

such lines and parts, after notice to the manufacturer and an opportunity for written comment. NHTSA's procedures for selecting high theft vehicle lines are contained in 49 CFR Part 542.

As a result of the April 2004 amendment, determination of high theft status is required only for new LDTs manufactured on or after September 1, 2006. There are seven vehicle manufacturers who produce LDTs. Generally, these manufacturers would not introduce more than one new LDT line in any year.

*Affected Public:* Vehicle manufacturers.

*Estimated Total Annual Burden:* The overall total estimated cost burden for this collection is approximately \$82 million. The overall total estimated annual hour burden for this collection is 267, 356.

Under authority delegated in 49 CFR part 1.95.

**David M. Hines,**

*Acting Associate Administrator for Rulemaking.*

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## DEPARTMENT OF TRANSPORTATION

### National Highway Traffic Safety Administration

#### Petition for Exemption From the Federal Motor Vehicle Motor Theft Prevention Standard; Tesla

**AGENCY:** National Highway Traffic Safety Administration, Department of Transportation (DOT).

**ACTION:** Grant of petition for exemption.

**SUMMARY:** This document grants in full the petition of Tesla Motors Inc's., (Tesla) petition for an exemption of the Model X vehicle line in accordance with 49 CFR Part 543, *Exemption from Vehicle Theft Prevention Standard*. This petition is granted because the agency has determined that the antitheft device to be placed on the line as standard equipment is likely to be as effective in reducing and deterring motor vehicle theft as compliance with the parts-marking requirements of 49 CFR Part 541, *Federal Motor Vehicle Theft Prevention Standard* (Theft Prevention Standard). Tesla requested confidential treatment for specific information in its petition. The agency will address Tesla's request for confidential treatment by separate letter.

**DATES:** The exemption granted by this notice is effective beginning with the 2014 model year (MY).

**FOR FURTHER INFORMATION CONTACT:** Ms. Carlita Ballard, Office of International Policy, Fuel Economy and Consumer Standards, NHTSA, W43-439, 1200 New Jersey Avenue SE., Washington, DC 20590. Ms. Ballard's phone number is (202) 366-5222. Her fax number is (202) 493-2990.

**SUPPLEMENTARY INFORMATION:** In a petition dated April 30, 2014, Tesla requested an exemption from the parts-marking requirements of the Theft Prevention Standard for the Model X vehicle line beginning with MY 2014. The petition requested an exemption from parts-marking pursuant to 49 CFR 543, *Exemption from Vehicle Theft Prevention Standard*, based on the installation of an antitheft device as standard equipment for the entire vehicle line.

Under 49 CFR Part 543.5(a), a manufacturer may petition NHTSA to grant an exemption for one vehicle line per model year. In its petition, Tesla provided a detailed description and diagram of the identity, design, and location of the components of the antitheft device for the Model X vehicle line. Tesla proposes to install a passive, transponder-based, electronic engine immobilizer device as standard equipment on its Model X vehicle line beginning with its MY 2014 vehicles. Key components of the antitheft device include an engine immobilizer, central body controller, security controller, gateway function, drive inverters and a passive entry transponder (PET). Tesla also stated that the new design of its immobilizer device will have enhanced security communication between its components, prevent tampering and provide additional features to enhance its overall effectiveness.

Tesla further stated that in addition to its immobilizer device, it will incorporate an audible alarm (horn) as standard equipment, but will not include a visual feature with the alarm system. Tesla stated that forced entry into the vehicle or any type of entry without the correct PET will trigger the audible alarm. Tesla further stated that in addition to an access through the doors, the alarm will also trigger when a break-in is attempted to either the front or rear cargo areas. Tesla further explained that its antitheft device will have a two-step activation process with a vehicle code query conducted at each stage. The first stage allows access to the vehicle when an authorization cycle occurs between the PET and the Security Controller, as long as the PET is in close proximity to the car and the driver either pushes the lock/unlock button on the key fob, pushes the

