

Cracking noises when driving over undulations

Topic number	LI62.30-P-061211
Version	1
Design group	62.30 Front cross member and reinforcement
Date	04-01-2015
Validity	190.377/378
Reason for change	
Reason for block	

Complaint:

Cracking noises from the area of the windshield/ engine compartment when driving over undulations or speedbumps.

Cause:

Engine compartment diagonal strut

Remedy:

Modify contact surfaces of engine compartment diagonal strut on left and right.

Note:

The operation steps are described for the right diagonal strut as an example, but must be performed on both struts.

Work procedure:

1. Remove diagonal strut (Figure 1; item A)
2. Check flatness of contact surface for diagonal strut in area of windshield (Figure 2, item B)
3. Sand the contact surface for the diagonal strut in the area of the windshield using emery cloth or abrasive paper (120 grit) (Figure 2, shaded area)

Note:

Only sand lightly in the immediate contact area and do not sand down to the bare metal.

4. Repeat the work at the front contact point (Figure 3, item C and shaded area)
5. Clean and recut all threads (5x per diagonal strut)
5. Also sand the contact surfaces on the diagonal struts (Figure 4; item D and shaded area)
5. Install diagonal struts (revised torque: 30Nm)

Attachments	
File	Description
Abbildung 1.jpg	Figure 1
Abbildung 2A.JPG	Figure 2
Abbildung 3A.JPG	Figure 3
Abbildung 4.jpg	Figure 4

Symptoms
Chassis/suspension / Chassis, noises / Cracking
Chassis/suspension / Chassis, noises / Knocking
Chassis/suspension / Frame / Frame noise / Cracking/creaking
Chassis/suspension / Suspension/Dampening / Suspension system noises / Thumping noise

Chassis/suspension / Suspension/Dampening / Suspension system noises / Metallic noise

Chassis/suspension / Axle / Front axle / Front axle, noise / Cracking

Work units

Op. no.	Operation text	Time	Damage code	Note
			62081 36	

Validity

Vehicle	Engine	Transmission
190.377	*	*
190.378	*	*

Attachments

Abbildung 1.jpg:

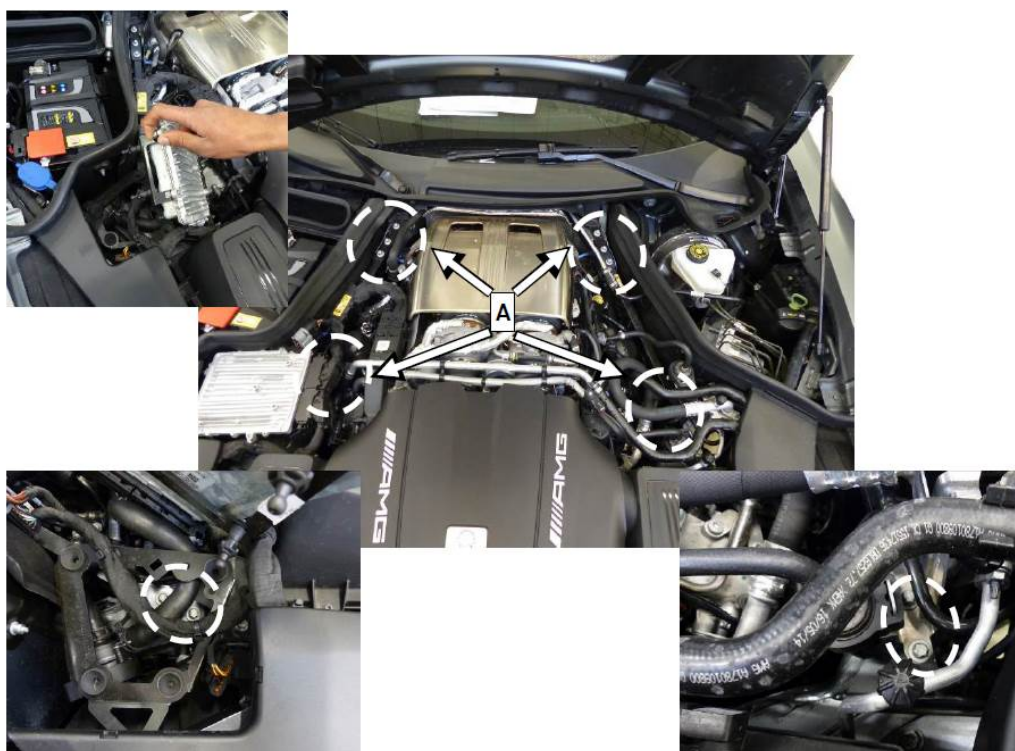


Abbildung 2A.JPG:

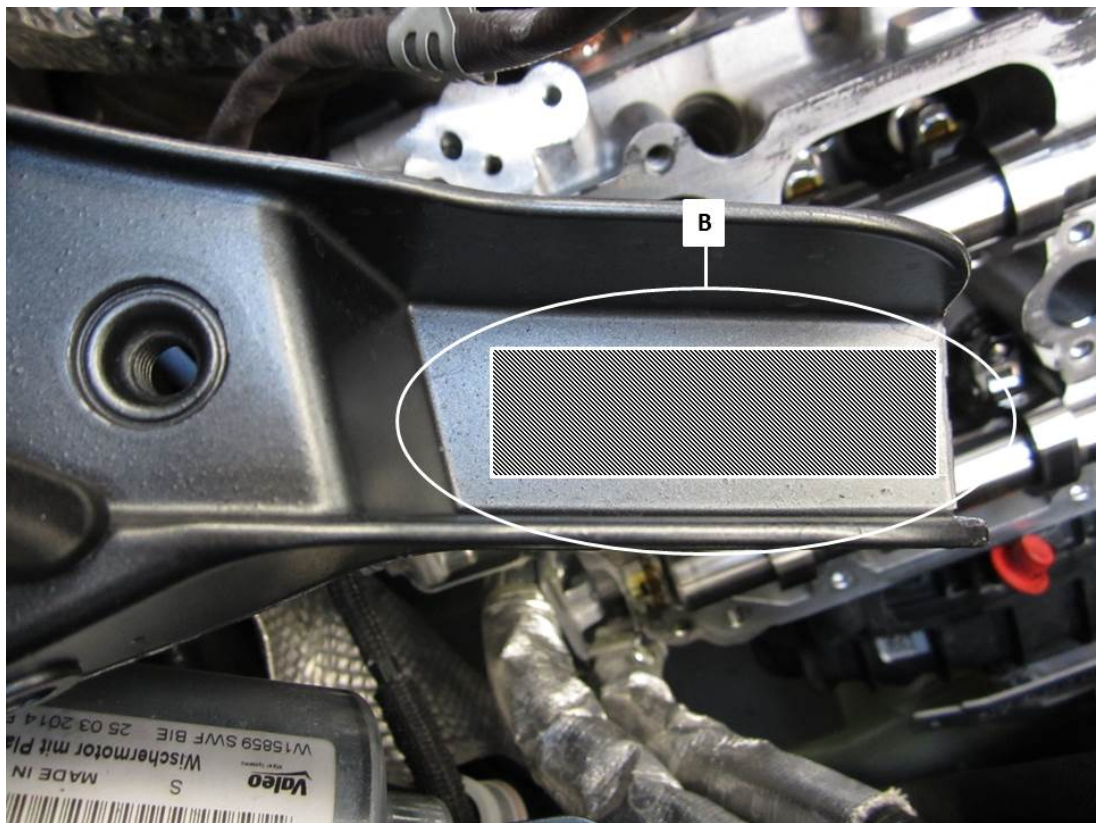


Abbildung 3A.JPG:

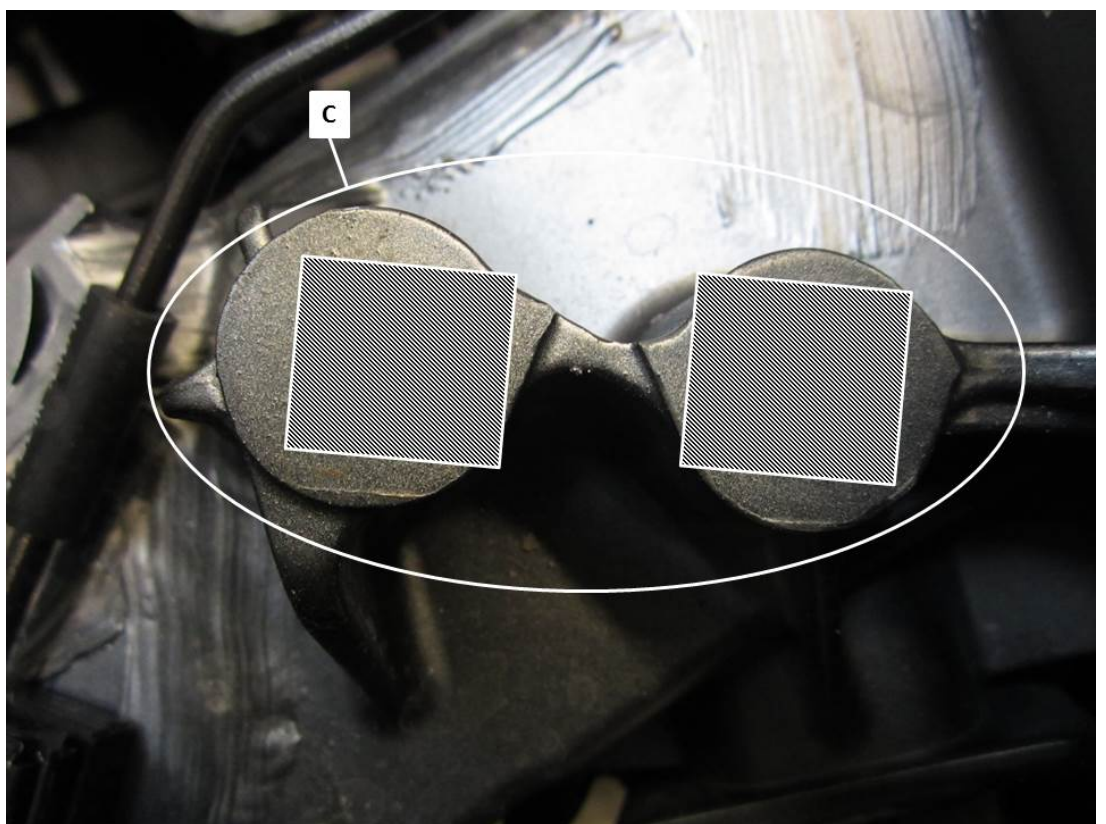


Abbildung 4.jpg:

