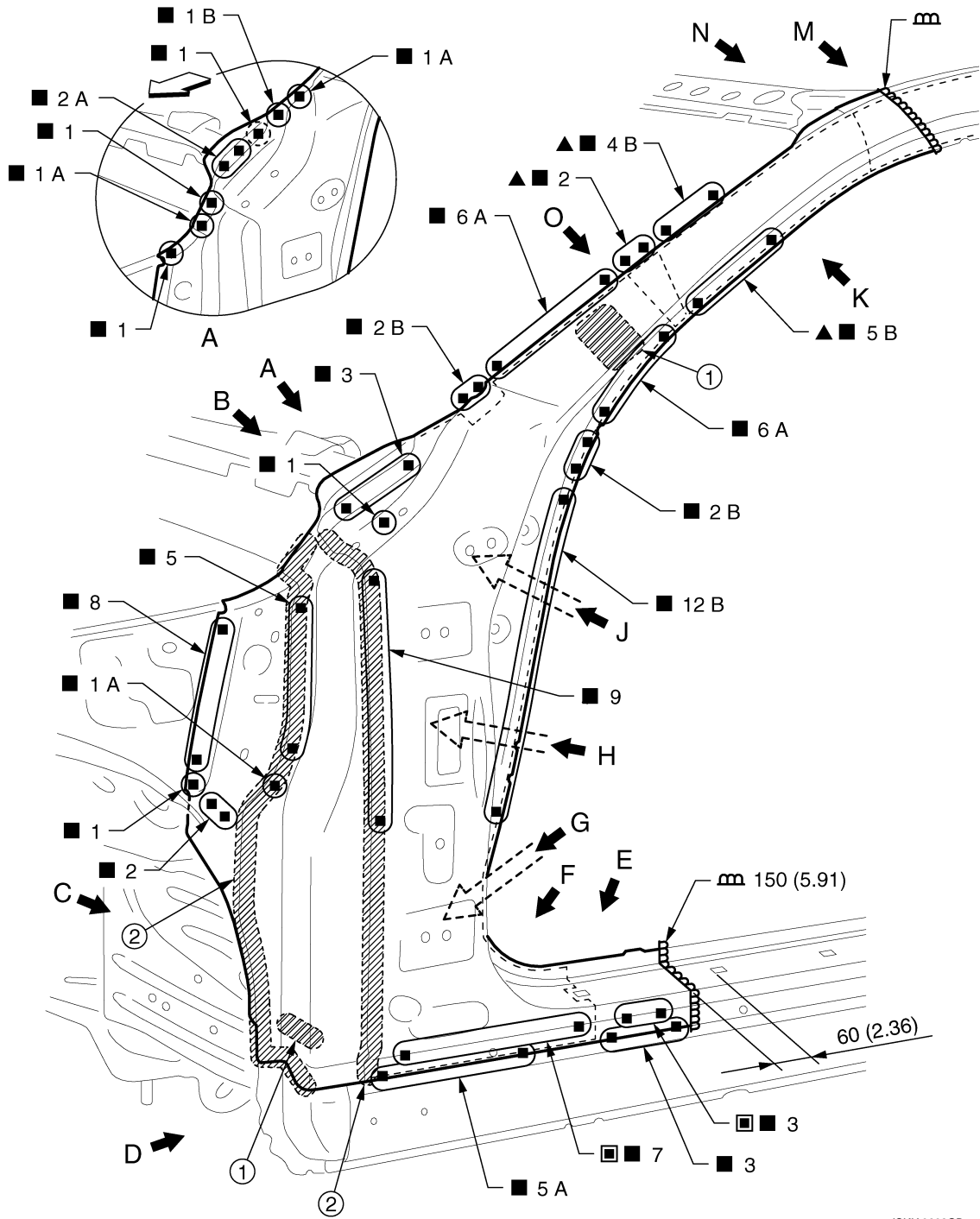
INFOID:000000006346045

Work after hoodledge reinforcement and roof are removed.

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0602GB

1. Urethane foam

2. Body sealing

Unit: mm (in)

↔: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

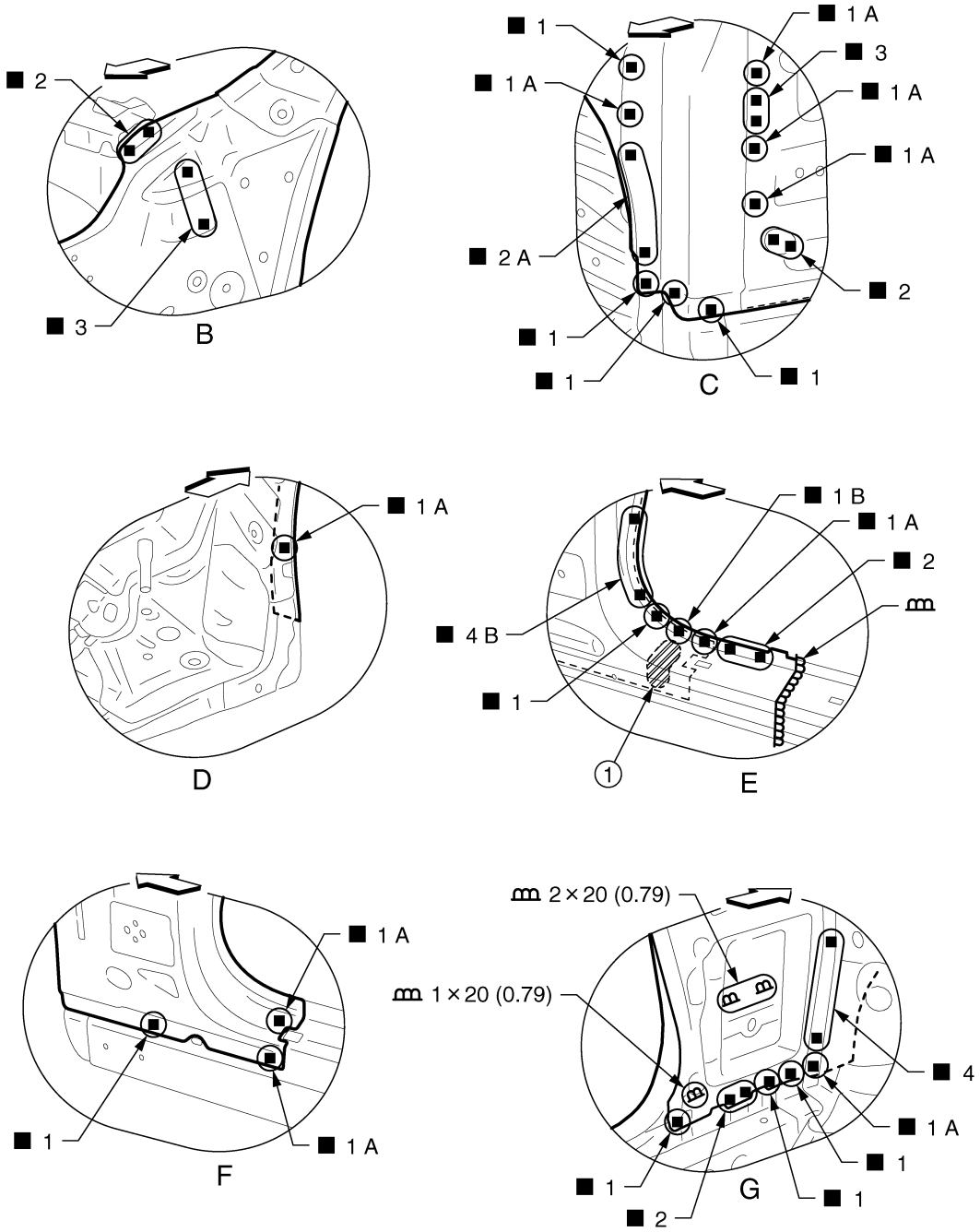
■: Perform the plug welding instead of the laser welding.

Replacement parts

- Outer front side body (LH)
- Front pillar brace (LH)
- Outer side roof rail reinforcement (LH)
- Upper rear hoodledge (LH)
- Upper inner front pillar assembly (LH)

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0603GB

- 1. Urethane foam
- Unit: mm (in)
- ↔: Vehicle front

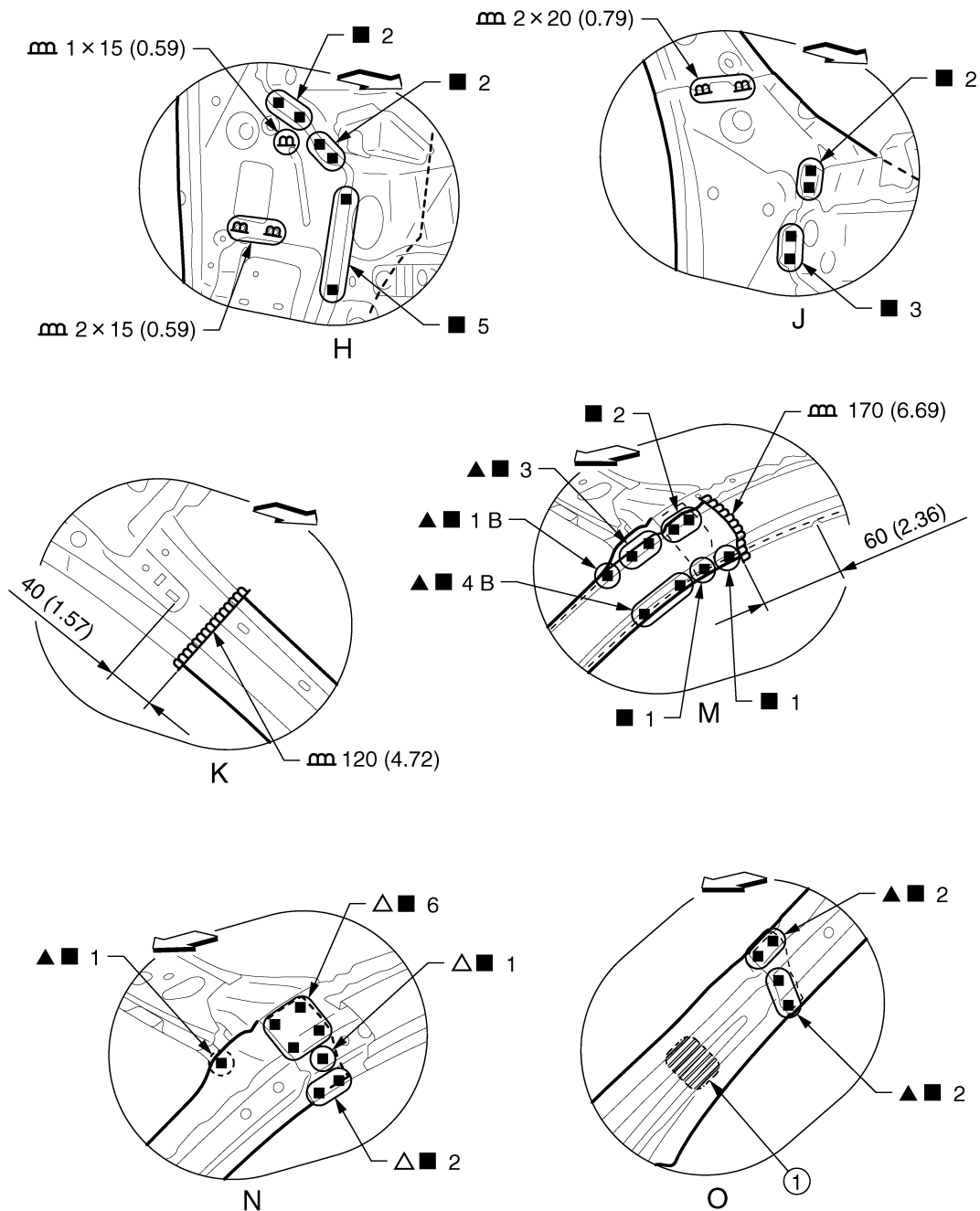
View B: Before installing outer front side body and front pillar brace  
 View F: Before installing outer front side body

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0604GB

Unit: mm (in)

↔: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

△: Drill  $\phi 11$  mm (0.43 in) hole for the plug welding hole (ultra high strength steel plate).

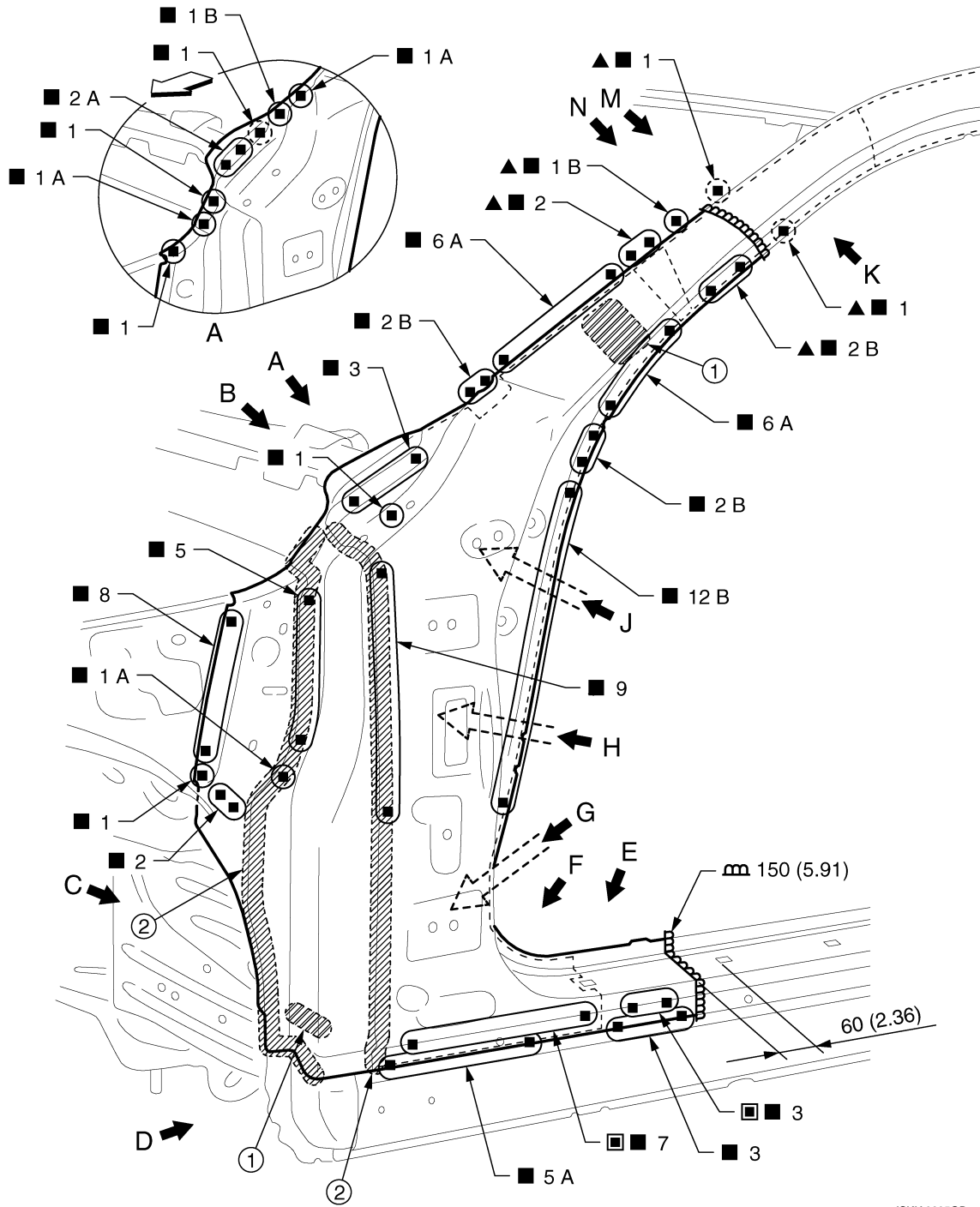
View N and O: Before installing outer front side body  
**Front Pillar (Partial Replacement)**

INFOID:000000006346046

Work after hoodledge reinforcement is removed.

# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >



JSKIA0605GB

1. Urethane foam

2. Body sealing

Unit: mm (in)

◁: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

■: Perform the plug welding instead of the laser welding.

