# ROOF RAIL CROSSBARS INSTALLATION GUIDE

For Toyota Tacoma

## SPECIFICATION

| | |
|---|---|
| **Model year:** | Fit 2005-2022 Toyota Tacoma Cab |
| **Maximum load capacity:** | 75KGs/165LBs maximum weight capacity<br>Refer to car user manual for the recommended limitation from factory. |

## PART LIST

## 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.

* 3 FOAM WASHERS INSTALLED ON EACH ROOF RAILS

## Kit Contents

| Item # | Quantity Reqd. | Description |
|---|---|---|
| 1 | 1 | LH Base Rail Assembly w/ Crossbar |
| 2 | 1 | RH Base Rail Assembly |
| 3 | 1 | Hardware Bag |
| 4 | 2 | Brackets |
| 5 | 1 | Front Crossbar Assembly |
| | | |

## Hardware Bag Contents

| Item # | Quantity Reqd. | Description |
|---|---|---|
| 1 | 4 | M6 x 15.7mm Wafer Head Screws |
| 2 | 6 | M6 x 40mm Button Head Screws |
| 3 | 1 | Operator Caution Card |
| 4 | 1 | M6 Pivot Hinge Screw |
| 5 | 10 | Foam Washers |
| 6 | 4 | M6 x 19.7mm Button Head Screws |
| | | |

## Additional Items Required For Installation

| Item # | Quantity Reqd. | Description |
|---|---|---|
| | | |

## Conflicts

## General Applicability

All D-Cab Tacoma Models

## Recommended Tools

| Personal & Vehicle Protection | Notes |
|---|---|
| Safety Goggles | |
| Wrist & Belt Buckle Protectors | |
| Blankets | |
| **Special Tools** | **Notes** |
| | |
| **Installation Tools** | **Notes** |
| T25 & T30 Torx Driver (Hardened) | i.e.; WihaTools.com, Snap-on, Mac… |
| Torque Wrench | 0-150 lbf-in |
| Awl | |
| Nylon Panel Removal Tool | e.g. Panel Pry Tool #1 Toyota SST# 00002-06001-01 |
| Extension | 3" |
| X-Acto Knife, Deburring Tool or equivalent | |
| | |
| **Special Chemicals** | **Notes** |
| None | |
| | |

## Recommended Sequence of Application

| Item # | Accessory |
|---|---|
| | |

*Mandatory

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

| Item # | Quantity Reqd. | Description |
|---|---|---|
| | | |

# 3 INSTALLATION

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.).

