 <b>Tesla, Inc.</b> <b>Service Bulletin</b>		<h2 style="margin: 0;">Inspect Front Lower Lateral Links</h2>	
<b>SB-21-31-003</b> October 26, 2021			
<b>Classification</b>		<b>Section/Group</b>	<b>Mobile Service</b>
Recall Bulletin		31 - Suspension	Cannot Perform
<b>Model Year</b>	<b>Model</b>	<b>Country/Region</b>	<b>Version</b>
2019–2021	Model 3, Model Y	All	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>			

Recall Bulletin: Recall Bulletins are mandatory service procedures that must be carried out by Tesla-certified Service Centers. Recall work performed by uncertified technicians could lead to unsafe conditions or voided warranty provisions.

## Condition

On certain Model 3 and Model Y vehicles, the bolts that secure the front lower lateral links to the subframe may not have been torqued to internal specification.

## Correction

Inspect and confirm that all bolts that secure the front lower lateral links to the subframe are torqued to internal specification. If symptoms relating to the condition are present, re-torque the bolts to internal specification. If necessary, replace the front subframe and/or the front lateral links.

Correction Description	Correction	Time (Model 3)	Time (Model Y)
Inspect Vehicle; Front Lower Lateral Link Bolts Properly Torqued	S012131003	0.15	0.20
Inspect Vehicle; Replace LH Front Lower Lateral Link	S022131003	0.60	0.65
Inspect Vehicle; Replace RH Front Lower Lateral Link	S032131003	0.60	0.65
Inspect Vehicle; Replace LH and RH Front Lower Lateral Links	S042131003	0.70	0.75
Inspect Vehicle; Replace Front Subframe (RWD)	S052131003	2.05	1.85
Inspect Vehicle; Replace LH Front Lower Lateral Link And Front Subframe (RWD)	S062131003	2.10	1.90
Inspect Vehicle; Replace RH Front Lower Lateral Link And Front Subframe (RWD)	S072131003	2.10	1.90
Inspect Vehicle; Replace LH and RH Front Lower Lateral Links And Front Subframe (RWD)	S082131003	2.15	1.95
Inspect Vehicle; Replace Front Subframe (Dual Motor)	S092131003	2.95	3.50
Inspect Vehicle; Replace LH Front Lower Lateral Link And Front Subframe (Dual Motor)	S102131003	3.00	3.55
Inspect Vehicle; Replace RH Front Lower Lateral Link And Front Subframe (Dual Motor)	S112131003	3.00	3.55
Inspect Vehicle; Replace LH and RH Front Lower Lateral Links And Front Subframe (Dual Motor)	S122131003	3.05	3.60

Part Number	Description	Quantity
<b>Parts Required</b> –	–	–
<b>If Necessary</b>	<b>Model 3 and Model Y</b>	
1109263-00-B	NUT&WSHR[SW],M14x1.5,[10],ZNFL,PTP	2
1111145-00-A	NUT,HF,M10-1.5,[10],ZNNI,PTP	4
1456640-00-A	DBL,HF,M14x120+M10x16,CMAT,[109],ZNFL	2
1461654-00-A	BOLT,HF,M10-1.5x94,[109],ZNFL,CMAT	2
1461643-00-A	BOLT,HF,M12-1.75x99,[109],ZNFL,CMAT	2
1111543-00-A	NUT,HF,M12-1.75,[10],ZNNI,PTP	2
1109912-00-A	BOLT,HF,M14-2.0x65,STL[109],ZNFL	1-4
	<b>Dual Motor Vehicles</b>	
1115558-00-A	NUT&WSHR[SW],M24, STL[8],ZNFL,SERR	2
	<b>Model 3 Only</b>	
1044341-00-D	FR LWR LATERAL LINK ASSY	1-2
1044521-00-N	FR SUBFRAME STRUCTURE	1
1111151-00-A	BOLT,HF,M10-1.5x30,[109],ZNFL,SMAT	2
	<b>Model Y Only</b>	
1188341-00-C	FRONT LOWER LATERAL LINK ASSEMBLY	1-2
1044531-00-B	FR SUBF ASSY MDL3/Y	1
1461652-00-A	BOLT,HF,M10-1.5x36,[109],ZNFL,CMAT	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

	<b>All Vehicles</b>
1066521-00-A	Powertrain Table
1071271-00-A	Chassis Height Measurement Tool
1090880-00-A	Steering Wheel Holder
1049463-00-A	Steering Wheel Level
1099645-00-C	Subframe Fixture
1115118-00-B	Socket Internal Torx Plus 3/8in Dr. T40
1090881-00-A	Brake Pedal Depressor
	<b>Dual Motor Vehicles</b>
1059330-00-B	Socket External Torx 1/4in Dr. E10 5-Lobe
1096075-00-A	Hydraulic Hub Puller
1133187-00-A	Socket External Torx 1/2in Dr. E18
1050448-00-B	Vacuum Refill Tool
1083188-00-B	Multimeter
1130480-02-A	Slim Test Probes
1135762-00-A	Coolant Hose Plug Kit
1498673-00-A	Cable Axle Removal Kit
1081547-00-A	Slide Hammer
1130279-00-A	Drive Unit Sling
1140311-00-A	HV Connector Lever Lock
1065131-00-A	Battery Coolant Drain Kit
1479505-00-A	M3/Y Vacuum Fill Adapter

**Shop Supplies** THREADLOCKER, LOCTITE 222, PURPLE

## Procedure

1. Remove the front aero shield panel (refer to Service Manual procedure 12030102; [Model 3](#), [Model Y](#)).
2. Check for missing bolts where the LH and RH front lower lateral links attach to the front subframe (Figure 1).




**Figure 1 – LH shown; RH similar**

- If all bolts are installed (4 total), skip to step 5.
  - If any bolts are missing, go to step 3.
3. Where a front lower lateral link is missing a bolt, check the lateral link(s) for damage that might cause the part to fail, such as cracks or bending at the subframe flanges (Figure 2).



**Figure 2 – LH shown ; RH similar**

- If damage is observed, remove the lateral link from the vehicle and hand-tighten a new lateral link to the front knuckle and front strut (refer to Service Manual procedure 31013402; [Model 3](#), [Model Y](#)). Skip to step 4.
  - If damage is not observed, go to step 4.
4. Where any front lower lateral link to front subframe bolts (Figure 1) are missing, hand-tighten a new bolt.
    - If able to hand-tighten the bolt(s), go to step 5.
    - If unable to hand-tighten the bolt(s), skip to step 6.

5. Perform a torque check on the bolts that attach the LH and RH front lower lateral links (4 bolts total) to the front subframe (115 Nm) (Figure 1).
  - If all lateral link bolts (4 bolts total) can be torqued to specification, skip to step 7.
  -  **CAUTION:** If new lateral link(s) were installed on the vehicle, fully torque the lateral link to the front knuckle and front strut before going to step 7 (refer to Service Manual procedure 31013402; [Model 3](#), [Model Y](#)).
  - If any bolt cannot be torqued to specification, go to step 6.
6. Replace the front subframe.
  - RWD Front Subframe (refer to Service Manual procedure 30010302; [Model 3](#), [Model Y](#)).
  - Dual Motor Front Subframe (refer to Service Manual procedure 30010312; [Model 3](#), [Model Y](#)).
7. Install all parts that were removed for access.