Replacement parts

● Outer front side body (LH)

● Front pillar brace (LH)

● Upper rear hoodledge (LH)

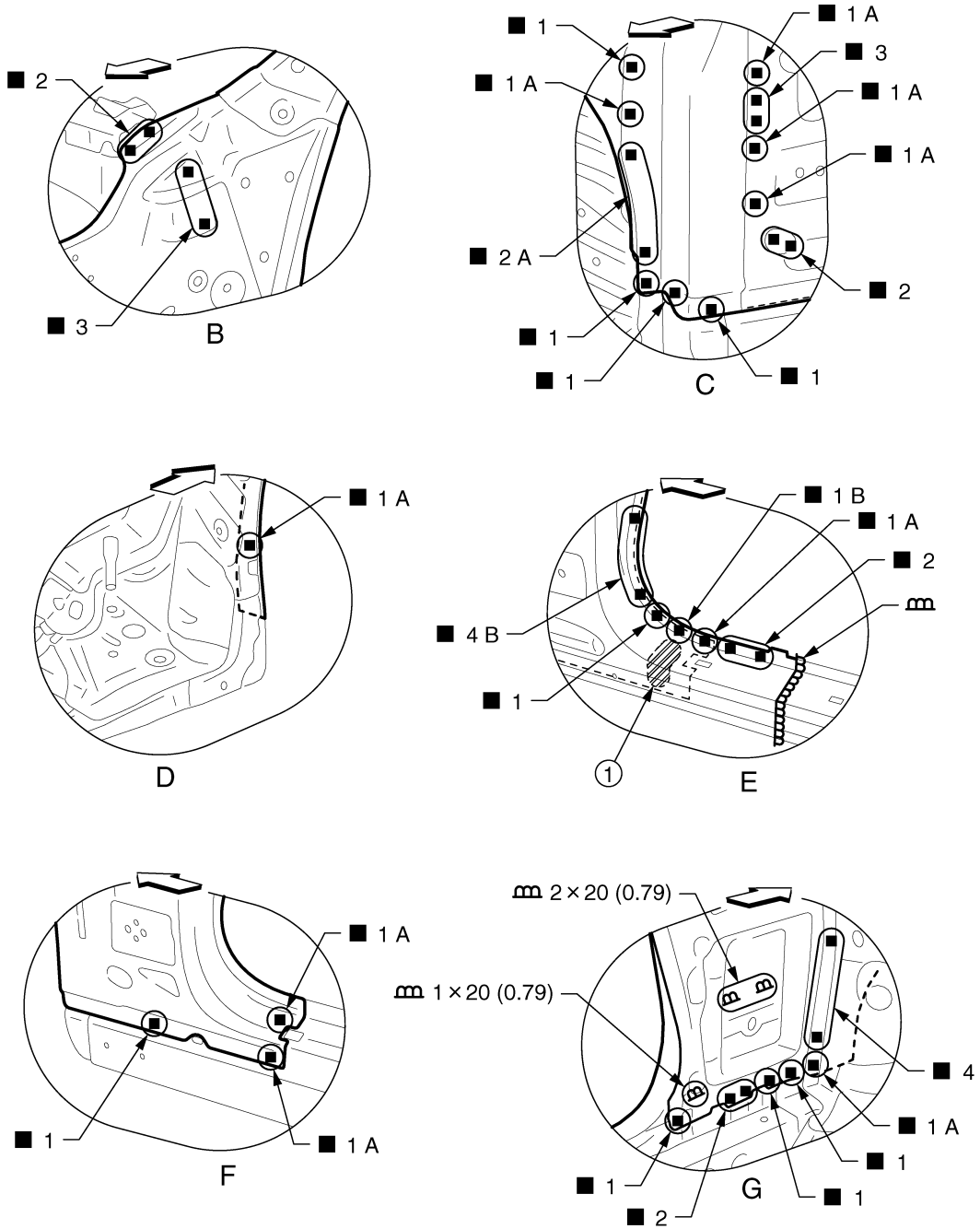
● Upper inner front pillar assembly (LH)

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0606GB

1. Urethane foam

Unit: mm (in)

↔: Vehicle front

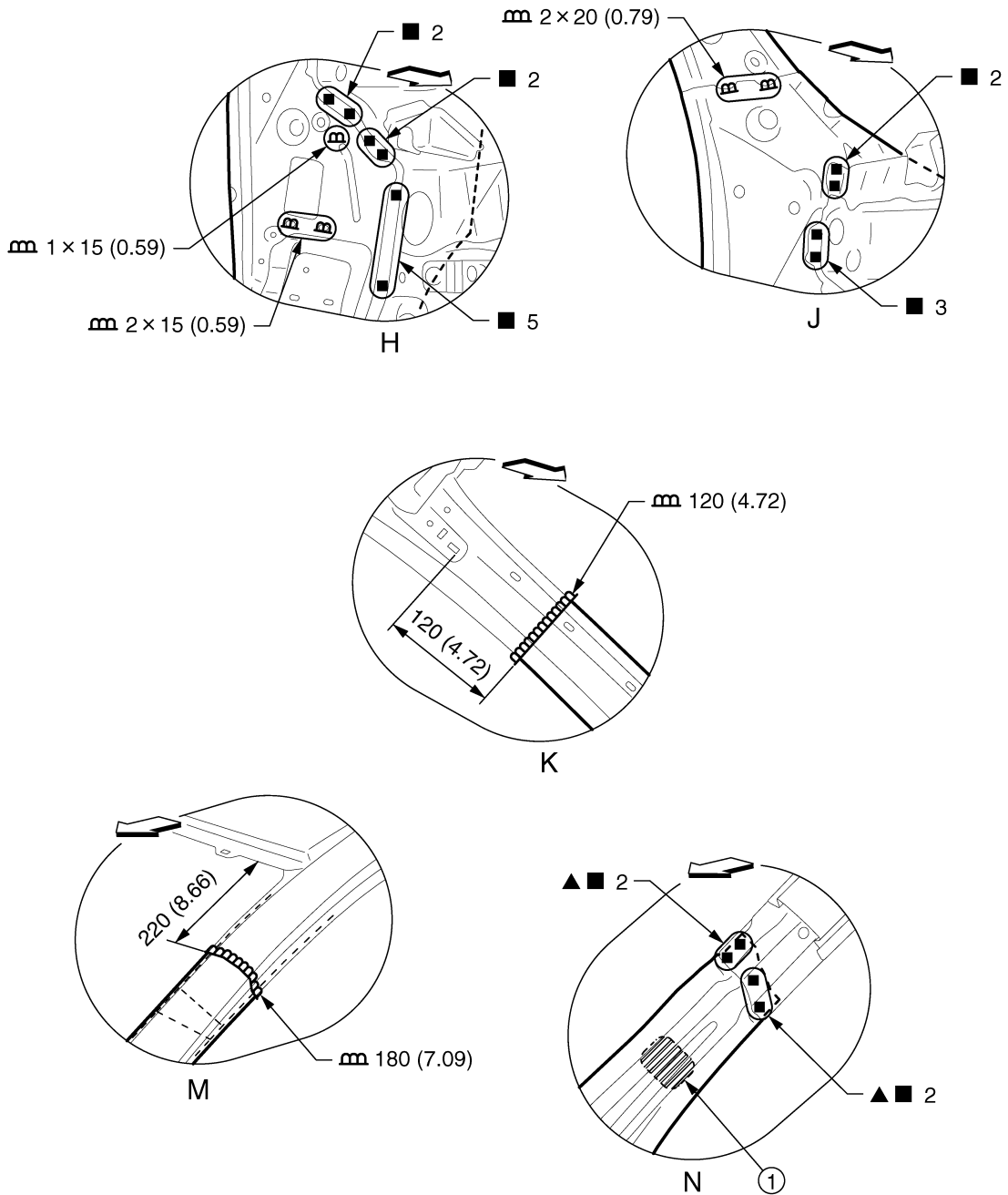
View B: Before installing outer front side body and front pillar brace

View F: Before installing outer front side body



# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



1. Urethane foam

Unit: mm (in)

↔: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

View N: Before installing outer front side body

### Center Pillar

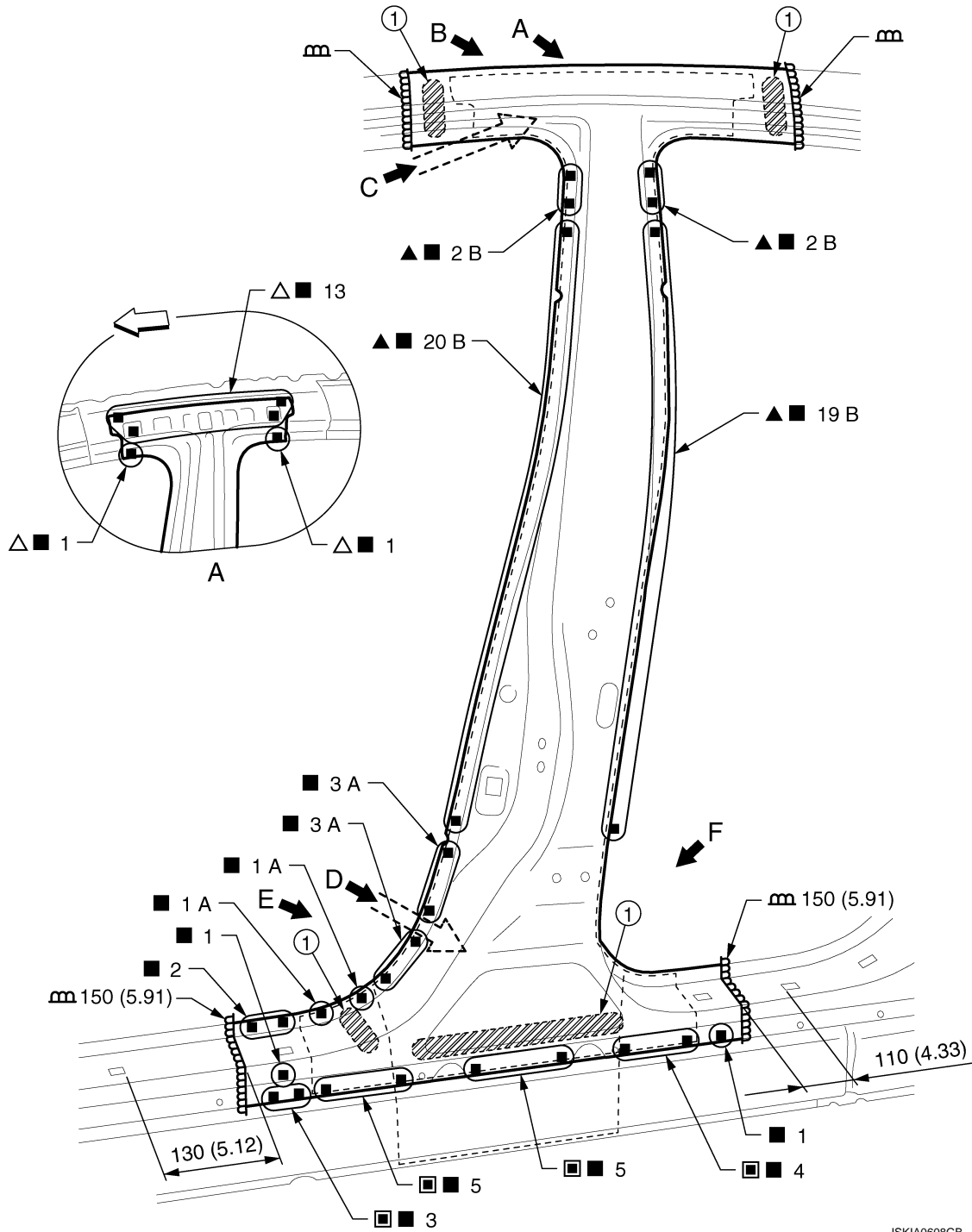
Work after roof is removed.

JSKIA0607GB

INFOID:000000006346047

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0608GB

1. Urethane foam

Unit: mm (in)

↔: Vehicle front

▲: Drill  $\phi 10$  mm (0.39 in) hole for the plug welding hole (ultra high strength steel plate).

△: Drill  $\phi 11$  mm (0.43 in) hole for the plug welding hole (ultra high strength steel plate).

■: Perform the plug welding instead of the laser welding.

Replacement parts

● Outer front side body (LH)

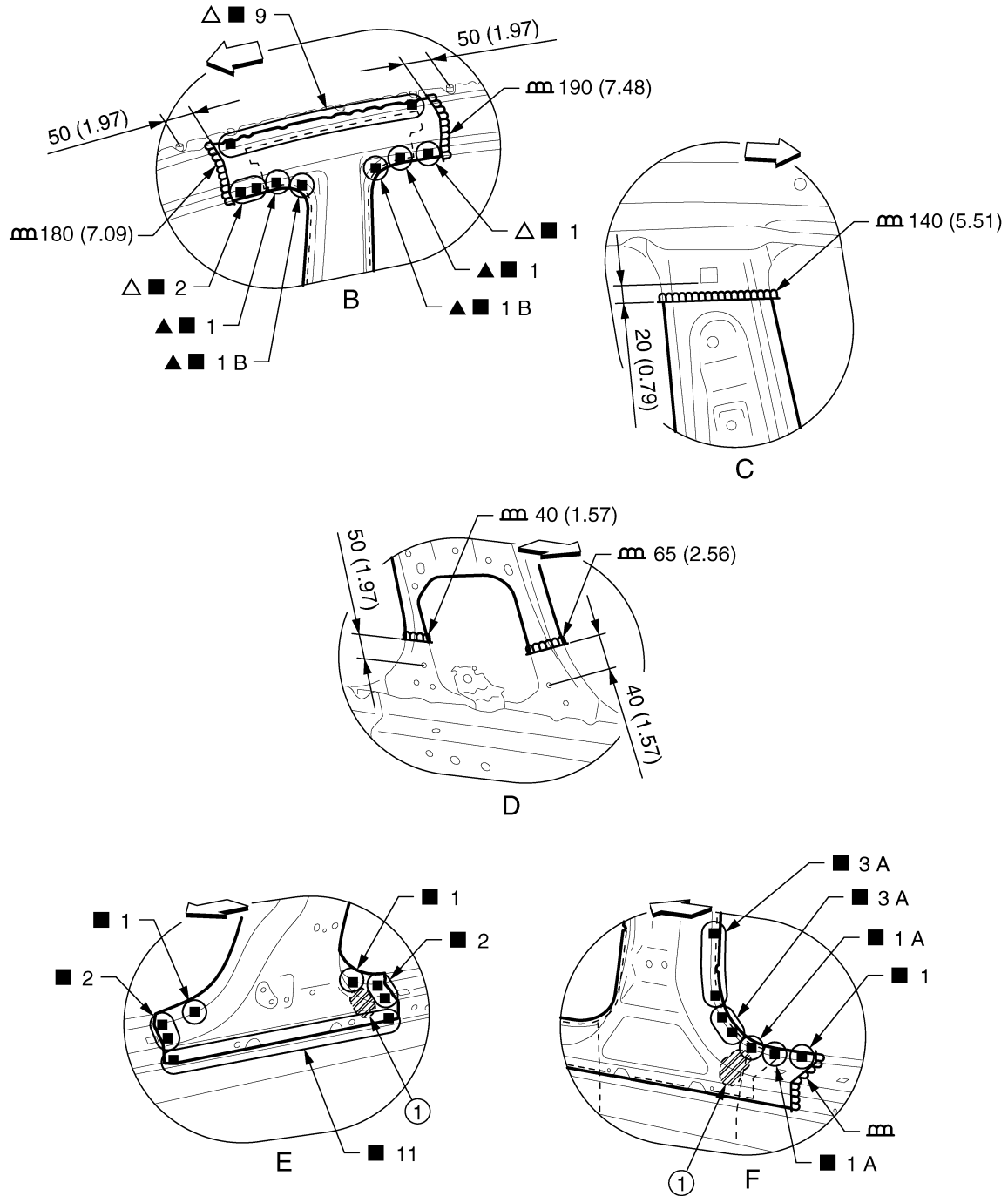
● Center pillar reinforcement (LH)

● Inner center pillar (LH)

View A: Before installing outer front side body

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



1. Urethane foam

Unit: mm (in)

⇐: Vehicle front

▲: Drill  $\phi 10$  mm (0.39 in) hole for the plug welding hole (ultra high strength steel plate).

△: Drill  $\phi 11$  mm (0.43 in) hole for the plug welding hole (ultra high strength steel plate).

View E: Before installing outer front side body

### Outer Sill

Work after hoodledge reinforcement is removed.

