

# Rust-preventive Treatments

## General

Corrosion starts immediately after the aluminum alloy base contacts with the atmosphere. The condition is aggravated by sea wind, road salt, rain, snow and industrial fallout. There are many ways to protect automobiles against corrosion. Primers, primer surfacers and paints are applied by electrodeposition or spray to protect the car body.

### Anti-rust Agents and Spray Guns

Use the following anti-rust agents or equivalents when making a body repair.

**⚠ WARNING** ANTI-RUST agents contain substances that are harmful if you breathe or swallow them, or get them on your skin. Wear coveralls, gloves, eye protection, and an approved respirator while such agents.


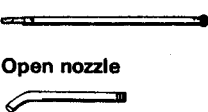

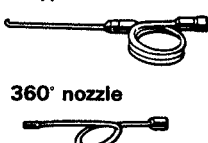
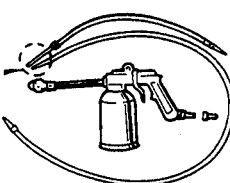
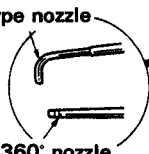
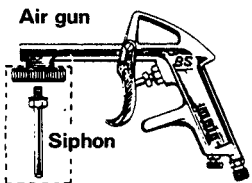
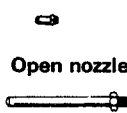
Anti-rust agents:

RUSTOP DEOX#100 WAXOYL	U.S.A.MARKET AUTO ARMOR 1031 (made by E.C. P.)	To be applied to welded joints inside body panels
NOX-RUST 409-20S SOLTON 1000S	AUTOR ARMOR OUTSIDE COATING (made by E.C. P.)	To be applied to under floor and wheelhouse

Spray guns:

Use the correct gun for the agent being used.

- Use of a pressure type spray gun is recommended when work involves a considerable number of cars.

For RUSTOP	DEOX#100	For WAXOYL	For NOXRUST 409-20S/ SOLTON 1000S
 <b>Flexible nozzle</b>  <b>Open nozzle</b>	 <b>L-type nozzle</b>  <b>360° nozzle</b>	 <b>L-type nozzle</b>  <b>360° nozzle</b>	 <b>Air gun</b> <b>Siphon</b> <b>V-type nozzle</b>  <b>Open nozzle</b>
Protectors: Wear gloves, mask and suitable eye protection. ● Use light oil and a rag to clean up spilled anti-rust agents.			

### Precautions:

1. Before applying an anti-rust agent, thoroughly clean the areas to be coated with a steam cleaner, etc., and let dry.

NOTE: Waxoyl may be applied to wet surface.

2. Spray an anti-rust agent sufficiently until the excess amount oozes out when filling, the doors, side sills, etc. Wipe the excess agent with a clean rag dampened with light oil.
3. Do not spray an anti-rust agent to the brake hoses, brake wheel cylinders, brake drums, exhaust muffler and its related parts, emission control devices in the engine compartment, ball joint covers, plastic fuel strainer, etc. Wipe up spilled agent at once.
4. Heat an anti-rust agent to room temperature 97.7°F (36.5°C) by submerging the container in hot water when outside temperature is below 50°F (10°C).
5. Ventilate when spraying an anti-rust agent since it contains a small amount of organic solvent. Keep sparks, flames and cigarettes away. Clean the spray gun after spraying with anti-rust agent.

