



Inspect Wheels and Tires

Classification	Campaign Bulletin	Section/Group	34 - Wheels & Tires	Country/Region	All
Year	2017	Model	Model S, Model X	Version	All

Bulletin Classification: *This bulletin provides instructions and guidelines for a vehicle procedure that is not the result of a defect. This bulletin might not be VIN-specific. 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

Certain Model S and Model X vehicles might have been manufactured with a wheel and tire combination that do not match the wheels and tires that were specified when the vehicle was sold.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, then replace the front pair of tires, the rear pair of tires, or all 4 of the tires.

Correction Description	Correction	Time
SB-18-34-001 Not Applicable	S011834001	0.00
Inspect Model S Wheels and Tires, No Tire Replacement Needed	S021834001	0.05
Inspect Model S Wheels and Tires, Replace 2 Tires, and Check Alignment	S031834001	1.4
Inspect Model X Wheels and Tires, Replace 2 Front Tires, and Check Alignment	S041834001	1.3
Inspect Model X Wheels and Tires, Replace 2 Rear Tires, and Check Alignment	S051834001	1.3
Inspect Model S Wheels and Tires, Replace 2 Tires, and Check and Adjust Alignment	S061834001	2.2
Inspect Model X Wheels and Tires, Replace 2 Front Tires, and Check and Adjust Alignment	S071834001	1.95
Inspect Model X Wheels and Tires, Replace 2 Rear Tires, and Check and Adjust Alignment	S081834001	1.95
Inspect Model S Wheels and Tires, Replace 4 Tires, and Check Alignment	S091834001	1.4
Inspect Model X Wheels and Tires, Replace 4 Tires, and Check Alignment	S101834001	1.3
Inspect Model S Wheels and Tires, Replace 4 Tires, and Check and Adjust Alignment	S111834001	2.2
Inspect Model X Wheels and Tires, Replace 4 Tires, and Check and Adjust Alignment	S121834001	1.95

Required Part(s):	Part Number	Description	Quantity
	1065209-00-A	255/45R20 TIRE MICHELIN LATITUDE SPORT 3 - FRONT	2
	1065210-00-A	275/45R20 TIRE MICHELIN LATITUDE SPORT 3 - REAR	2
	1079720-00-A	245/35ZR21 TIRE MICHELIN PILOT SUPER SPORT	2 or 4

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

Procedure

1. Visually inspect the vehicle wheels. If the wheels are non-Tesla aftermarket, discontinue this procedure.
2. Make sure that the wheels are one of the Tesla-supplied types shown below:



WTSC (Slipstream - Sonic Carbon)



WT20 (Slipstream - Silver)



WTSG (Turbine Gray)

If the wheel is not one of the types shown above, discontinue this procedure.

3. Open the driver's side door and inspect the Tesla Vehicle Certification Label (Figure 1 and Figure 2).

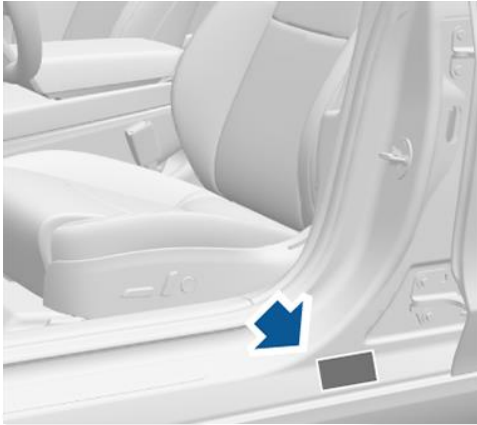


Figure 1 (Model S Certification Label Location)



Figure 2 (Model X Certification Label Location)

4. Note the rim and tire size information on the Tesla Vehicle Certification Label (Figure 3).

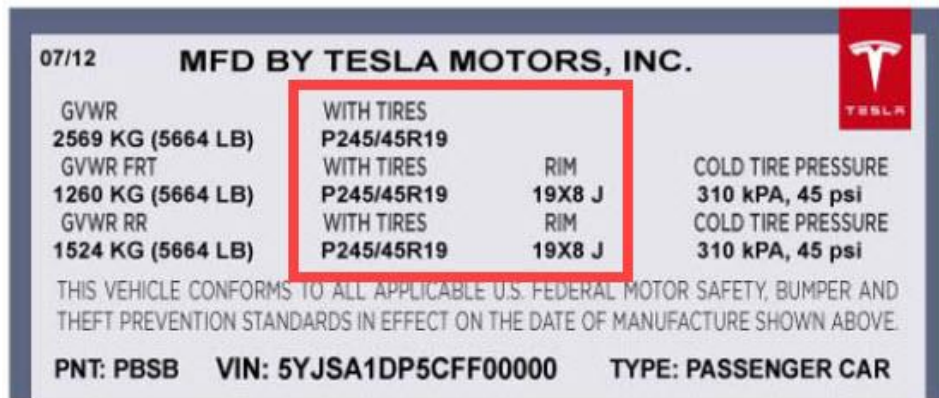


Figure 3 (Vehicle Certification Label)

5. Visually inspect the outboard sidewall of each tire and make sure that the tire size matches the information on the Tesla Vehicle Certification Label.
 - If the tire size matches the information on the Tesla Vehicle Certification Label, go to step 6.
 - If the tire size does not match the information on the Tesla Vehicle Certification Label, go to step 9.
6. Raise and support the vehicle (refer to Service Manual procedure 10000205).

7. Visually inspect the inboard side of each spoke of the wheel rim to locate the rim size information, which is located on the inboard side of one of the rim spokes.



Figure 4 (Rim size information)

The format of the rim size information (highlighted in Figure 4) is:

20	Rim diameter (2 digits)
X	Separator (1 letter)
10	Rim width (2 digits)
J	Rim collar profile (1 letter), which indicates the intended use of the rim

In Figure 4, the information 20X10J indicates that the rim diameter is 20 inches, the rim is 10 inches wide, and the rim is intended for passenger car use.

8. Make sure that the rim size information matches the information on the Tesla Vehicle Certification Label.
 - If the wheel rim size does not match the information on the Tesla Vehicle Certification Label, create and escalate a Toolbox session.
 - If the wheel rim size matches the information on the Tesla Vehicle Certification Label, continue to the next step.
9. Using the table below, make sure that the tire width is correct for the rim width:

If the rim width is:	The tire width should be:
8.5 in	245
9 in	255
10 in	275

If one tire width is not appropriate for the rim width, replace both tires on the axle (refer to Service Manual procedure 34021002).

NOTE: Do not replace only one tire. Replace tires only in pairs; replace both front tires or replace both rear tires.

The replacement tire to use depends on the rim width.

Rim Width	Replacement Tire	Part Number
8.5 in	Michelin Pilot Super Sport (245/35ZR21)	1079720-00-A
9 in	Michelin Latitude Sport 3 – FRONT (255/45R20)	1065209-00-A
10 in	Michelin Latitude Sport 3 – REAR (275/45R20)	1065210-00-A

NOTE: If the vehicle is equipped with staggered tires (rear rims and tires are wider than front rims and tires), make sure that the staggered pattern is maintained on the vehicle (wider tires and rims in the rear).

10. Check the wheel alignment (refer to Service Manual procedure 31002100), and adjust if necessary.

Affected VIN(s) Affected Model S and Model X vehicles.

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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