exterior door handle to activate the handle sensors or inserts a hand into the handle to trigger the latch release. During the second stage, vehicle operation will be enabled when the driver has depressed the brake pedal and moves the gear selection stalk to drive or reverse. When one of these actions is performed, the security controller will poll to verify if the appropriate PET is inside the vehicle. Upon location of the PET, the security controller will run an authentication cycle with the key confirming the correct PET is being used inside the vehicle. Tesla stated that once authentication is successful, the security controller initiates a coded message through the gateway. If the code exchange matches the code stored in the drive inverters, the exchange will authorize the drive inverter to deactivate immobilization allowing the vehicle to be driven under its own power. Tesla stated that the immobilizer functions to ensure maximum theft protection when the immobilizer is active, the vehicle is off and the doors are locked. Tesla stated that it will incorporate an additional security measure that performs when the car is unlocked and immobilization is deactivated. Specifically, immobilization will reactivate when there are no user inputs to the vehicle within a programmed period of time. Tesla stated that any attempt to operate the vehicle without performing and completing each task, will render the vehicle inoperable.

Tesla's submission is considered a complete petition as required by 49 CFR 543.7 in that it meets the general requirements contained in 543.5 and the specific content requirements of 543.6. In addressing the specific content requirements of 543.6, Tesla provided information on the reliability and durability of its proposed device. Tesla stated that the antitheft device will be upgraded with a more robust design than the antitheft device already installed as standard equipment on its Model S vehicle line. To ensure reliability and durability of the device, Tesla conducted tests based on its own specified standards. Tesla provided a detailed list of the tests conducted and stated that it believes that its device is reliable and durable because it complied with its design standards. Additionally, Tesla stated that it has also incorporated other measures of ensuring reliability and durability of the device to protect the immobilizer device from exposure to the elements and limits its access by unauthorized personnel. Additionally, Tesla stated that the immobilizer relies

on electronic functions and not mechanical functions, and therefore expects the components to last at least the life of the vehicle or longer.

Tesla also compared the device proposed for its vehicle line with other devices which NHTSA has already determined to be as effective in reducing and deterring motor vehicle theft as would compliance with the parts-marking requirements of the Theft Prevention Standard (i.e., the Audi Q5, GM Cadillac SRX, Volvo XC90, Ford Lincoln MKX and the Toyota Lexus RX vehicle lines). Specifically, the agency's data show that using an average of 3 MYs (2009–2011) theft rate data, the average theft rates for the Audi Q5 is (0.5756), GM Cadillac SRX (0.5888), Volvo XC90 (0.2582), Ford Lincoln MKX (0.6046) and the Toyota Lexus RX (0.4034) which are all well below the median theft rate of 3.5826.

Based on the evidence submitted by Tesla, the agency believes that the antitheft device for the Model X vehicle line is likely to be as effective in reducing and deterring motor vehicle theft as compliance with the parts-marking requirements of the Theft Prevention Standard (49 CFR 541).

Pursuant to 49 U.S.C. 33106 and 49 CFR 543.7 (b), the agency grants a petition for exemption from the parts-marking requirements of Part 541, either in whole or in part, if it determines that, based upon substantial evidence, the standard equipment antitheft device is likely to be as effective in reducing and deterring motor vehicle theft as compliance with the parts-marking requirements of Part 541. The agency finds that Tesla has provided adequate reasons for its belief that the antitheft device for the Model X vehicle line is likely to be as effective in reducing and deterring motor vehicle theft as compliance with the parts-marking requirements of the Theft Prevention Standard. This conclusion is based on the information Tesla provided about its device.

The agency concludes that the device will provide the five types of performance listed in § 543.6(a)(3): Promoting activation; attract attention to the efforts of an unauthorized person to enter or move a vehicle by means other than a key; preventing defeat or circumvention of the device by unauthorized persons; preventing operation of the vehicle by unauthorized entrants; and ensuring the reliability and durability of the device.

