



GENUINE PARTS

INSTALLATION INSTRUCTIONS

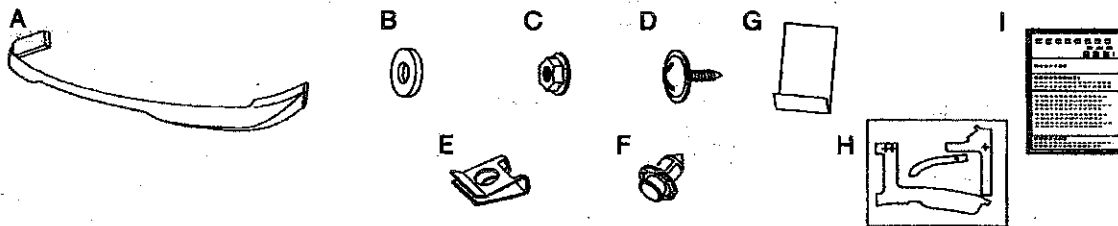
1. DESCRIPTION: Front Protector

2. APPLICATION: G35 Sedan

3. PART NUMBER: K6010 AC7XX

4. KIT CONTENTS:

Item No.	Qty	Description	Nissan Part No.
A	1	Front protector	—
B	4	Rubber washer	K601X-AC700
C	4	M6 Nut	
D	2	M5x20 Tapping screw	
E	2	M5 J-nut	
F	4	Clip	
G	2	Peeling tape	—
H	1	Paper Template Sheet A, B, and C	—
I	1	Installation Instructions	—



5. TOOLS REQUIRED:

Torque wrench	Clip remover
Flat ratchet wrench 10mm	Scale
Socket wrench 10mm	Center punch
Wrench 10mm	Scissors
Philips screwdriver	Masking tape
Extension bar	Cloth
Philips short screwdriver	Round file
Electric drill	50/50 alcohol/water solution
Drill bit $\phi 3\text{mm}$ or $1/8"$, $\phi 6\text{mm}$ or $15/64"$, $\phi 8\text{mm}$ or $5/16"$, and $\phi 10\text{mm}$ or $13/32"$	Heat gun

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

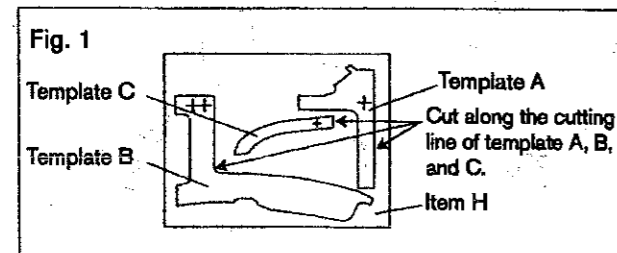
6. INSTALLATION PRECAUTIONS AND NOTES:

1. Confirm that there are no wires or parts in the inner panel where the protector holes will be drilled.
 2. When drilling, use the specified drill bit and keep the electric drill and drill bit perpendicular to the drilled surface.
 3. When this product becomes dirty, clean it with mild detergent using a sponge. Never use thinner or other alkaline or acid organic solvents.
 4. Be careful not to scratch this product or parts of the vehicle during installation.
 5. The protector is made of plastic. Be careful not to damage it when handling it.
 6. When removing the vehicle parts, refer to the vehicle service manual.
 7. Completely clean and degrease the mounting surface with a cloth where the protector will be attached.
 8. Once the front protector has been attached to the vehicle with the double-sided tape, do not peel it off again. Doing so will weaken the adhesive, lowering its intended bonding strength. Make sure that the front protector is positioned properly before attaching it so that you will not have to make adjustment later.
 9. The adhesive of the double-sided tape weakens at low temperatures (under 50°F/10°C). In this case, warm the double-sided tape and the front bumper with a heat gun before installing.
 10. Do not wash the vehicle for 24 hours after installation to prevent the double-sided tape from peeling.
 11. Do not coat screws with Scotch-Grip, etc.
- Be sure to give this installation manual to customer after installation is complete.

7. INSTALLATION PROCEDURE:

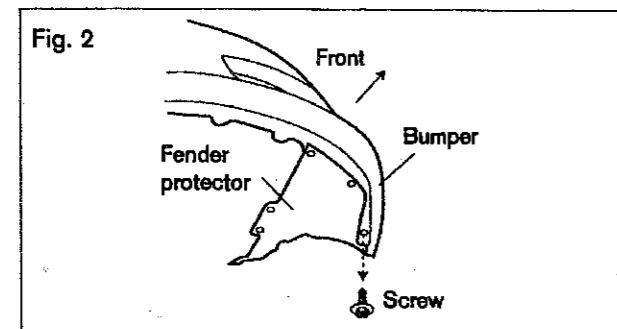
(This installation instruction manual shows how to install the left side. Please use same procedure to install the right side.)

1. Cutting Paper Template Sheet into Individual Templates



- 1) Cut the following paper templates from Item H, which is included in installation instruction (Item I):
 - Template A, Template B, Template C
- 2) Remove the protective film applied on the lower part of the vehicle front bumper fascia.

