

Part Number: PT924-48205-05

**Kit Contents**

Item #	Quantity Req.	Description
1	1	Rear Bumper Protector
2		
3		

**Hardware Bag Contents**

Item #	Quantity Req.	Description

**Additional Items Required For Installation**

Item #	Quantity Req.	Description

**Conflicts**

None
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Vehicle Protection	
<b>Special Tools</b>	<b>Notes</b>
Non-intrusive Infrared Temp Probe/Gun	
<b>Installation Tools</b>	<b>Notes</b>
Clean Lint Free Cloths	
<b>Special Chemicals</b>	<b>Notes</b>
VDC Approved Cleaner	

**General Applicability**

MY20 Highlander, Highlander HV
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**Recommended Sequence of Application**

Item #	Accessory

\*Mandatory

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Req.	Description

**Legend****STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.**OPERATOR SAFETY:** Use caution to avoid risk of injury.**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.**SAFETY TORQUE:** This mark indicates that torque is related to safety.**REGULATORY MARK:** This mark indicates the component is related to regulatory compliance

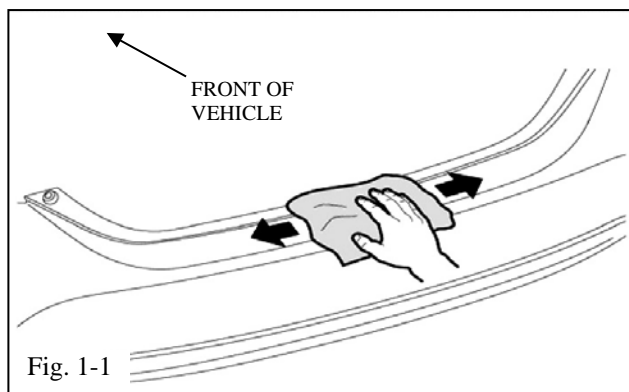
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.



## 1. Prepare the Vehicle.

- (a) Open package and inspect part for damage. If necessary, remove top blue liner.



- (b) Ensure the Rear Bumper Protector and the vehicle bumper are 60°-110°F (15°-43°C).

- (c) Open the rear hatch.

- (d) Use VDC approved cleaner on a clean lint free cloth to thoroughly clean the top surface of the rear bumper (Fig. 1-1).

- (e) Dry the scrubbed bumper surface with a clean, dry, lint free cloth.



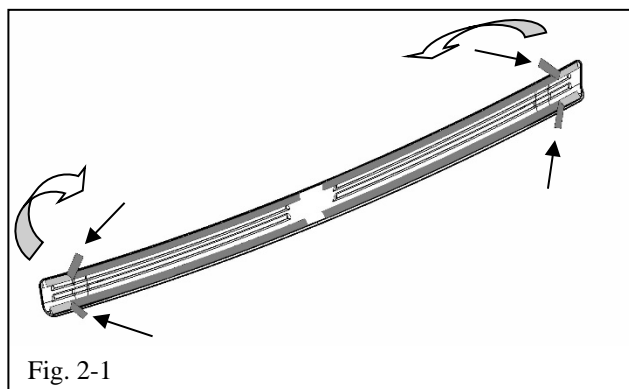
**NOTE:** Once cleaned, do not contaminate this surface by touching it with bare skin.

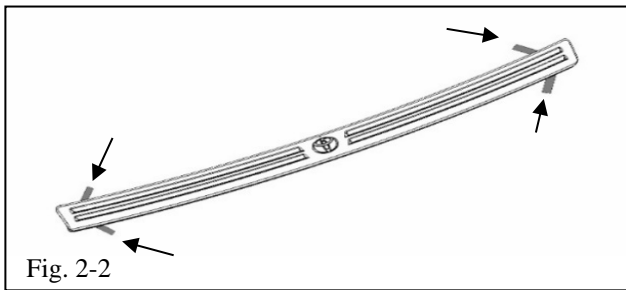
## 2. Rear Bumper Protector Installation

- (a) While carefully holding the rear bumper protector by its edges, pull all the plastic liner tabs at the ends of the tape to expose approx. 1½" (40mm) of tape (Fig. 2-1).

