This bulletin provides information on some 2016MY Optima (JFa) vehicles, produced from September 28, 2015 to September 26, 2016, which may exhibit a buzzing noise that may increase with intensity in conjunction with the HVAC fan speed, a popping or clicking noise when driving over bumps or turning, and/or a loose folding cover, depending on the vehicle production date. For details regarding each type of inspection/repair, refer to its respective section below. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

### Service Action No. | Production Date Range | Procedures | Page
--- | --- | --- | ---
SA270A | September 28, 2015 to March 7, 2016 | • Decorative Cover Lubrication  
• Weather Strip Inspection/Repair  
• Folding Cover Inspection/Replacement | 2-6
SA270B | February 28, 2016 to September 26, 2016 | • Weather Strip Inspection/Repair  
• Folding Cover Inspection/Replacement | 7-9
SA270C | Closed | Closed | -

**NOTICE**

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

This issue number is SA270.
Service Procedure (SA270A):
1. Follow the three procedures outlined on pages 2 through 6 of this bulletin.

Decorative Cover Lubrication Procedure:
1. Open sunroof shade only using the sunroof switch (A) at the overhead console.

2. Using a 90° pick, at the rear of the sunroof assembly, carefully detach the rear part of the decorative cover (B).

   **CAUTION**
   Use caution not to damage the headliner when removing the decorative cover.

   **CAUTION**
   Use caution not to damage the decorative cover as it will require replacement of the complete sunroof assembly and is not warrantable.

3. While holding the decorative cover, use an acid brush and apply a sufficient amount of lubricant on the top of the sunshade guide rail.

   **NOTICE**
   Protect the headliner as necessary to avoid lubricant contamination.
4. Lubricate the bottom of the decorative cover (C).

5. Carefully reattach the decorative cover by pushing the cover in until it snaps into place.

6. Thoroughly clean the excess lubricant from the decorative cover.

**NOTICE**

Ensure the headliner and sunroof glass are clean and free of lubricant.

7. Repeat steps 2-6 for the other side.
Weather Strip Inspection and Repair Procedure:

1. Inspect the weather strip (A).

   If the weather strip is loose (B), experiencing a fluttering noise, proceed to the next step.

   If the weather strip is adhered (C) with a uniform gap between the strip and the sunroof frame, no further action is required. Proceed to the next procedure on page 3 of this bulletin.

2. Partially remove the affected area of weather strip and clean the contact surface between the strip and sunroof frame using alcohol or a general purpose adhesive cleaner.

   **NOTICE**

   Failure to thoroughly clean old adhesive or foreign material from the contact surface may result in an ineffective or repeat repair.

3. Apply a thin bead of adhesive to the weather strip.

4. Push the weather strip down onto the sunroof frame and apply pressure for approximately 30 seconds until the weather strip has properly adhered to the sunroof frame.

5. After ensuring that the adhesive has cured, open and close the sunroof several times to confirm proper installation of the weather strip.

TSB: SA270 (Rev 1) Optima (JFa) January 2017
Folding Cover Inspection and Replacement Procedure:

1. With the sunroof in the tilt position, carefully, with light pressure, pull the rear of the folding cover (A) inwards.

   If the folding cover does not easily detach, no further action is required. Ensure the folding cover is securely attached to the slide rails then return the sunroof to the closed position.

   If the folding cover is easily detachable from the slide rail, proceed to the next step.

2. Completely remove the folding cover (B) and separate it the sliding bracket (C).

3. Reinstall in the sliding bracket to the upper sliding rail (C) without the folding cover (B) attached. Ensure the sliding bracket is completely secured at all four (4) locations shown.

4. Completely open the sunroof the insert the rolled edge at the top rear of the new improved folding cover (B) into the sliding bracket (C) attached to the sliding rail.
5. Attach the bottom front of the folding cover to the lower sliding rail (D) then insert the front end of the folding cover into the opening (E).

![CAUTION](image)

Use caution not to unfold the folding cover when inserting the front end into the opening.

6. Ensure complete attachment of the bottom of the folding cover to the lower sliding rail.

7. Repeat steps 1 through 7 of this procedure for the other side’s folding cover.

8. Verify proper operation of the sunroof and ensure there is no damage to the folding cover.
Service Procedure (SA270B):

1. Follow the two procedures outlined on pages 7 through 9 of this bulletin.

Weather Strip Inspection and Repair Procedure:

1. Inspect the weather strip (A).

   If the weather strip is loose (B), experiencing a fluttering noise, proceed to the next step.

   If the weather strip is adhered (C) with a uniform gap between the strip and the sunroof frame, no further action is required. Proceed to the next procedure on page 3 of this bulletin.

2. Partially remove the affected area of weather strip and clean the contact surface between the strip and sunroof frame using alcohol or a general purpose adhesive cleaner.

   **NOTICE**

   Failure to thoroughly clean old adhesive or foreign material from the contact surface may result in an ineffective or repeat repair.

3. Apply a thin bead of adhesive to the weather strip.

4. Push the weather strip down onto the sunroof frame and apply pressure for approximately 30 seconds until the weather strip has properly adhered to the sunroof frame.
5. After ensuring that the adhesive has cured, open and close the sunroof several times to confirm proper installation of the weather strip.

Folding Cover Inspection and Replacement Procedure:

1. With the sunroof in the tilt position, carefully, with light pressure, pull the rear of the folding cover (A) inwards.
   
   If the folding cover does not easily detach, no further action is required. Ensure the folding cover is securely attached to the slide rails then return the sunroof to the closed position.

