Replacement

Installation

1. Straighten any damaged parts.

AWARNING

To prevent eye injury and burns when welding, wear an approved welding helmet, gloves and safety shoes.

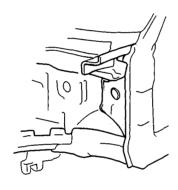
 Fill any holes by MIG welding and even out with a hammerand dolly.

AWARNING

To prevent eye injury, wear goggles or safety glasses whenever sanding, cutting or grinding.

 Level and finish the burns on the welding flanges with a disc sander or belt sander.

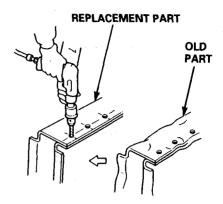
NOTE: Do not use the same sanding tools for both aluminum alloy sheets and steel plates.





NOTE: Check the reshaped parts for cracks (see page 2-39).

- 2. Prepare to install replacement parts.
 - 1) Drill the 8 \sim 10 mm (0.3 \sim 0.4 in.) holes for plug welding in the welding flange of the replacement parts.
 - To locate the area you need to drill holes, refer to old parts or to the Mass Production Body welding Diagram (see section 3).



2) Sand and degrease the welded surfaces.

AWARNING

To prevent eye injury, wear goggles or safety glasses whenever sanding.

- Remove the undercoat from both sides of the welding section and expose the aluminum alloy base using a disc sander.
- Remove the paint film from welding section of the body.

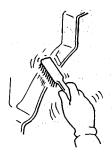
NOTE: Do not use the same sanding tools for both aluminum alloy sheets and steel plates.

 Clean any oil and any dirt from the welding surface with wax and grease remover.





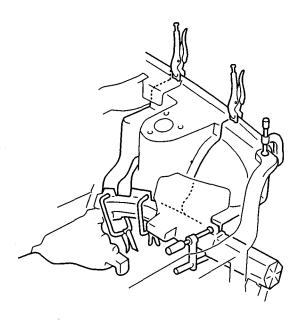
- 3. Set the repair parts.
 - Before setting the repair part, remove the oxide film from the welding surfaces of the repair parts and body using a stainless steel wire brush.



- Clamp the new part and check its position using the body dimensional drawings (see section 4).
- Tack weld the clamped section.

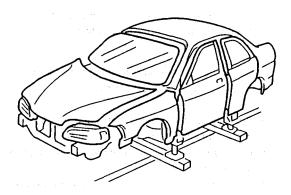
AWARNING

To prevent eye injury and burns when welding, wear an approved welding helmet, gloves and safety shoes.



- 4. Check the alignment of the exterior body parts.
 - Temporary install the exterior body parts, windshield and rear window glass, and check for differences in levelandclearances.

NOTE: Check the fit of the front fender, door and the rear fender, and make sure the body lines flow smoothly.

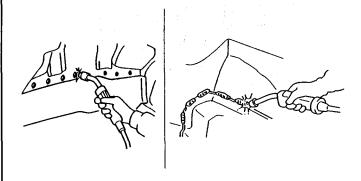


- 5. Main welding the repair parts.
 - Use proper welding methods (see pages 2-23, 2-35).

AWARNING

To prevent eye injury and burns when welding, wear an approved welding helmet, gloves and safety shoes.

- · Weld as much as possible with the jig still mounted.
- Before main welding, perform the trial welding following the welder manufacturer's instructions (see page 2-15).
- Before welding, clean the welding surfaces with a stainless steel wire brush, and clean off any oil or dirt with wax and grease remover.



NOTE: Check the welding section for cracks (see page 2-39).

(cont'd)

Replacement

Installation (cont'd)

6. Finishing the welded areas (see page 2-38).

AWARNING

To prevent eye injury, wear goggles or safety glasses whenever sanding, cutting or grinding.

NOTE: Do not use the same sanding tools for both aluminum alloy sheets and steel plates.

- Roughly grind the welds with a disc grinder.
 Be sure to leave a finishing allowance.
- Finish grind the finishing allowance with a disc sander until it is smooth.
- Take care not to grind the aluminum alloy base while grinding the welds.
- Do not press on the sanding tools excessively.
 If the disc face is clogged with aluminum alloy particles, replace it with a new disc.
- Smooth out welded door and hatch areas, and window opening flanges with a hammer and dolly.
- Fill the deformed area and smooth out the welded areas with body filler.