2. Removing Vehicle Parts (1)



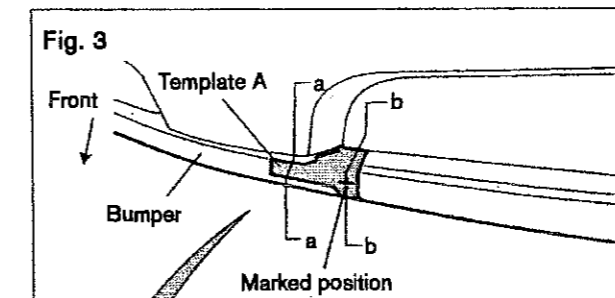
- 1) Jack up the front part of the vehicle to install the protector.
- 2) Remove screws from the lower wheel house part of front bumper. (Right: 1 location / Left: 1 location)

NOTE

The parts that are detached or taken off will be used again. Do not lose them.

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

3. Positioning the Templates and Marking Hole Positions



- 1) Position the template A onto the front bumper, aligning at the corner end of the bumper and the flange of the bumper as shown in Fig. 3, Fig. 3-1 and Fig. 3-2. Use masking tape to fix the template. Center punch at 2 locations (Right/Left each) as shown in Fig. 3.

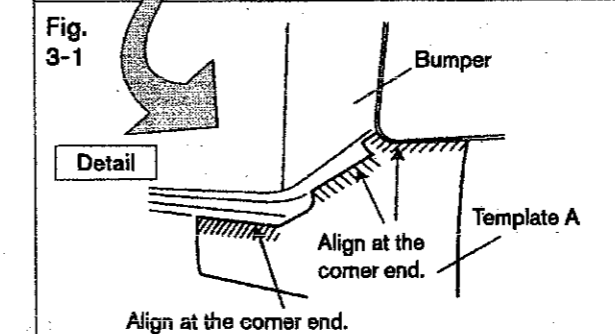


Fig. 3-2

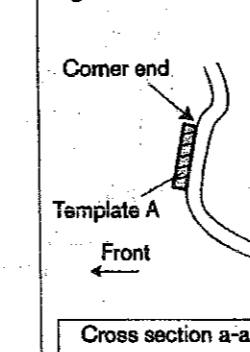


Fig. 3-2

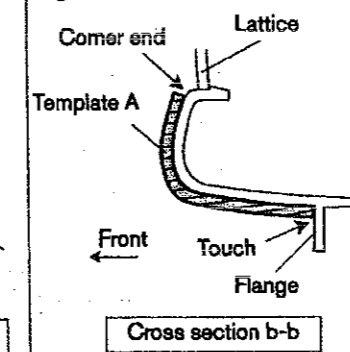
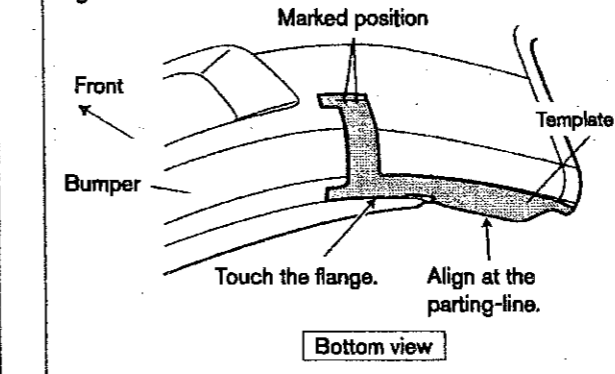
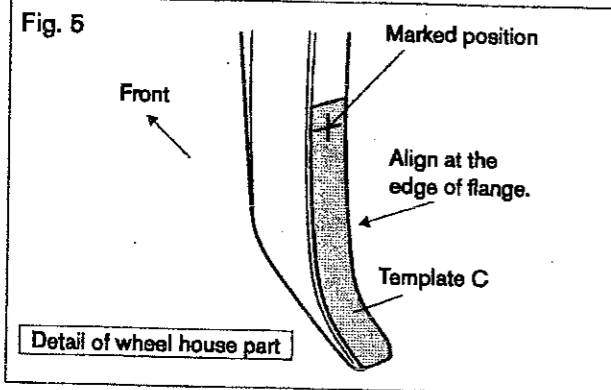


Fig. 4



- 2) Position the template B onto the front bumper fascia, aligning at the parting-line of the lower part of the bumper and the edge of the flange as shown in Fig. 4. Use masking tape to fix the template. Center punch at 4 locations (Right: 2 locations / Left: 2 locations) as shown in Fig. 4.

