

Part Number: PT278-60170

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Front Cross Bar Assembly
2	1	Rear Cross Bar Assembly
3	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	2	Forward Label
2	2	Rearward Label
3	2	Load Capacity Label
4	1	Torque Tool
5	1	User Manual

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

Vehicles without OE side rails

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	
Blankets or Similar	
Wrist & Belt Buckle Protection	
Special Tools	Notes
Installation Tools	Notes
Torque Wrench	0-75 lbf-in
13mm Socket	
Ratchet	
Special Chemicals	Notes

General Applicability

All GX models with OE side rails

Recommended Sequence of Application







Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1	1	Front Cross Bar Assy (PT278-60170—FF)
2	1	Rear Cross Bar Assy (PT278-60170-RR)
3	1	User Manual (PT278-60170-AA)

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.

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 Lexus dealer for a copy of this document.

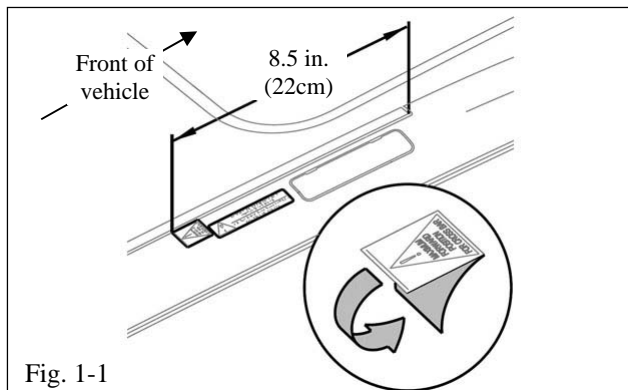


Fig. 1-1

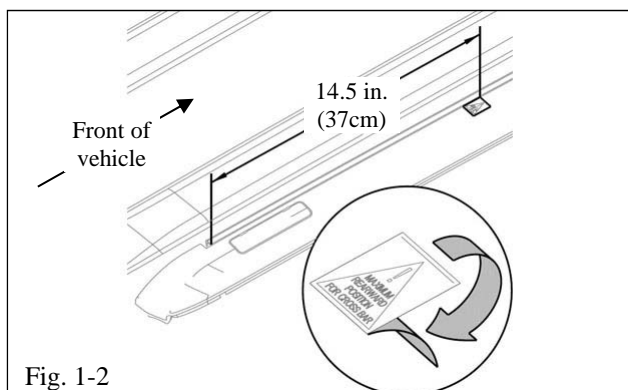




Fig. 1-2

1. Apply the Limit & Load Capacity Labels.

-  (a) Use a ruler to measure 8.5 in. (22cm) back from the front of the side rail bracket (Fig. 1-1).
- (b) Remove the adhesive backing from a "Forward Limit" label.
- (c) Position the label so that the triangle is pointing to the **rear** of the vehicle and the line on the label is at the 8.5 in. (22cm) measurement (Fig. 1-1).
- (d) Remove the adhesive backing from a "Load Capacity" label.
- (e) Position the label between the "Forward Limit" label and the front rail cap (Fig. 1-1).
-  (f) Use a ruler to measure 14.5 in. (37cm) forward from the rear of the side rail bracket (Fig. 1-2).
- (g) Remove the adhesive backing from a "Rearward Limit" label.
- (h) Position the label so that the triangle is pointing to the **front** of the vehicle and the line on the label is at the 14.5 in. (37cm) measurement (Fig. 1-2).
- (i) Repeat Step 1 on the other side.

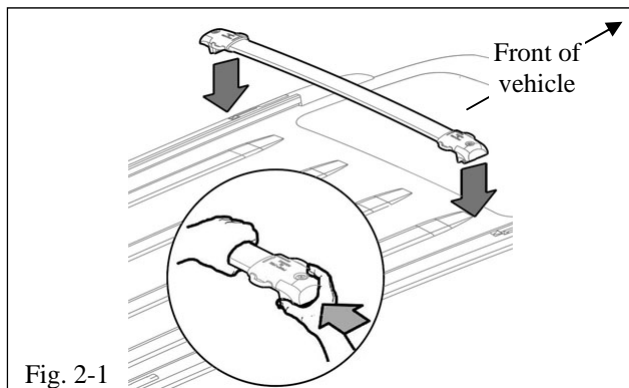


Fig. 2-1

2. Install the Front Cross Bar.

- (a) Load the front cross bar near the front of the side rail (Fig. 2-1).
- (b) Make sure the arrows on the cross bar end supports are pointing toward the front of the vehicle.
- (c) Lower the LH arm of the cross bar onto the side rail.
- (d) Compress the spring-loaded RH arm and lower onto the side rail (Fig. 2-1).
- (e) Carefully slide the front bar near the desired position.