**CAUTION:** Any remaining agent will harden in the passages of the spray gun, making it unserviceable.

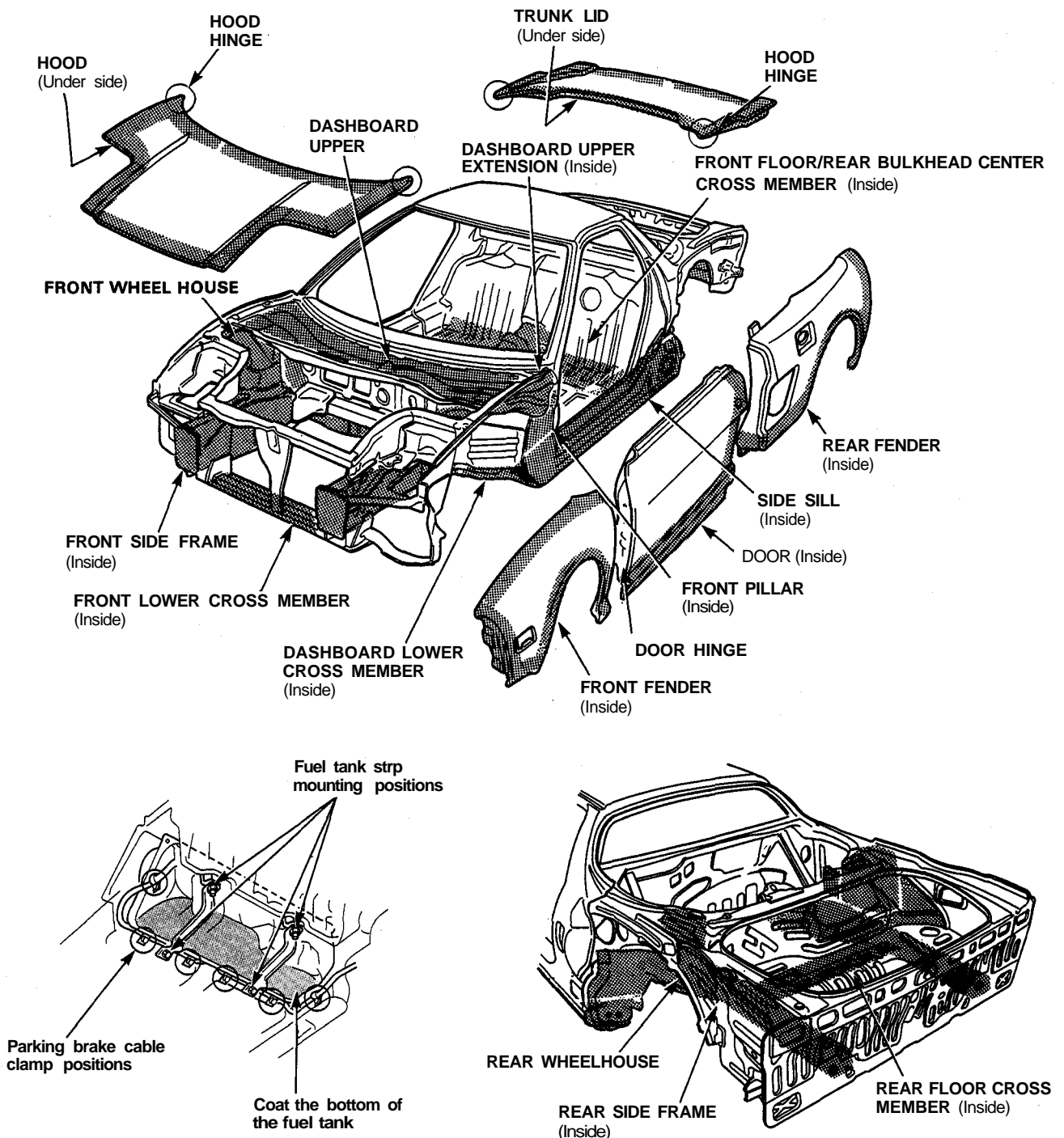
## Diagram

### NOTE:

- Apply the designated thickness over surfaces including gaps and edges.
- Avoid spraying agents on following parts:  
Window glass, lights, exhaust parts, tires, bumper, lower skirts.
- Wipe up spilled agents at once from rubber and plastic parts.

### Anti-rust Agents:

- Use RUSTOP, DEOX #100, WAXOYL or equivalents for protecting inner surfaces.
- Use NOX-RUST 409-20S, SOLTON 1000S or equivalents for protecting outer surfaces.



# Rust-preventive Treatments

## Areas to be Covered by Anti-rust Agents

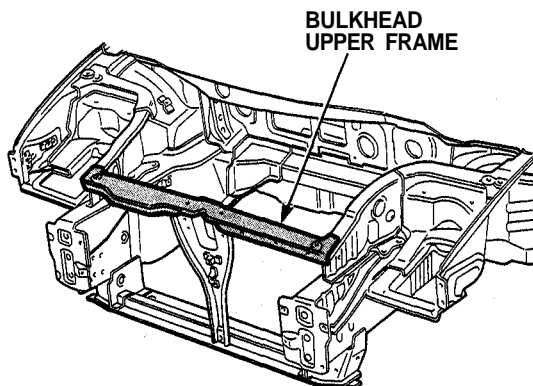
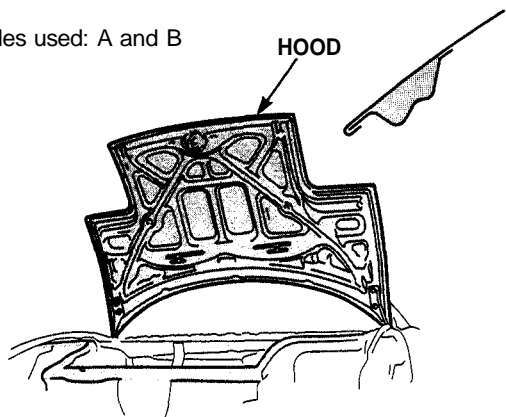
### Rust-preventive Treatments:

Nozzle	Type
A	360°
B	L-type
C	Straight nozzle (undercoat gun)

### Hood, Underside

- Coat the entire panel and seams all the way around. Spray sufficient anti-rust agent to the front area and each corner.
- Apply anti-rust agent or grease to the hood hinges.
- Also coat the bulkhead upper frame with anti-rust agent.

Nozzles used: A and B

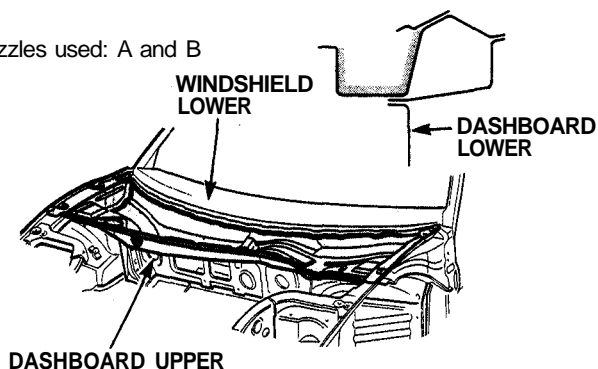


### Dashboard Upper/Windshield Lower

- Coat the windshield lower and dashboard upper water drain with anti-rust agent at front, right and left.
- When spraying anti-rust agent over the rear of the dashboard upper (windshield side), use care so that the anti-rust agent is sprayed to the partition.

NOTE: To insert the nozzle the dashboard upper, remove the air scoop grille for easier, more thorough spraying.

