



Inspect Front Halfshafts

Classification	Campaign Bulletin	Section/Group	39 - Front Drive Unit	Country/Region	All
Year	2016	Model	Model X	Version	All

Bulletin Classification: *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 range listed. 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

Some Model X vehicles might have been built with incorrect front halfshafts. If full lock steering is applied while the suspension is fully extended, an incorrect halfshaft could overextend, damaging the dust boot or the constant velocity joint. This might lead to a knocking or grinding noise and/or a warning message on the instrument cluster.

Correction

Check the part numbers of the LH and RH front halfshafts. Replace the halfshaft(s), if necessary.

Correction Description	Correction	Time
SB-16-39-001 Not Applicable	S011639001	0.00
Vehicle Inspection Only; Halfshaft Replacement Not Required	S021639001	0.15
Replace LH Front Halfshaft	S031639001	2.90
Replace RH Front Halfshaft	S041639001	2.65
Replace LH and RH Front Halfshafts	S051639001	3.50

Required Part(s):	Part Number	Description	Quantity
	If necessary:		
	1027111-00-B	HALFSHAFT, FR LH, MODEL X	1
	1027115-00-B	HALFSHAFT, FR RH, MODEL X	1

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

Procedure

1. Remove the front aero shield (refer to Service Manual procedure 12030102).
2. Check the part number on the label that is attached to the inboard joint of each front halfshaft.

TIP: If the label is not visible, rotate the wheel to move the halfshaft.

Position	Correct Halfshaft	Incorrect Halfshaft
LH	1027111-00-A	1030611-00-A
RH	1027115-00-A	1030615-00-A

- If both halfshafts are correct, reinstall the front aero shield and discontinue this procedure.
- If either halfshaft is incorrect, replace the affected halfshaft(s) (refer to Service Manual procedure 39302002 and/or 39302102).

Affected VIN(s) Affected Model X vehicles built before approximately June 17, 2016.

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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