INSTALLATION INSTRUCTIONS ...FRONT PROTECTOR



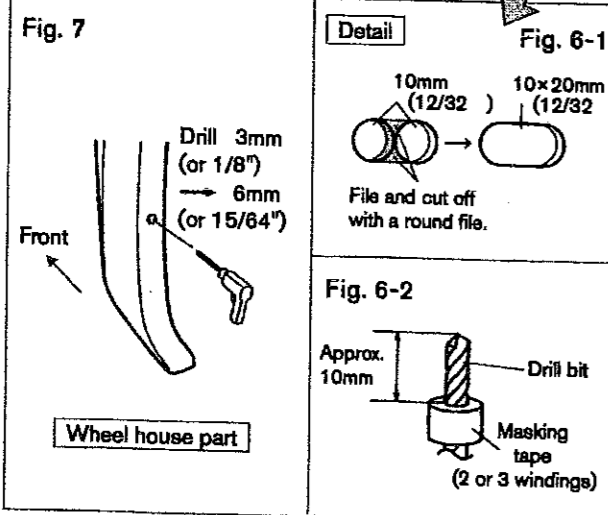
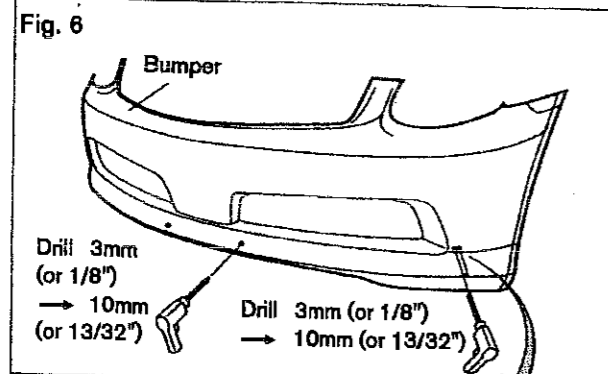
3) Position the template C onto the wheel house part of the front bumper fascia, aligning at the edge of the flange as shown in Fig. 5. Use masking tape to fix the template. Center punch at 2 locations (Right: 1 location / Left: 1 location) as shown in Fig. 5.

4) Remove template A, B, and C.

NOTE

Do not tear template A, B, and C because it will be used again when carrying out the same work for the right side.

4. Drilling Holes on the Front Part of Front Bumper and the Wheel House Part



1) Use a 3mm (or 1/8") to drill 8 pilot holes at the 8 punched positions (Right: 4 locations / Left: 4 locations) in the procedure 3. as shown in Fig. 6 and Fig. 7. Use a 10mm (or 13/32") drill to open up those 2 center holes as shown in Fig. 6. Use a 10mm (or 13/32") drill to open up those 4 side holes as shown in Fig. 6. Use a 6mm (or 15/64") drill to open up those 2 holes on wheel house part as shown in Fig. 7.

NOTE

Wind a masking tape approx. 10mm around a drill bit before drilling.

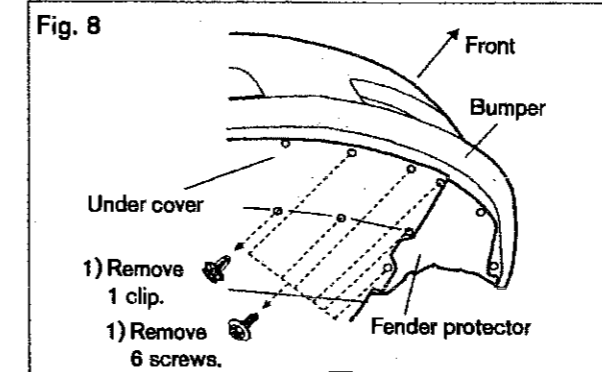
IMPORTANT

Double check to confirm all hole center punch locations before drilling.

2) File and cut off between 10mm (or 13/32") holes with a round file for making 10mm (or 13/32") x 20mm oblong holes as shown in Fig. 6-1.

INSTALLATION INSTRUCTIONS - FRONT PROTECTOR

5. Removing Vehicle Parts (2)



1) Remove clip and screws from the under cover as shown in Fig. 8.

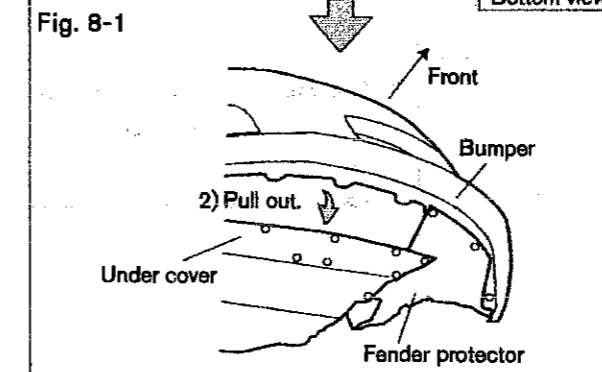
* Clip : Center : 1 location

* Screw : Right : 6 locations

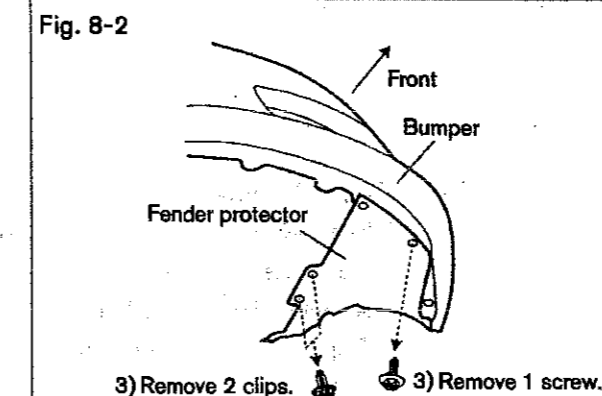
Left : 6 locations

NOTE

The parts that are detached or taken off will be used again. Do not lose them.



