



Bolt Contacting Front Suspension Fore Link

Classification	Repair Bulletin	Section/Group	31 - Suspension	Country/Region	All
Year	2012-2015	Model	Model S	Version	All

Bulletin Classification: This repair bulletin provides instructions and guidelines for a noted condition or a customer concern. The information provided can address a broad range of known or perceived issues with the operation of Tesla vehicles. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla Motors assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.

Condition

The lower shock absorber bolts can contact the front suspension fore links at the limits of suspension travel, causing a knocking sound when driving over bumps with the steering wheel near full rotation.

Correction

Upon customer complaint, install shorter bolts. Inspect the fore links for scuffs or indentations created by the bolts and replace them, if necessary.

Required Part(s):	Part Number	Description	Quantity
	One of the following:		
	1008614-00-C	BOLT HF M14x94 PC109 (for RWD vehicles)	2
	1056323-00-A	BOLT M14 X 102 (for Dual Motor vehicles)	2
	If necessary:		
	6007998-00-C	FRONT FORE LINK SUSPENSION ASSEMBLY - LEFT	1
	1041570-00-A	FRONT FORE LINK SUSPENSION ASSEMBLY - LEFT - DUAL MOTOR	1
	6006664-00-C	FRONT FORE LINK SUSPENSION ASSEMBLY - RIGHT	1
	1041575-00-A	FRONT FORE LINK SUSPENSION ASSEMBLY - RIGHT - DUAL MOTOR	1
	1004358-00-C	NUT HFPT M14x1.50 [10] ZnAl-W	1-2

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

Correction Description	Correction	Time
SB-15-31-004 Not Applicable	S011531004	0.00
Vehicle Inspection Only; Lower Shock Absorber Bolt Replacement Not Required	S021531004	0.05
Replace LH and RH Lower Shock Absorber Bolts	S031531004	0.15
Replace LH and RH Lower Shock Absorber Bolts; Replace LH Fore Link	S041531004	0.70
Replace LH and RH Lower Shock Absorber Bolts; Replace RH Fore Link	S051531004	0.70
Replace LH and RH Lower Shock Absorber Bolts; Replace LH and RH Fore Links	S061531004	1.00

Procedure

1. Raise the vehicle (refer to Service Manual procedure 10000205).
2. Check for marks on the rear-facing side of the LH and RH suspension fore links (Figures 1 and 2):
 - If there are no visible marks on the LH and RH fore links, discontinue this procedure.
 - If there are marks on either fore link, continue to the next step.



Figure 1 (LH fore link)



Figure 2 (RH fore link)

3. Check the locations and depth of the mark(s) on the LH and RH fore link(s).
 - If there is evidence of contact outside of the circular protruding boss (Figure 3) and the surface is indented, replace the fore link (refer to Service Manual procedure 31013402), then continue to the next step.
 - If there is an indentation that does not extend outside of the boss, compare the depth of the indentation to the height of the boss. If the indentation is deeper than the height of the boss, replace the fore link (refer to Service Manual procedure 31013402), then continue to the next step.
 - If the mark does not extend beyond the boss, and there is no indentation (Figure 4) or if the indentation does not exceed the height of the boss, continue to the next step.

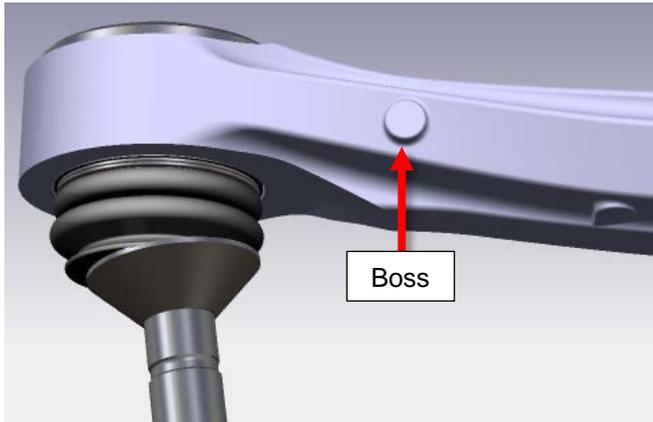


Figure 3



Figure 4

4. Replace both the LH and RH lower shock absorber bolts with the updated parts (torque 140 Nm).

⚠ CAUTION: Only fully tighten suspension nuts and bolts when the vehicle is on a 4-post lift and the suspension is in the ride height position.

Affected VIN(s) Affected Model S vehicles built before approximately March 17, 2015.

NOTE: This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

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