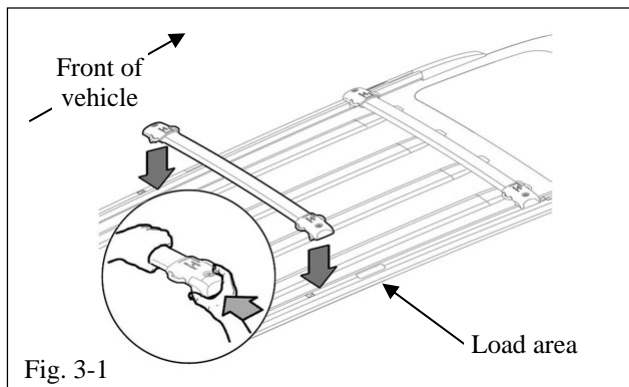
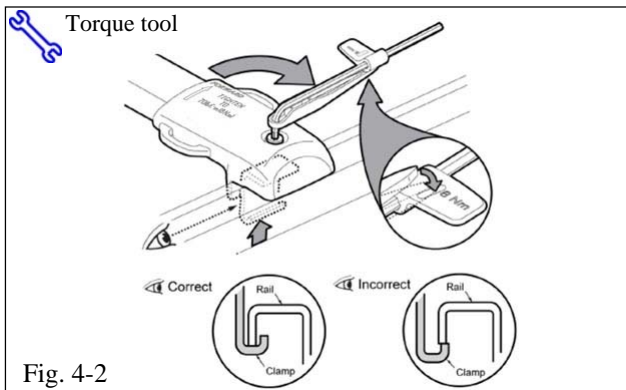
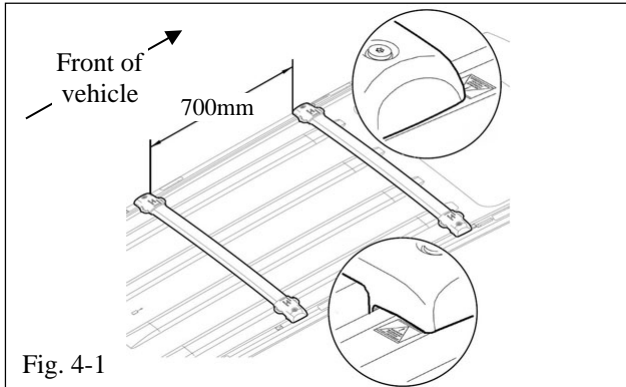


Fig. 3-1

3. Install the Rear Cross Bar.

- (a) Load the rear cross bar near the center rail cap (Fig. 3-1).
- (b) Make sure the arrows on the cross bar end supports are pointing toward the front of the vehicle.
- (c) Lower the LH arm of the cross bar onto the side rail.
- (d) Compress the spring-loaded RH arm and lower it onto the side rail.
- (e) Carefully slide the rear bar near the desired position.



4. Position and Secure the Cross Bars.

- (a) Position the front and rear cross bars by sliding them fore/aft on the side rail. Make sure the rails are parallel (Fig. 4-1).

⚠ NOTE: DO NOT POSITION THE FRONT CROSSBAR ON OR FORWARD OF THE WARNING LABEL.

⚠ NOTE: NOTE: DO NOT POSITION THE REAR CROSSBAR ON OR REARWARD OF THE WARNING LABEL.

- (b) Once the crossbars are in correct position, use the torque tool to tighten the clamps onto the side rails (Fig. 4-2).

⚠ Torque: 8 N•m (71 in•lbf)

- ⚠** (c) Visually inspect the bars to make sure the clamp is in the side rail.


- ⚠** (d) Verify the clamps are secured to the side rails by lifting up on the crossbars.

⚠ NOTE: Do not exceed the load limits indicated on the load labels.

5. Finish the Installation.

- ⛔** (a) Place the cross bar user manual and torque tool in the vehicle's glove box.

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

Check:	Look For:
<p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none">  <input type="checkbox"/> Inspect bolt torque <input type="checkbox"/> Ensure cross bars are secure and in correct position. <input type="checkbox"/> Cross bar user manual and torque tool <input type="checkbox"/> Load capacity label 	<p><u>Look For:</u></p> <p>Cross bar support bolt: 8 N•m (71 in•lbf)</p> <p>Cross bars should have snug fit to rail.</p> <p>Inside vehicle glove box.</p> <p>Ensure the load labels are installed on the rail.</p>
<p><u>Vehicle Function Checks</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> 	
<p><u>Vehicle Appearance Check</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection. 	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p> <p>(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>