



SI M31 03 15
Front Axle

February 2016
Technical Service

This Service Information bulletin supersedes SI M31 03 15 **dated February 2016.**

SUBJECT

Cracking noise in the area of the front axle support / wishbone

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 2 785 111 | Wishbone bracket with rubber mount, left | 1 |
| 31 12 2 785 112 | Wishbone bracket with rubber mount, 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 |

For F54

| Part Number | Description | Quantity |
|--------------------|---|-----------------|
| 31 12 2 785 113 | Wishbone bracket with rubber mount, left | 1 |
| 31 12 2 785 114 | Wishbone bracket with rubber mount, 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 6 867 397 | Square nut M12x1.5-10ZNS | 2 |
| 31 10 6 868 038 | ASA Bolt M12x1.5x10010.9 | 2 |

NEW WARRANTY INFORMATION

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

| | | |
|-------------------------|-------------------------|-----------------------------|
| Defect Code: | 31 12 01 39 00 | |
| | | |
| Labor Operation: | Labor Allowance: | Description: |
| 31 12 021 | Refer to KSD2 | Replacing both control arms |

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.]