



Safety glasses should be worn at all times while installing this product.

YEARS: 2010-PRESENT

MAKE: LEXUS

MODEL: RX350 & RX450H

STYLE: CROSOVER SUV

**WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY**

**WEIGHT CARRYING:**  
 TRAILER WEIGHT: 4,000 LBS.  
 TONGUE WEIGHT: 600 LBS.

**WEIGHT DISTRIBUTION:**  
 TRAILER WEIGHT: 5,000 LBS.  
 TONGUE WEIGHT: 600 LBS.

**INSTALLATION TIME: 30 MIN.**

THE INSTALL TIME LISTED IS FOR PROFESSIONAL INSTALLERS. IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.

**INSTALLATION REQUIRES:**

		<b>10mm 17mm 19mm</b>
<b>ROTARY TOOL</b>	<b>RATCHET</b>	<b>SOCKET</b>
<b>9"</b> <b>SOCKET EXTENSION</b>	<b>TORQUE WRENCH</b>	<b>SCREW DRIVER</b>
<b>MASKING TAPE</b>	<b>TAPE MEASURE</b>	<b>SAFETY GLASSES</b>
<b>AVIATION SHEARS</b>		

**INSTALLATION TIPS:**

- BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
- USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
- NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 800.798.0813

**LEVEL OF DIFFICULTY: MODERATE**

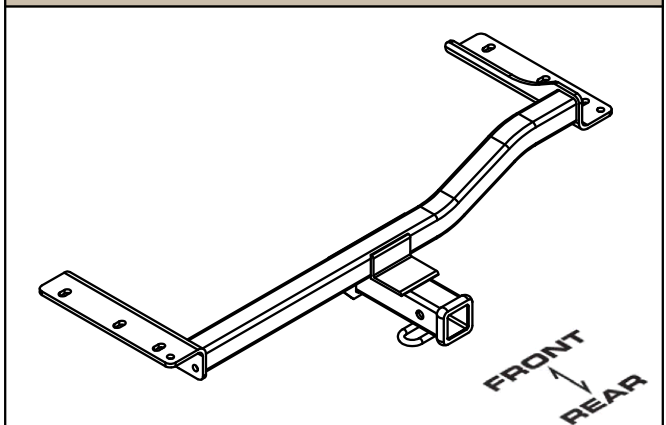
EASY	MODERATE	CHALLENGING
	MUST REMOVE LOWER FASCIA	
	MUST REMOVE (2) TOW LOOPS	
	FASCIA TRIMMING REQUIRED	
	MAY REQUIRE WELDNUT CLEANING	
	NO DRILLING REQUIRED	