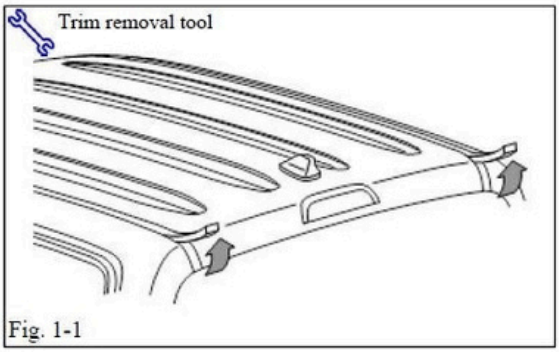


Fig. 1-1

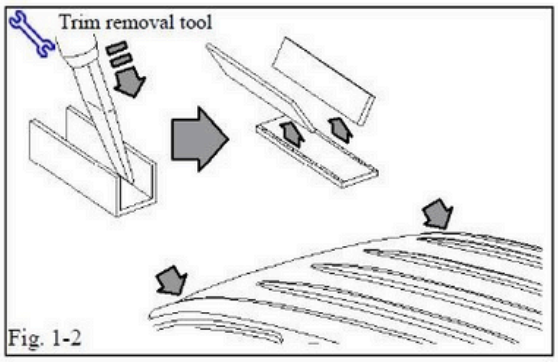


Fig. 1-2

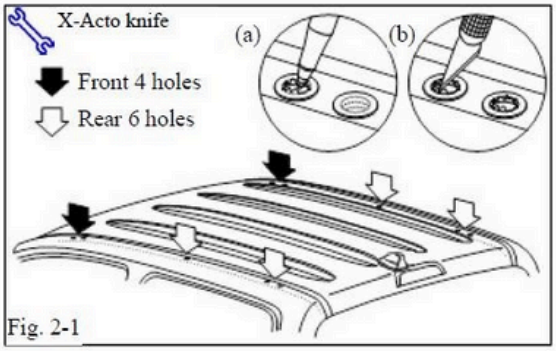


Fig. 2-1

**1. Remove the Ditch Moldings.**

(a) Pull back the WrapGuard about 10" from each side and cut off the excess (if applicable). Add vehicle protection to the top of the doors and down the side of the vehicle.

(b) Carefully remove the ditch moldings from both sides of the vehicle (Fig. 1-1).

(c) Discard the roof ditch moldings.

(d) Carefully remove any remaining tape residue at the rear of the ditch above the rear window.

(e) Use a trim removal tool to break off the vertical walls of the front ditch clips (RH & LH). Wedge the trim removal tool in from the outside then give it a sharp blow with your hand. This should cause the wall to break. Repeat for both sides (Fig. 1-2).

(a) Use a finger to locate the tape that covers the 10 weld nuts (5 LH & 5 RH) and press down to create a dimple at each location (Fig. 2-1).

(b) Use an X-Acto knife or deburring tool to carefully remove all seal material in the FRONT 4 HOLES ONLY (2 RH & 2 LH) to expose the weld nut (Fig. 2-1). Ensure no seal material is in the cavity near the threads.

# 3 INSTALLATION

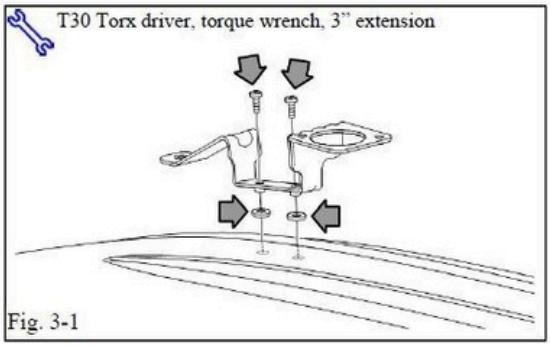


Fig. 3-1

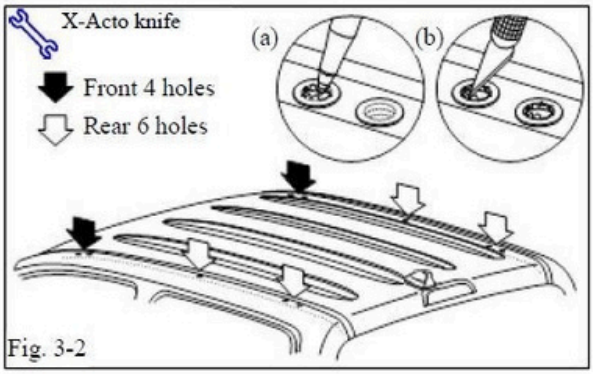


Fig. 3-2

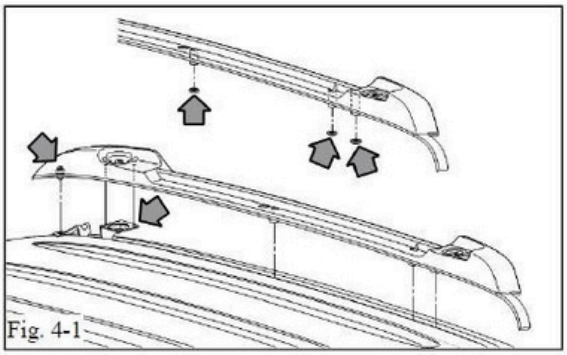


Fig. 4-1

**3. Install the RH & LH Side Roof Rack Brackets.**

(a) Remove the adhesive backing & install washers on the bottom of the bracket holes (Fig. 3-1).

(b) Install the bracket as shown (Fig. 3-1).

(c) Install two M6 x 19.7mm short button head screws (with the pink thread lock); tighten to 13.3 N.m (117.7 lbf-in) (Fig. 3-1).

