

NUMBER: 02-003-16

GROUP: Front Suspension

DATE: May 05, 2016

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SUBJECT:

Front End Knocking/Ticking Noise While Steering

OVERVIEW:

This bulletin involves installing additional rivets to the front stabilizer bar support brackets.

MODELS:

2015 (4C) Alfa Romeo

NOTE: This bulletin applies to vehicles within the following markets/countries:
NAFTA.

NOTE: This bulletin applies to vehicles built on or before September 28, 2015 (MDH 0928XX).

SYMPTOM/CONDITION:

The customer may describe a knocking/ticking type noise while steering.

The noise may be caused by movement between the stabilizer bar bracket to the front frame.

DIAGNOSIS:

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
4	68239954AA	Bolt, Hex Head Stabilizer Bar Bracket
8	68320749AA	Rivets
1 (AR)	NPN	3M® 08682 Single Step Primer = (30 mL)

REPAIR PROCEDURE:

1. Raise and support the vehicle. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 04 - Vehicle Quick Reference/Hoisting/Standard Procedure.
2. Remove the front aerodynamic guard ([Fig. 1](#)). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 13 - Frame and Bumpers/Under Body Protection/Belly Pan/Removal.

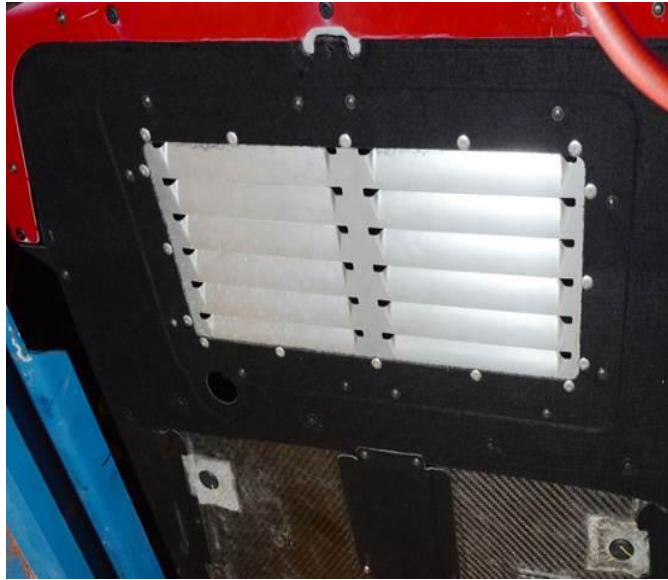


Fig. 1 Front Guard

3. Remove the cooling fan shroud ([Fig. 2](#)). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 07 - Cooling/Engine/Radiator, Engine Cooling/Removal>Radiator Cooling Fan Air Duct.



Fig. 2 Fan Air Duct

4. Remove and **discard** the front stabilizer bar bracket bolts to frame ([Fig. 3](#)). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 02 - Front Suspension/Front/Stabilizer Bar, Front/Removal.

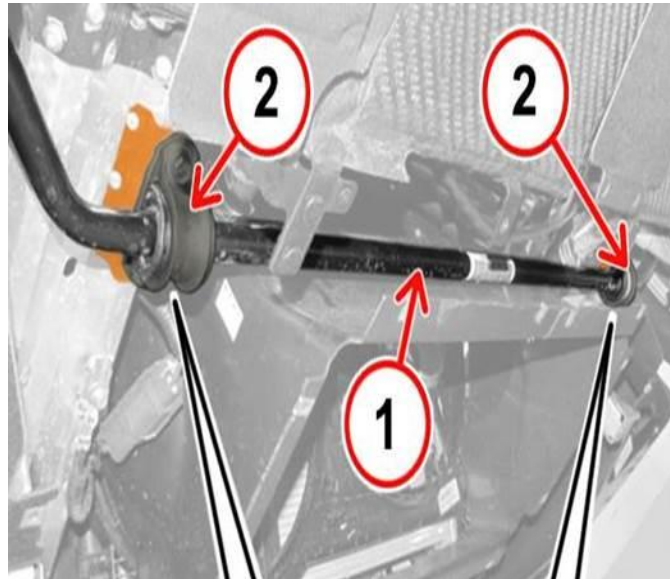


Fig. 3 Stabilizer Bar Bracket

- 1 - Stabilizer Bar
 - 2 - Stabilizer Bar Bracket
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5. Lower stabilizer bar to gain access to the bracket on the frame leaving the stabilizer links still connected to the bar ([Fig. 4](#)).



Fig. 4 Stabilizer Bar Lowered

6. Using a grease pencil, mark the position of the holes to be made to the bracket 17.5 mm (3/4 in) from center point inboard or outboard of existing rivets on each bracket ([Fig. 5](#)).