2) Pull out the under cover as shown in Fig. 8-1.



3) Remove clips and screws from the fender protector as shown in Fig. 8-2.

* Clips : Right : 2 locations

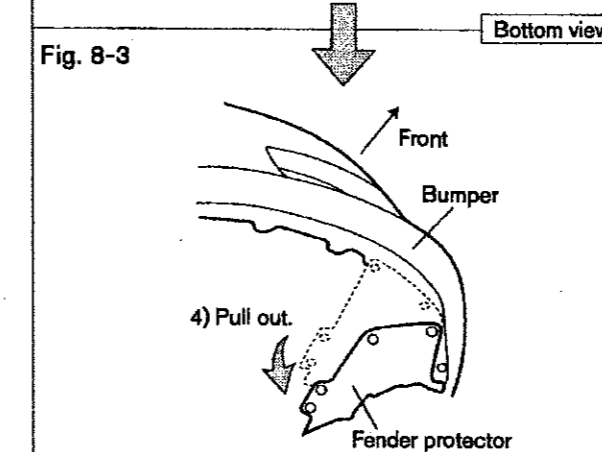
Left : 2 locations

* Screws: Right : 1 location

Left : 1 location

NOTE

The parts that are detached or taken off will be used again. Do not lose them.

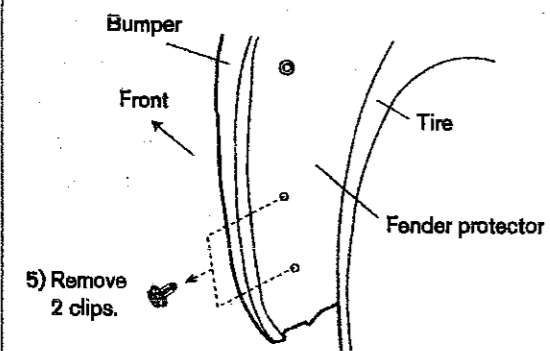


4) Pull out the fender protector as shown in Fig. 8-3.

(Right: 1 location / Left: 1 location)

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

Fig. 9



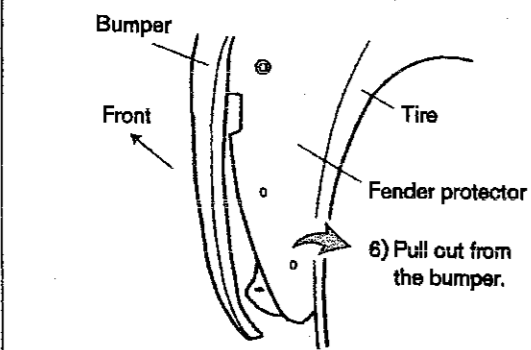
5) Remove 2 clips.

- 5) Remove 2 clips from the fender protector of wheel house part as shown in Fig. 9.
(Right: 2 locations / Left: 2 locations)

NOTE

The parts that are detached or taken off will be used again. Do not lose them.

Fig. 9-1

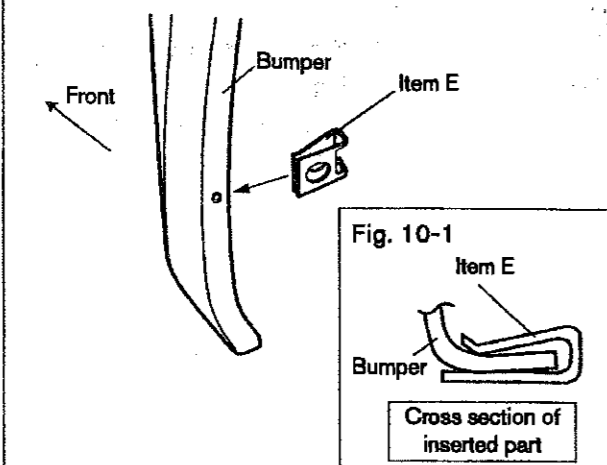


6) Pull out from the bumper.