**Torque: 13.3 N.m (117.7 lbf-in)**

(d) Use an X-Acto knife or deburring tool to carefully remove all seal material in the REAR 6 HOLES (3 RH & 3 LH) to expose the weld nut (Fig. 3-2). Ensure no seal material is in the cavity near the threads.

**4. Install the RH Side Roof Rack.**

(a) The RH side roof rack does not have the crossbar pre-assembled. Remove the adhesive backing and install 3 washers onto the bottom surface mounting posts, then place it on the roof (Fig. 4-1).

(b) Align the assembly so that the pad nose fits into the ditch and is snug against the front window lace (Fig. 4-1).

(c) Visually align the yellow clip at the front above the hole in the bracket. Use the palm of your hand and strike it firmly to seat it in place (Fig. 4-1).

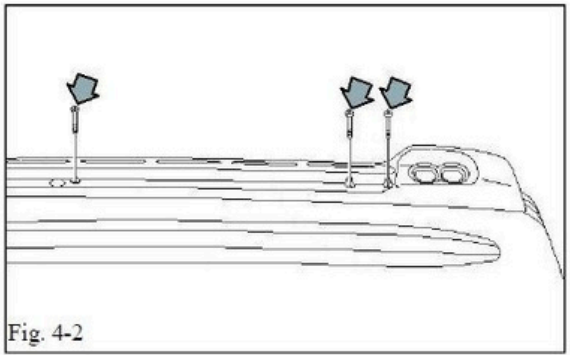


Fig. 4-2

(d) Hand start the three M6 x 40mm long button head screws (with the blue thread lock) into the roof rack along the roof ditch (Fig. 4-2).

**NOTE: Do not tighten them at this time.**

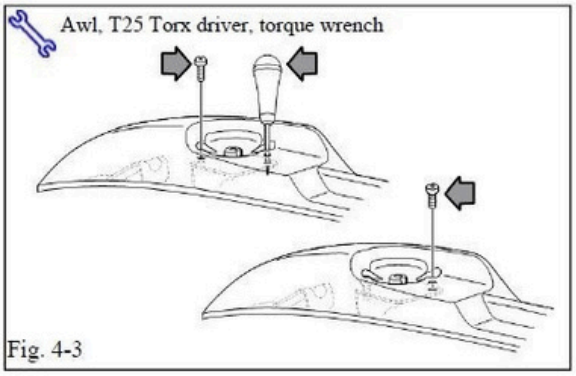


Fig. 4-3

(e) Use an awl to center the bracket hole below the access hole in the roof rail.

(1) Install the first M6 x 15.7 mm wafer head screw (with the blue thread lock) and tighten it to ensure that the part does not move when the awl is removed.

(2) Install the second wafer head screw and tighten it.

(3) Torque the two short wafer head screws to 5.6 N-m (50 lbf-in) (Fig. 4-3).

**Torque: 5.6 N-m (50 lbf-in)**

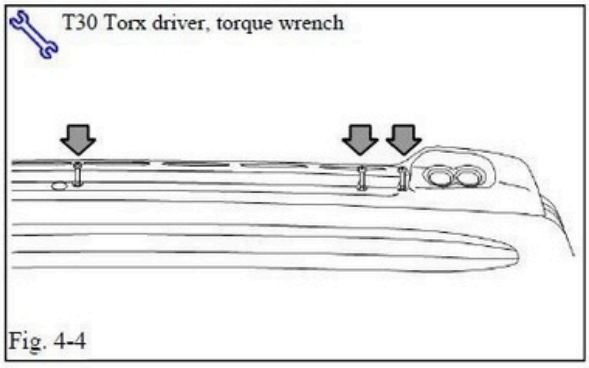


Fig. 4-4

(f) Torque the three long button head screws to 13.3 N-m (117.7 lbf-in) (Fig. 4-4).