JSKIA0609GB

INFOID:000000006346048

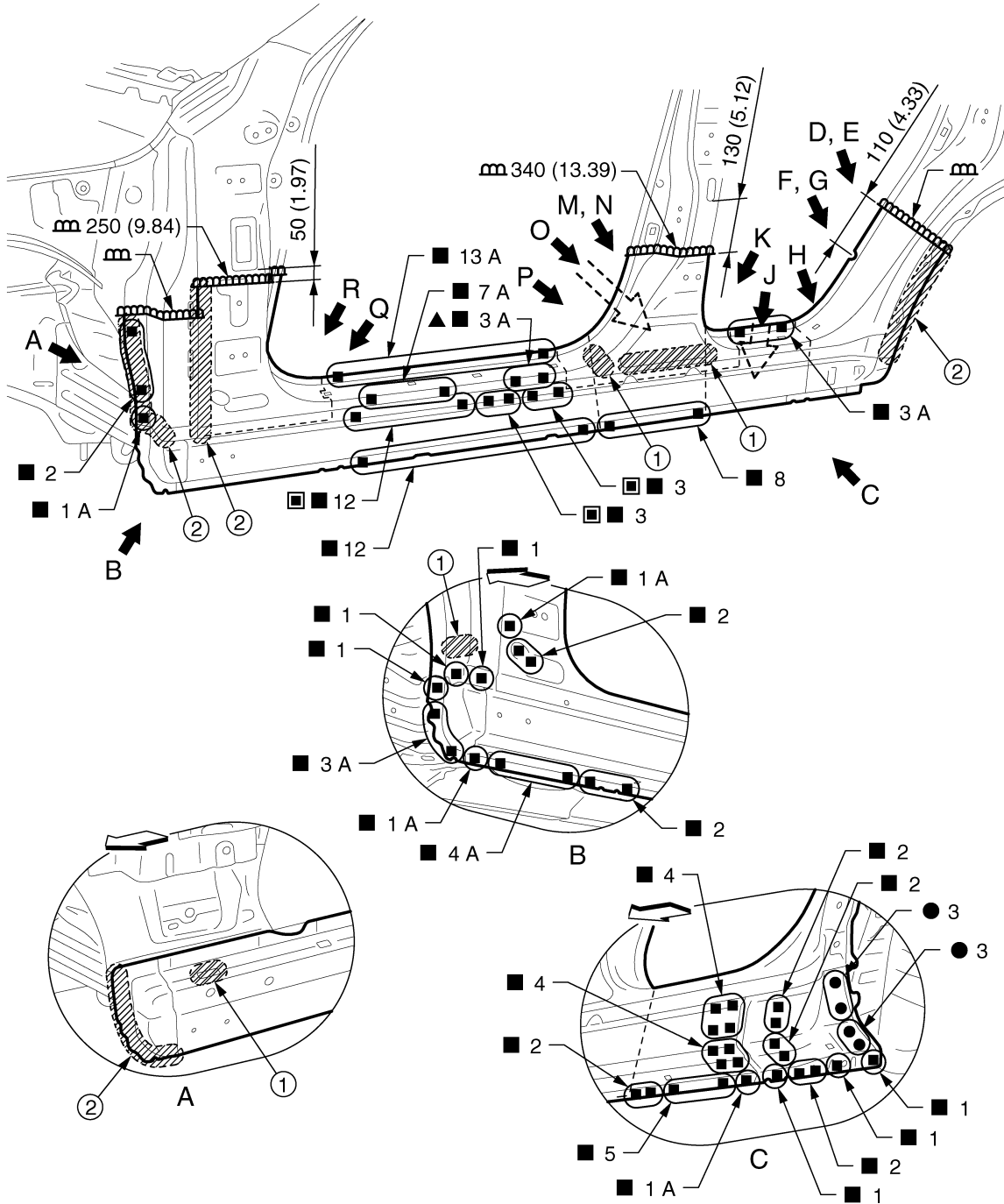
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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >

Remove the front pillar brace and the center pillar reinforcement (reusable).



JSKIA0610GB

1. Urethane foam

2. Body sealing

Unit: mm (in)

↔: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

■: Perform the plug welding instead of the laser welding.

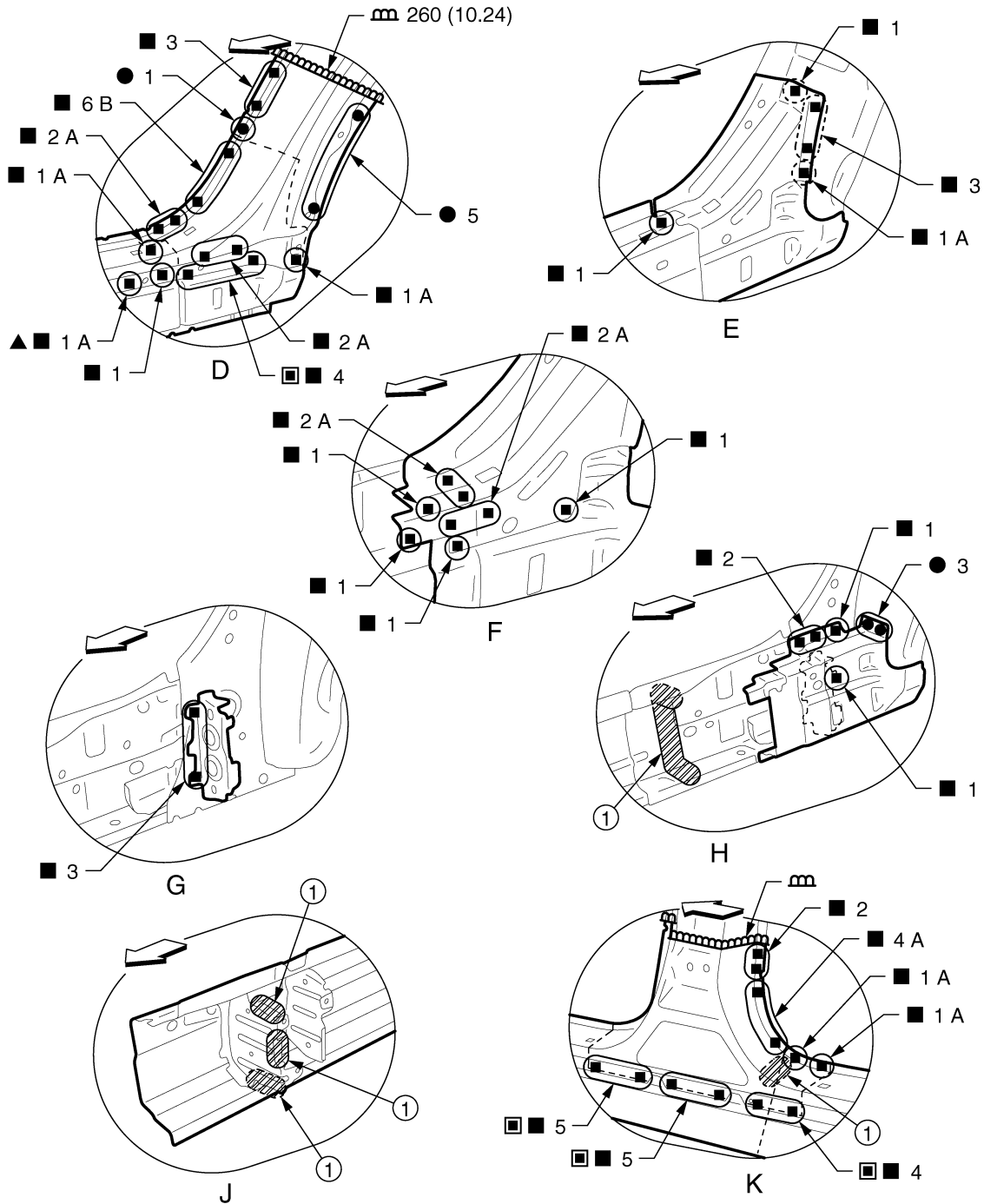
Replacement parts

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >

- Outer sill (LH)
- Outer sill reinforcement (LH)
- Upper outer rear wheelhouse extension (LH)
- Lower outer rear wheelhouse extension (LH)

View A: Before installing outer sill and front pillar brace



1. Urethane foam

Unit: mm (in)

←: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

■: Perform the plug welding instead of the laser welding.

JSKIA0611GB

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >

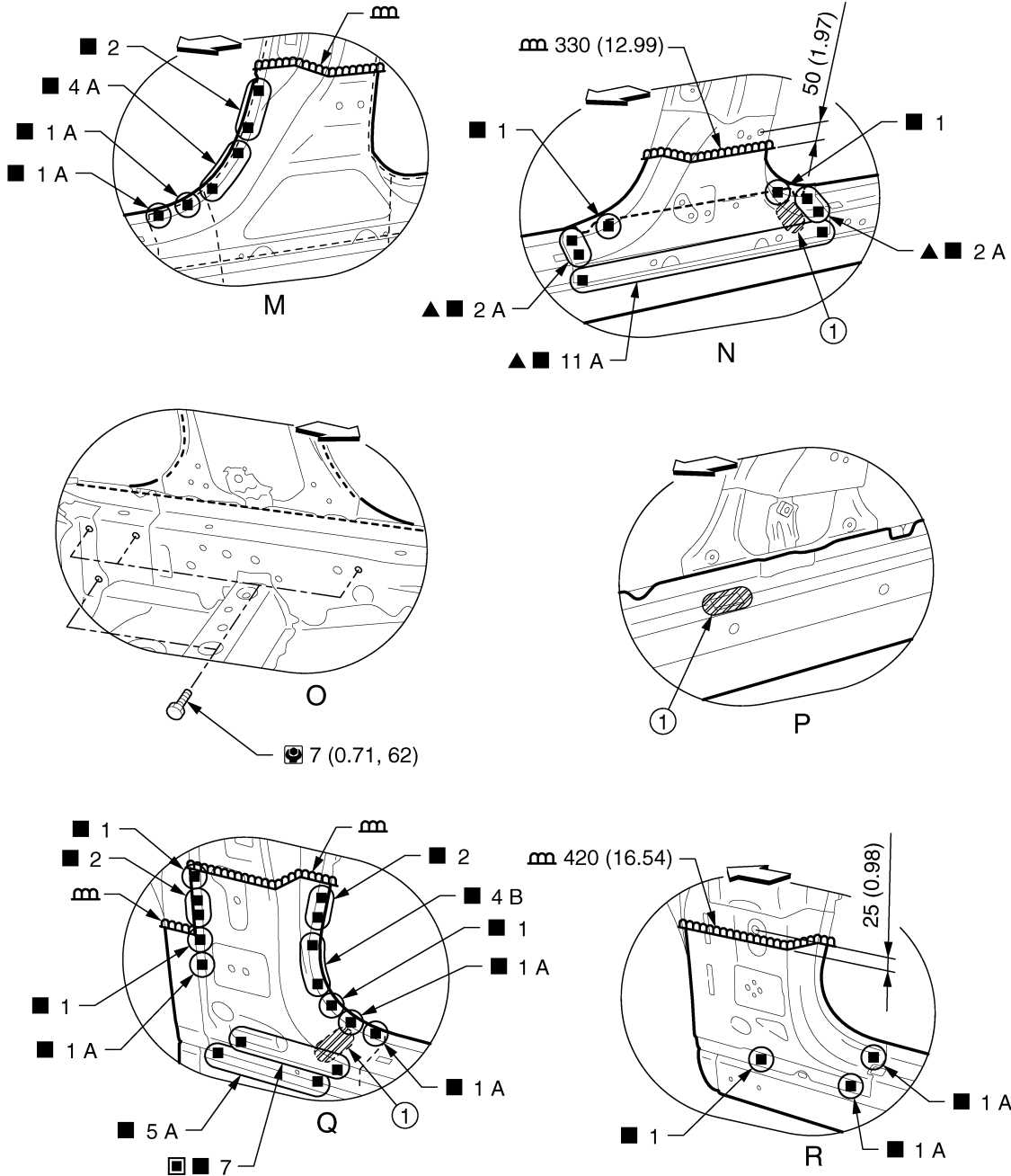
View E: Before installing outer sill

View F: Before installing outer sill and outer sill reinforcement

View G: Before installing outer sill, outer sill reinforcement, upper outer rear wheelhouse extension, and lower outer rear wheelhouse extension

View H: Before installing outer sill, outer sill reinforcement, and upper outer rear wheelhouse extension

View J: Outer sill reinforcement (replacement parts)



JSKIA0612GB

1. Urethane foam

Unit: mm (in)

←: Vehicle front

▲: Drill  $\phi 8$  mm (0.31 in) hole for the plug welding hole (ultra high strength steel plate).

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >

■: Perform the plug welding instead of the laser welding.

Refer to [GI-4, "Components"](#) for symbols in the figure.

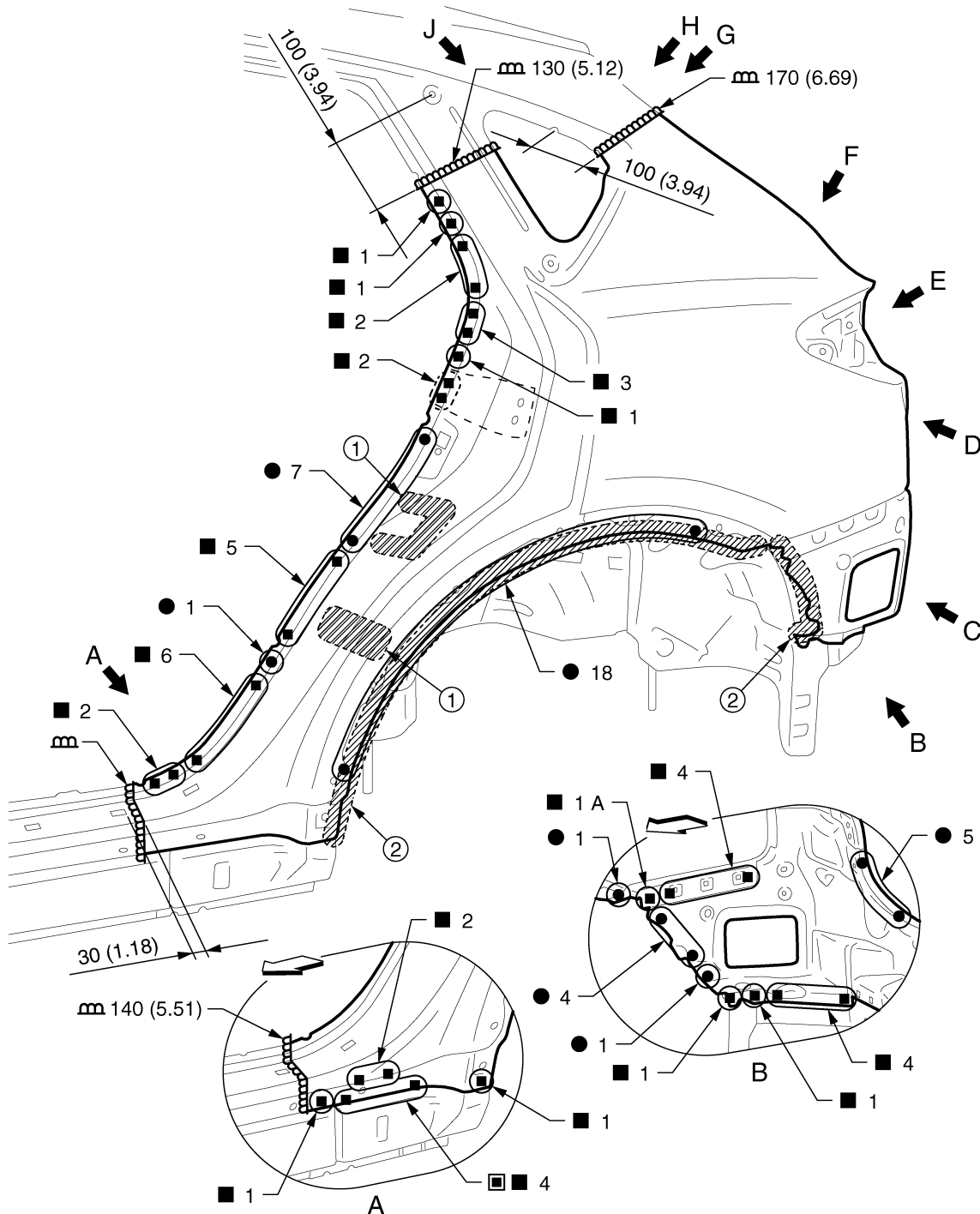
View N and R: Before installing outer sill

View P: Before installing outer sill and center pillar reinforcement

### Rear Fender

INFOID:000000006346049

Remove the tail pillar assembly and rear fender extension from the rear fender assembly service part for easier installation.



