



Creaking/Cracking Noise from the Upper Roof Area

MODEL

| |
|-----------------------------------|
| R60 (Cooper, Cooper S Countryman) |
| Produced from July 31, 2011 |

SITUATION

A creaking noise can be heard from the rear roof area when driving on rough roads or uneven surfaces.

CAUSE

The body shell roof support area, where the C-pillar is joined to the roof, is buckling, creating the noise.

UPDATE! CORRECTION

Apply stiffening dimples to the roof support to eliminate buckling (flexing) of sheet metal.

PROCEDURE

UPDATE! For conditions that are similar to the situation described:

1. Confirm the location of the roof noise being generated at the upper area of the C-pillar, and proceed to the next step.



2. Remove the headliner and inner C-pillar trim from the affected side. Refer to REP "RA 51 44 013 Removing and installing/replacing headlining".

3. Road test the vehicle with a helper, inserting a screwdriver through the roof, and opening and



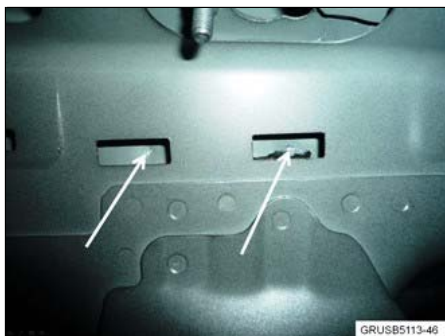
applying varying pressure to the metal roof support as shown. If the noise can be eliminated by applying pressure, proceed to the next step



4. Insert a steel center punch through the rear rectangle opening of the reinforcement. Using a heavy steel hammer, hit the punch hard enough to create a small dimple in the sheet metal.



5. Use the same procedure for the front rectangle opening, and make another small dimple.



6. The arrows show the size of the two small dimples created.
7. Test drive the car to ensure the noise has been eliminated.
8. Apply paint dabs to the two dimples to restore corrosion protection.
9. **UPDATE!** Apply cavity protection wax (BMW part number 83 42 0 428 348) into the same punch access openings.
10. Install all removed parts in the reverse order of their removal.

PARTS INFORMATION

| Part Number | Description | Quantity |
|-----------------|---------------------------|----------|
| 83 42 0 428 348 | BMW Cavity protection wax | |

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty as applicable.

| | |
|---------------------|-----------------------|
| Defect Code: | 41 21 02 39 00 |
|---------------------|-----------------------|

With Panoramic Roof

| Labor Operation: | Labor Allowance: | Description: |
|------------------|------------------|---|
| 51 44 013 | KSD2 | Removing and installing headliner with panoramic roof |
| or | | |
| | | |
| 51 44 513 | KSD2 | Removing and installing headliner with panoramic roof (plus work) |

Or:

Without Panoramic Roof

| -+ | Labor Allowance: | Description: |
|-----------|------------------|---|
| 51 44 002 | KSD2 | Removing and installing headliner without panoramic roof |
| or | | |
| | | |
| 51 44 502 | KSD2 | Removing and installing headliner without panoramic roof (plus work) |

and

| Labor Operation: | Labor Allowance: | Description: |
|------------------|------------------|---|
| 51 36 530 | KSD2 | Removing and installing or replacing finisher panel on the left or right C-pillar (plus work) |

| | | |
|---------------|--------|--|
| and | | |
| *51 99 000 | 2 FRU | Work time to create center punch marks in the roof support sheet metal and add cavity protection wax |
| and | | |
| Sublet Code 4 | \$1.00 | Reimbursement for the used quantity of protective coating or paint |

*Even though work time labor operation code 51 99 000 ends in "000," it is not considered a Main labor operation.

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