 Tesla, Inc. Service Bulletin		<h2 style="margin: 0;">Inspect Front Spring and Damper Assembly Insulators</h2>	
SB-20-31-003 June 25, 2020			
Classification		Section/Group	Mobile Service
Campaign Bulletin		31 - Suspension	Cannot Perform
Model Year	Model	Country/Region	Version
2020	Model 3	China	All
<small>The model(s) and model year(s) listed are a general approximation 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.</small>			

Campaign Bulletin: This campaign bulletin addresses a known non-safety-related condition and provides recommended technical diagnosis and repair procedures. Apply this procedure to all vehicles in the affected VIN list.

Condition

Certain Model 3 vehicles produced at Giga Shanghai might have front spring and damper assemblies with insulators that are offset and protrude from the spring perch. With continued use, these insulators might cause front suspension NVH issues.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, replace that front spring and damper assembly.

Correction Description	Correction	Time
SB-20-31-003 Not Applicable	S012031003	0.00
Inspect Front Spring And Damper Assemblies For Protruding Insulators; No Replacement Necessary	S022031003	0.05
Inspect And Replace LH Front Spring And Damper Assembly	S032031003	0.55
Inspect And Replace RH Front Spring And Damper Assembly	S042031003	0.55
Inspect And Replace Both Front Spring And Damper Assemblies	S052031003	0.85

Part Number	Description	Quantity
Parts Required (If Necessary) 1044363-04-B	DAMPER ASSY, FRONT-LEFT, COIL PDM E3	0-1
1044368-04-B	DAMPER ASSY, FRONT-RIGHT, COIL PDM E3	0-1
1111543-00-A	NUT, HF, M12-1.75, [10], ZNNI, PTP	1-2
1109263-00-B	NUT&WSHR[SW], M14x1.5, [10], ZNFL, PTP	1-2
1111145-00-A	NUT, HF, M10-1.5, [10], ZNNI, PTP	1-2
1114797-00-A	BOLT, HF, M6-1x16, [58], ZNFL, SMAT	1-2

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the [Parts Catalog](#).

Special Tools	1115232-00-B	8 Piece Brake Pad Depth Gauge
	1467109-00-A	Strut Removal Socket, M3, 13mm

Shop Supplies Paint pen

Procedure

1. Raise the vehicle on a 2-post lift (refer to Service Manual procedure [10000205](#)).

2. Use the brake pad depth gauge to inspect the protrusion of the rubber insulator at the spring perch of both the LH and RH front spring and damper assemblies (Figure 1):

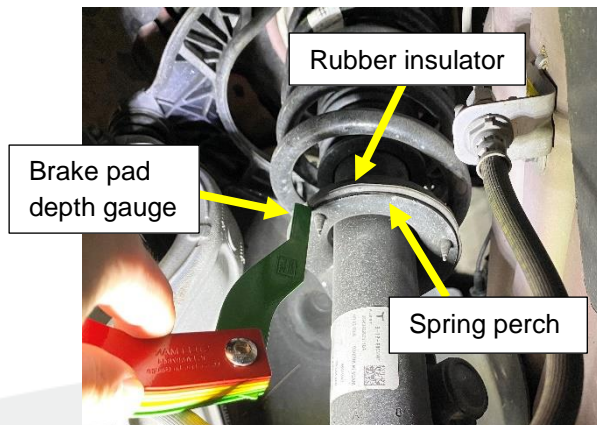


Figure 1

- **✓** If the insulator is uniformly spaced on the spring perch and at no point protrudes more than 10 mm from the perch (Figures 2 and 3), that spring and damper assembly is within specification and does not need to be replaced. If both spring and damper assemblies are within specification, lower the vehicle and discontinue this procedure.



Figure 2 – Assembly removed from vehicle for clarity



Figure 3 – Assembly removed from vehicle for clarity

- **✗** If the insulator is unevenly spaced on the spring perch and protrudes more than 10 mm from the perch (Figures 4 and 5), that spring and damper assembly is outside of specification and must be replaced (refer to Service Manual procedure [31151002](#)).



Figure 4 – Assembly removed from vehicle for clarity



Figure 5 – Assembly removed from vehicle for clarity