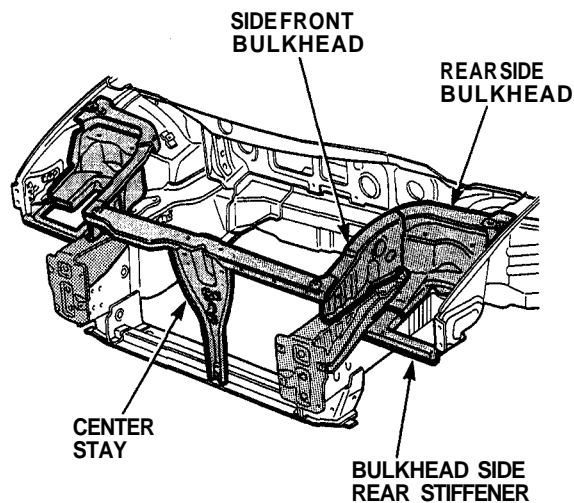
Nozzles used: A and B



### Front Bulkhead Area

With the hood opened, coat the joints of the bulkhead, wheelhouse and side frame and around the back of the headlight assembly.

Nozzle used: B



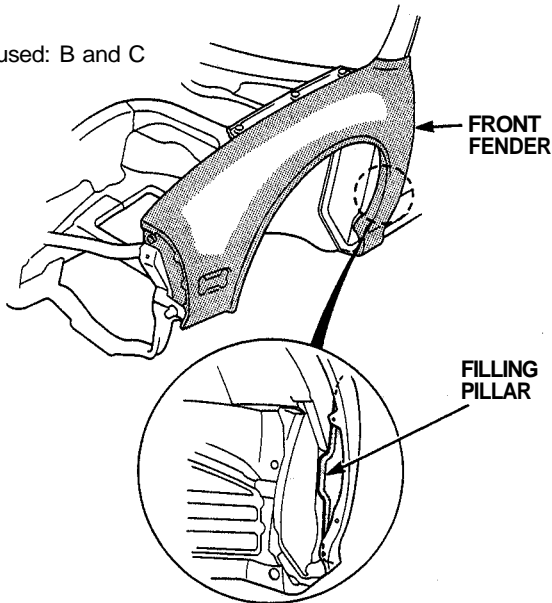
### Front Fender, Underside

- Apply anti-rust agent to the end of the fender, wheelhouse, and side sill installation.

#### NOTE:

- Apply enough agent to the front door side, wheel arch end.
- If the fender is to be removed, care must be taken to avoid damaging its paint finish. It is advisable to apply agent to the entire surface of the back of the fender.
- Also apply agent to the front fender filling pillar.

Nozzles used: B and C

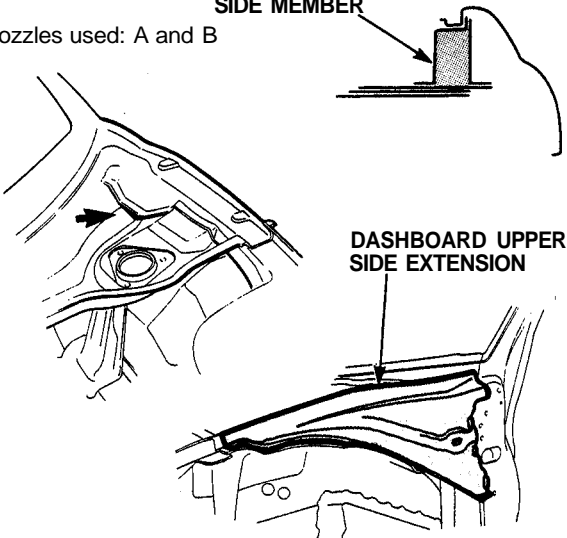


### Dashboard Upper Side Extension, Inside

- Remove the front fender and grommets.
- Remove the air scoop grille in the dashboard upper and coat the inside of the side extension with anti-rust agent.

DASHBOARD UPPER  
SIDE MEMBER

Nozzles used: A and B



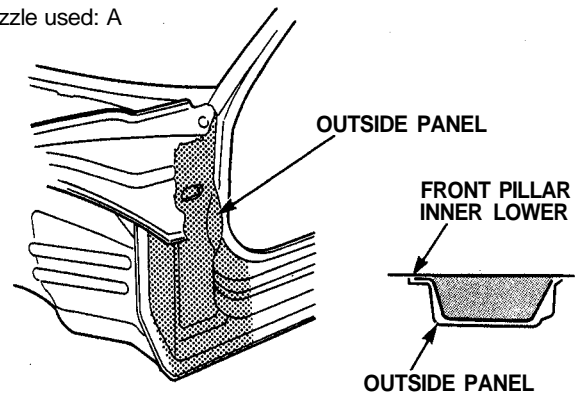
### Outside Panel (Front Pillar), Inside

- Remove the door harness grommet and insert the nozzle with its facing down.

NOTE: Make sure that the nozzle is not interfering with the door hinge bracket. Spray agent sufficiently.

- Coat the door checker bracket,

Nozzle used: A

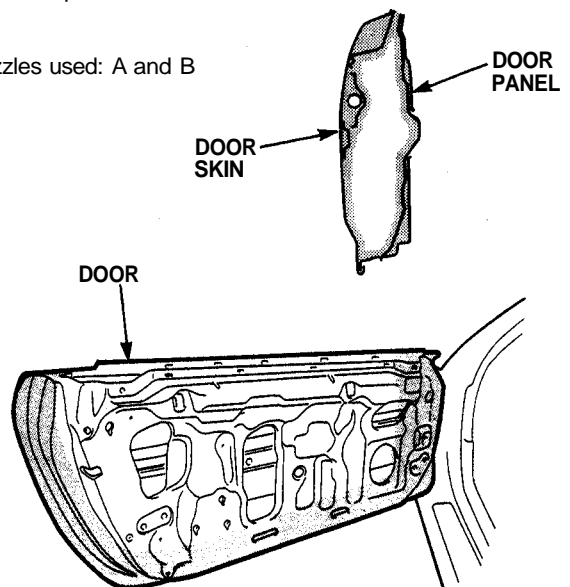


### Doors, Inside

- Apply agent to the joint between the door stiffener and door skin through the water drain hole at the bottom of the door.
- Remove the weatherstrip, then spray the agent through the hole.

