



Tesla, Inc.
Service Bulletin

Replace Rear Drive Unit Inverter, Model Y

SB-20-40-003

September 8, 2020

Classification		Section/Group	Mobile Service
Model Year	Model	Country/Region	Version
Campaign Bulletin		40 - Rear Drive Unit	Cannot Perform
2020	Model Y	United States	All

The model(s) and model year(s) listed are a general approximation 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.

Campaign Bulletin: 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 list.

Condition

The rear drive unit contains an inverter that did not go through internal reliability testing.

Correction

Replace the rear drive unit inverter.

Correction Description	Correction	Time
SB-20-40-003 Not Applicable	S012040003	0.00
Replace Rear Drive Unit Inverter	S022040003	3.75

	Part Number	Description	Quantity
Parts Required	1117669-00-A	BOLT,5LOBE,M6x19,[109],ZNNI,MAT,PTP,SEAL	2
	1079924-15-H	ASY, DRIVE INV, 3DU, 810A, SIC, REAR	1
	1100020-00-A	BOLT,TRX,FLG,M6-1.0X23[8.8]-MP	12
	1112246-00-A	BOLT&WSHR[DBL],HX,M6x22,[98],ZNNI,CON	3
	1096984-00-C	ASY, COVER, PHASE OUT, 3DU	1
	1111864-00-B	BOLT, TE, M10x1.5x75.2,STL[109],ZNNI+WAX	1
	1096344-00-C	LABEL,COVER,ACCESS,LUG,PHASE, 3DU	1
	1461657-00-A	BOLT,HF,M14-2.0x120,[109],ZNFL,CMAT	6
	1111154-00-B	BOLT,HF,M10-1.5x23,[109],ZNFL,SMAT	4
	1111542-00-A	NUT,HF,M10x1.25,[10],ZNNI,PTP	2
	1088969-00-B	BOLT,TE,M12-1.75x45,[109],G0110[B],SMAT	2
	1088968-00-B	BOLT,TE,M12x45,STL[109],ZNFL[BLCK]	4
	If Necessary	1087881-00-A	GAP PAD, ACTIVE DISCHARGE, 3DU INV

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the [Parts Catalog](#).

Special Tools	1130479-00-A	Skt, 3/8in Dr, 10EP Torx Plus External
	1140311-00-A	Lever Lock, HV Connector, Model 3
	1450875-00-A	Kit, Inverter Leak Test Adapter, M3
	1026636-00-A	Pack Enclosure Leak Tester, HV Battery
	1099645-00-B	Fixture, Subframe, Model 3
	1076921-00-B	Insulation Multimeter, Fluke 1507
	1130480-00-A	Test Probes, Slim, Fluke TP38
	1133569-00-A	Pliers, Clip Removal
	1055662-00-A	Anti-static mat/wrist grounding cord and wrist strap
	1044206-00-A	Wheel Trim Removal Tool
	1096767-00-A	Seat Cover
	1071271-00-A	Chassis Height Measuring Tool
	1049463-00-A	Steering Wheel Level

Shop Supplies	Loctite 222MS threadlocker
	Isopropyl Alcohol (IPA) wipes
	HV glove kit

Procedure

Replace the rear drive unit inverter (refer to Service Manual procedure [40200602](#)).