**Torque: 13.3 N-m (117.7 lbf-in)**

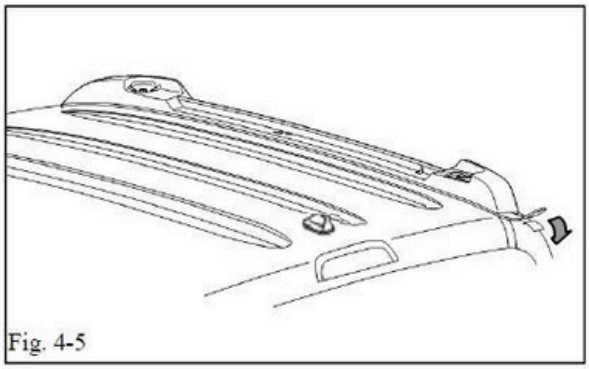


Fig. 4-5

(g) Align the stub on the rear of the pad with the roof ditch. Once aligned, remove the tape backing and press down firmly. Tuck the stub under the rear window lace (Fig. 4-5).

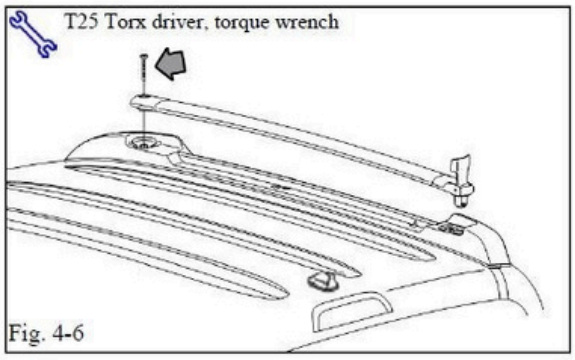


Fig. 4-6

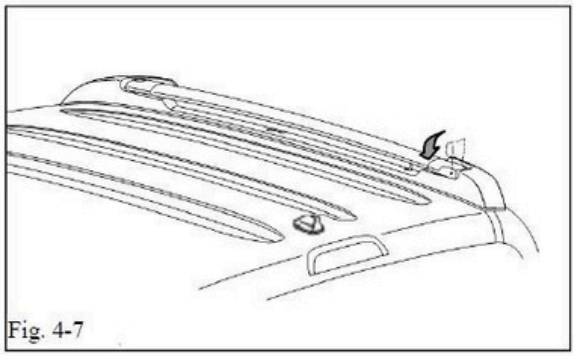


Fig. 4-7

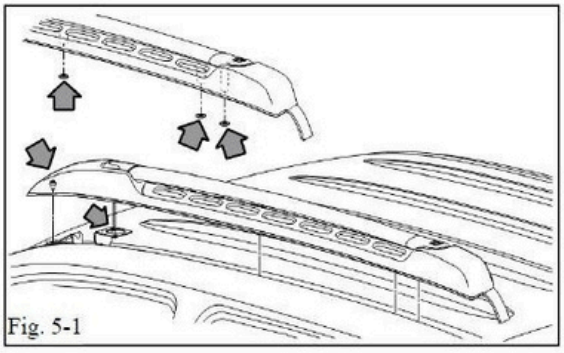


Fig. 5-1

(h) Install the crossbar assembly to the roof rack (Fig. 4-6).

(i) Install the Torx head pivot bolt and torque it to 5.6 N-m (50 lbf-in) (Fig. 4-6).

**Torque: 5.6 N-m (50 lbf-in)**

**CAUTION:** Be careful NOT to apply too much downward force while torqueing the screw as you may push the tap plate out of the holder in the rail below (Fig 4-6).

(j) Ensure the crossbar is secure by lowering the lever (Fig. 4-7).

**DONT tighten the bolts until after the LH side rail with its crossbars is installed (Step5)and alignments between LH and RH side rails are confirmed**

**5. Install the LH Side Roof Rack.**

(a) The LH side roof rack has the crossbar preassembled. Remove the adhesive backing and install 3 washers onto the bottom surface mounting posts, then place it on the roof (Fig. 5-1).

(b) Align the assembly so that the pad nose fits into the ditch and snug against the front window lace (Fig. 5-1).

(c) Visually align the yellow clip at the front above the hole in the bracket. Use the palm of your hand and strike it firmly to seat it in place (Fig. 5-1).