NOTE: When a suction type spray gun is used, remove the door trim panel.

Nozzles used: A and B



(cont'd)

# Rust-preventive Treatments

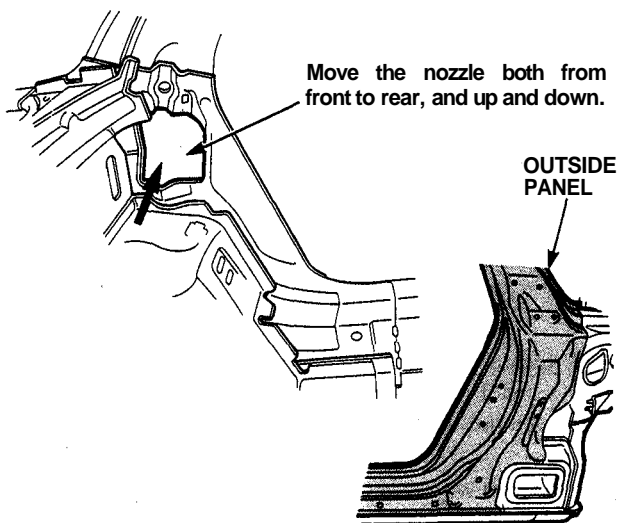
## Area to be Covered by Anti-rust Agents (cont'd)

### Outside Panel (Rear Pillar), Inside

- Remove the seat belt retractor and spray agent through the hole.
- Remove the door lock striker and spray agent through the hole.

NOTE: For more thorough application, it is recommended to remove the rear fender.

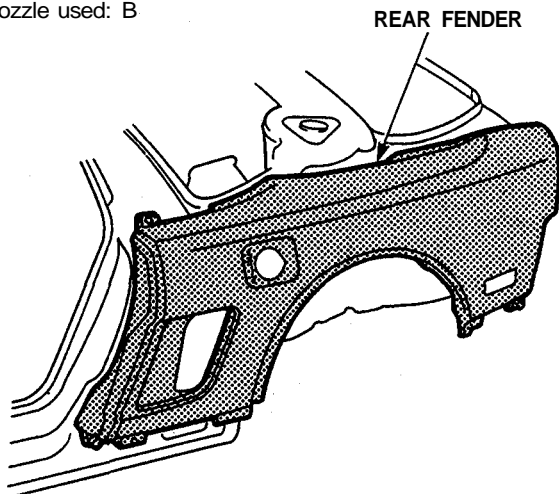
Nozzle used: A



### Rear Fender, Inside

- Apply anti-rust agent to the end of rear fender, wheelhouse, and side sill installation.

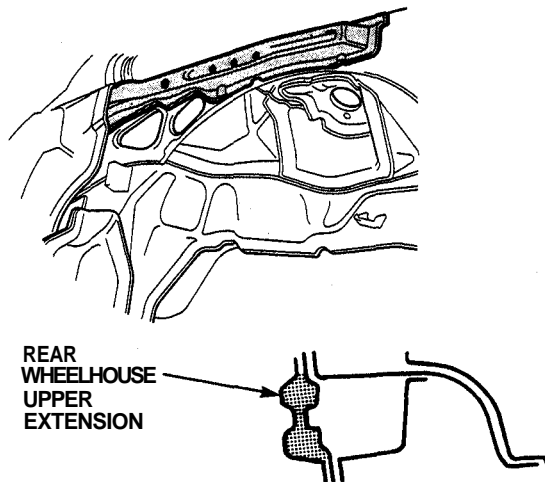
Nozzle used: B



### Rear Wheelhouse Upper Extension, Inside

- Remove the rear fender and grommets and coat the inside of the upper extension with anti-rust agent.

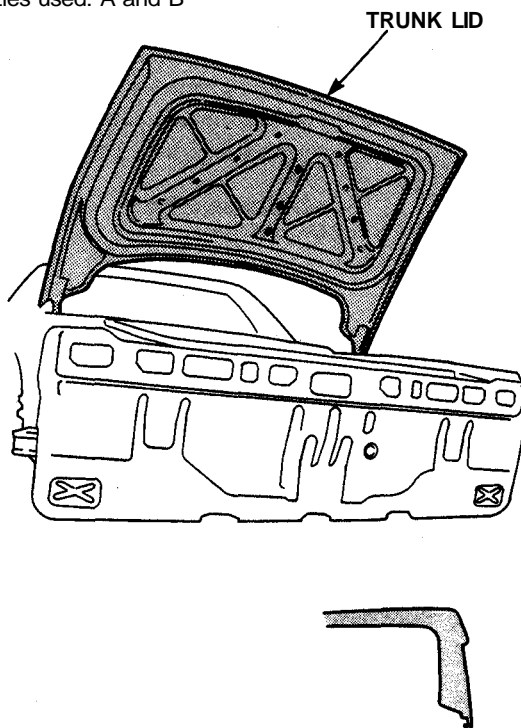
Nozzle used: B



### Trunk Lid, Underside

- Coat the trunk lid skin and frame seams all the way around.
- On the trunk lid, apply the agent to the inside of the reinforcement frame.

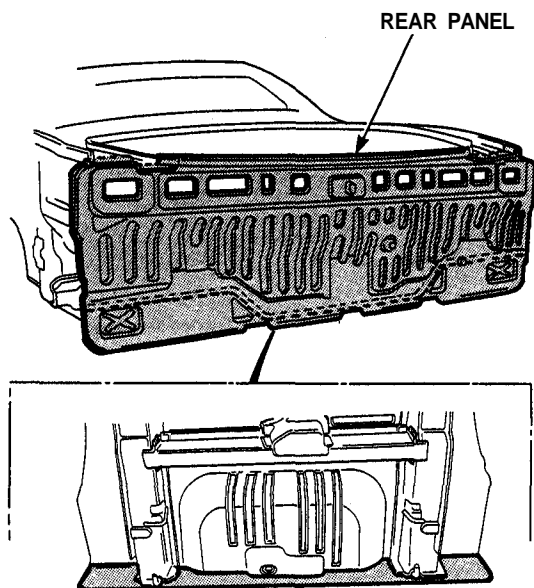
Nozzles used: A and B



#### Rear Panel, Inside and Outside/Rear Floor End

- Apply the agent to the gap between the rear panel and rear floor.
- Apply the agent to the inside of the rear panel upper and center frame.

Nozzle used: B

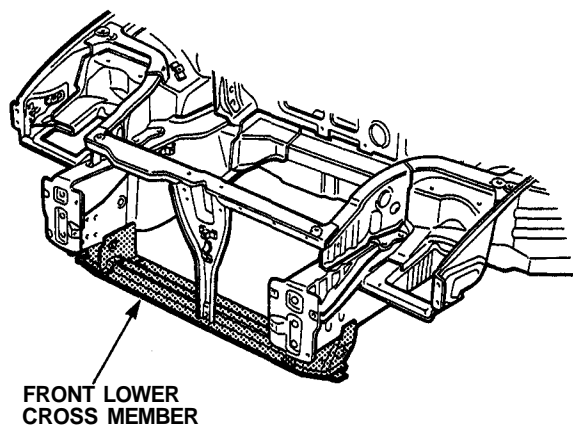


- Undercoat may be used to those areas of the rear panel where they are concealed from view when parts are installed.

#### Front Lower Cross Member, Inside

- Coat the inside of the front lower cross member.
- Coat the frame member brackets on both sides.

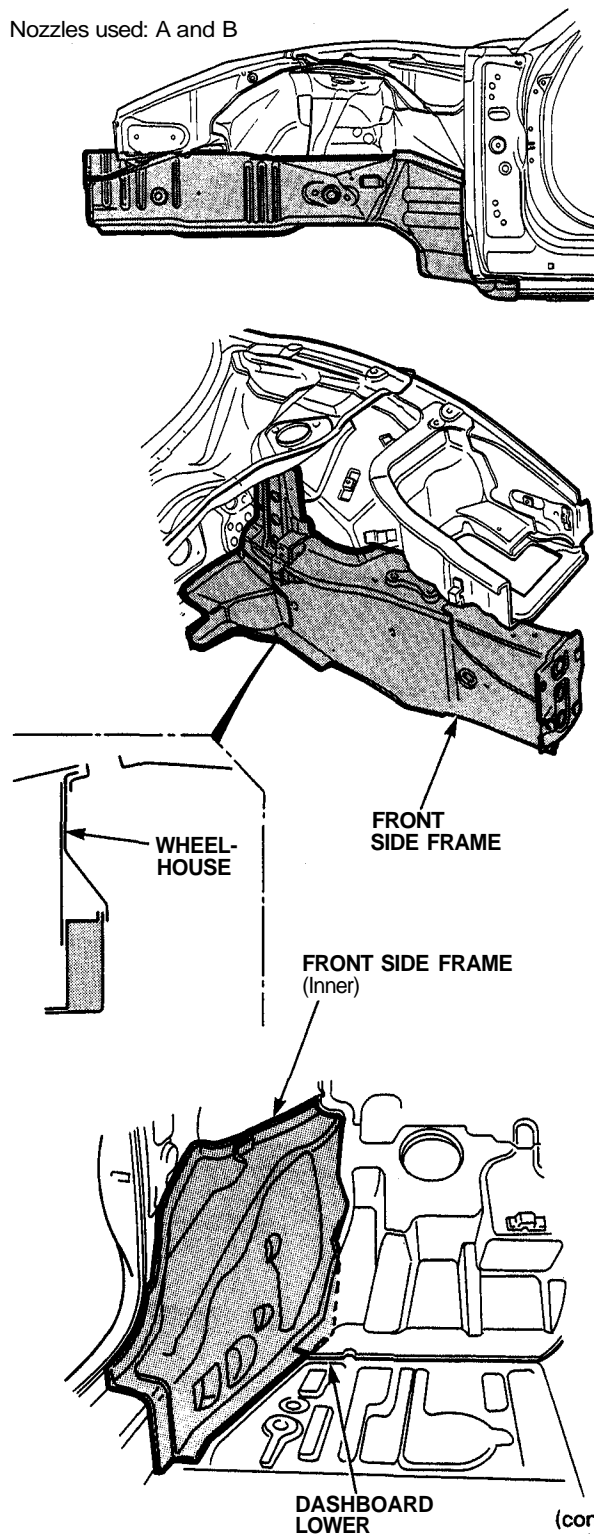
Nozzles used: A and B



#### Front Side Frame, Inside

Remove the grommets from inside the front compartment and coat the inside of the front side frame.

