GENUINE PARTS

INSTALLATION INSTRUCTIONS

1. DESCRIPTION: Front Aero Bumper

2. APPLICATION: M (2011)

3. PART NUMBER: K6020 1MXX

4. KIT CONTENTS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Part Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>1</td>
<td>Front Aero Bumper</td>
</tr>
<tr>
<td>②</td>
<td>1</td>
<td>Lower Grille LH A</td>
</tr>
<tr>
<td>③</td>
<td>1</td>
<td>Lower Grille LH B</td>
</tr>
<tr>
<td>④</td>
<td>1</td>
<td>License Plate Bracket</td>
</tr>
<tr>
<td>⑤</td>
<td>2</td>
<td>Bolt</td>
</tr>
<tr>
<td>⑥</td>
<td>2</td>
<td>Screw Grommet</td>
</tr>
<tr>
<td>⑦</td>
<td>4</td>
<td>Spring Nut</td>
</tr>
<tr>
<td>⑧</td>
<td>1 each</td>
<td>End Cap (RH/LH)</td>
</tr>
<tr>
<td>⑨</td>
<td>6</td>
<td>Clip</td>
</tr>
<tr>
<td>⑩</td>
<td>4</td>
<td>Tapping Screw</td>
</tr>
<tr>
<td>⑪</td>
<td>1 each</td>
<td>Fog Lamp Finisher (RH/LH)</td>
</tr>
<tr>
<td>⑫</td>
<td>1</td>
<td>Installation Instruction Replacement Template</td>
</tr>
</tbody>
</table>

5. TOOLS REQUIRED:

1. Drill
2. Drill Bit (3 mm (1/8"), 6 mm (15/64"), 10 mm (25/64"), 20 mm (3/4"))
3. Box Wrench (10 mm (25/64"))
4. Long-nose Pliers
5. Phillips Head Screwdriver
6. Clip Remover
7. Cutter
8. Awl
9. Scissors
10. Masking Tape
11. Protective Eyewear
12. Nipper
6. PRE-INSTALLATION NOTE:

- These instructions are for the left side of the vehicle; the same procedure applies to the right side.
- For the right side installation, use the template with the text facing the vehicle.
7. INSTALLATION PROCEDURE:

1. Preparation for the front bumper removal

1) Open the front hood and remove the battery's negative(-)terminal.
2) To prevent scratches, protect the vehicle by applying masking tape. See Fig. 1.

2. Vehicle part removal

1) Remove the hexbolts that hold the Front bumper to the under cover (5 locations on each side). See Fig. 2.

2) Remove the clip that holds the fender protector to the fender (1 location on each side) to pull the fender protector. See Fig. 3.
3) Remove the tapping screw inside the wheel arch (1 location on each side). See Fig. 3.

NOTE
Be careful not to lose or damage the parts that will be reused.
4) Remove the clips that mount the upper side of the bumper to the radiator-upper cover (12 locations). See Fig. 4.

5) Remove the hex bolt that seats between the radiator grille and the headlamp to pull the metal plate (hex bolt, 1 location on each side; metal plate, 1 location on each side). See Fig. 5.

**NOTE**

Be careful not to lose or damage the clips, hex bolts and metal plates that will be reused.

6) Pull and detach the front bumper from the claws under the fender and the headlamp (● locations on Fig.6). Remove fog lamp connector from the front bumper.
3. Vehicle part adjustment

- Fig. 7 (Sports only)
  - Aline the surface of the reinforce
  - Cutting line
  - Air guide
  - Fender Protector
  - End of Fender Protector

- Cutting the air guide LH (sport only)
  1) Detach the energy absorber from the reinforcement.
  2) Position the cutting line by using a masking tape, etc. and cut the front part of the air guide LH along the line by using scissors. See Fig. 7.
  3) Remove burrs remaining around the cut line.
  4) Mount the energy absorber back to the reinforcement.

- Fig. 8

- Install End Cap
  5) Turn tires
  6) Temporarily attach the end cap \( \oplus \) by using masking tape in line with the shape of the fender protector. See Fig. 8 and Fig. 9, a-a, b-b.
  7) Put a marking with an awl at the hole center part of the end cap \( \oplus \) (3 locations on each side). See Fig. 9.
  8) Remove the End cap \( \oplus \).

- Fig. 9
  - Fender protector
  - End cap \( \oplus \)
  - Marking
  - Masking tape
  - a-a
  - b-b

Touch against the rib
9) Drill holes locations marking in step 8) (3 locations on each side; 3 mm φ (1/8") pilot holes and 6mm φ (15/64") holes). See Fig. 10.

10) Remove burrs remaining around the holes.

11) Mount the end cap LH ③ and secure it to the fender protector by using the clips ③. See Fig. 11.

4. Front bumper part removal

1) Remove the nuts and tapping screw on the detached front bumper and detach the radiator grille from the claws. See Fig. 12.

2) Remove the spring nuts from the underside of the bumper (4 locations). See Fig. 13.
3) Disengage the screw on the upper side of the bumper (2 locations) to remove the bracket. See Fig. 14.

4) Detach the claws, and then remove the fog lamp finisher. See Fig. 15.