1. Urethane foam  
Unit: mm (in)

2. Body sealing

JSKIA0613GB

# REPLACEMENT OPERATIONS

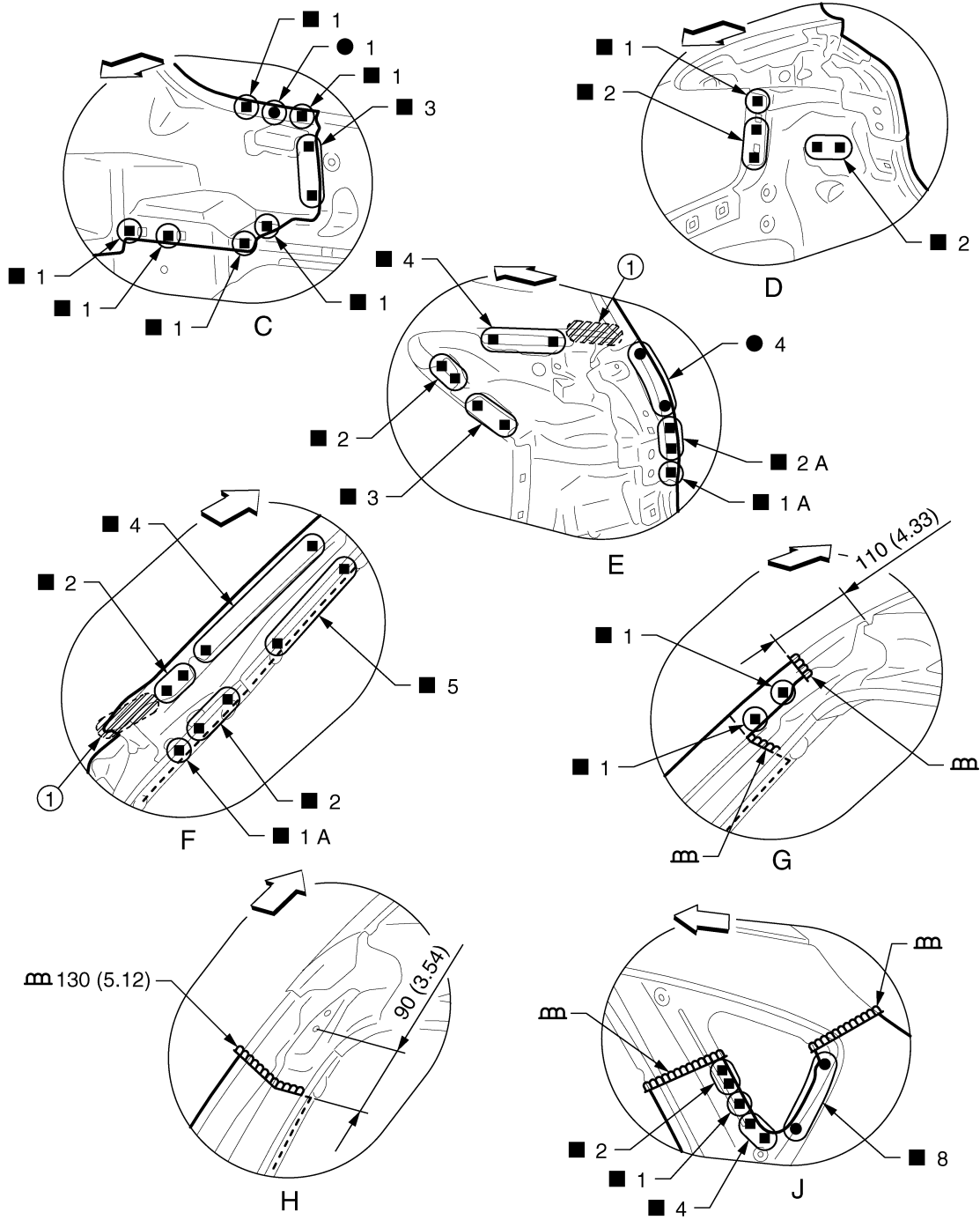
## < REMOVAL AND INSTALLATION >

↔: Vehicle front

■: Perform the plug welding instead of the laser welding.

Replacement parts

- Rear fender assembly (LH)



JSKIA0614GB

1. Urethane foam

Unit: mm (in)

↔: Vehicle front

View H: Before installing rear fender

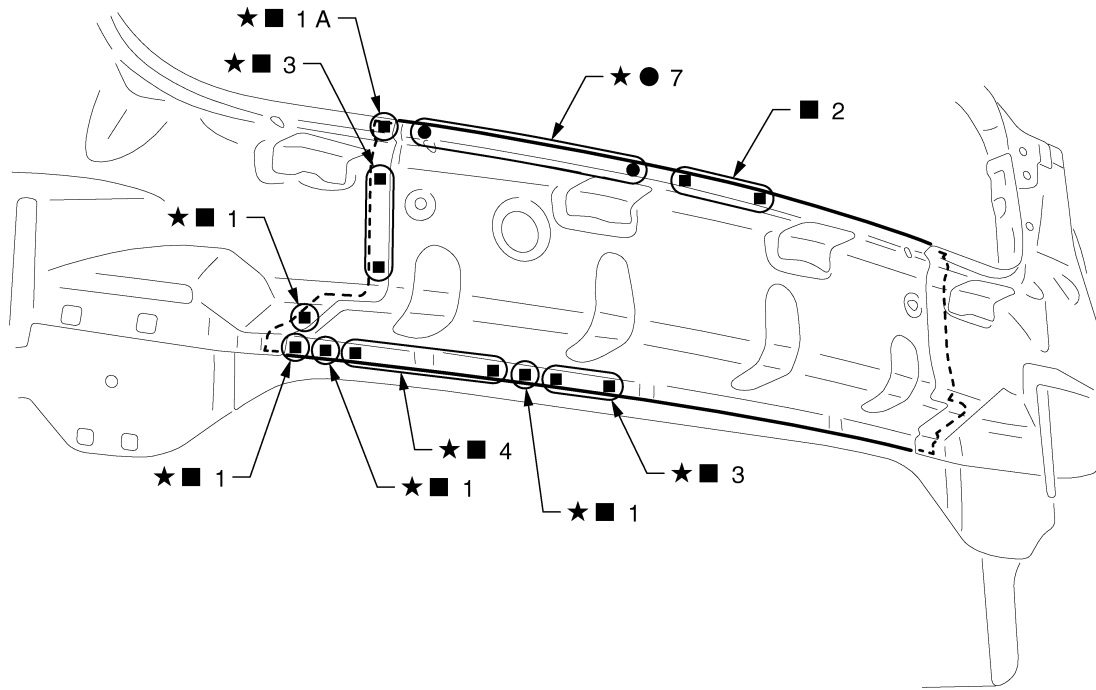


# REPLACEMENT OPERATIONS

< REMOVAL AND INSTALLATION >

## Rear Panel

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JSKIA0615ZZ

★: An equivalent welding portion with the same dimensions is on the opposite side.

Replacement parts

- Rear panel assembly

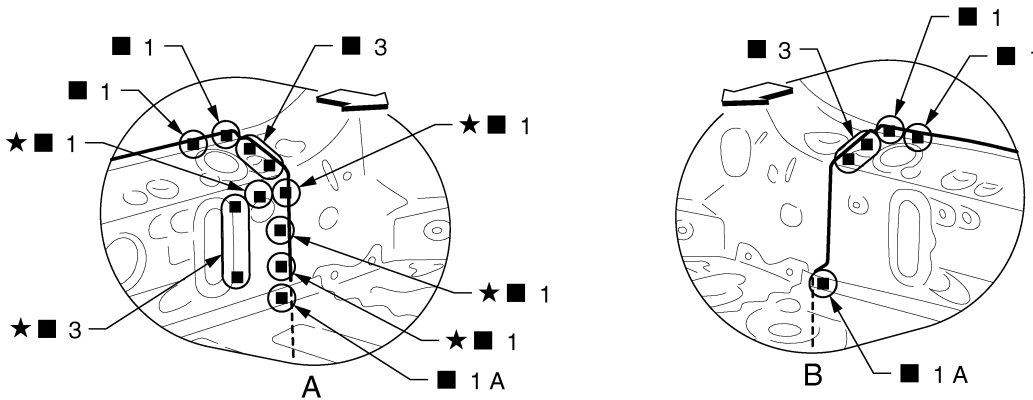
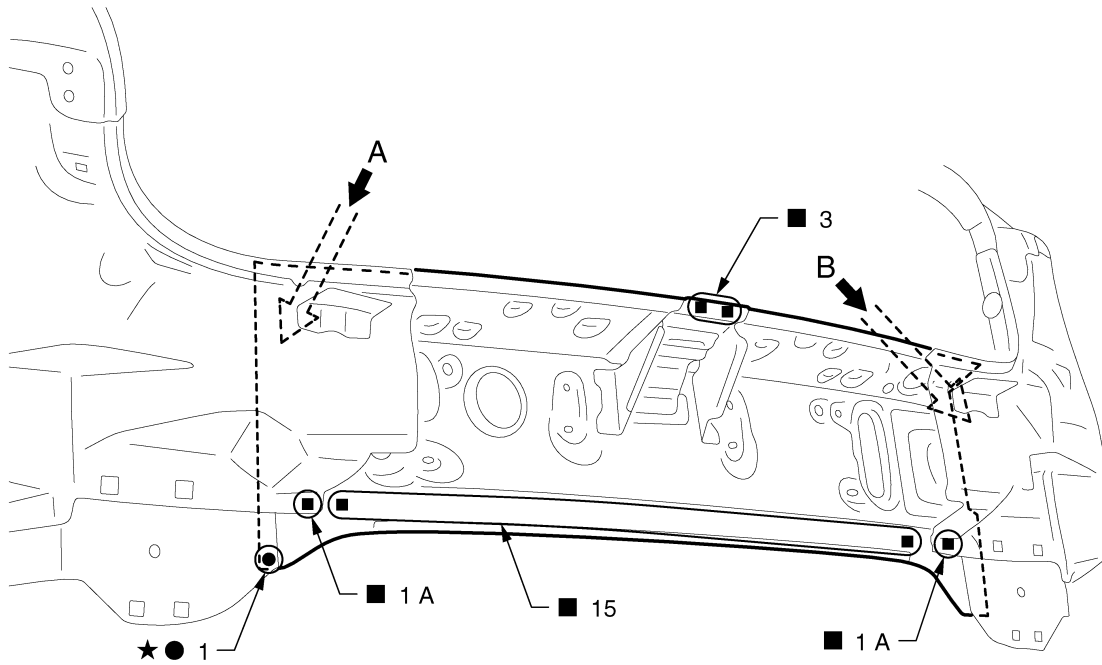
## Rear End Crossmember

INFOID:000000006346051

Work after rear panel is removed.

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0616ZZ

↶: Vehicle front

★: An equivalent welding portion with the same dimensions is on the opposite side.

Replacement parts

- Rear end crossmember assembly

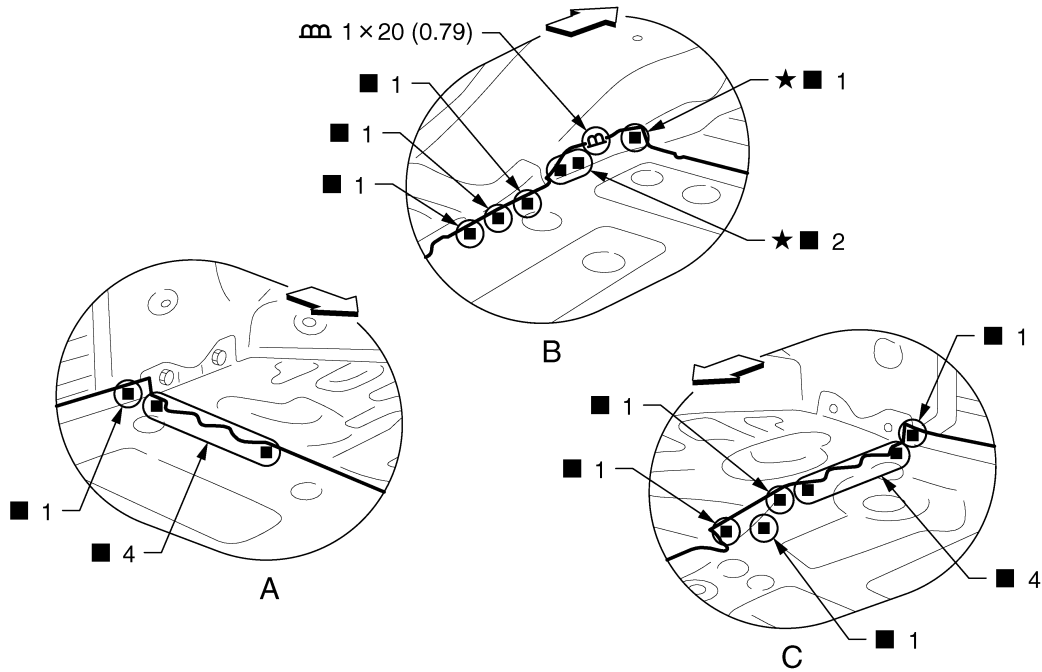
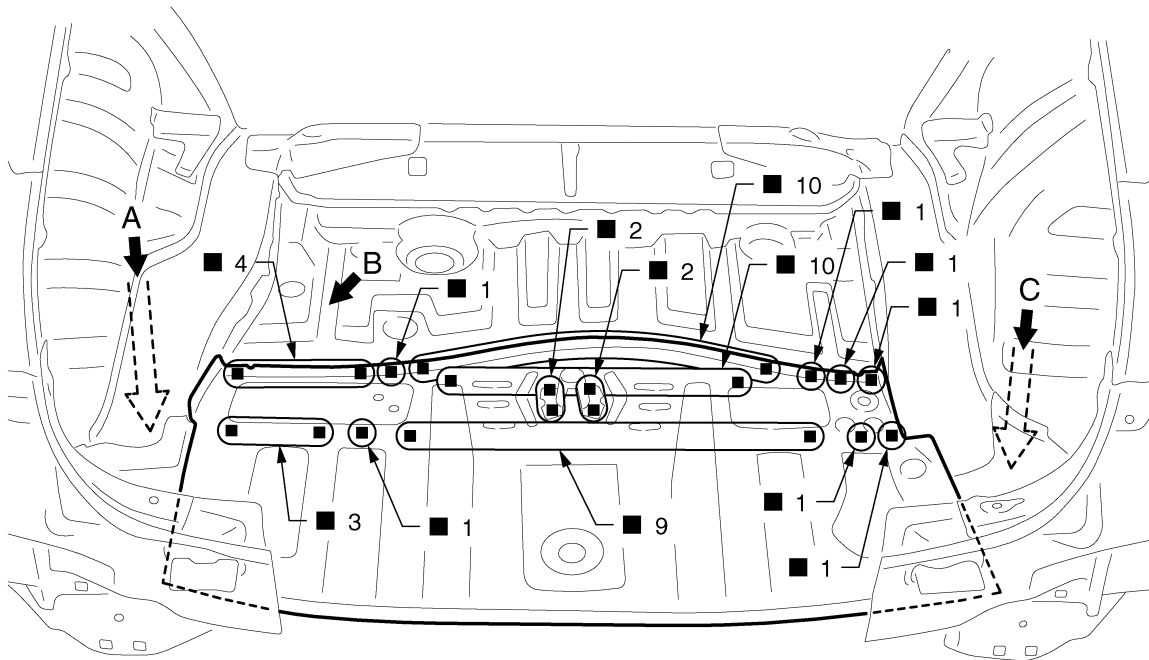
### Rear Floor Rear

INFOID:000000006346052

Work after rear panel and rear end crossmember assembly are removed.

# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA0617GB

unit: mm (in)

⇐: Vehicle front

★: An equivalent welding portion with the same dimensions is on the opposite side.