- 6) Pull out the wheel house part of fender protector from the front bumper as shown in Fig. 9-1.
(Right: 1 location / Left: 1 location)

6. Inserting M5 J-Nut, Item E, into the Wheel House Part of Bumper

Fig. 10



- 1) Insert M5 J-nut, Item E, into the hole which was drilled in the procedure 4.-1) as shown in Fig. 10 and Fig. 10-1.
(Right: 1 location / Left: 1 location)

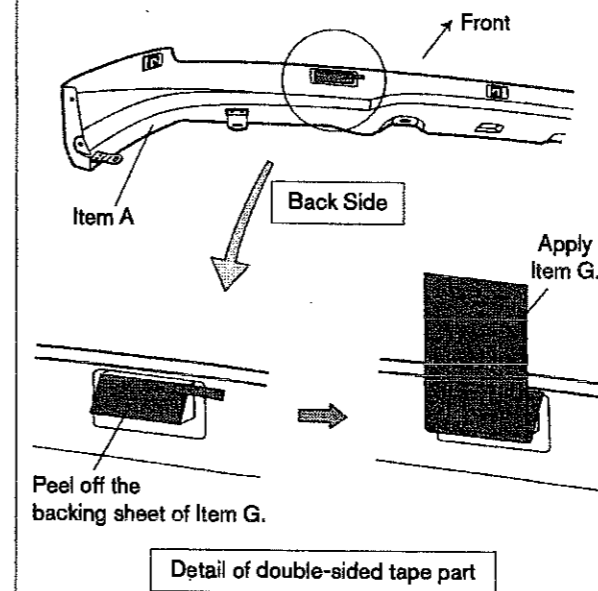
NOTE

Be careful about the inserting direction of the M5 J-nut, Item E.

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

7. Setting Peeling Tape, Item G

Fig. 11



Peel off the backing sheet of Item G.

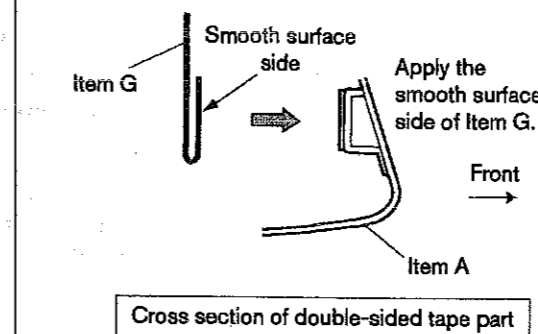
Detail of double-sided tape part

- 1) Peel off the backing sheet from the double-sided tape as shown in Fig. 11.
(Right: 1 location / Left: 1 location)
2) Apply peeling tape, Item G, on the double-sided tape as shown in Fig. 11 and Fig. 11-1.
(Right: 1 location / Left: 1 location)

NOTE

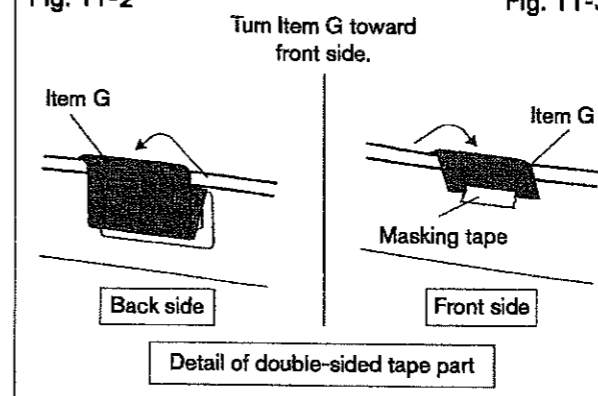
Peeling tape, Item G, has smooth surface side and rough surface side. The smooth surface side of the peeling tape should be applied on the double-sided tape.

Fig. 11-1



Cross section of double-sided tape part

Fig. 11-2



- 3) Turn the upper part of peeling tape, Item G, toward the front side of the front protector, Item A, as shown in Fig. 11-2. Stick the front end of the peeling tape, Item G, on the front side of the front protector, Item A, with masking tape as shown in Fig. 11-3.
(Right: 1 location / Left: 1 location)

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

8. Installing Front Protector, Item A (1)

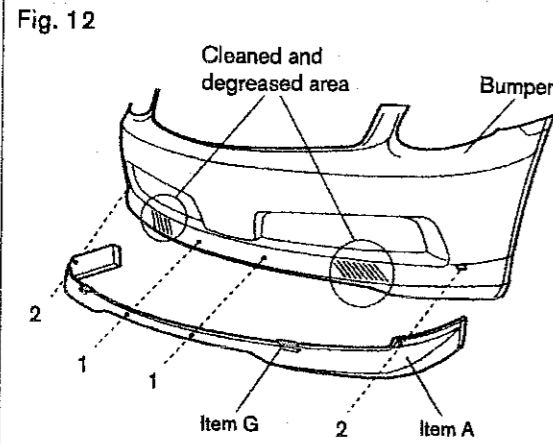


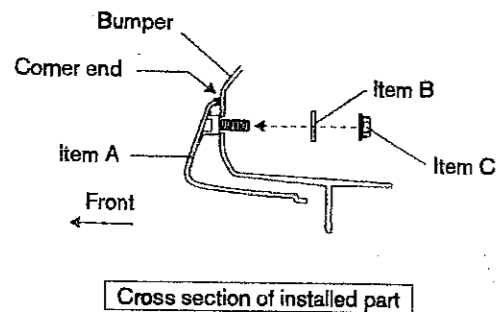
Fig. 12

- 1) Clean and degrease the shaded portions as shown in Fig. 12.
(Right: 1 location / Left: 1 location)
- 2) Inserting the studs on the back side of front protector, Item A, into the 4 holes opened in the procedure 4.-1 and 4-2. In the order of 1 and 2 as shown in Fig. 12, align front protector, Item A, to the front bumper.

