



Replace Rear Drive Unit Inverter

Classification	Campaign Bulletin	Section/Group	40 - Rear Drive Unit	Country/Region	North America
Year	2017	Model	Model 3	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 assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.

Condition

On certain Model 3 vehicles, the rear drive unit inverter might lose power, causing the vehicle to go into limp mode.

Correction

Replace the inverter with an updated component.

Correction Description	Correction	Time
SB-18-40-005 Not Applicable	S011840005	0.0
Replace Rear Drive Unit Inverter With Updated Component	S021840005	4.1

Required Part(s):	Part Number	Description	Quantity
	1079924-25-E	ASY, DRIVE INV, 3DU, 810A, SIC, REAR, MICA	1
	1096984-00-B	ASY, COVER, PHASE OUT, 3DU	1
	1096344-00-B	LABEL, COVER, ACCESS, LUG, PHASE, 3DU	1
	1112246-00-A	BOLT&WSHR[DBL],HX,M6x22,[98],ZNNI,CON	3
	1015888-00-C	BLT,BTN,TRX,M5x16[10.9]-BK-X-SP-05 (13 IN PKG)	1 package

Shop supplies:

ATF-9 FLUID

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):	1059330-00-B	Skt, 1/4" Dr, 5-Lobe Torx External
	1063646-00-A	Powertrain Lift
	1065131-00-A	Battery Coolant Drain And Fill Cart
	1081765-00-A	3/4 Ton Underhoist Stand
	1099645-00-A	Subframe Jig, Mdl3
	1126496-00-B	Torque Wrench 3/8 Dr. Torque + Angle
	1129348-00-A	Jump Start, XP-10
	1130479-00-A	Torx Plus EP 10 Socket
	1132185-00-B	Kit, Coolant Leak Test Adapters, Model 3
	1133187-00-A	E18 Socket
	1133843-00-B	M3 Coolant Drain And Fill Adapter Kit
	1134520-00-A	Electronic Parking Brake Release Tool
	1135103-00-A	Tool, Spring Compressor, Hook, Model 3
	1137658-00-A	Cable HSD To Ethernet
	1137855-00-A	Tool, Rear Ride Height Torque, Model 3
	1144879-00-A	Kit, Encl Leak Test Adapters, HV Battery
	1450875-00-A	Inverter Leak Test Kit
	1450875-00-A	Kit, Inverter Leak Test Adapter, M3

Wheel alignment:

1049463-00-A	Steering Wheel Level
1071271-00-A	Chassis Height Measuring Tool
1096767-00-A	Seat Cover
1145158-00-A	Ballast Bag 25lb.

Procedure

1. Replace the rear drive unit inverter (refer to Service Manual procedure 40200602).

Affected VIN(s) Affected Model 3 vehicles built between approximately June 2, 2017 and September 3, 2017.

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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