Nozzles used: A and B



# Rust-preventive Treatments

## Area to be Covered by Anti-rust Agents (cont'd)

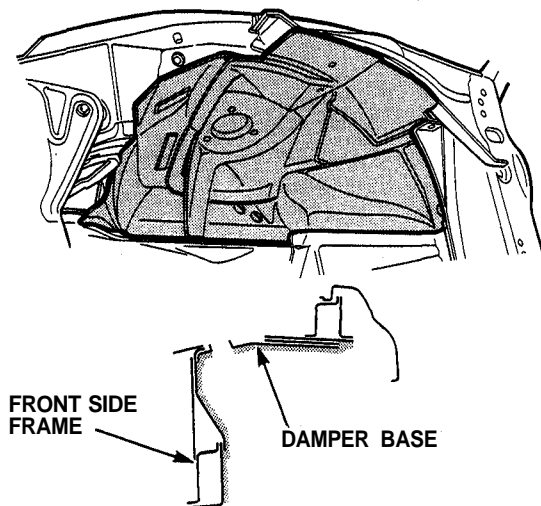
### Front Wheelhouse

- Spray agent on the wheelhouse, front fender stay, upper member and damper bracket as shown.
- Undercoat the wheelhouse where anti-rust agent or undercoat has not yet been applied.

#### NOTE:

- Coat the wheelhouse upper member, particularly the upper face.
- Undercoat the inner fender mounting area of the wheelhouse and upper face of the inner fender.

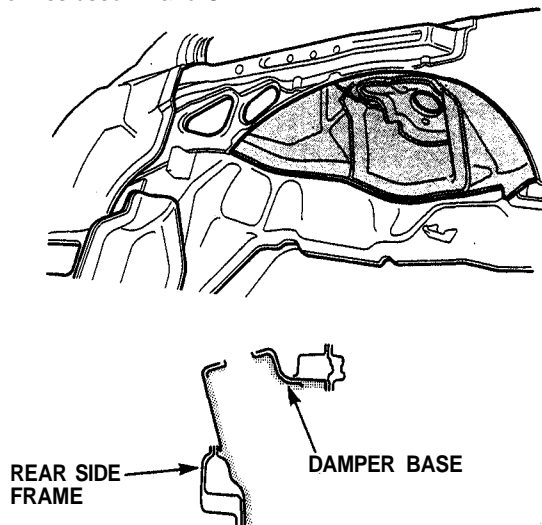
Nozzles used: A and C



### Rear Wheelhouse

- Coat the gaps between the inner and outer wheelhouses, including the damper base.
- Apply agent to the edge of the rear side frame, side sill and rear floor.
- Undercoat the wheelhouse where undercoat or anti-rust agent has not yet been applied.

Nozzles used: B and C

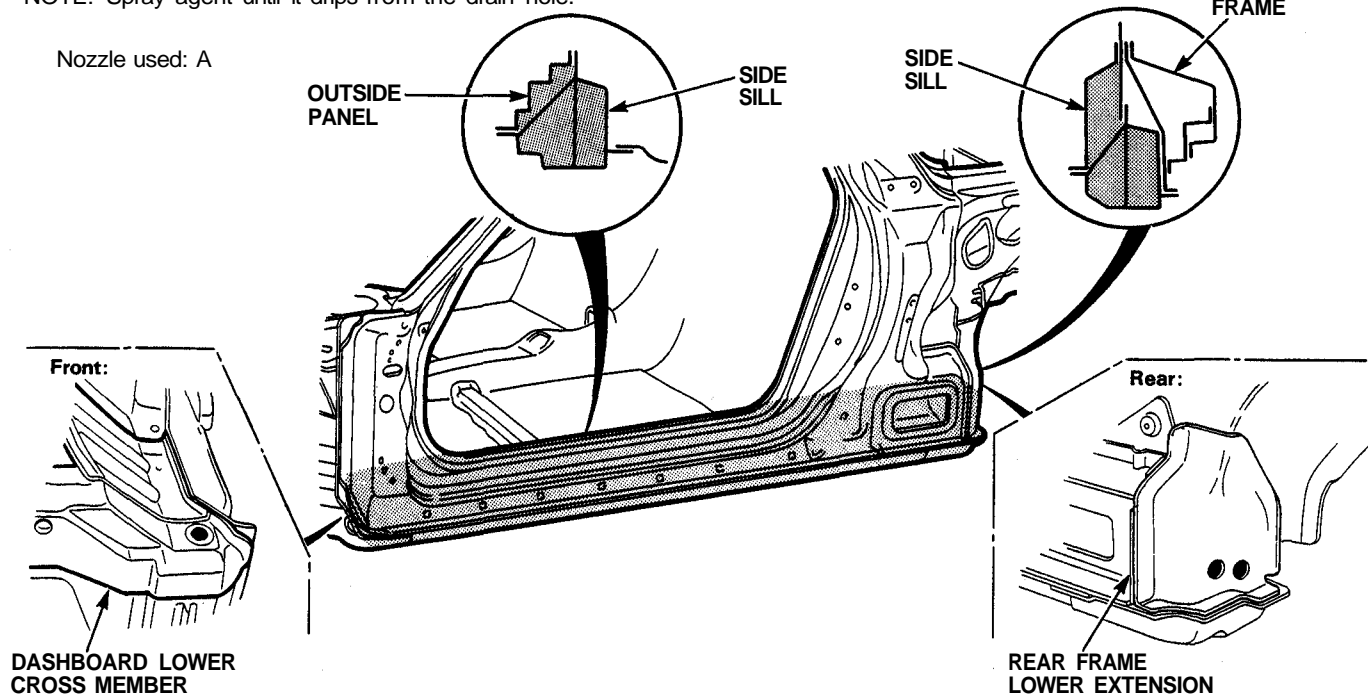


### Side Sill, Inside

- Remove the front and rear grommets to spray agent. Insert the nozzle through the holes fully.
- Move the nozzle right and left, and up and down while pulling it back out of the grommet hole.

