

# Supra Long-Term Vehicle Storage Guidelines

**Service Category** Power Source/Network

**Section** Battery/Charging

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020	Supra	

## Introduction

Long-term or off-site storage requires special care to keep vehicles factory fresh and ready for delivery. The following guidelines should be performed to minimize vehicle component/part degradation due to extended vehicle storage conditions. Long-term storage can affect a vehicle's systems and components. Any problems that are found should be corrected immediately.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

## Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
DSS-5000 Battery Diagnostic Tool*	<a href="#">DSS-5000P_T</a>	1
DCA-8000 Battery Diagnostic Tool*	<a href="#">DCA-8000P_T</a>	1

\*Essential SST.

### NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

## Supra Long-Term Vehicle Storage Guidelines

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### Summary Chart for Long-Term Storage

Below are items that should be checked periodically and their frequency.

ACTION	FREQUENCY
Tire Inflation Pressure Check	Monthly
Parts Rust Inspection	Monthly
A/C Compressor Lubrication	Monthly
Charge Battery to 12.9V using under-hood jump starting posts	Every 6 Weeks
Disc Brake Rotor Surface Rust Removal	Every 8 Weeks
Engine Starting and Vehicle Movement	Every 6 Weeks
Rapgard™ Removal	After 90 Days
Tyvek Removal	After 12 Months

A combination of proper vehicle receipt, Pre-Delivery Service (PDS), and vehicle storage is the ONLY way to maintain factory fresh vehicles. Toyota's goal is to deliver 100% problem-free vehicles. With your commitment to quality and customer satisfaction, we can reach that goal. Review this bulletin often and make sure new employees are aware of the policies and procedures outlined herein, as individual training in proper inspection, PDS, and storage and handling techniques are essential to ensure high-quality delivery.

### Long-Term Vehicle Storage Guidelines

#### Reference and Training Materials

Listed below are additional resources, which will help you with vehicle receipt, inspection, and storage procedures.

- UoT e-Learning Course E257 Vehicle Delivery Quality – Paint Finish Repair
- Dealer Delivery Quality Operations Guide, P/N 001 16-DDQOG-98
- Service Bulletin [BO020-91](#), *Prevention and Repair of Acid Rain Damage*
- Service Bulletin [BO005-92](#), *New Vehicle Washing Schedule for Paint Protection*
- [DCA-8000 Battery Diagnostic Charger Instruction Manual](#)
- Service Bulletin [PA005-04](#), *Iron Particle Rust Contamination Repair*
- Service Bulletin [PG005-94](#), *Dealer Removal Procedures for Rapgard™ Protective Film*
- Service Bulletin [PG007-02](#), *Wheel Film for Brake Rotor Rust Prevention*

## Supra Long-Term Vehicle Storage Guidelines

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### Long-Term Vehicle Storage Guidelines (continued)

#### Parking and Paint Protection Procedure

- Storage areas should be paved, well lit, and secure. If your off-site storage lot is NOT paved, spread gravel to minimize mud and dust. Make sure vehicles are driven carefully when moving them to or from a long-term lot. This will help minimize damage to the paint finish from road grit or gravel.
- Park vehicles from right to left AT LEAST 3 feet apart. Leave enough space front and rear to easily walk between rows.
- Turn OFF ALL electrical accessories, make sure windows are closed, and check that the transmission is in Park. Do NOT apply the parking brake.
- HVAC vent controls should be set to Recirc to minimize dust and odor intrusion.
- Make sure the plastic door edge protectors are in place and fold in the side view mirror (if applicable).
- Anti-rust covers or anti-rust film should remain on vehicle during storage.
  1. Anti-rust covers (behind wheel) should be removed at PDS.
  2. Anti-rust film (applied to wheel) should be removed just prior to customer delivery.
- Wash vehicles frequently.

#### Battery

After 6 weeks, charge the battery with the DCA-8000 battery charger using the Manual Charge option. Refer to the [DCA-8000 Battery Diagnostic Charger Instruction Manual](#) for complete battery charging procedures.

#### NOTICE

- Connect the battery charger to the under-hood jump starting posts (do NOT connect directly to the battery).
- Do NOT charge at a voltage of more than 14.8V at room temperature (no rapid charging).

#### Tire Inflation Pressure

If the vehicle is parked for long periods without being moved, a flat spot may develop on each tire surface in contact with the ground, even if the tires are inflated to specification. Tire inflation pressure should be checked once a month.

Tire inflation pressure for storage ONLY: **45 psi**.

## Supra Long-Term Vehicle Storage Guidelines

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### Long-Term Vehicle Storage Guidelines (continued)

#### Parts Rust

If the vehicles in your storage area are exposed to a sea breeze and/or significant precipitation, corrosion with rust in some parts may occur.

If rust is found, remove it, and treat it by applying rust inhibitor to prevent recurrence.

#### Engine Starting and Vehicle Movement

If the vehicle is stored over an extended period of time, starting and running the engine periodically will help to ensure smooth running operation.

1. Start and operate the engine at an engine speed of less than 1,500 rpm for 15 minutes or longer.

Raise engine speed above 3,000 rpm 10 times to eliminate moisture from the exhaust.

#### NOTE

Make sure to allow sufficient clearance at the rear of the vehicle to prevent other vehicles stored behind from getting damaged by exhaust gas.

2. Move the vehicle AT LEAST 30 feet to lubricate the transmission and differential, and to prevent tire flat-spot damage.

#### A/C Compressor Lubrication

To minimize the possibility of damage to the A/C compressor while storing a vehicle, perform the following recommended maintenance procedures AT LEAST once a month to lubricate the compressor.

1. Turn OFF the A/C and blower switches BEFORE starting the vehicle.
2. Start the engine.  
Allow the engine to warm up until engine idle drops below 1,000 rpm.
3. Turn ON the A/C system using the following settings:
  - A. A/C Switch: ON
  - B. Blower Speed: High
  - C. Engine Speed: Below 1,000 rpm
4. Keep A/C ON with engine idling for at least 1 minute.
5. Turn OFF A/C system and cycle ignition to OFF position.

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### Long-Term Vehicle Storage Guidelines (continued)

#### Disc Brake Rotor Surface Rust Removal

The brake rotors are made of cast iron and may show gradual build-up of surface rust during long-term storage. AT LEAST once every 2 months, drive the vehicle and use the brakes normally, stopping from about 30 mph AT LEAST 20 times. This regular usage will help prevent severe rust build-up and the possibility of unwanted brake vibration concerns due to rust.

**Figure 1. Slight Rust on Rotor (Easy to Remove by Braking)**



**Figure 2. Severe Rust on Rotor (Hard to Remove by Braking)**



#### NOTE

- If brake vibration still occurs AFTER the braking cycle, determine the root cause of the brake vibration, and repair.
- Brake rotor resurfacing may be required if the rust is severe and resulted in excessive rotor thickness variation.