



## Replace Rear Drive Unit

<b>Classification</b>	Campaign Bulletin	<b>Section/Group</b>	40 - Rear Drive Unit	<b>Country/Region</b>	All
<b>Year</b>	2013-2014	<b>Model</b>	Model S	<b>Version</b>	Performance

**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 electricity 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-14-40-001, dated 24-Nov-14. 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 rear drive units were produced with inadequate grease, which could lead to a “clunk” sound during accelerator pedal transitions or a “hum” noise during high speed driving. Over time, this could lead to premature wear out of the drive unit evidenced by slower than normal acceleration or lack of acceleration at drive initiation.

### Correction

Remove and replace the rear drive unit.

Required Part(s):	Part Number	Description	Quantity
	1011749-00-B	LUBRICANT, DEXRON VI, SYN, 212B	1400 ml
	1012820-00-A	COOLANT, ETHYLENE GLYCOL, 50/50 MIX - 1 GALLON	As required
	<b>One of the following:</b>		
	1002633-01-H	ASY, P-TRAIN, SPORT, MECH, COMPLETE	1
	1025598-00-H	DRIVE UNIT-SPORT WITH SHIMS-REMANUFACTURED	1

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

Correction Description	Correction	Time
Vehicle History Inspection Only; Drive Unit Was Previously Replaced	S011440001	0.10
Replace Drive Unit Due To Inadequate Grease	S021440001	3.55

**NOTE:** This correction code includes time for four wheel alignment.

### Procedure

1. Review the vehicle's repair history. If the original drive unit was previously replaced, discontinue this procedure. If the drive unit has not been replaced, continue to step 2.

2. Replace the drive unit (refer to Service Manual procedure 40010702).

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**Affected VIN(s)** Some Model S vehicles built between approximately November 1, 2013 and March 8, 2014.

**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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