# 3 INSTALLATION

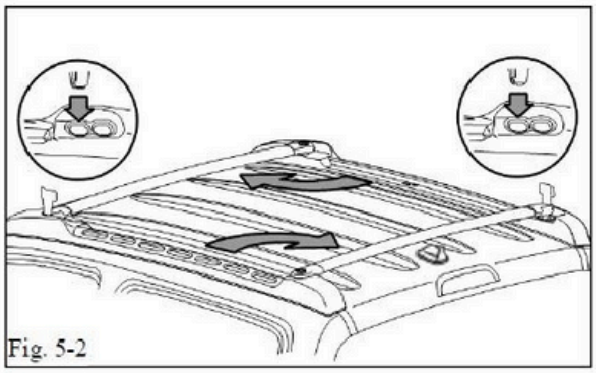


Fig. 5-2

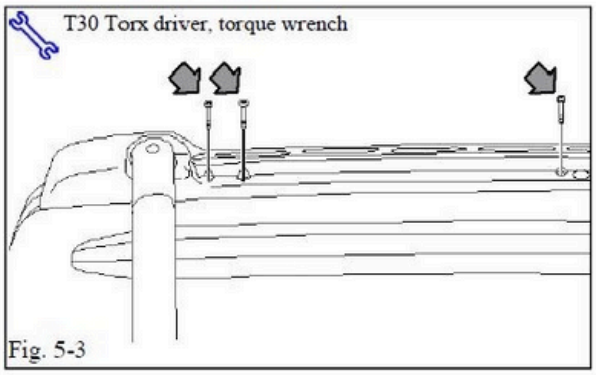


Fig. 5-3

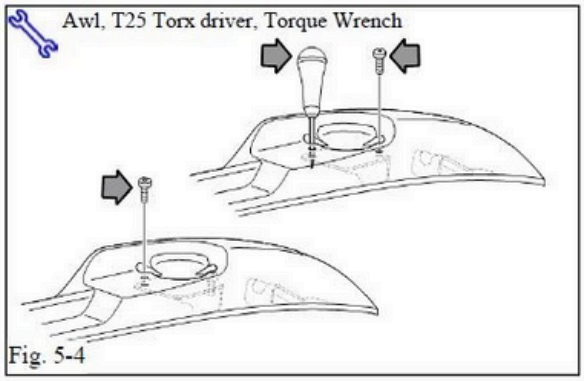


Fig. 5-4

**Loosen bolts which fixing the side rails, then pull each side outward a bit to let the crossbar end resting on base rails as Fig 5.2 shown., then tighten bolts to fix side rails.**

(d) Lift the LH & RH crossbar levers into the open position and rotate the crossbars so they rest on the base rails as shown. Do not latch them at this time (Fig. 5-2).

**DONT tighten the bolts until after the LH side rail with its crossbar are installed (Step5)and alignments between LH and RH side rails are confirmed**

(e) Hand start the three long button head screws (with the blue thread lock) into the roof rack along the roof ditch (Fig. 5-3).

⚠ **NOTE: Do not tighten them at this time.**

(f) Rotate the crossbar from the LH front rail to access the front screw holes.

⚠ (g) Use an awl to center the bracket hole below the access hole in the roof rail.

(1) Install the first M6 x 15.7 mm wafer head screw (with the blue thread lock) and tighten it to ensure that the part does not move when the awl is removed.

(2) Install the second wafer head screw and tighten it.

(3) Torque the two short wafer head screws to 5.6 N-m (50 lbf-in) (Fig. 5-4).

**Torque: 5.6 N-m (50 lbf-in)**

⚠ (h) Torque the three long button head screws into the roof rack along roof ditch to 13.3 N-m (117.7 lbf-in) (See Fig. 5-3).

