

		Tesla, Inc. Service Bulletin		<i>Replace Trailing Arm Fasteners</i>	
SB-23-31-003 October 6, 2023					
Classification		Section/Group	Mobile Service	Configuration	
Campaign Bulletin		31 - Suspension	Cannot Perform	All	
Model Year	Model	Country/Region	Build Location		
2022 - 2023	Semi	North America	Giga Nevada		
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.					

Campaign Bulletin: This campaign bulletin addresses a non-safety-related condition and provides recommended technical diagnosis and repair procedures. Apply this procedure to the applicable vehicles.

Condition

On certain Semi, the LH and RH trailing arm fasteners on the Torque Drive Axle (TDA) and Efficiency Drive Axle (EDA) may have loosened over time.

Correction

Replace the LH and RH trailing arm fasteners on the TDA and EDA and torque to specification.

Correction Description	Correction	Time
Replace And Torque LH And RH Trailing Arm Fasteners, Torque Drive Axle And Efficiency Drive Axle	S012331003	3.0

Part Number	Description	Quantity
Parts Required		
TDA:		
1704076-00-A	BOLT, HX, M20-2.5x280, [109], G0410	8
1683851-99-A	NUT, HF, M20x2.5, [10], G0210	7
1683851-00-A	NUT, HF, M20x2.5, [10], G0410	1
1683846-00-A	NUT, HX, M18-2.5, [10], G0410	2
1683847-00-A	WASHER, M18X34X3, [STL], G1009	2
1683852-99-A	WASHER, M20X37X3, [109], G1009	8
EDA:		
1704076-00-A	BOLT, HX, M20-2.5x280, [109], G0410	8
1478378-00-A	NUT, HF, M12-1.75, [10], ZNNI, BLACK	2
1683851-99-A	NUT, HF, M20x2.5, [10], G0210	6
1683851-00-A	NUT, HF, M20x2.5, [10], G0410	2
1683852-99-A	WASHER, M20X37X3, [109], G1009	8

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	1705353-00-A	3/4" DRIVE BREAKER BAR, 36" LENGTH
	1706570-00-A	GINORMOUS TANDEM DOLLY (8,000 LBS. CAPACITY)
	1780986-00-A	JACK STAND, 22-TON (PAIR)
	1699889-00-A	MOBILE COLUMN LIFT, SET OF 4 (14,000 LBS. CAPACITY PER COLUMN)
	1705992-00-A	SKT, IMPACT, 3/4" DR, SHALLOW, 30MM
	1705995-00-A	SKT, IMPACT, 3/4" DR, SHALLOW, 33MM
	1080589-00-A	TIRE CHOCK (SET OF 2)

Procedure

1. Replace the LH and RH TDA trailing arm fasteners (refer to Service Manual [procedure](#)).



NOTE: It is not necessary to adjust the Semi suspension height after the LH and RH TDA trailing arm fasteners are replaced. Make sure the Semi remains in “Jack Mode” and continue to the next step.

2. Replace the LH and RH EDA trailing arm fasteners (refer to Service Manual [procedure](#)).