**VEHICLE PHOTO:**



REPRESENTATIVE PHOTO

**HITCH ILLUSTRATION:**



MAKE SURE YOUR HITCH MATCHES

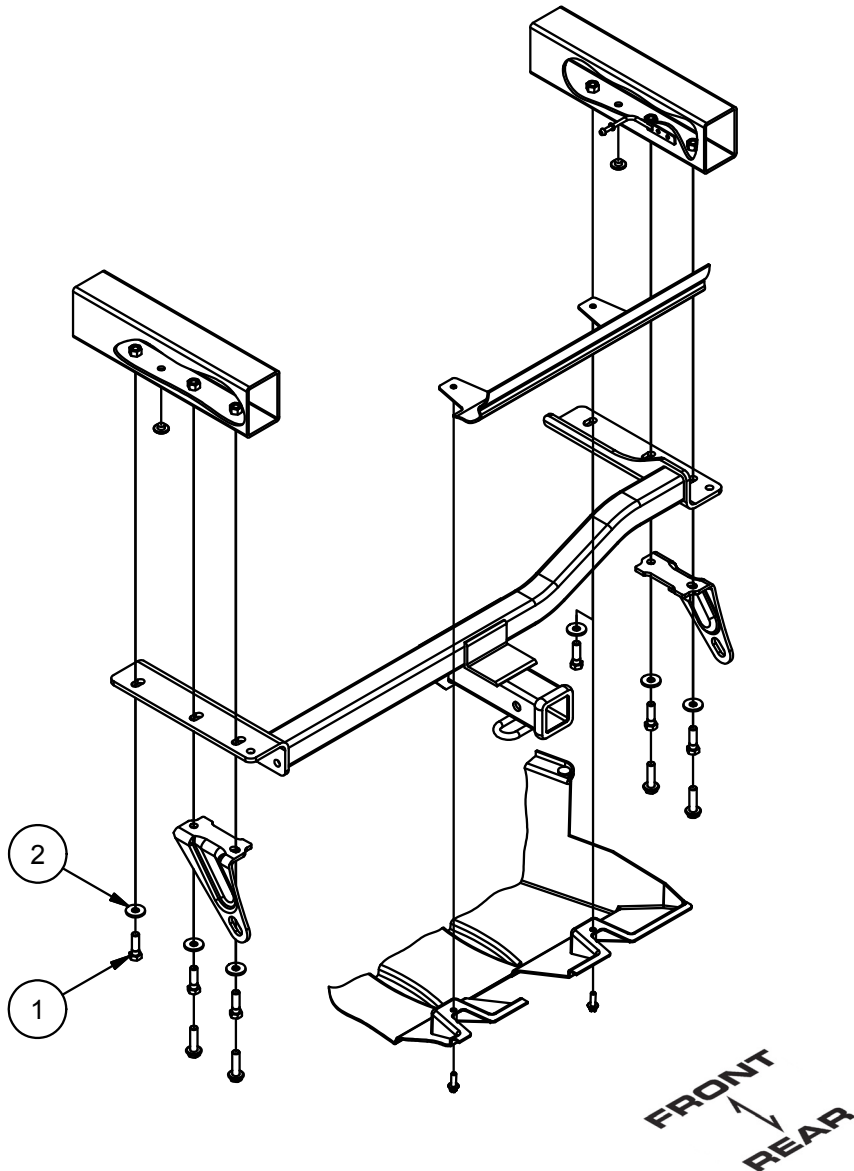
**PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND**

CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing LLC. may repair or replace the product at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing LLC.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.

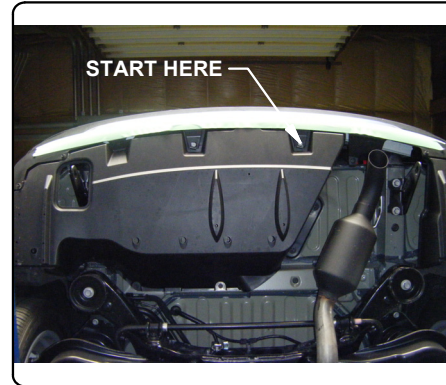
For more information log onto [www.curtmfg.com](http://www.curtmfg.com), & for helpful towing tips log onto [www.hitchinfo.com](http://www.hitchinfo.com)

## INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	M12 - 1.25 x 40 HEX	HEX BOLT
2	6	7/16"	CONICAL TOOTHED WASHER



1. Remove (13) fasteners that secure the lower fascia, using a flat blade screw driver and 10mm socket. Fastener (1) removal.



- ↓
2. Fastener (2 and 3) removal.





## INSTALLATION WALKTHROUGH:

3. Fastener (4 and 5) removal.



4. Fastener (6) removal. (First photo shows removal technique using flat blade screwdriver.)



5. Fastener (7 and 8) removal.



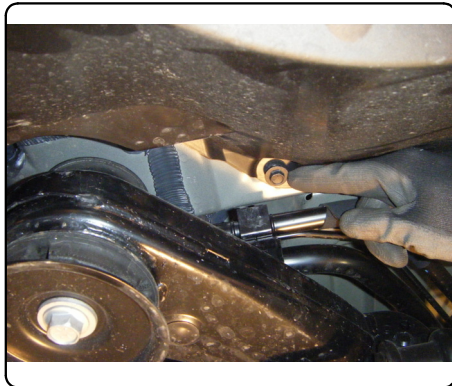
6. Fastener (9) is hidden behind wheel well trim. Pull back wheel well trim and remove plunger style fastener.





## INSTALLATION WALKTHROUGH:

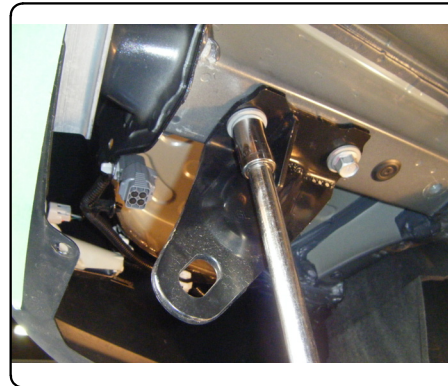
7. Fasteners (10 and 11) removal.



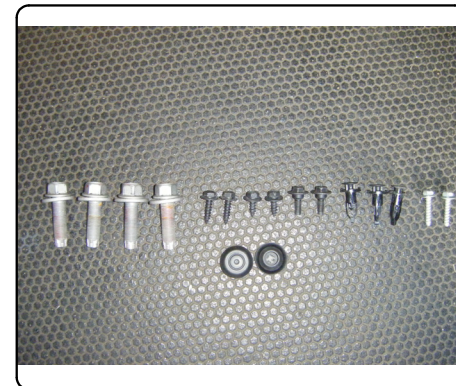
8. Fasteners (12 and 13) removal. Unscrew fasteners, you may need to pull down on plastic to pop fascia free. Remove fascia and place in a safe area. Fascia will be reinstalled in step (17).



9. Using a 17mm socket remove tow loops from the driver and passenger side frame rails.



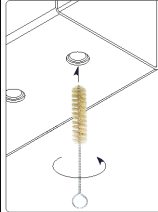
10. Remove hole plugs from the driver and passenger side frame rails. The second photo shows all the hardware that was removed.





## INSTALLATION WALKTHROUGH:

11. Clean weld nuts if necessary. Raise hitch into position starting with the passenger side plate. Pull down on the exhaust and slide the passenger side plate into position. Align holes in the frame rails with the holes in the hitch.

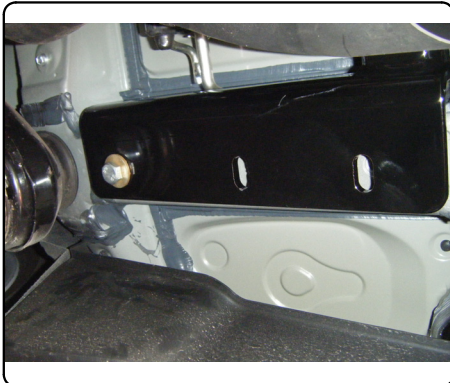


### WELDNUT CLEANING

To remove debris from weldnuts in frame, spray lubricant or compressed air into hole. For heavy debris, use a small wire brush. (Be careful not to damage threads).



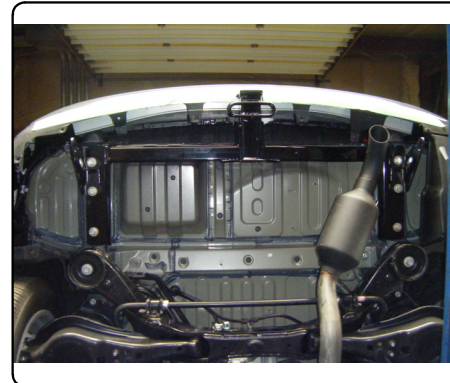
12. Secure hitch and tow loops with supplied 12mm bolts and 7/16" conical toothed washers into weldnuts. NOTE: Tow loop reattachment is optional.