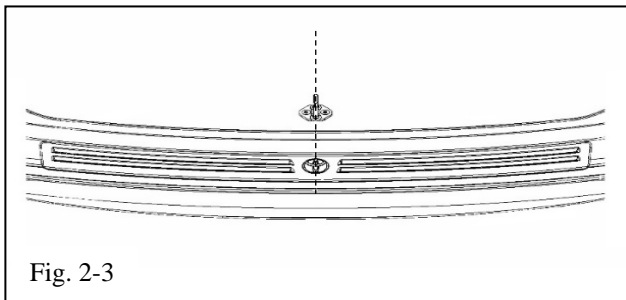


**NOTE:** Once the liner is removed from the Rear Bumper Protector the surface of the tape must not be touched.



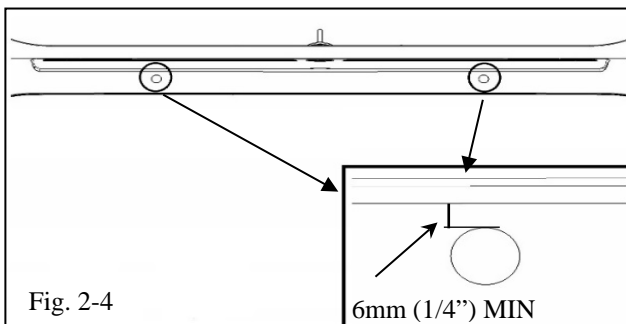


- (b) Ensure all the tabs are folded so they can be accessed from the top once the protector is seated on the rear bumper (Fig. 2-2).

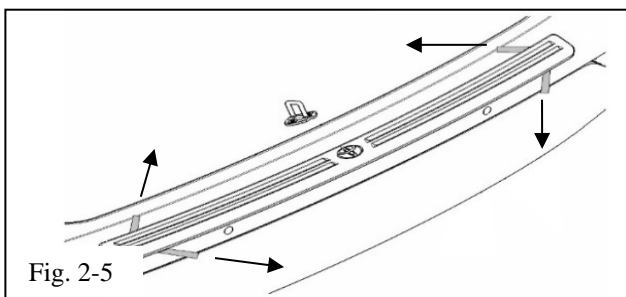


- (c) Before installing the Rear Bumper Protector ensure the central arrow is aligned with the center of the vehicle or lift gate striker (Fig. 2-3).

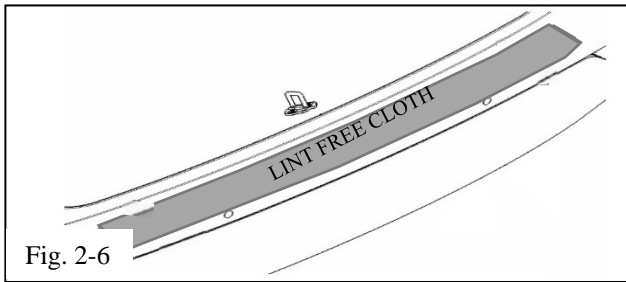
- (d) While keeping the Rear Bumper Protector aligned, lower the righthand corner until it contacts the bumper and starts to stick. Press Rear Bumper Protector firmly from right to left, until left hand corner comes into contact and adheres to bumper. **Do not** allow both ends of the protector to stick to the bumper before the center touches.




- (e) Ensure a minimum clearance of 5mm (1/4") to the top of the rear sensors (Fig. 2-4).



- (f) Once the exposed tape has been secured, pull out and discard all the liners to allow full tape contact with the rear bumper (Fig. 2-5).



-  (g) Press down firmly around the perimeter of the protector. Place the lint free cloth on top of assembled rear bumper protector and slowly use the hands to press firmly from right to left and around the entire perimeter of the protector to ensure full adhesion of the tape to the rear bumper ( Fig 2-6).

### **3. Complete the Installation**

- (a) Close the rear hatch.

Checklist - these points **MUST** be checked to ensure a quality installation.

Look For:

☐ Check visual alignment

The protector edge to the parking distance control opening should have a minimum of 5.0mm clearance.

☐ Check for proper tape adhesion

No gap is allowed between the tape and the bumper.

☐ Confirm trunk lid closes properly

The protector must not hinder the closure of the trunk lid.

☐ After accessory installation and removal of protective cover(s), perform a visual inspection.

Ensure no damage (including scuffs and scratches) was caused during the installation process.  
(For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)