For the foregoing reasons, the agency hereby grants in full Tesla's petition for exemption for the Model X vehicle line from the parts-marking requirements of 49 CFR part 541, beginning with the

2014 model year vehicles. The agency notes that 49 CFR part 541, Appendix A–1, identifies those lines that are exempted from the Theft Prevention Standard for a given MY. 49 CFR part 543.7(f) contains publication requirements incident to the disposition of all part 543 petitions. Advanced listing, including the release of future product nameplates, the beginning model year for which the petition is granted and a general description of the antitheft device is necessary in order to notify law enforcement agencies of new vehicle lines exempted from the parts marking requirements of the Theft Prevention Standard.

If Tesla decides not to use the exemption for this line, it should formally notify the agency. If such a decision is made, the line must be fully marked according to the requirements under 49 CFR parts 541.5 and 541.6 (marking of major component parts and replacement parts).

NHTSA notes that if Tesla wishes in the future to modify the device on which this exemption is based, the company may have to submit a petition to modify the exemption. Part 543.7(d) states that a Part 543 exemption applies only to vehicles that belong to a line exempted under this part and equipped with the antitheft device on which the line's exemption is based. Further, Part 543.9(c)(2) provides for the submission of petitions "to modify an exemption to permit the use of an antitheft device similar to, but differing from the one specified in that exemption."

The agency wishes to minimize the administrative burden that Part 543.9(c)(2) could place on exempted vehicle manufacturers and itself. The agency did not intend in drafting Part 543 to require the submission of a modification petition for every change to the components or design of an antitheft device. The significance of many such changes could be *de minimis*. Therefore, NHTSA suggests that if the manufacturer contemplates making any changes, the effects of which might be characterized as *de minimis*, it should consult the agency before preparing and submitting a petition to modify.

Under authority delegated in 49 CFR part 1.95.

**David M. Hines,**

*Acting Associate Administrator for Rulemaking.*

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## DEPARTMENT OF TRANSPORTATION

### National Highway Traffic Safety Administration

#### Petition for Exemption From the Federal Vehicle Theft Prevention Standard; Nissan North America, Inc.

**AGENCY:** National Highway Traffic Safety Administration (NHTSA), Department of Transportation (DOT).

**ACTION:** Grant of petition for exemption.

**SUMMARY:** This document grants in full the Nissan North America, Inc.'s, (Nissan) petition for an exemption of the NV200 Taxi vehicle line in accordance with 49 CFR part 543, *Exemption from Vehicle Theft Prevention Standard*. This petition is granted because the agency has determined that the antitheft device to be placed on the line as standard equipment is likely to be as effective in reducing and deterring motor vehicle theft as compliance with the parts-marking requirements of 49 CFR part 541, *Federal Motor Vehicle Theft Prevention Standard* (Theft Prevention Standard). Nissan also requested confidential treatment of specific information in its petition. The agency will address Nissan's request for confidential treatment by separate letter.

**DATES:** The exemption granted by this notice is effective beginning with the 2015 model year (MY).

**FOR FURTHER INFORMATION CONTACT:** Ms. Deborah Mazyck, Office of International Policy, Fuel Economy and Consumer Programs, NHTSA, W43–443, 1200 New Jersey Avenue SE., Washington, DC 20590. Ms. Mazyck's phone number is (202) 366–4139. Her fax number is (202) 493–2990.

**SUPPLEMENTARY INFORMATION:** In a petition dated May 30, 2014, Nissan requested an exemption from the parts-marking requirements of the Theft Prevention Standard for the Nissan NV200 Taxi vehicle line beginning with MY 2015. The petition requested an exemption from parts-marking pursuant to 49 CFR part 543, *Exemption from Vehicle Theft Prevention Standard*, based on the installation of an antitheft device as standard equipment for the entire vehicle line.

Under 49 CFR part 543.5(a), a manufacturer may petition NHTSA to grant an exemption for one vehicle line per model year. In its petition, Nissan provided a detailed description and diagram of the identity, design, and location of the components of the antitheft device for the NV200 Taxi vehicle line. Nissan stated that the MY 2015 NV200 Taxi vehicle line will be equipped with a passive, transponder