Replacement parts

● Rear floor rear

● Spare tire clamp bracket

### Rear Side Member Extension

INFOID:000000006346053

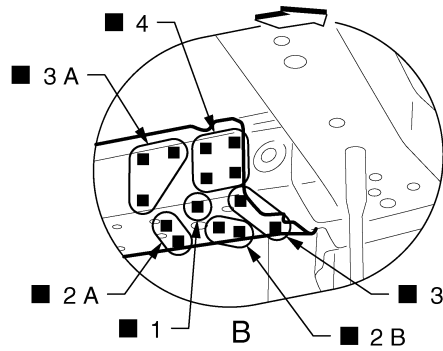
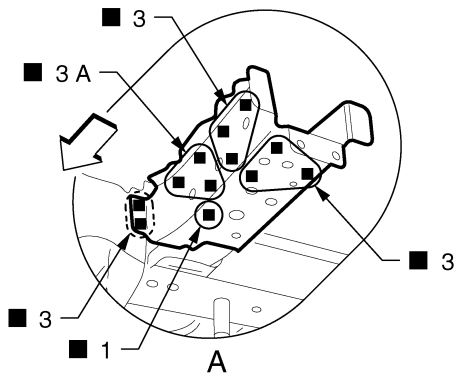
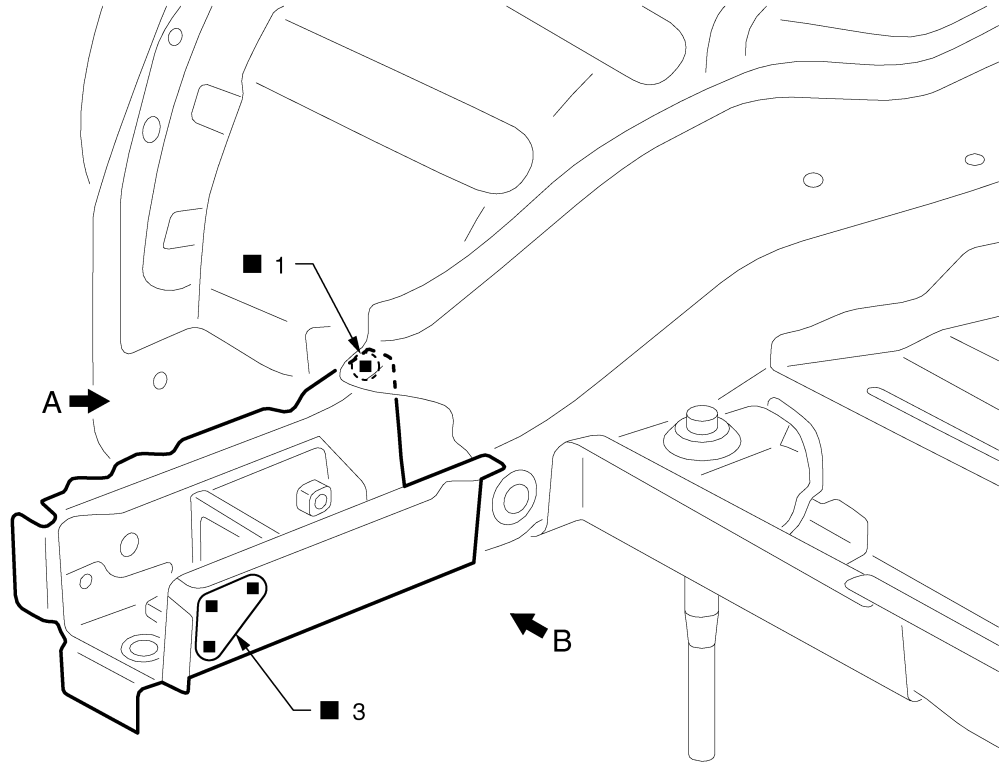
Work after rear panel, rear end crossmember, rear fender extension, lower inner rear pillar, rear floor rear, and rear floor side are removed.

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# REPLACEMENT OPERATIONS

## < REMOVAL AND INSTALLATION >



JSKIA1955ZZ

←: Vehicle front

Replacement parts

- Rear side member extension (LH)
- Rear side member extension reinforcement assembly (LH)

# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)

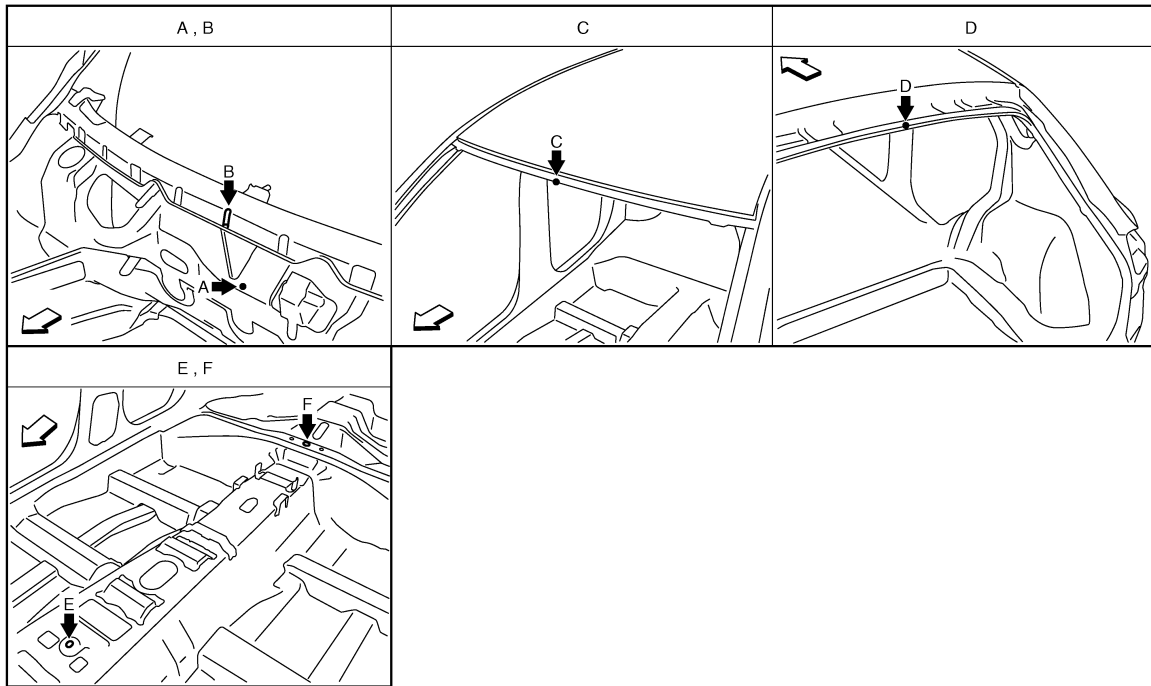
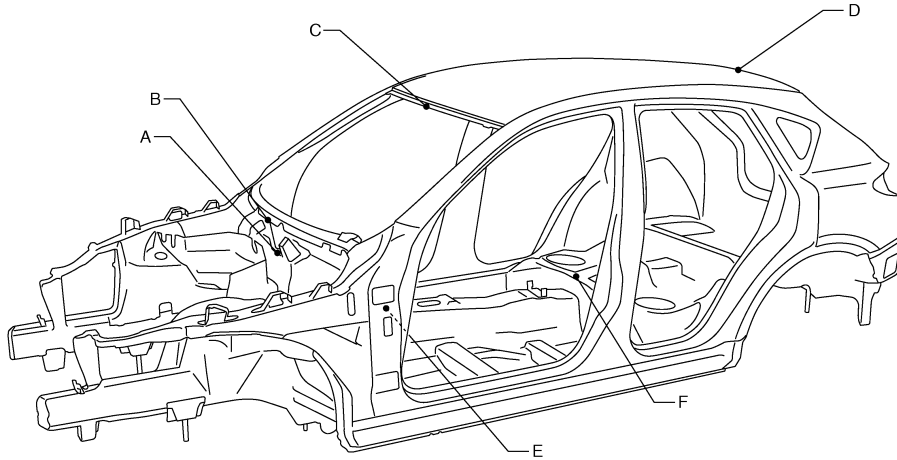
## SERVICE DATA AND SPECIFICATIONS (SDS)

### BODY ALIGNMENT

#### Body Center Marks

INFOID:000000006346054

A mark is placed on each part of the body to indicate the vehicle center. When repairing the vehicle frame (members, pillars, etc.) damaged by an accident which it enables more accurate and effective repair by using these marks together with body alignment specifications.



JSKIA0578ZZ

↶ Vehicle front

Unit: mm (in)

Points	Portion	Marks
A	Upper dash	Embossment
B	Upper dash crossmember	Bead
C	Front roof	Embossment
D	Rear roof	Indent

# BODY ALIGNMENT

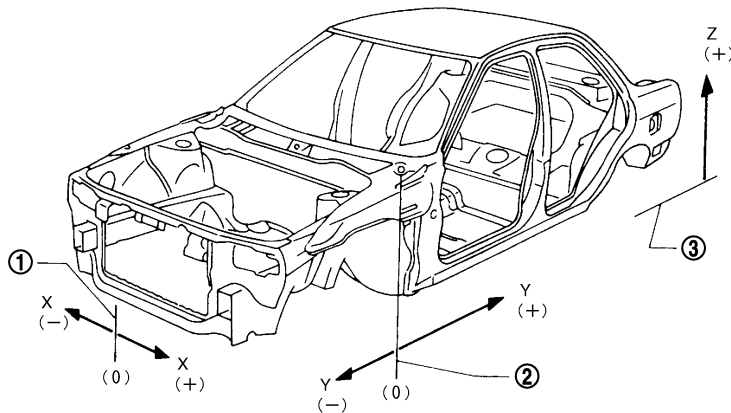
## < SERVICE DATA AND SPECIFICATIONS (SDS)

Points	Portion	Marks
E	Trans control reinforcement	Hole 12×14 (0.47×0.55)
F	Rear seat crossmember reinforcement	Hole φ5 (0.20)

### Description

INFOID:000000006346055

- All dimensions indicated in the figures are actual.
- When using a tracking gauge, adjust both pointers to equal length. Then check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check that there is no elongation, twisting, or bending.
- Measurements should be taken at the center of the mounting holes.
- An asterisk (\*) following the value at the measuring point indicates that the measuring point on the other side is symmetrically the same value.
- The coordinates of the measurement points are the distances measured from the standard line of "X", "Y" and "Z".
- "Z": Imaginary base line [200 mm (7.87 in) below datum line ("0Z" at design plan)]



JSKIA0073GB

1. Vehicle center

2. Front axle center

3. Imaginary base line

### Engine Compartment (2WD)

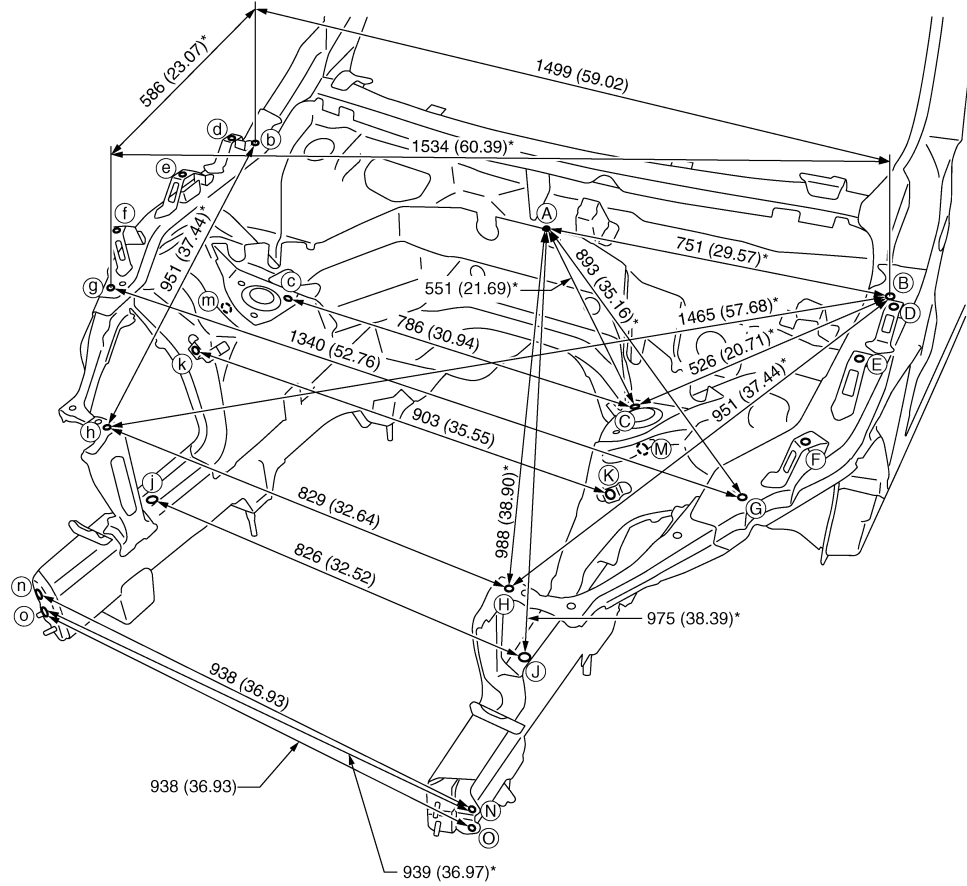
INFOID:000000006346056

#### MEASUREMENT

Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.

# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)



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JSKIA0561GB

Unit: mm (in)

«The others»

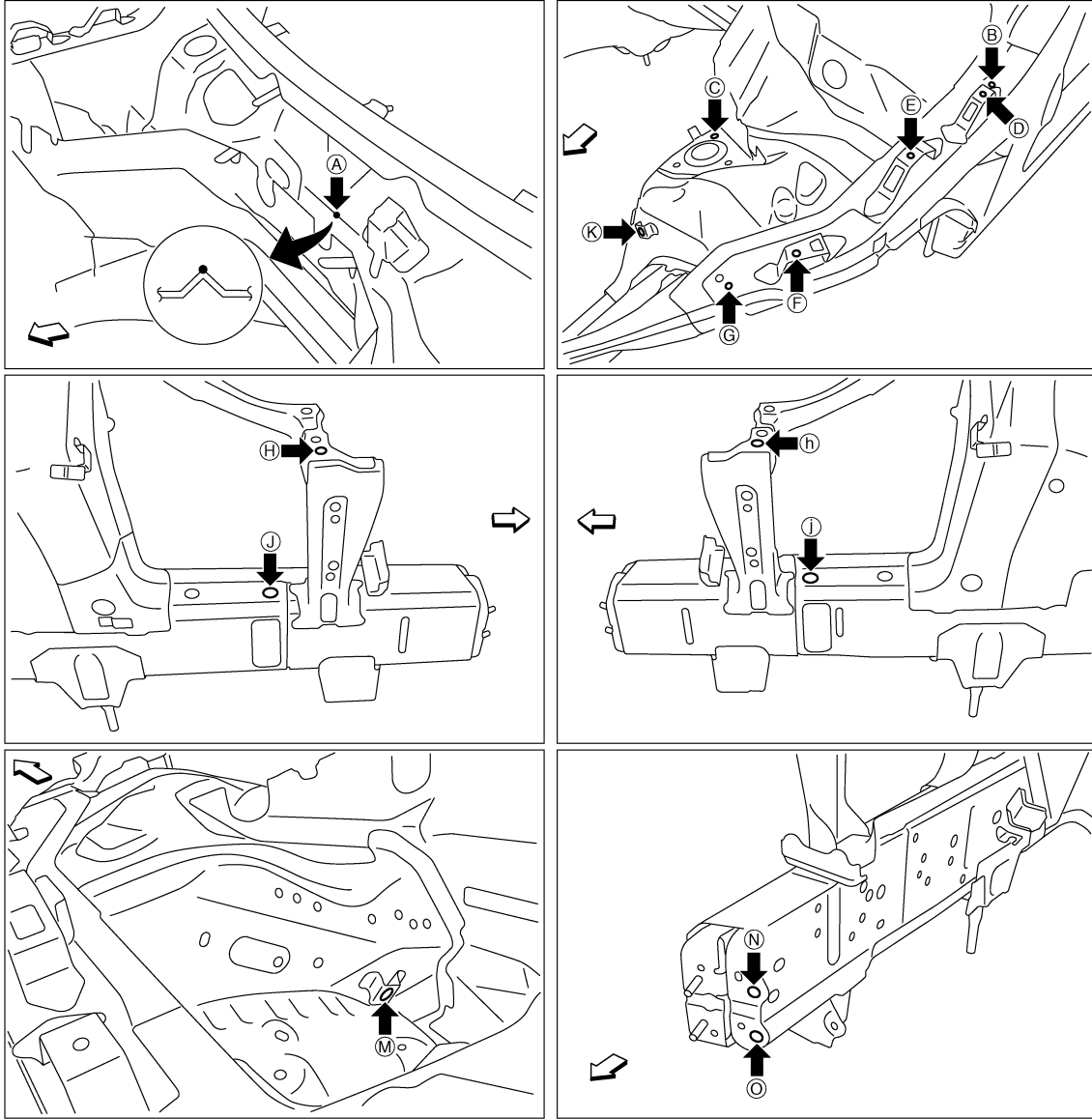
Unit: mm (in)

Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo
A - D	770 (30.31)*		B - d	1514 (59.61)*		C - k	875 (34.45)*		F - f	1471 (57.91)	
A - E	797 (31.38)*		B - E	246 (9.69)*		D - d	1525 (60.04)		M - m	903 (35.55)	
A - F	894 (35.20)*		B - e	1520 (59.84)*		D - F	435 (17.13)*				
B - c	1206 (47.48)*		B - F	493 (19.41)*		D - f	1559 (61.38)*				
B - D	70 (2.76)*		B - f	1565 (61.61)*		E - e	1502 (59.13)				

### MEASUREMENT POINTS

# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0562ZZ

↶: Vehicle front

Unit: mm (in)

Point	Material	Point	Material
A	Upper dash positioning mark of center positioning mark	H, h	Radiator core stay installing hole center $\phi 12$ (0.47)
B, b, G, g	Hoodedge reinforcement hole center B, b: $\phi 9$ (0.35) G, g: $\phi 5$ (0.20)	J, j	Front side member hole center $\phi 20$ (0.79)
C, c	Front strut installing hole center $\phi 11$ (0.43)	K, k, M, m	Nut holder hole center $\phi 16$ (0.63)
D, d, E, e, F, f	Front fender installing hole center $\phi 7$ (0.28)	N, n, O, o	Front bumper stay installing hole center $\phi 11$ (0.43)

## Engine Compartment (AWD)

INFOID:000000006346057

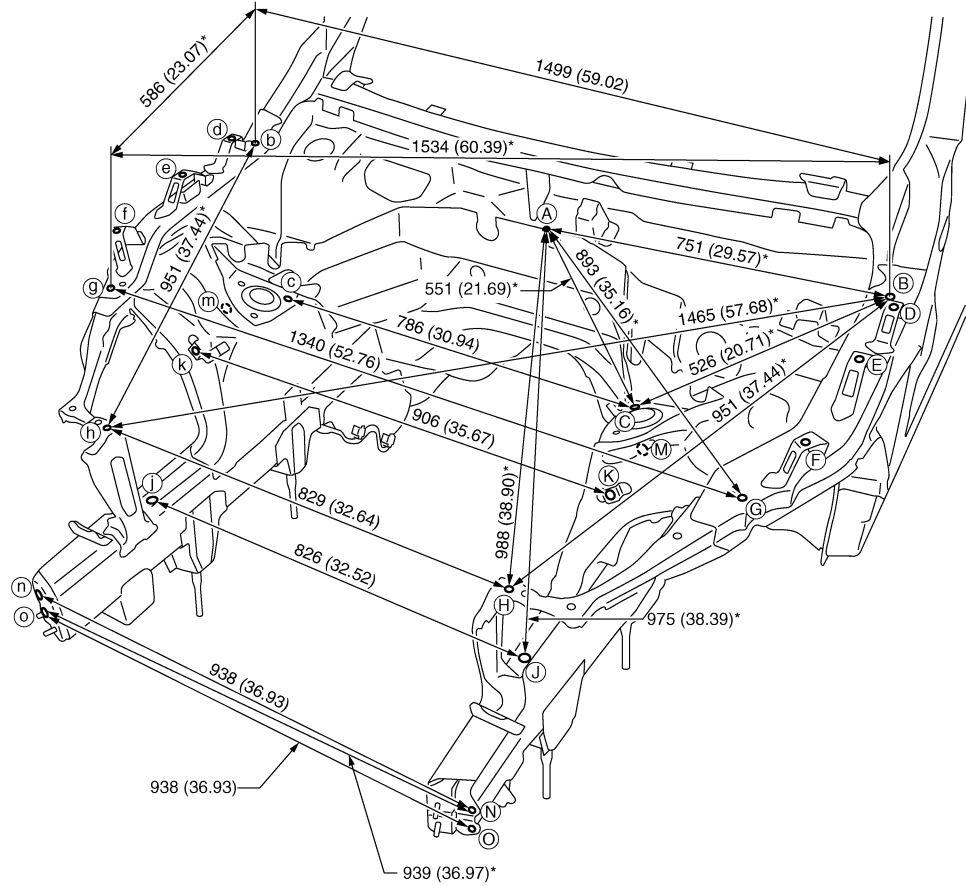
## MEASUREMENT



# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)

Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.



JSKIA1790GB

Unit: mm (in)

«The others»

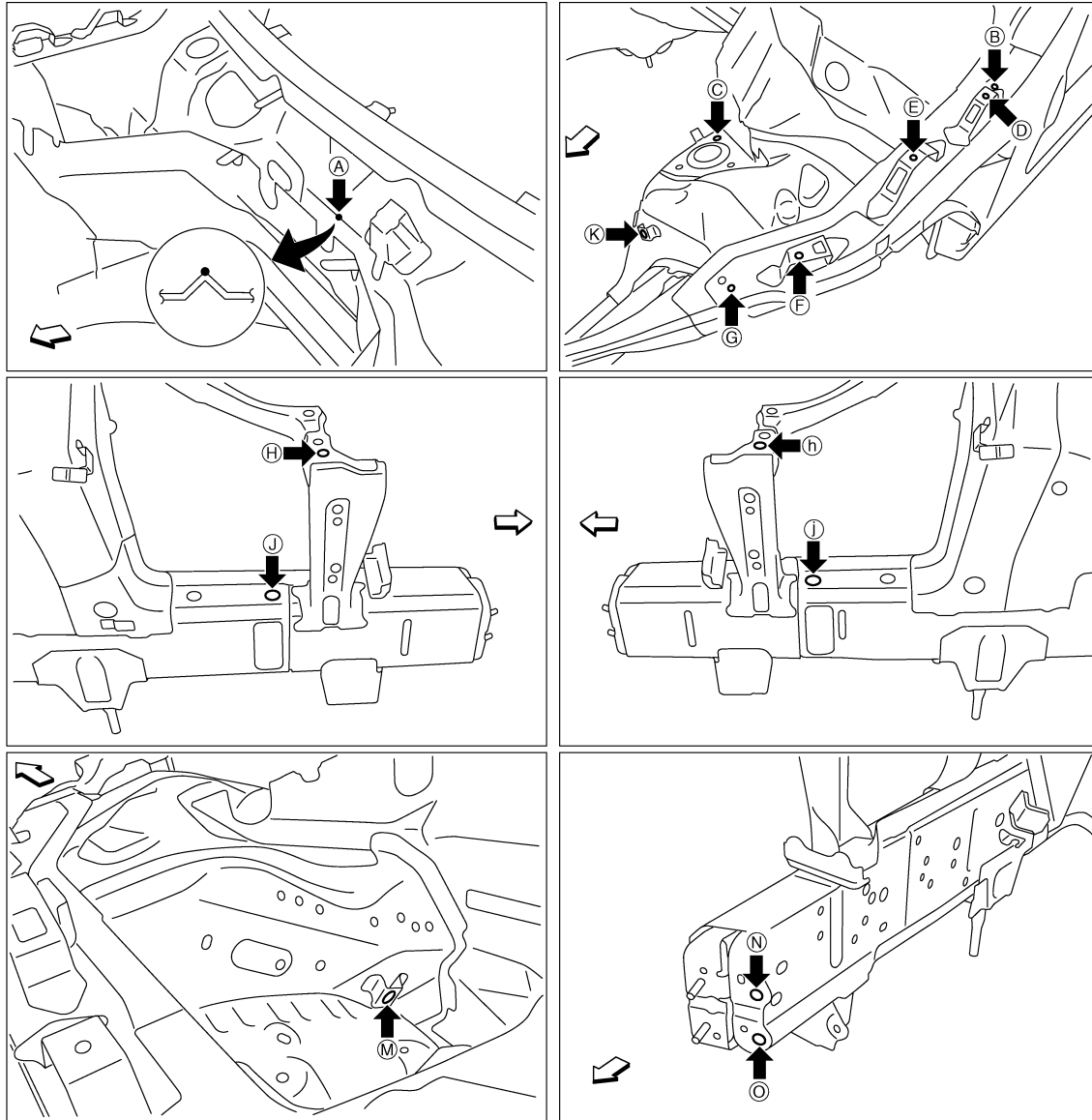
Unit: mm (in)

Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo
A - D	770 (30.31)*		B - d	1514 (59.61)*		C - k	878 (34.57)*		F - f	1471 (57.91)	
A - E	797 (31.38)*		B - E	246 (9.69)*		D - d	1525 (60.04)		M - m	906 (35.67)	
A - F	894 (35.20)*		B - e	1520 (59.84)*		D - F	435 (17.13)*				
B - c	1206 (47.48)*		B - F	493 (19.41)*		D - f	1559 (61.38)*				
B - D	70 (2.76)*		B - f	1565 (61.61)*		E - e	1502 (59.13)				

## MEASUREMENT POINTS

# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0562ZZ

↶: Vehicle front

Unit: mm (in)

Point	Material	Point	Material
A	Upper dash positioning mark of center positioning mark	H, h	Radiator core stay installing hole center $\phi 12$ (0.47)
B, b, G, g	Hoodedge reinforcement hole center B, b: $\phi 9$ (0.35) G, g: $\phi 5$ (0.20)	J, j	Front side member hole center $\phi 20$ (0.79)
C, c	Front strut installing hole center $\phi 11$ (0.43)	K, k, M, m	Nut holder hole center $\phi 16$ (0.63)
D, d, E, e, F, f	Front fender installing hole center $\phi 7$ (0.28)	N, n, O, o	Front bumper stay installing hole center $\phi 11$ (0.43)

### Underbody (2WD)

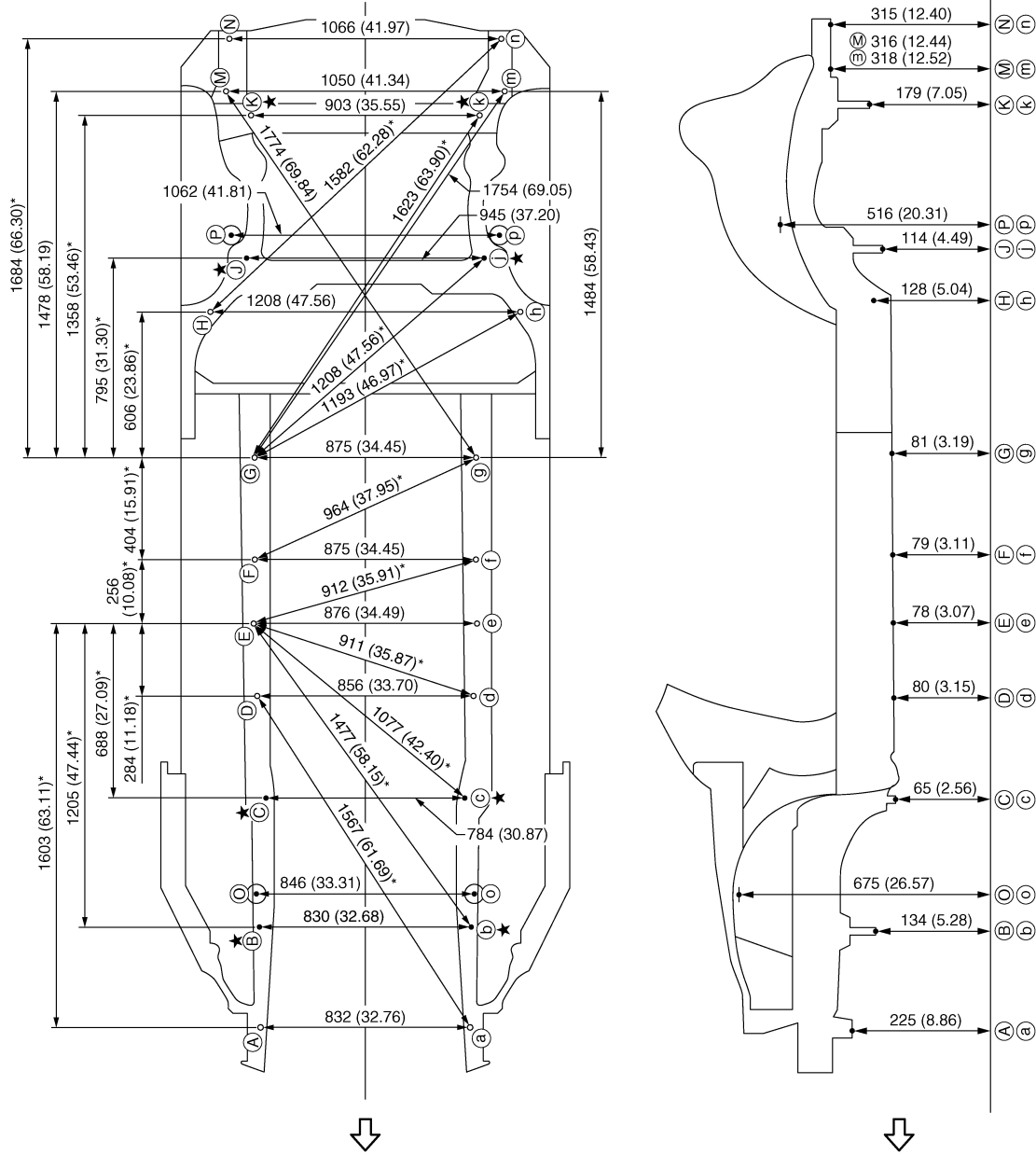
INFOID:000000006346058

### MEASUREMENT

# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)

Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.



- Unit: mm (in)
- ↳ Vehicle front
- ★: Bolt head

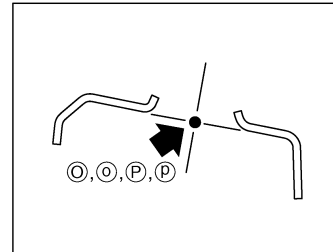
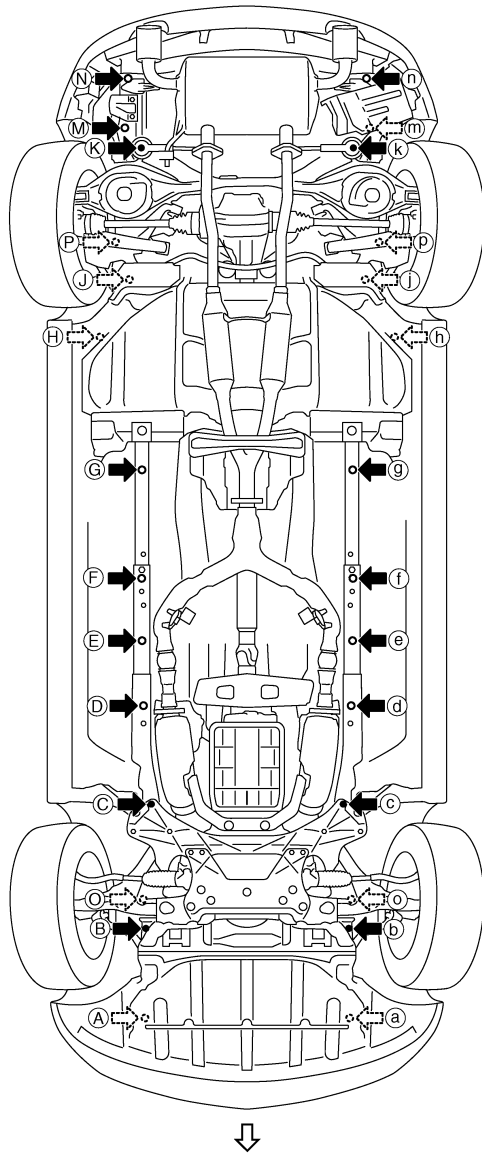
## MEASUREMENT POINTS

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BRM

# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0564ZZ

←: Vehicle front

# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)

Unit: mm (in)