Fig. 5 Grease Pencil Marker

7. Drill a pilot hole using a 3 mm (1/8 in) drill bit ([Fig. 6](#)).

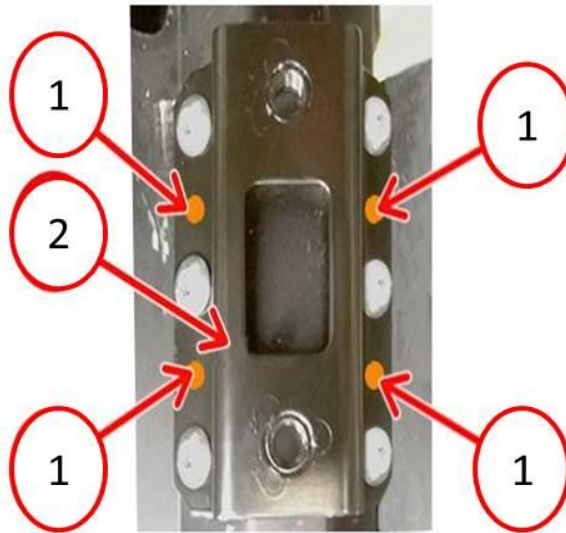


Fig. 6 Additional Rivets To Bracket

- 1 - Drill Pilot holes Here for New Rivet Locations
 - 2 - Stabilizer Bar Bracket to Frame
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8. Drill the 4 holes on each bracket using a 5 mm (3/16 in) drill bit ([Fig. 7](#)).

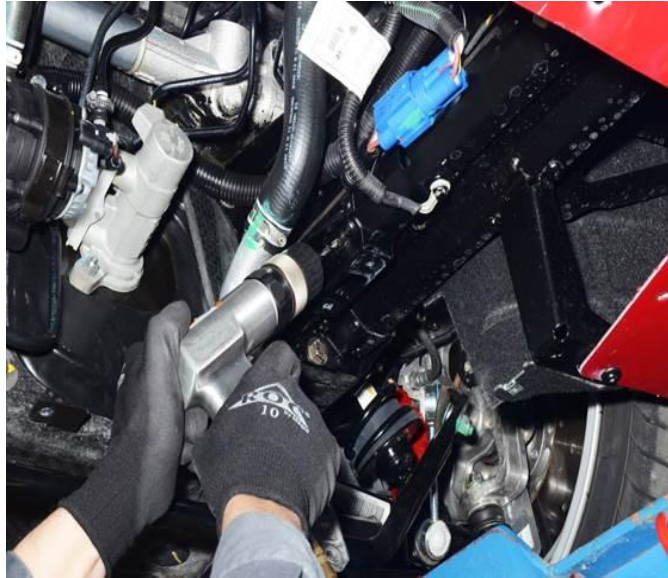


Fig. 7 Drill

9. Remove the burrs and remove all residue.
10. Clean the areas to be painted using a cloth with a low solvent content or equivalent.
11. Apply a corrosion-preventor primer (3M® single step primer) or equivalent ([Fig. 8](#)). Allow the primer to dry for approximately 10 minutes at a temperature of 60-70°C (140°-158°F).



Fig. 8 Primer Application

12. Install the rivets to the bracket and secure (Fig. 9) & (Fig. 10).



Fig. 9 Installing Rivets



Fig. 10 Installed Rivets

13. Apply a corrosion-preventor primer (3M® single step primer) or equivalent to the installed rivet heads (Fig. 11). Allow the primer to dry for approximately 10 minutes at a temperature of 60-70°C (140°-158°F).



Fig. 11 Primer on Rivet Heads

14. Raise the stabilizer bar back into position (Fig. 4).
15. Install **new** bolts for front stabilizer bar and bracket to the frame. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 02 - Front Suspension/Front/Stabilizer Bar, Front/Installation (Fig. 3).

NOTE: New bolts must be used on securing the stabilizer bar to the stabilizer bar bracket.

16. Install the cooling fan shroud (Fig. 2). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 07 - Cooling/Engine/Radiator, Engine Cooling/Installation>Radiator Cooling Fan Air Duct.
17. Install the front aerodynamic guard (Fig. 1). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 13 - Frame and Bumpers/Under Body Protection/Belly Pan/Installation..
18. Remove the support and lower the vehicle. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 04 - Vehicle Quick Reference/Hoisting/Standard Procedure.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
02-20-01-92	Rivets, Structural - Install to Front Sway Bar Frame Brackets (1 - Semi-Skilled)	4 - Chassis Systems	1.5 Hrs.

FAILURE CODE:

ZZ	Service Action
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PART REIMBURSEMENT DETAIL:

Part No:	Description
NPN	3M® 08682 Single Step Primer

NOTE: This part number is for reimbursement only and will need to be claimed for the value of 3M® 08682 or it will be rejected. If this is a non-MOPAR part or product, a copy of the invoice showing the purchase of the non-MOPAR part or product needs to be attached to the reimbursement claim.