



NUMBER: 02-003-17

GROUP: Front Suspension

DATE: March 10, 2017

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

SUBJECT:

Chattering Noise While Steering

OVERVIEW:

This bulletin involves discussing a chattering that might be heard from the Alfa Romeo Giulia front suspension.

MODELS:

2017 (GA) Alfa Romeo Giulia

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

DISCUSSION:

The Alfa Romeo Giulia is characterized by unique suspension characteristics featuring patented AlfaTM Link technologies, developed in order to deliver the best dynamic performance in any driving condition.

In particular, the front double-wishbone with semi-virtual steering axle scheme allows an “Ackermann” angle change with the variation of the steering angle. Ackerman angle is described by the different steering angle between the left/right front wheels.

This feature, which is normally reserved for premium sport cars, has been the object of specific tuning by Alfa Romeo engineers to ensure the lowest vehicle understeer in any driving condition and to achieve a breakthrough in Giulia driving dynamic best in class steering feeling, enhanced safety and driving pleasure.

At the maximum steering wheel angle, the specific tuning above mentioned makes the front suspension deliver a lower steering angle from the right to left front wheels, generating a perceivable dragging phenomenon on the inner wheel, which can be perceived as a “chattering” accompanied by some noise which is influenced by one or more the following conditions:

- Driving surfaces and air temperature.
- Tires pressures.
- Tire specification, size and brand.
- Steering angle and speed of the vehicle.

Such behavior may be noticed in the different conditions is only correlated to the above mentioned parameters, and is no indication there is an issue with the vehicle.

This behavior is inherent to very specific Alfa Romeo engineering development, which is the maximization of the vehicle safety, and does not affect in any way the vehicles safety, tires, or indicate a mechanical part failure.

POLICY:

Information Only.