**Torque: 13.3 N.m (117.7 lbf-in)**

**3** **INSTALLATION**

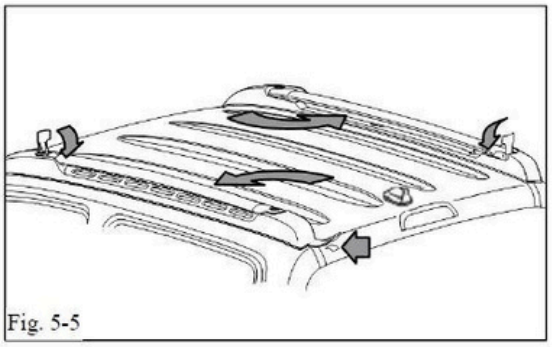


Fig. 5-5

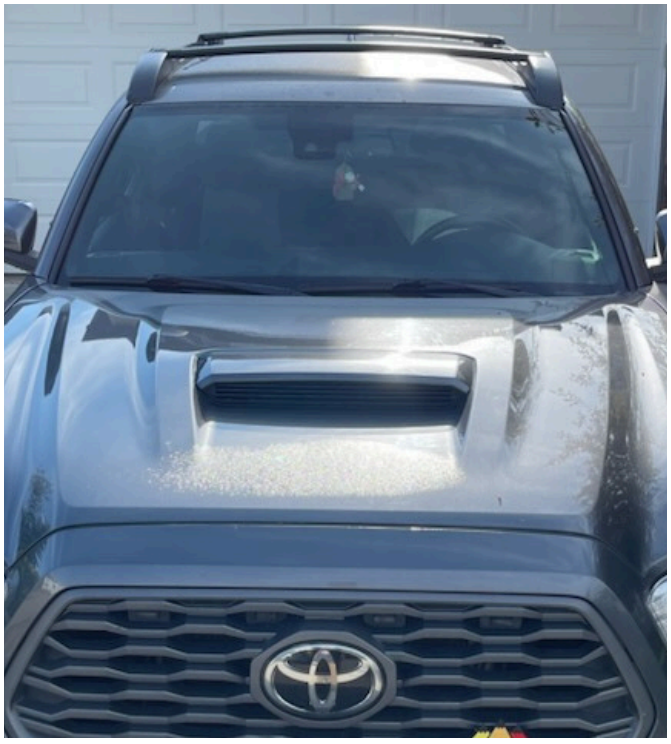
**Torque: 13.3 N.m (117.7 lbf-in)**

(i) Align the stub on the rear of the pad with the roof ditch. Once aligned, remove the tape backing and press down firmly. Tuck the stub under the rear window lace (Fig. 5-5).

(j) Reposition the crossbars into the base rails and close the levers as shown. Ensure the latch is engaged by pulling up on the crossbar above the latch (Fig. 5-5).

(k) Place the 3"x5" roof rack caution card into the owner's manual.

## Installed Roof rack view



## SUPPORT

Visit https://rockautoaccs.com for more products

Contact at rockmautox@gmail.com for any concerns or problems in Canada.

## SAFETY NOTES

**N**ever Exceed the manufacture's roof rack load limit.

**E**nsure load is evenly distributed between the two crossbars and that it is as low as possible refer to specification.

**C**onfirm lightness every 1000 km, periodically check that the load is secure and crossbars are securely tightened.

**E**nsure that crossbar installed in correct orientation.

**E**nsure that the crossbars are fully installation to the side supports with no gaps.

ROKIOTOEX will warranty all ROKIOTOEX brand car rack systems and its accessories manufactured by ROKIOTOEX during the time that an original retail purchaser owns the product. This warranty terminates if a purchaser transfers the product to any other person.

Subject to the limitations and exclusions described in this warranty, ROKIOTOEX will remedy defects in materials or workmanship by repairing or replacing, at its option, a defective product without charge for parts or labor. In addition, ROKIOTOEX may elect, at its option, not to repair or replace a defective product but rather issue to a purchaser a refund equal to the purchase price paid for the product or a credit to be used toward the purchase of a new ROKIOTOEX load carrier system.

No warranty is given for defects caused by normal wear and tear, cosmetic rust, scratches, accidents, unlawful vehicle operation, or modification of, or any types of repair of, a load carrier system other than those authorized by ROKIOTOEX.

No warranty is given for defects resulting from conditions beyond ROKIOTOEX's control including, but not limited to, misuse, overloading, or failure to assemble, mount or use the product in accordance with ROKIOTOEX's written instructions or guidelines included with the product or made available to the purchaser.

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