NOTE

When aligning front protector, Item A, to the bumper, do it by 2 persons to prevent the bumper from being scratched.

Fig. 12-1



- 3) Pull slightly "1" and "2" portions of the front protector, Item A, in Fig. 12 so as to see through a small gap between the front protector and front bumper. See through the gap to confirm that all stud bolts do not contact the edge of the holes opened on the front bumper. If any stud bolt contacts the edge of the hole, enlarge the hole horizontally as far as the stud bolt does not contact the edge of the hole.

IMPORTANT

If the above procedure 3) has not been done, a gap between the front protector and front bumper will arise.

- 4) Align the top end of front protector, Item A, to the corner end of the opening area of the bumper as shown in Fig. 12 and Fig. 12-1. Temporarily fix front protector, Item A, to the bumper with rubber washer, Item B, and M6 nut, Item C, in the order of 1 to 2 as shown in Fig. 12-1.
(Right: 2 locations / Left: 2 locations)

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

9. Installing Front Protector, Item A (2)

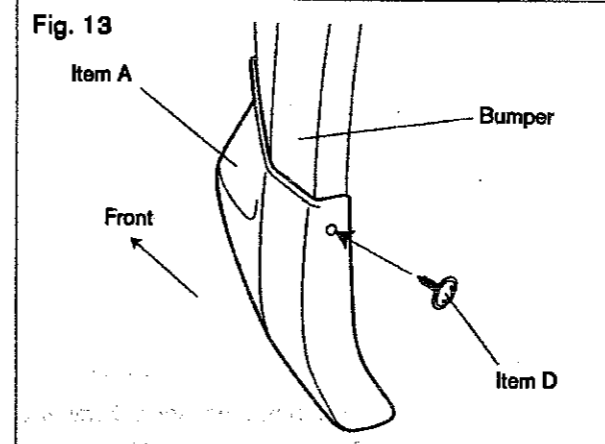


Fig. 13

- 1) Temporarily fix the wheel house part of front protector, Item A, to the bumper with M5x20 tapping screw, Item D, as shown in Fig. 13. (Right: 1 location / Left: 1 location)

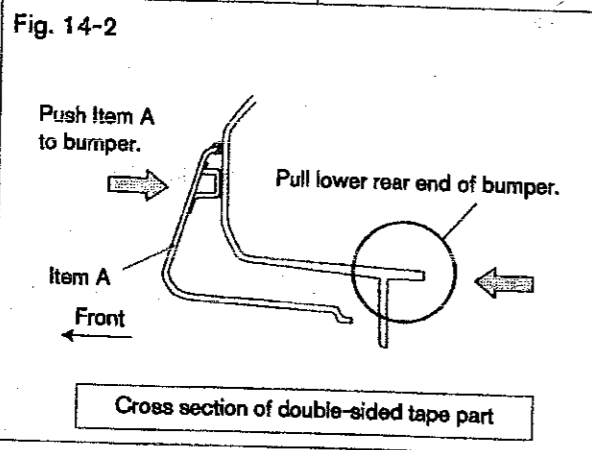
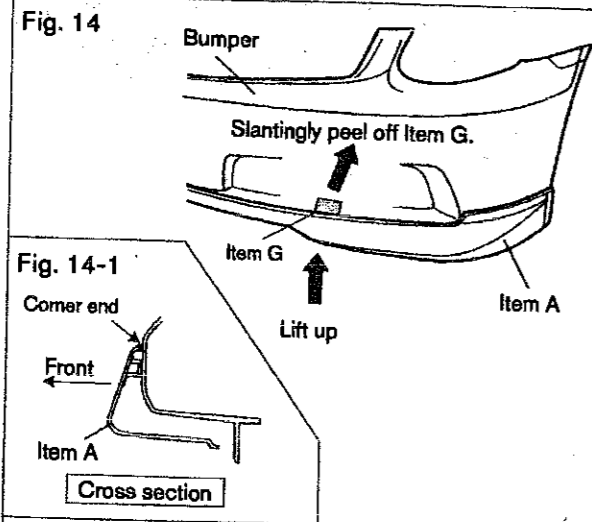
10. Installing Front Protector, Item A (3)

- 1) Tighten firmly M6 nut, Item C, and rubber washer, Item B, at the "1" in Fig. 12 which were fixed temporarily in the procedure 8.-4). (Right: 1 location / Left: 1 location)

NOTE

There are pawls on the backside of the front bumper, and they make it difficult to tighten firmly M6 nut, Item C, and rubber washer, Item B. Therefore, in order to tighten them firmly, be sure to use wrench with "EXTENSION BAR."

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR



IMPORTANT
If hexagonal nut is tighten too tightly, the surface of front protector, Item A, will dent. Do not tighten the nut too tightly. (Reference tightening torque: 3.2 to 3.5 N-m)

- Lifting the front protector, Item A, up, align the top end of the front protector, Item A, to the corner of the front bumper as shown in Fig. 14 and Fig. 14-1. Slantingly peel off peeling tape, Item G, toward the outside of vehicle. Pull lower rear end of bumper and push front protector to bumper with 10 lbs. (5 kg) pressure for 20 seconds as shown in Fig. 14-2.

(Right: 1 location / Left: 1 location)

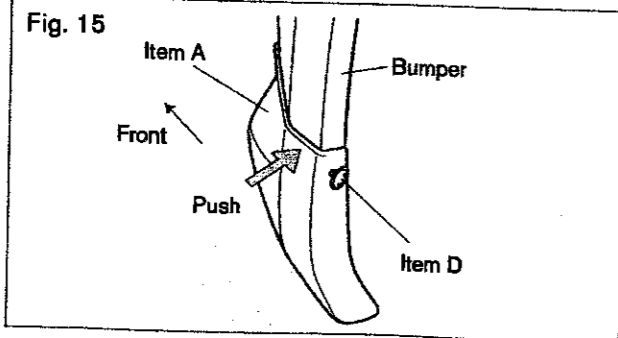
IMPORTANT
In order to ensure good adhesive tape wetout, it is very important to pull lower rear end of bumper and push front protector to bumper with 10 lbs. (5 kg) pressure for 20 seconds.

- Tighten firmly M6 nut, Item C, and rubber washer, Item B, at the "2" in Fig. 12 which were fixed temporarily in the procedure 8.-4) (Right: 1 location / Left: 1 location)

IMPORTANT
If hexagonal nut is tighten too tightly, the surface of front protector, Item A, will dent. Do not tighten the nut too tightly. (Reference tightening torque: 3.2 to 3.5 N-m)

- Reinstall the fender protector, under cover which were pulled out in the procedures 5.-1) to 6), in the reverse order of the procedures 5.-1) to 6).

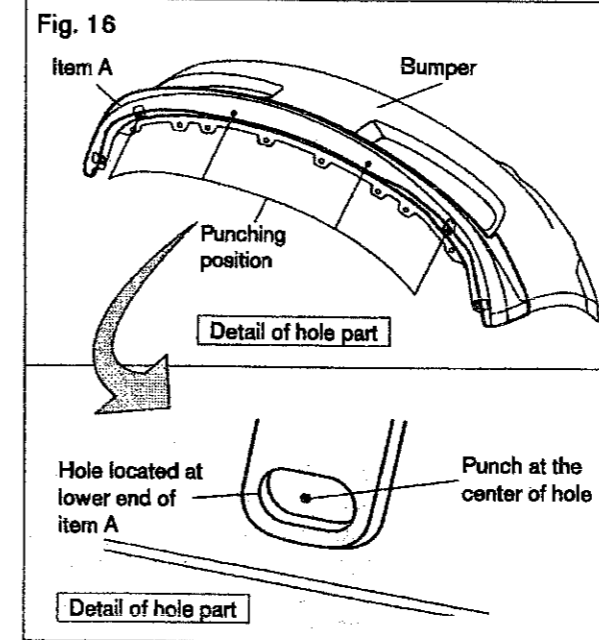
11. Installing Front Protector, Item A (4) (Fixing the Wheel House Part of Front Protector)



- Pushing the wheel house part of front protector, Item A, to the bumper, tighten M5x20 tapping screw, Item D, firmly as shown Fig. 15. (Right: 1 location / Left: 1 location)

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

12. Center Punching at the Positions at the Bottom of Front Bumper

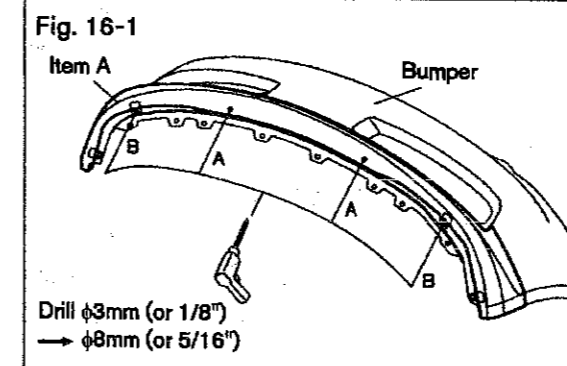


- Punch at the center of each hole located at the bottom of front protector, Item A, on the bumper as shown in Fig. 16. (4 locations)

IMPORTANT
Double check to confirm all hole center punch locations before drilling.