13. Torque all 12mm fasteners to 86 ft-lbs.



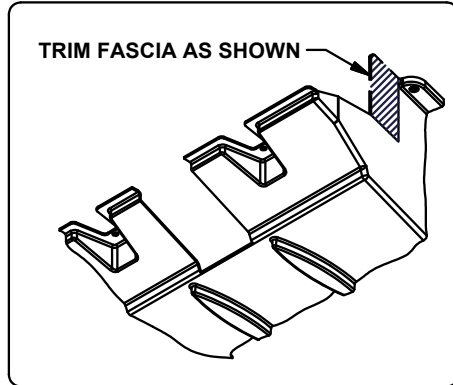
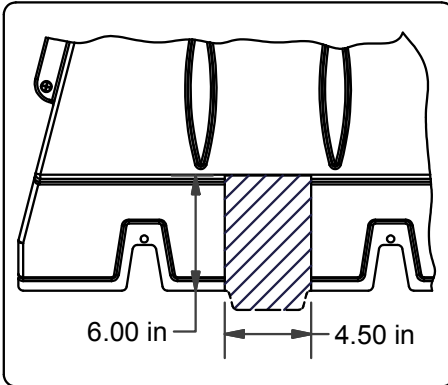
14. Installed hitch shown in proper position.



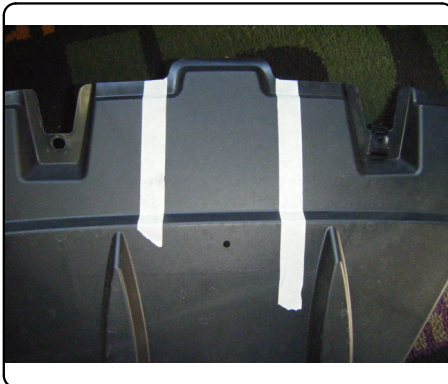
## INSTALLATION WALKTHROUGH:

15. Fascia trim details.

NOTE: Consult vehicle owner prior to trimming.



16. Using masking tape, layout the area to be trimmed, as shown. Use a rotary tool (or aviation shears) to trim the fascia.



17. Raise fascia back into position, check for proper fit and clearance. If fascia doesn't fit properly trim and try again. Reattach fascia using existing hardware removed earlier. Return all unused hardware to vehicle owner.



18. Completed hitch installation shown.





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LEXUS RX 350 & RX 450H

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 4,000 LBS. TRAILER WEIGHT & 600 LBS. TONGUE WEIGHT.  
 GROSS LOAD CAPACITY WHEN USED AS A WEIGHT DISTRIBUTION HITCH: 5,000 LBS. TRAILER WEIGHT & 600 LBS. TONGUE WEIGHT  
**\*\*\*DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY.\*\*\***

HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	M12 - 1.25 x 40 HEX	HEX BOLT
2	6	7/16"	CONICAL TOOTHED WASHER

**RUBBER ISOLATOR REMOVAL DIAGRAM**

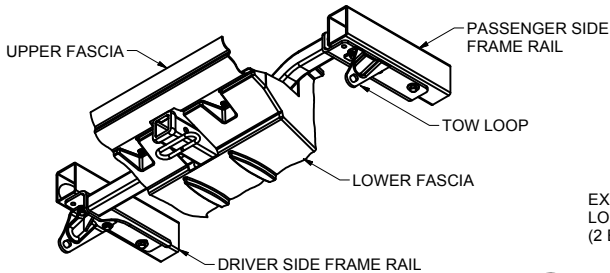
This technique can be used if an Exhaust Hanger Removal Pliers is not available.

Using a 5/8" open end wrench, slide the wrench up to the rubber isolator, cradling the hanger rod as shown. Next place the flat edge of a pry bar between the wrench and the hanger stop or hanger rod. Then simply rotate the pry bar toward the wrench to remove the rubber isolator.

