



SI M31 03 15
Front Axle

November 2016
Technical Service

CRACKING NOISE IN THE AREA OF THE FRONT AXLE SUPPORT / WISHBONE

This Service Information bulletin supersedes SI 31 03 15 dated February 2016

MODEL

F54 (Cooper Clubman, Cooper S Clubman)	F55 (Cooper Hardtop 4 door, Cooper S Hardtop 4 door)	F56 (Cooper Hardtop 2 door, Cooper S Hardtop 2 door)	From start of production to 10/2016
--	--	--	-------------------------------------

SITUATION

Cracking noise coming from the area of the front axle when driving over rough road surfaces, railroad crossings and speed bumps.

CAUSE

Wishbone rubber mount

PROCEDURE

Refer to [SI M31 01 14](#) before performing any repairs.

Replace both wishbones of the front axle as per ISTA REP 3112001 Removing and installing left or right wishbone



PARTS INFORMATION

For F55/F56

Part Number	Description	Quantity
31 12 6 879 841	Control arm with rubber bushing, left	1
31 12 6 879 842	Control arm with rubber bushing, right	1
31 10 6 862 545	ASA Screw, self-threading M10x40 10.9	4
31 10 6 765 451	Combination nut M10x22H ZNS3	2
31 10 6 863 105	ASA Bolt M10X55	2
	ASA Bolt	

31 10 6 868 038	M12x1.5x10010.9	2
-----------------	-----------------	---

For F54

Part Number	Description	Quantity
31 12 6 879 843	Control arm with rubber bushing, left	1
31 12 6 879 844	Control arm with rubber bushing, right	1
31 10 6 862 545	ASA Screw, self-threading M10x40 10.9	4
31 10 6 765 451	Combination nut M10x22H ZNS3	2
31 10 6 863 105	ASA Bolt M10X55	2
31 10 6 868 038	ASA Bolt M12x1.5x10010.9	2

 WARRANTY INFORMATION

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

Defect Code:	3112013900	
Labor Operation:	Labor Allowance:	Description:
31 12 021	Refer to KSD	Replacing both control arms (Main work)
Or:		
31 12 562	Refer to KSD	Replacing both control arms (Plus work)

If you are using a Main labor code for another repair, use the Plus code labor operation 31 12 562 instead.

And:

Checking Wheel Alignment

Labor Operation:	Labor Allowance:	Description:
32 00 595	Refer to KSD2	Wheel alignment check KDS with ride-height measurement, without load

And:

Adjusting if Necessary

Labor Operation:	Labor Allowance:	Description:
32 00 601	Refer to KSD2	Adjusting toe-in on front axle
Or:		
32 00 620	Refer to KSD2	Adjusting rear axle
Or:		
32 00 630	Refer to KSD2	Adjusting rear axle and front axle

[Copyright ©2016 BMW of North America, Inc.]