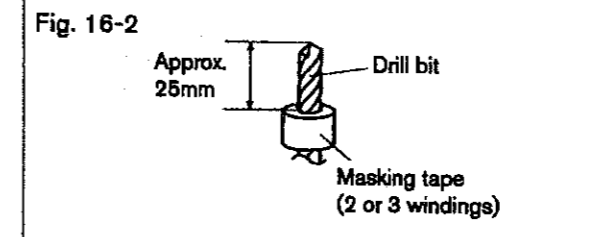
IMPORTANT
Be careful not to scratch the surface of the front protector when drilling.

13. Drilling Holes on the Bottom of the Front Bumper



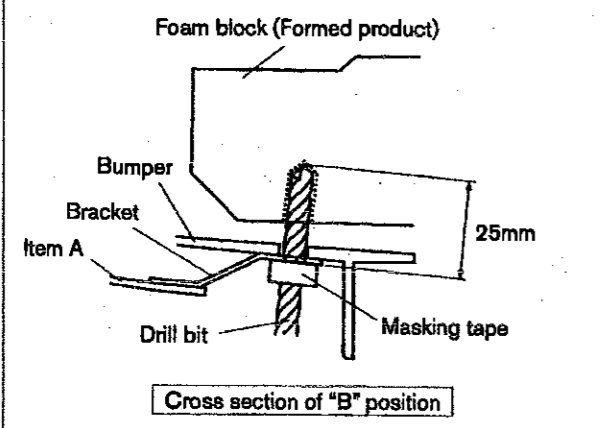
- Use a $\phi 3\text{mm}$ (or $1/8"$) to drill 2 pilot holes at the 2 punched positions at "A" positions in Fig. 16-1 which were center punched in the procedure 12.-1). Use a $\phi 8\text{mm}$ (or $5/16"$) drill to open up those 2 holes as shown in Fig. 16-1.

NOTE
Wind a masking tape approx. 25mm around a drill bit as shown in Fig. 16-2 before drilling at "A" and "B" positions in Fig. 16-1.



INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

Fig. 16-3



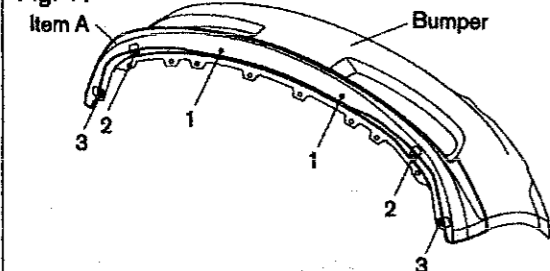
- 2) Use a $\phi 3\text{mm}$ (or $1/8"$) to drill 2 pilot holes at the 2 punched positions at the "B" positions in Fig. 16-1 which were center punched in the procedure 12.-1). Use a $\phi 6\text{mm}$ (or $5/16"$) drill to open up those 2 holes as shown in Fig. 16-1 and Fig. 16-3. When drilling at the "B" positions, be sure to drill holes 25mm through foam block (foamed product located at the inside of the front bumper) together with front bumper as shown in Fig. 16-3.

IMPORTANT

If the holes are not drilled 25mm enough through the foam block, clips may not fixed firmly. So, be sure to drill holes through foam block together with front bumper as shown in Fig. 16-3.

14. Installing Front Protector, Item A (5)

Fig. 17



- 1) Fix the bottom of front protector, Item A, to the bumper with clip, Item F, in the order of "1" to "2" as shown in Fig. 17, Fig. 17-1, and Fig. 17-2 (4 locations).
- 2) After fixing the front protector at "1" and "2" in Fig. 17 with the clips, fix the bottom of the front protector to the bumper at "3" in Fig. 17 with the removed vehicle screw removed in the procedure 2.-2) as shown in Fig. 17 and Fig. 17-3 (2 locations).

NOTE

For fixing the bottom of front protector to the bumper at "3" in Fig. 17, use the vehicle screws removed in the procedure 2.-1).

- 3) Jack down the front part.

Fig. 17-1

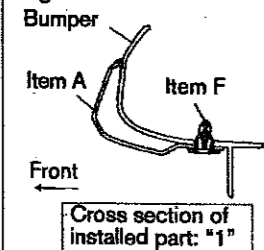


Fig. 17-3

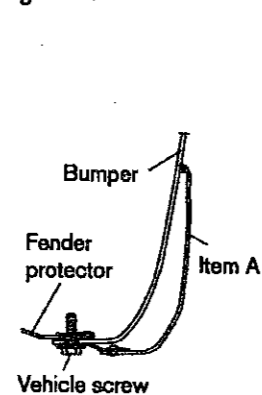
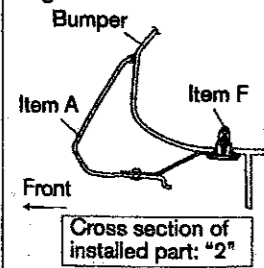


Fig. 17-2



Cross section of installed part: "3"

INSTALLATION INSTRUCTIONS – FRONT PROTECTOR

8. MANUFACTURING LOT NUMBER DISPLAY