5) Remove the hex bolt (1 location on each side), detach the claw, and then remove the fog lamp. See Fig. 16.
5. Preparation for the Front Aero Bumper installation

1) Reinstall the radiator grille detached in step 4.-1) to the Front Aero Bumper with the claws engaged, secure it with the nuts and tapping screw. See Fig.17.

2) Reinstall the bracket detached in step 4.-3) to the upper side of the Front Aero Bumper by using screw (2 locations on each side). See Fig.18.

3) Reattach the spring nuts detached in step 4.-2) to the under side of the Front Aero Bumper (4 locations). See Fig.19.

4) Reinstall Fog lamp detached in step 4.-5) to the Front Aero Bumper with the Hex bolt. See Fig.20.

5) Install Fog lamp finisher by claw. See Fig.20.
6) Install spring nut in Front Aero Bumper (4 locations) Install Lower Grille with Screw (4 locations). See Fig. 21.

For vehicles that need to attach the license plate bracket
7) Drill a hole in the center of the marking (4 locations) in the center on the reverse side of the Front Aero Bumper (1 location each side; 3mm φ (1/8") pilot holes -> 10mm φ (15/64") holes, 1 location each side; 3mm φ (1/8") pilot holes -> 20mm φ (3/4") holes). See Fig. 22.
8) Remove burrs remaining around the holes.

9) Insert the grommet (5) into the hole on the front bumper (1 location each side). See Fig. 23.

10) Attach the License Plate Bracket (4) and secure it with the bolt (5). See Fig. 23.
6. Installing the Front Aero Bumper

1) Hold Front Aero Bumper close to the vehicle. Connect fog lamp connectors. Listen for "click" sound, then tug to ensure the connection is secure. Reinstall Front Aero Bumper. See Fig. 24.

2) Re-connect battery negative terminal.

3) With the lighting switch set to AUTO position and the low beam of the headlamp being illuminated, the fog lamp comes on when the fog lamp SW.ON is selected.

**NOTE**

Be sure to check to see if the small lamp, headlamp and turn signal lamp function properly.

4) Insert the metal plate detached in step 2-5) into the side of the radiator grille of the Front Aero Bumper. See Fig. 25, 25 a.

5) Fix the metal plate to the Front Aero Bumper using the hex bolt (1 location on each side). See Fig. 25.

6) Install the clip. Fig. 26.
7) Install the clip (short). See Fig. 27. (2 locations on upper side).

8) Install the radiator upper cover. See Fig. 28.
9) Install the center clip (long). See Fig. 28. (1 location on upper side).

10) Install the clip of the remainder. See Fig. 29. (7 locations on upper side).

11) Secure the wheel arch part of the Front Aero Bumper by using a tapping screw (1 location on each side). See Fig. 30.
12) Secure the fender protector by using a clip (1 location on each side). See Fig. 30.
13) Follow the opposite procedure of the front bumper removal to secure the underside of the Front Aero Bumper ① by using the hex bolt (5 locations on each side). See Fig. 31.

14) Connect the battery's negative (-) terminal.

15) Peel off the masking tape.

16) Close the front hood.
7. Aiming the optical axis of Fog lamp

1) Ensure that the fog lamp comes on. The fog lamp comes on only when the headlamp is set to the low beam. At other positions, the fog lamp will not come on.

**NOTE:**
- The fog lamp will not come on when the fog lamp SW only is turned ON.

**(optional process)** (only if necessary)

2) Perform the photometric axis adjustment (see Fig. 36) by turning the screw located under the lamp using a Phillips screwdriver as shown in Fig. 36-1.

3) Ensure that the electric equipment, such as the small lamp, headlamp and turn signal lamp, functions properly.

**NOTE**

Be sure to check to see if the small lamp, headlamp and turn signal lamp function properly.

4) Install the Front fender protector and Mudguard to the original positions. Using the original bolts and clips.
8. CHECK AFTER INSTALLATION

1) Please check that the installation has no problem.
   a) Confirm connection of connector is secure.
   b) Confirm whether wire harness is fixed.
   c) Confirm no part moving which will cause rattling noise.
   d) Confirm harness is protected from damage by sharp bracket edges.

9. FUNCTION CHECK

   1) Re-connect battery negative terminal.
   2) With the lighting switch set to AUTO position and the low beam of the headlamp
      being illuminated, the fog lamp comes on when the fog lamp SW.ON is selected.

10. REINSTALLATION OF REMOVED PARTS

    1) All removed vehicle parts have been reinstalled.

   ✔️ CAUTION
   Use caution when re-installing vehicle parts to avoid damage, scratch, or breaking of
   mounting clips.

11. VEHICLE CHECK

    1) Remove all tools from the vehicle.
    2) Inspect reinstalled vehicle parts for proper panel fit.
    3) Turn ignition to ON position.
    4) Reset radio presets to the recorded setting.
    5) Confirm proper radio operation.
    6) Initialize sun roof, and power window operation.
    7) Turn ignition to off position.

   ✔️ CAUTION
   During reinstallation, please use caution so as not to cause the stacking or pinching of
   the vehicle’s harness, or damage any parts.

12. SERVICE PARTS:

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Part Number</th>
<th>Item (see pg.1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARTS-FIX,BMPR-AERO FR KIT</td>
<td>K602X 1M000</td>
<td>7 8 9 10</td>
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