



Upgrade Right Side Front Motor Mount

Classification	Campaign Bulletin	Section/Group	39 - Front Drive Unit	Country/Region	All
Year	2014-2015	Model	Model S	Version	Dual Motor

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.*

This Service Bulletin supersedes SB-15-39-001 R1, dated 23-Mar-15. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

Some dual motor vehicles were built with a motor mount that is susceptible to noise, vibration, and harshness (NVH) issues, particularly a knocking or thumping noise that seems to come from the front of the vehicle.

Correction

Replace the front RH motor mount with the upgraded part. Inspect the LH motor mount and replace it if necessary.

Required Part(s):	Part Number	Description	Quantity
	1052783-00-B	TRQ RCTN ARM ASSY,FRGD,SDU-F	1
	1050057-00-B	BOLT HF M10x90 PC109	4
	To replace LH mount (if necessary):		
	1055366-00-A	CLVS ASSY,DBL ISO,LHS MTR MNT,SDU-F	1
	1055368-00-A	MNT ASSY,DBL ISO,LHS MTR MNT,SDU-F	1
	1004350-00-A	BLT BTNHD M10x1.50x57 [10.9] ZnAl-W	2
	1055663-00-A	NUT PLATE ASSY,LHS MTR MNT,SDU-F	1
	1008724-00-B	BOLT,M8-1.25x50,DIN6921,10.9,MTPT,ZF,PAT	3
	2007069	BOLT HF M10x1.50x30 [10.9]-U-MP-G720	2
	1055365-00-B	WSHR FL M10x24x3 [10]-G720	2

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

Special Tool(s):	Part Number	Description
	1054160-00-A	Support Jack, Front DU
	1056542-01-A	Special 15 mm Ratchet Wrench
	1056566-00-A	Locating Shim Set, Front Motor

Correction Description	Correction	Time
Upgrade Front RH Motor Mount; LH Mount Adjustment Not Necessary	S011539001	2.30
Upgrade Front RH Motor Mount, Adjust LH Mount	S021539001	2.65
Upgrade Front LH and RH Motor Mounts	S031539001	2.80
Upgrade Front LH and RH Motor Mounts, Adjust LH Mount	S041539001	3.10

Procedure

1. Position the vehicle on a lift, but do not raise it at this time.
2. Remove the underhood storage unit (refer to Service Manual procedure 15242002).

3. Inspect the LH motor mount:

- If the LH mount consists of 2 pieces bolted together (Figure 1), replace the RH motor mount (refer to Service Manual procedure 39012402).

NOTE: Follow all steps in the procedure; adjusting the LH mount is a step in replacing the RH mount.

- If the LH mount consists of a single, cast piece (Figure 2), replace both the RH and LH motor mounts (refer to Service Manual procedures 39012402 and 39012602).

NOTE: Replace the bolts that secure the mount to the body and add washers.

NOTE: These 2 procedures have many overlapping steps. Review both procedures carefully before beginning.



Figure 1



Figure 2

CAUTION: Ensure that both sides of the motor are supported at all times, either by the mount or by the support gantry.

CAUTION: During removal of the mount, discard all 4 bolts that secure the front drive unit and replace them with the upgraded parts. Before installing the new mount, loosely install the bolts on the bottom of the mount so that they are retained in the threads during installation.

CAUTION: If replacing the LH mount, replace the 3 bolts that secure it to the body.

4. Perform a road test to ensure that there is no knocking or thumping noise.

Affected VIN(s)

5YJSA1H21EFP54650
5YJSA1H27EFP54653
5YJSA7H20EFP54657
5YJSA1H28EFP54659
5YJSA1H24EFP54660
5YJSA1H26EFP54661
5YJSA1H28EFP54662
5YJSA1H2XEFP54663
5YJSA1H29EFP54685

5YJSA1H24EFP54710
5YJSA1H2XEFP54713
5YJSA1H29EFP54718
5YJSA1H21EFP54731
5YJSA6H25EFP54762
5YJSA1H29EFP55044
5YJSA1H22EFP55046
5YJSA1H24EFP55047
5YJSA1H25EFP55056

5YJSA1H20EFP55076
5YJSA1H22EFP55077
5YJSA1H23EFP55086
5YJSA1H25EFP55087
5YJSA1H29EFP55108
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5YJSA1H20EFP62125
5YJSA1H22EFP62126
5YJSA1H23EFP62202
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5YJSA1H25EFP62234
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5YJSA1H25EFR54754
5YJSA1H27EFR54755
5YJSA1H20EFR54757
5YJSA1H22EFR54758
5YJSA1H24EFR54759
5YJSA6S23EFR54760
5YJSA6H26EFR54761
5YJSA6H2XEFR54763
5YJSA6H21EFR54764
5YJSA6H25EFR54766
5YJSA6H29EFR54768
5YJSA6H20EFR54769
5YJSA1H27EFR56201
5YJSA1H24EFR57046
5YJSA1H28EFR57048

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