NOTE: Spray agent until it drips from the drain hole.

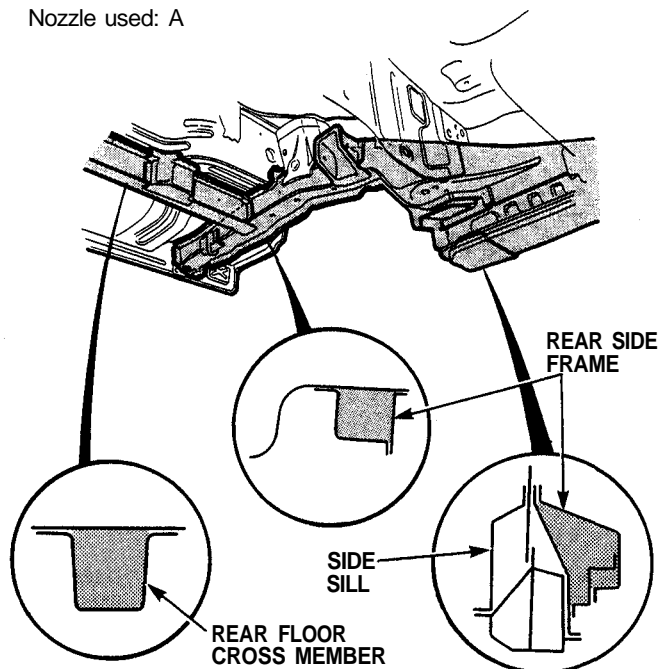
Nozzle used: A



### Rear Side Frame/Rear Floor Cross Member, Inside

- Remove the grommets from inside the engine compartment and coat the inside of the rear side frame.
- Coat the side frame and engine mount bracket.

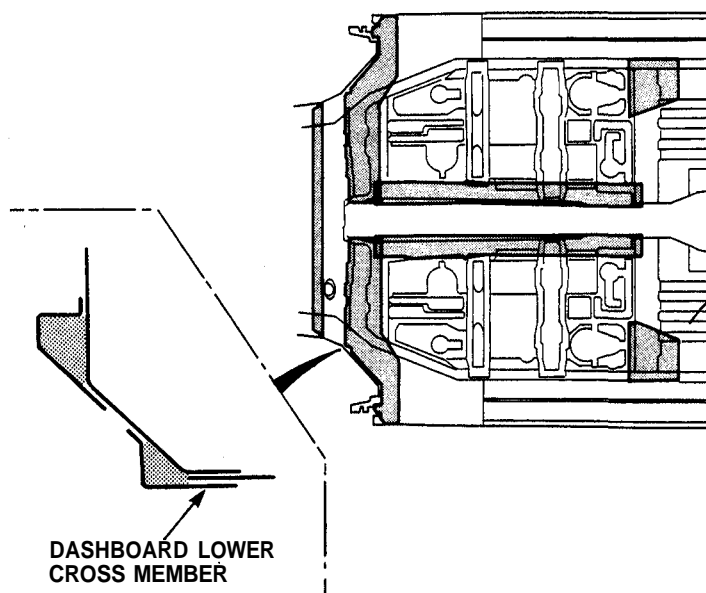
Nozzle used: A



### Under Floor Member, Inside

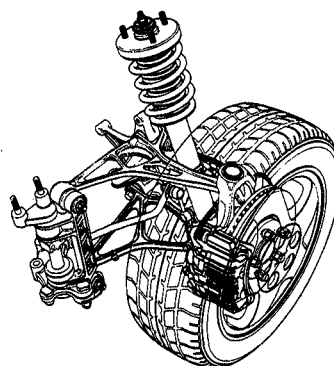
- To spray agent to the inside of the under floor member, insert the nozzle in the holes in the members.
- Also coat the under floors, side sill, and front and rear wheelhouses at the ends.

Nozzle used: A

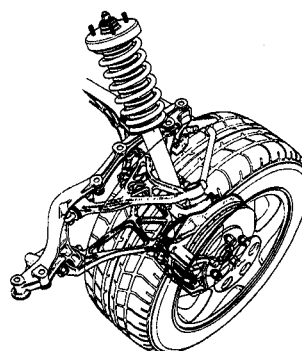


### Suspension

NOTE: Do not apply anti-rust agent to the rubber bush. Front:



Rear:

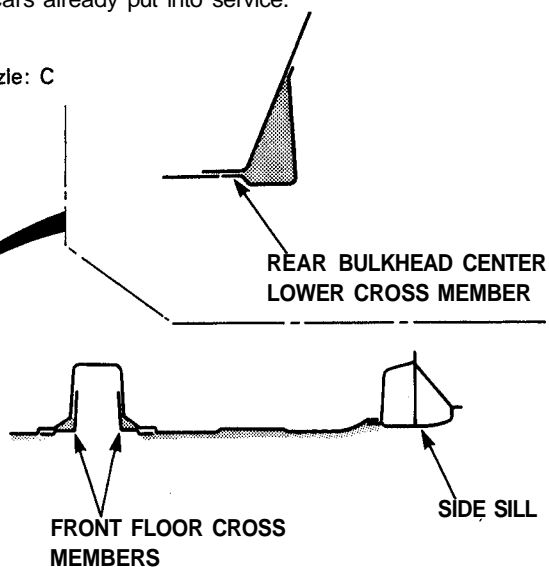


### Under Floor

- Undercoat the under floor where undercoat or anti-rust agent has not yet been applied ([see page 7-10](#)).
- Coat the bottom of the fuel tank.