   If the folding cover is easily detachable from the slide rail, proceed to the next step.

2. Completely remove the folding cover (B) and separate it the sliding bracket (C).

3. Reinstall in the sliding bracket to the upper sliding rail (C) without the folding cover (B) attached. Ensure the sliding bracket is completely secured at all four (4) locations shown.

4. Completely open the sunroof then insert the rolled edge at the top rear of the new improved folding cover (B) into the sliding bracket (C) attached to the sliding rail.
5. Attach the bottom front of the folding cover to the lower sliding rail (D) then insert the front end of the folding cover into the opening (E).

![Image of sunroof components]

**CAUTION**

Use caution not to unfold the folding cover when inserting the front end into the opening.

6. Ensure complete attachment of the bottom of the folding cover to the lower sliding rail.

![Image of sunroof attachment check]

7. Repeat steps 1 through 7 of this procedure for the other side’s folding cover.

![Image of sunroof operation check]

8. Verify proper operation of the sunroof and ensure there is no damage to the folding cover.
### SUBJECT: PANORAMIC SUNROOF INSPECTION AND REPAIR (SA270)

#### AFFECTED VEHICLE RANGE:

<table>
<thead>
<tr>
<th>Model</th>
<th>Service Action No.</th>
<th>Production Date Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optima (JFa)</td>
<td>SA270A</td>
<td>September 28, 2015 through March 7, 2016</td>
</tr>
<tr>
<td></td>
<td>SA270B</td>
<td>February 28, 2016 through September 26, 2016</td>
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#### REQUIRED TOOLS:

<table>
<thead>
<tr>
<th>Service Action No.</th>
<th>Part Name</th>
<th>Figure</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA270A (Decorative Cover Lubrication)</td>
<td>Acid Brush</td>
<td><img src="#" alt="Acid Brush Image" /></td>
<td>Sourced locally</td>
</tr>
<tr>
<td></td>
<td>90° Pick</td>
<td><img src="#" alt="90° Pick Image" /></td>
<td>Sourced from tool vendor</td>
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#### REQUIRED PART:

<table>
<thead>
<tr>
<th>Service Action No.</th>
<th>Part Name</th>
<th>Qty.</th>
<th>Figure</th>
<th>Figure</th>
<th>Comments</th>
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<td>1</td>
<td><img src="#" alt="Lubricant Image" /></td>
<td><img src="#" alt="Figure Image" /></td>
<td>One container will cover at least 100 vehicles Maximum order quantity 1 per dealer</td>
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</table>

**NOTICE**

DO NOT order additional lubricant if it has already been acquired as this lubricant is also utilized for TSB BOD125.

#### REQUIRED PART:

<table>
<thead>
<tr>
<th>Service Action No.</th>
<th>Part Name</th>
<th>Figure</th>
<th>Figure</th>
<th>Comments</th>
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<tr>
<td>SA270A &amp; SA270B (Weather Strip Repair)</td>
<td>Gorilla Super Glue</td>
<td><img src="#" alt="Gorilla Super Glue Image" /></td>
<td>Sourced locally</td>
<td>One 20g bottle will cover at least 10 vehicles</td>
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<td></td>
<td>3M Adhesive Cleaner</td>
<td><img src="#" alt="3M Adhesive Cleaner Image" /></td>
<td>Sourced locally</td>
<td>One quart will cover at least 100 vehicles</td>
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</table>
### Subject: Panoramic Sunroof Inspection and Repair (SA270)

#### Required Part:

<table>
<thead>
<tr>
<th>Service Action No.</th>
<th>Part Name</th>
<th>Part Number</th>
<th>Figure</th>
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<tbody>
<tr>
<td>SA270A &amp; SA270B</td>
<td>Folding Cover (LH)</td>
<td>81673 D4000QQK</td>
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<tr>
<td></td>
<td>Folding Cover (RH)</td>
<td>81674 D4000QQK</td>
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#### Warranty Information:

**SA270A** (Decorative Cover, Weather Strip, and Folding Cover)

**N Code:** N99  **C Code:** C99

<table>
<thead>
<tr>
<th>Claim Type</th>
<th>Causal P/N</th>
<th>Qty.</th>
<th>Repair Description</th>
<th>Labor Op Code</th>
<th>Op Time</th>
<th>Replacement P/N</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>V</td>
<td>81610 D4010</td>
<td>0</td>
<td>Decorative Cover Lubrication, Weather Strip Inspection, &amp; Folding Cover Inspection</td>
<td>160A46R0</td>
<td>0.4 M/H</td>
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<td>Decorative Cover Lubrication, Weather Strip Repair, &amp; Folding Cover Inspection</td>
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<td>Decorative Cover Lubrication, Weather Strip Inspection, &amp; Folding Cover Replacement (One)</td>
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<td>Decorative Cover Lubrication, Weather Strip Inspection, &amp; Folding Cover Replacement (Both)</td>
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**Note:** Use sublet code X1 for reimbursement of lubricant ($0.85 maximum).
## Warranty Information:

**SA270B (Weather Strip and Folding Cover)**

**N Code:** N99  **C Code:** C99

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<thead>
<tr>
<th>Claim Type</th>
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<th>Repair Description</th>
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<th>Op Time</th>
<th>Replacement P/N</th>
<th>Qty.</th>
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<tbody>
<tr>
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<td>V 81614 D4000 0</td>
<td>Weather Strip Repair &amp; Folding Cover Inspection</td>
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<td>V 81614 D4000 0</td>
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