Points	Coordinates			Remarks	Points	Coordinates			Remarks
	X	Y	Z			X	Y	Z	
A, a	±416.0 (±16.378)	-496.0 (-19.528)	224.5 (8.839)	Hole φ13 (0.51)	J, j	±472.6 (±18.606)	2553.8 (100.543)	114.0 (4.488)	Bolt head
B, b	±415.0 (±16.339)	-104.0 (-4.094)	133.5 (5.256)	Bolt head	K, k	±451.5 (±17.776)	3113.9 (122.594)	179.1 (7.051)	Bolt head
C, c	±392.0 (±15.433)	414.0 (16.299)	64.5 (2.539)	Bolt head	M	550.0 (21.654)	3214.6 (126.559)	316.4 (12.457)	Hole φ8 (0.31)
D, d	±428.0 (±16.850)	816.6 (32.150)	80.0 (3.150)	Hole 16×18 (0.63×0.71)	m	-500.0 (-19.685)	3223.3 (126.901)	318.0 (12.520)	Hole φ8 (0.31)
E, e	±438.0 (±17.244)	1100.0 (43.307)	78.0 (3.071)	Hole φ16 (0.63)	N, n	±533.0 (±20.984)	3425.0 (134.842)	315.4 (12.417)	Hole φ16 (0.63)
F, f	±437.5 (±17.224)	1355.9 (53.382)	78.8 (3.102)	Hole φ14 (0.55)	O, o	±423.0 (±16.654)	38.0 (1.496)	674.5 (26.555)	Hole φ50 (1.97)
G, g	±437.5 (±17.224)	1760.0 (69.291)	81.2 (3.197)	Hole φ16 (0.63)	P, p	±531.2 (±20.913)	2642.7 (104.043)	515.6 (20.299)	Hole φ64 (2.52)
H, h	±604.0 (±23.779)	2340.5 (92.145)	128.3 (5.051)	Hole φ13 (0.51)					

### Underbody (AWD)

INFOID:000000006346059

### MEASUREMENT

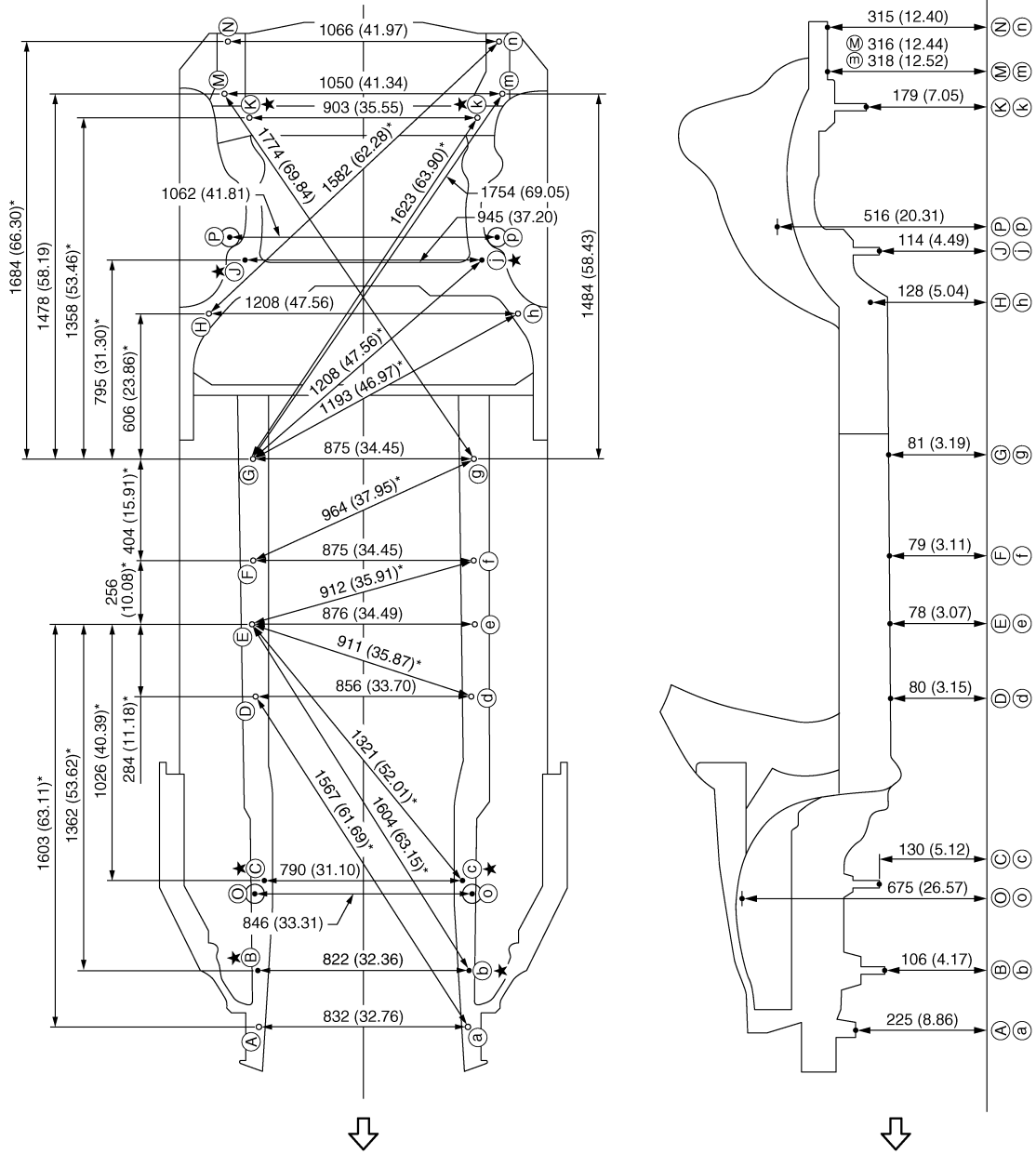
Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.

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**BRM**

# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)



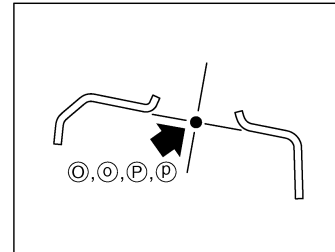
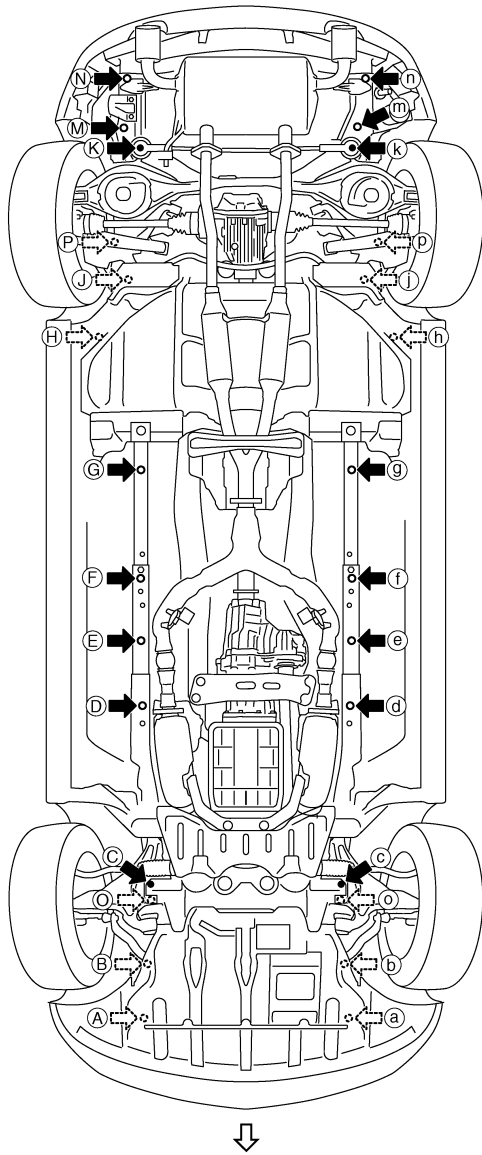
JSKIA0565GB

Unit: mm (in)  
 ◁: Vehicle front  
 ★: Bolt head

## MEASUREMENT POINTS

# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)



←: Vehicle front

JSKIA0567ZZ

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BRM

# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)

Unit: mm (in)

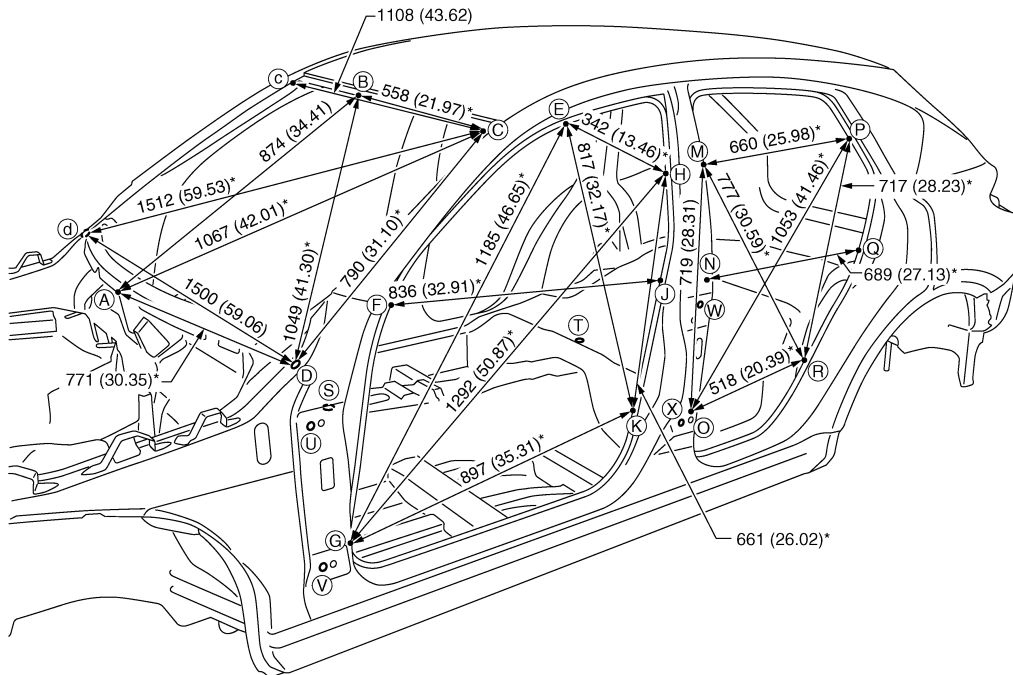
Points	Coordinates			Remarks	Points	Coordinates			Remarks
	X	Y	Z			X	Y	Z	
A, a	±416.0 (±16.378)	-496.0 (-19.528)	224.5 (8.839)	Hole φ13 (0.51)	J, j	±472.6 (±18.606)	2553.8 (100.543)	114.0 (4.488)	Bolt head
B, b	±411.0 (±16.181)	-261.0 (-10.276)	105.5 (4.154)	Bolt head	K, k	±451.5 (±17.776)	3113.9 (122.594)	179.1 (7.051)	Bolt head
C, c	±395.0 (±15.551)	76.0 (2.992)	129.5 (5.098)	Bolt head	M	550.0 (21.654)	3214.6 (126.559)	316.4 (12.457)	Hole φ8 (0.31)
D, d	±428.0 (±16.850)	816.6 (32.150)	80.0 (3.150)	Hole 16×18 (0.63×0.71)	m	-500.0 (-19.685)	3223.3 (126.901)	318.0 (12.520)	Hole φ8 (0.31)
E, e	±438.0 (±17.244)	1100.0 (43.307)	78.0 (3.071)	Hole φ16 (0.63)	N, n	±533.0 (±20.984)	3425.0 (134.842)	315.4 (12.417)	Hole φ16 (0.63)
F, f	±437.5 (±17.224)	1355.9 (53.382)	78.8 (3.102)	Hole φ16 (0.63)	O, o	±423.0 (±16.654)	38.0 (1.496)	674.5 (26.555)	Hole φ50 (1.97)
G, g	±437.5 (±17.224)	1760.0 (69.291)	81.2 (3.197)	Hole φ16 (0.63)	P, p	±531.2 (±20.913)	2642.7 (104.043)	515.6 (20.299)	Hole φ64 (2.52)
H, h	±604.0 (±23.779)	2340.5 (92.145)	128.3 (5.051)	Hole φ13 (0.51)					

## Passenger Compartment

INFOID:000000006346060

### MEASUREMENT

Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.



JSKIA0568GB

Unit: mm (in)



# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)

«The others»

Unit: mm (in)

Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo	Point	Dimension	Memo
E - e	1183 (46.57)		K - k	1485 (58.46)		Q - q	1436 (56.54)		T - Q	994 (39.13)*	
E - g	1776 (69.92)*		M - m	1325 (52.17)		R - r	1469 (57.83)		T - R	805 (31.69)*	
E - h	1302 (51.26)*		M - o	1562 (61.50)*		S - E	1206 (47.48)*		U - u	1587 (62.48)	
E - k	1557 (61.30)*		M - p	1460 (57.48)*		S - F	894 (35.20)*		U - W	1182 (46.54)*	
F - f	1424 (56.06)		M - r	1597 (62.87)*		S - G	764 (30.08)*		U - X	1182 (46.54)*	
F - j	1666 (65.59)*		N - n	1452 (57.17)		S - H	1311 (51.61)*		V - v	1618 (63.70)	
G - g	1478 (58.19)		N - q	1600 (62.99)*		S - J	1168 (45.98)*		V - W	1247 (49.09)*	
G - h	1907 (75.08)*		O - o	1451 (57.13)		S - K	1024 (40.31)*		V - X	1150 (45.28)*	
G - k	1732 (68.19)*		O - p	1722 (67.80)*		T - M	995 (39.17)*		W - w	1588 (62.52)	
H - h	1333 (52.48)		O - r	1550 (61.02)*		T - N	864 (34.02)*		X - x	1625 (63.98)	
H - k	1554 (61.18)*		P - p	1280 (50.39)		T - O	752 (29.61)*				
J - j	1459 (57.44)		P - r	1547 (60.91)*		T - P	1136 (44.72)*				

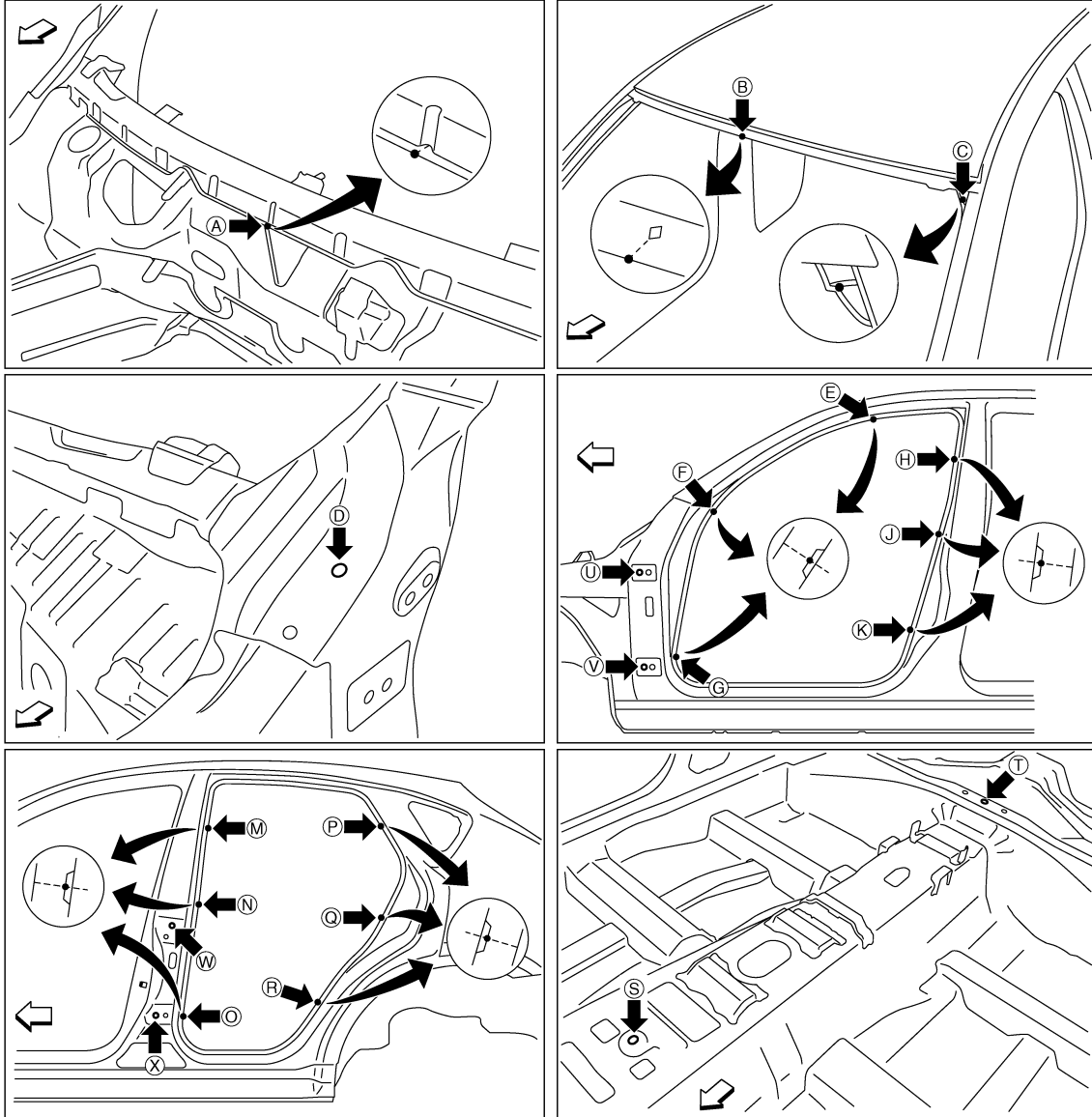
## MEASUREMENT POINTS

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# BODY ALIGNMENT

## < SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0569ZZ

↶: Vehicle front

Unit: mm (in)

