



# Replace High Voltage (HV) Battery

<b>Classification</b>	Campaign Bulletin	<b>Section/Group</b>	16 - Battery System	<b>Country/Region</b>	United States, Canada
<b>Year</b>	2018	<b>Model</b>	Model 3	<b>Version</b>	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 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-19-16-004, dated 16-Jan-19. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.*

## Condition

The clamshell graft inside the HV battery was not fastened to Tesla's internal specifications. This condition might result in a reduction of vehicle driving range.

## Correction

Replace the HV battery.

Correction Description	Correction	Time
SB-19-16-004 Not Applicable	S011916004	0.0
Replace HV Battery Due To Improper Fastening Of Clamshell Graft	S021916004	4.4

Required Part(s):	Part Number	Description	Quantity
		<b>Long Range Vehicle:</b>	
	1104422-00-M	ASY,HVBAT,E3,AWD,1PH,M3	1
		<b>Mid-Range Vehicle:</b>	
	1104432-00-M	ASY,HVBAT,E2,RWD,1PH,M3	1
	1111033-00-D	M3 2R BOLSTER CLIP	2
	1093060-00-A	NUT&WSHR,M8,STL[9],DOUBLE SEMS	2
	1447684-00-A	BOLT,HF,M14-2.0x120,[109],ZNFL,SMAT	2
	<b>Shop supplies:</b>		
	Shop towels		
	HV insulating gloves and leather outer gloves		
	Isopropyl alcohol (IPA) wipes		
	These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.		
<b>Special Tool(s):</b>	1020566-00-F	ASY, Battery Table, Manual Lift	
	1020566-99-A	Top Plate, Battery Table, Manual Lift	
	1129166-00-A	Hoist, H-Frame	
	1134523-00-A	Kit, Alignment Rods, Battery	
	1140311-00-A	Lever Lock, HV Connector	
	1053600-00-B	Drive Unit Pressure Test Fixture	
	1130942-00-B	Adapter, Coolant Reservoir Pressure Test	
	1132185-00-B	Kit, Coolant Leak Test Adapters	
	1133843-00-A	Kit, Coolant Drain & Fill Adapters	
	1135762-00-A	Kit, Svc Plug, Cooling Hose	
	GSN-TL-000564	Kit, Battery Coolant Drain and Fill	
	1026636-00-A	Pack Enclosure Leak Tester, HV Battery	
	1140501-00-A	Pack Kit, Enclosure, Leak Test, HV Battery, Complete	
	1144879-00-A	Kit, Encl Leak Test Adapters, HV Battery	
	1108272-00-B	Cap, Logic Conn, Inv, 3DU	
	1076921-00-B	Insulation Multimeter, Fluke 1507	
	1059330-00-B	Skt, 1/4in Dr, 5-Lobe Torx External	
	1133569-00-A	Pliers, Clip Removal	
	1050448-00-A	Refiller, Cooling System	
	1073363-00-A	Gantry, Adjustable, Aluminum	

## Procedure

Replace the HV battery (refer to Service Manual procedure 16010102).

<b>Affected VIN(s)</b>	Affected Model 3 vehicles built between approximately December 14, 2018 and December 17, 2018.
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**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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