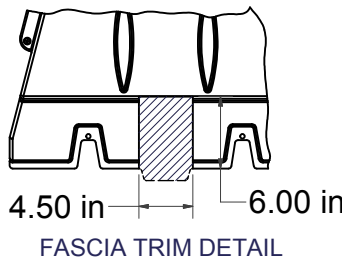
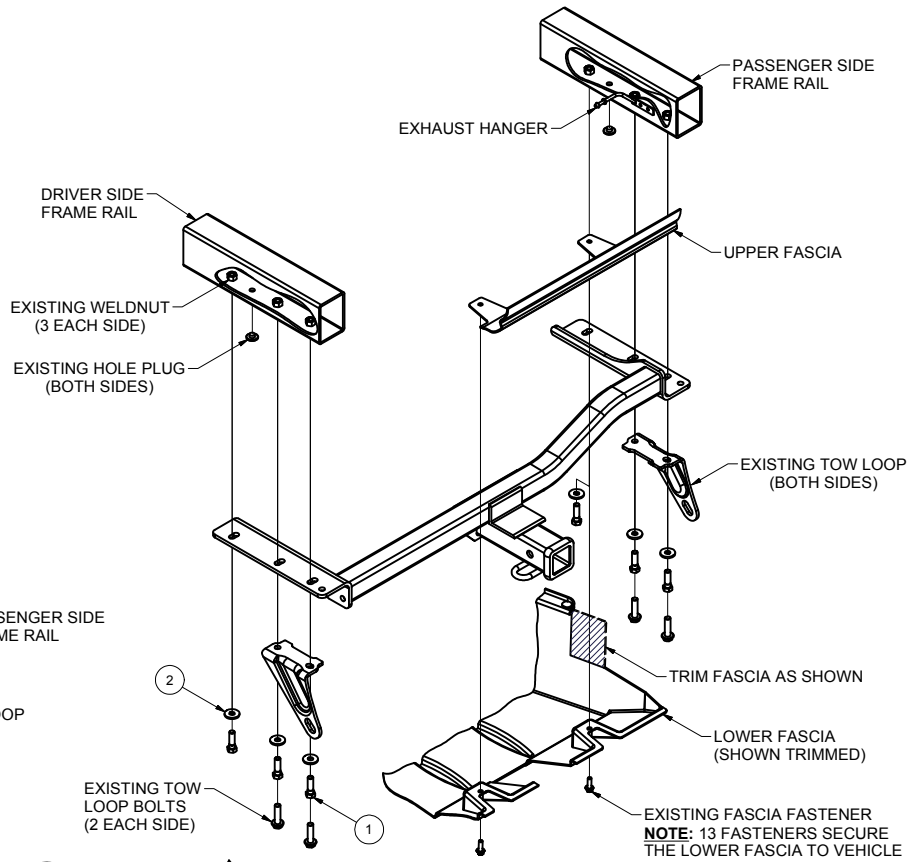
Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.

**WELDNUT CLEANING**

To remove debris from weldnuts in frame, spray lubricant or compressed air into hole. For heavy debris, use a small wire brush. (Be careful not to damage threads).



HITCH SHOWN IN PROPER POSITION



**HITCH WEIGHT:** 38 LBS.  
**INSTALL TIME**  
 PROFESSIONAL: 30 MINUTES  
 NOVICE (DIY): 60 MINUTES  
**INSTALL NOTES:**  
 - LOWER EXHAUST  
 - FASCIA TRIMMING REQUIRED  
 - NO DRILLING REQUIRED

TOOLS REQUIRED
RATCHET
TORQUE WRENCH
9" SOCKET EXTENSION
10mm SOCKET
17mm SOCKET
19mm SOCKET
SCREW DRIVER
AVIATION SHEARS

**INSTALLATION STEPS**

**NOTE:** Tow loop rettachment is optional.

1. Remove lower fascia. **NOTE:** 13 fasteners secure the lower fascia to vehicle.
2. Lower exhaust if needed for ease of installation. Support exhaust as needed to prevent damage.
3. Remove existing hole plugs from frame rails as shown.
4. Remove existing tow loop fasteners and tow loops. Retain tow loops they will be reattached, return fasteners to owner.
5. Raise hitch and tow loops into position by aligning with existing weldnuts in frame.  
**NOTE: Hitch will be sandwiched between tow loops and frame rails.**
6. Secure hitch and tow loops with 12mm bolts and 7/16" conical toothed washers into existing weldnuts.
7. Torque all 12mm fasteners to 86 ft-lbs.
8. Reinstall exhaust
9. Trim lower fascia and reattach. (SEE FASCIA TRIM DETAIL)

**PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.**

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