Point	Material	Point	Material
A	Upper dash crossmember flange end of center positioning mark	H, h, J, j, K, k, M, m, N, n, O, o	Center pillar indent
B	Roof flange end of center positioning mark	P, p, Q, q, R, r	Rear fender indent
C, c	Front pillar reinforcement joggle	S	Trans control reinforcement hole center of center positioning mark 12×14 (0.47×0.55)
D, d	Hood hinge installing hole center $\phi 6$ (0.24)	T	Rear seat crossmember reinforcement hole center of center positioning mark $\phi 5$ (0.20)
E, e, F, f, G, g	Front pillar indent	U, u, V, v, W, w, X, x	Door hinge installing hole center U, u, V, v, X, x: $\phi 12$ (0.47) W, w: $\phi 9$ (0.35)

# BODY ALIGNMENT

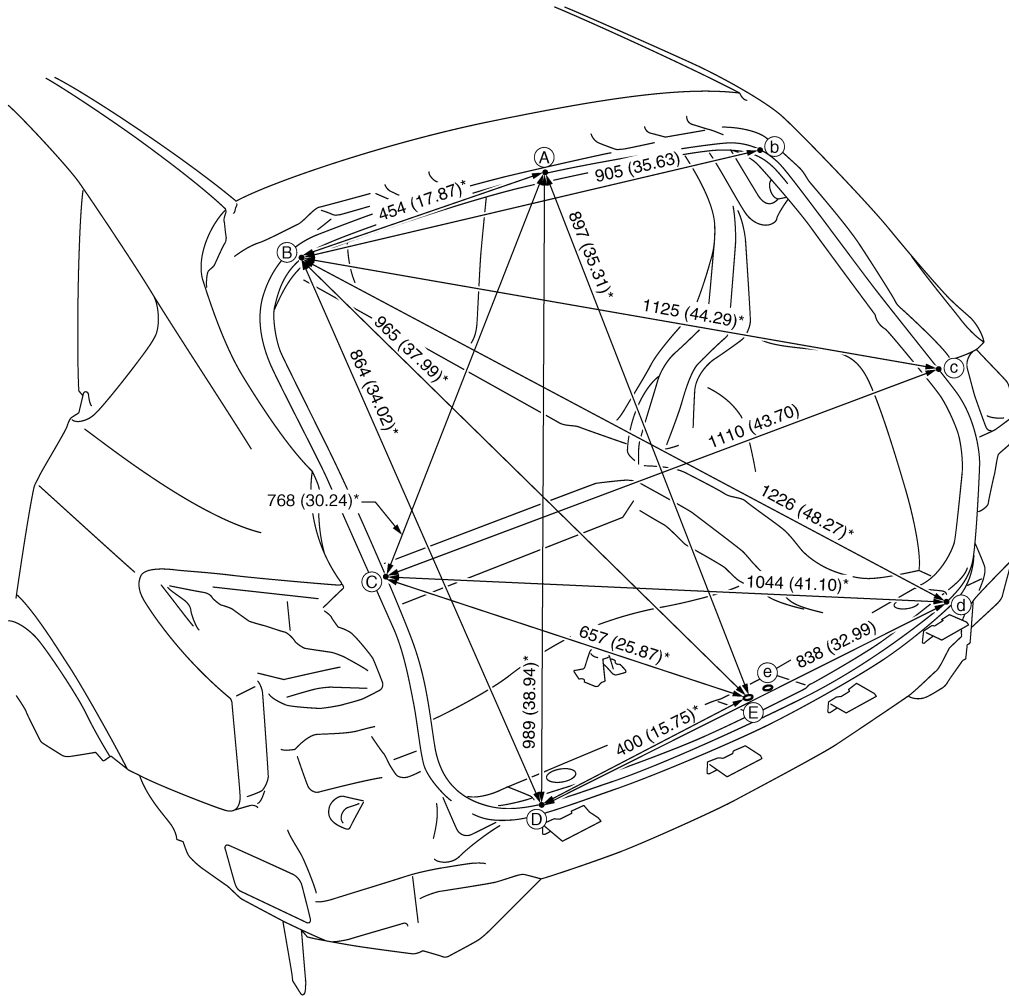
< SERVICE DATA AND SPECIFICATIONS (SDS)

## Rear Body

INFOID:000000006346061

### MEASUREMENT

Dimensions marked with "\*" indicate symmetrically identical dimensions on both the right and left hand of the vehicle.



Unit: mm (in)

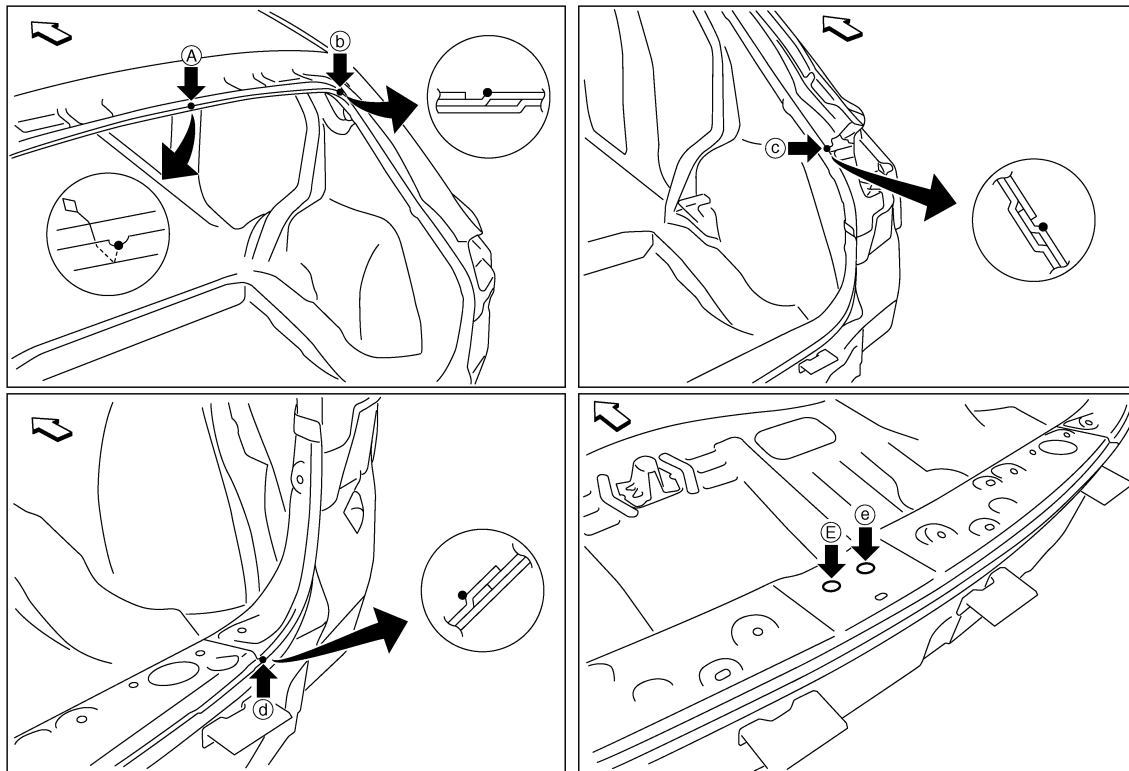
### MEASUREMENT POINTS

JSKIA0570GB

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# BODY ALIGNMENT

< SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0571ZZ

↶: Vehicle front

Unit: mm (in)

Point	Material	Point	Material
A	Roof indent of center positioning mark	D, d	Rear end crossmember joggle
B, b	Back pillar main joggle	E, e	Back door striker installing hole center φ14 (0.55)
C, c	Back pillar main center joggle		

# LOCATION OF PLASTIC PARTS

< SERVICE DATA AND SPECIFICATIONS (SDS)

## LOCATION OF PLASTIC PARTS

### Precautions for Plastics

INFOID:000000006346062

Abbreviation	Material name	Heat resisting temperature °C (°F)	Resistance to gasoline and solvents	Other cautions
PE	Polyethylene	60 (140)	Gasoline and most solvents are harmless if applied for a very short time (wipe out quickly).	Flammable
ABS	Acrylonitrile Butadiene Styrene	80 (176)	Avoid gasoline and solvents.	—
EPM/EPDM	Ethylene Propylene (Diene) co-polymer	80 (176)	Gasoline and most solvents are harmless if applied for a very short time (wipe out quickly).	Flammable
PS	Polystyrene	80 (176)	Avoid solvents.	Flammable
PVC	Poly Vinyl Chloride	80 (176)	Gasoline and most solvents are harmless if applied for a very short time (wipe out quickly).	Poisonous gas is emitted when burned.
TPO	Thermoplastic Olefine	80 (176)	↑	Flammable
AAS	Acrylonitrile Acrylic Styrene	85 (185)	Avoid gasoline and solvents.	—
PMMA	Poly Methyl Methacrylate	85 (185)	↑	—
EVAC	Ethylene Vinyl Acetate	90 (194)	↑	—
PP	Polypropylene	90 (194)	Gasoline and most solvents are harmless if applied for a very short time (wipe out quickly).	Flammable, avoid battery acid.
PUR	Polyurethane	90 (194)	Avoid gasoline and solvents.	—
UP	Unsaturated Polyester	90 (194)	↑	Flammable
ASA	Acrylonitrile Styrene Acrylate	100 (212)	↑	Flammable
PPE	Poly Phenylene Ether	110 (230)	↑	—
TPU	Thermoplastic Urethane	110 (230)	↑	—
PBT+PC	Poly Butylene Terephthalate + Polycarbonate	120 (248)	↑	Flammable
PC	Polycarbonate	120 (248)	↑	—
POM	Poly Oxymethylene	120 (248)	↑	Avoid battery acid.
PA	Polyamide	140 (284)	↑	Avoid immersing in water.
PBT	Poly Butylene Terephthalate	140 (284)	↑	—
PAR	Polyarylate	180 (356)	↑	—
PET	Polyethylene terephthalate	180 (356)	↑	—
PEI	Polyetherimide	200 (392)	↑	—

**CAUTION:**

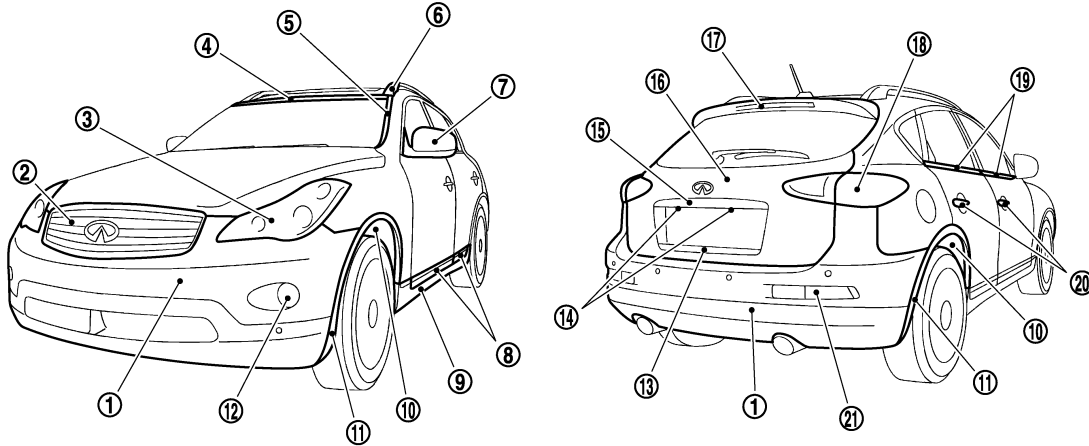
- When repairing and painting a portion of the body adjacent to plastic parts, consider their characteristics (influence of heat and solvent) and remove them if necessary or take suitable measures to protect them.
- Plastic parts should be repaired and painted using methods suiting the materials' characteristics.

# LOCATION OF PLASTIC PARTS

< SERVICE DATA AND SPECIFICATIONS (SDS)

## Location of Plastic Parts

INFOID:00000006346063

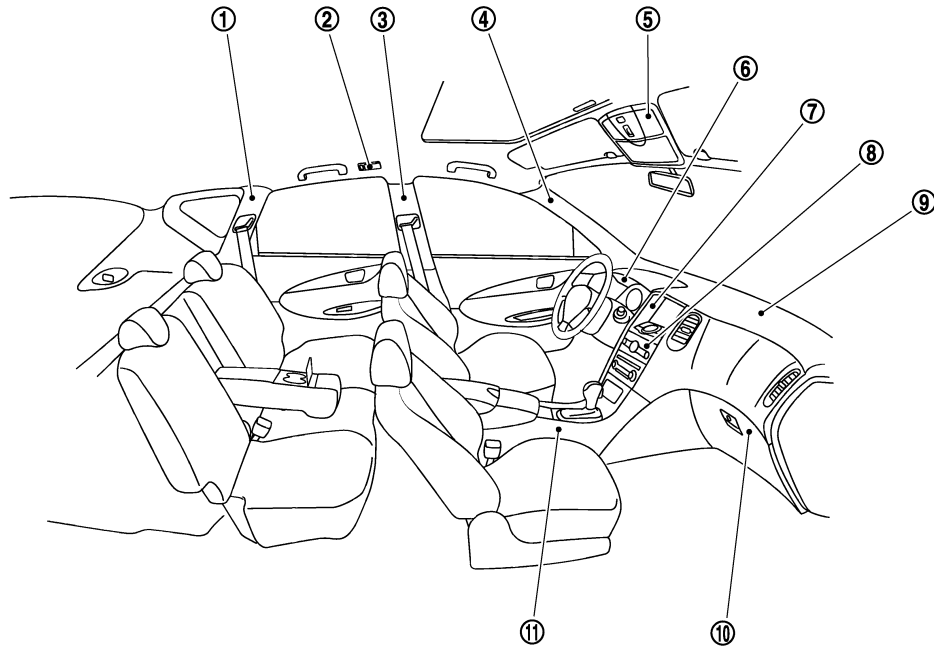


JSKIA0580ZZ

Component		Material	Component		Material	
1	Bumper fascia	PP + EPM	13	Back door finisher	ABS	
2	Front grille	ABS	14	License plate lamp	Lens	PC
3	Front combination lamp	Lens			PC	Housing
		Housing	PP	15	Center back door finisher	ABS
4	Upper windshield molding	TPO	16	Back door	PP + EPM	
5	Roof side molding	PVC + Stainless	17	High mount stop lamp	Lens	PMMA
6	Roof rack cover				ABS	Housing
7	Door outside mirror	Cover	18	Rear combination lamp (Rear Fender)	Lens	PMMA
		Housing			ABS	Housing
		Base		PA	Rear combination lamp (Back door)	Lens
8	Side guard molding	Body	PP	Housing		ASA
		Chrome part	ABS	19	Door outside molding	PP + TPO + Stainless
9	Center mudguard	PP	20	Door outside handle	PC + ABS	
10	Fender protector	Front	21	Rear combination lamp (Rear bumper)	Lens	PC
		Rear			PET	Housing
11	Fillet molding	PP + EPM				
12	Front fog lamp	Lens			Glass	
		Housing			PBT + ASA + Glass fiber	

# LOCATION OF PLASTIC PARTS

< SERVICE DATA AND SPECIFICATIONS (SDS)



JSKIA0581ZZ

Component		Material	Component		Material
1	Luggage side finisher	PP	7	Cluster lid D	PC + ABS
2	Personal lamp	Lens	8	Cluster lid C	PC + ABS
		Housing			
3	Center pillar garnish	PP	9	Instrument panel	Skin
					Pad
4	Front pillar garnish	PP	10	Glove box	Skin
					Core
5	Map lamp	Lens	11	Console body	PC + ABS
		Housing			
6	Cluster lid A	PP			

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

BRM