NOTE: Apply undercoat to all the surfaces of under floor for cars already put into service.

Nozzle: C

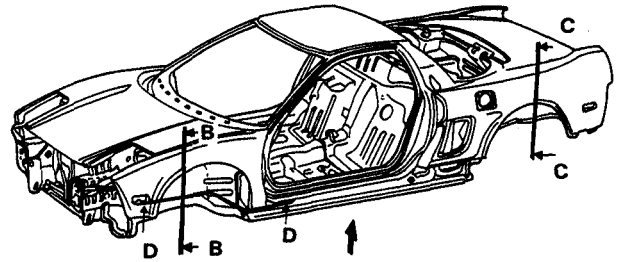




# Rust-preventive Treatments

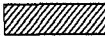
## Undercoating Diagram

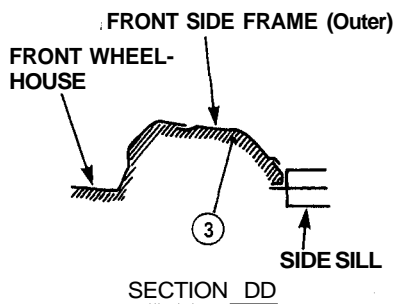
1.	Front floor	Entire (Except floor tunnel)
2.	Dashboard lower cross member	Lower section and entire of the wheelhouse.
3.	Front wheelhouse	Entire wheelhouse
4.	Rear wheelhouse	Entire wheelhouse
5.	Rear floor	From side edge of the rear side frame to the rear side panel edge.
6.	Rear panel	Rear edge of the rear side frame and bottom of the rear floor.



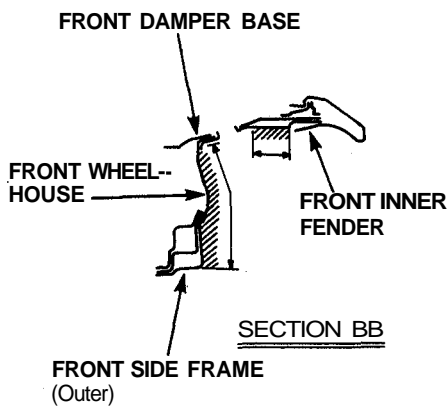
VIEW Z

**NOTE:**

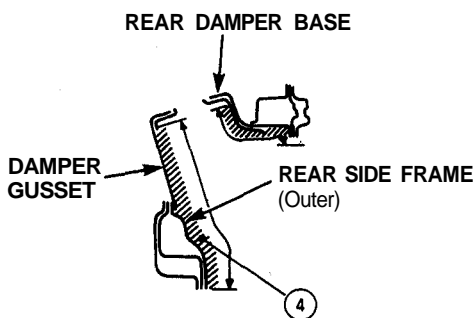
- Coating thickness: 0.5 mm (0.02 in) MIN.
-  indicates PVC coating areas.
- Follow the above instructions for paint repair or refinishing.



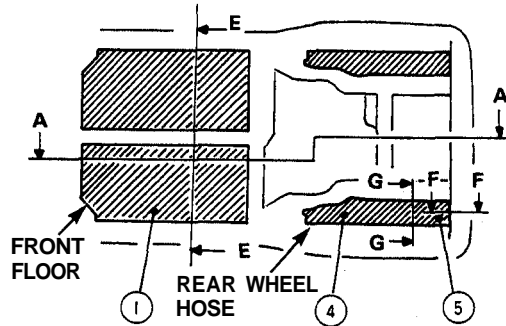
SECTION DD



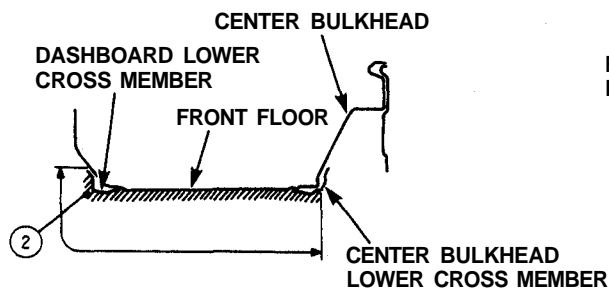
SECTION BB



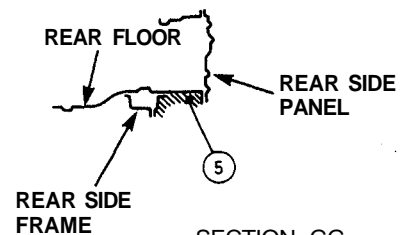
SECTION CC



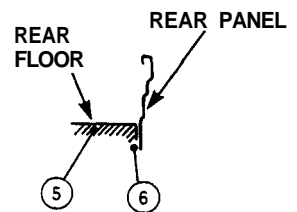
VIEW Z



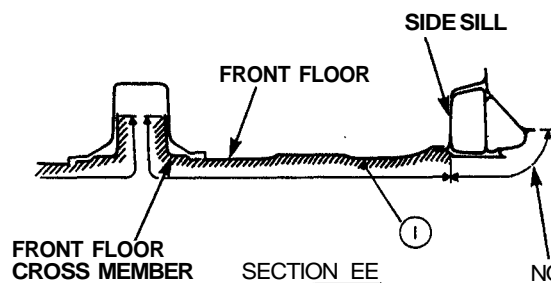
SECTION AA



SECTION GG



SECTION FF



SECTION EE

NOTE: Not be undercoated