

TRX Free-Standing Rack

Overview

This document explains how to assemble the TRX Free-Standing Rack (Fig 1) and attach the TRX (purchased separately) to the rack.

The TRX Free-Standing Rack is compatible with the Rinnai indoor TRX TRX02CUiN model (purchased separately) (Fig 2).

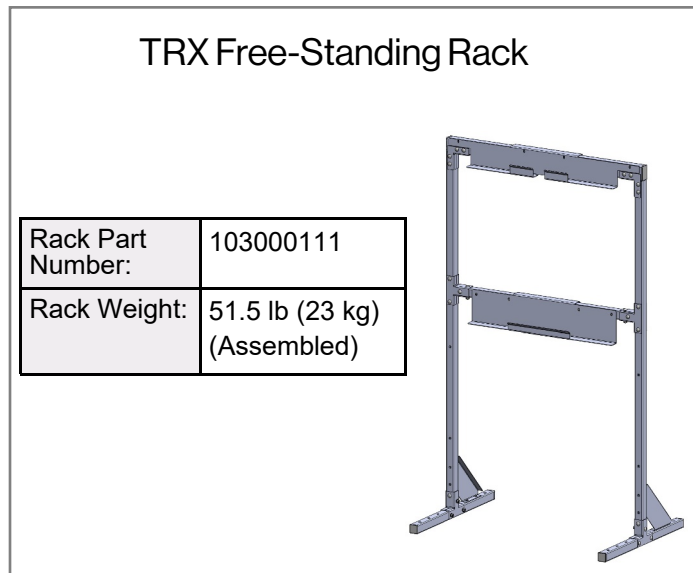


Fig 1. TRX Free-Standing Rack

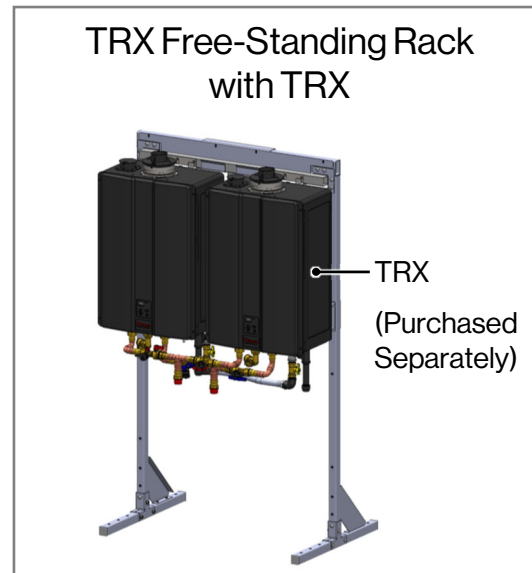


Fig 2. TRX Free-Standing Rack with TRX

You Will Need

Supplied:

- Contents inside rack product box (contents listed in next section: “Items Inside Product Box”).

Field-Supplied:

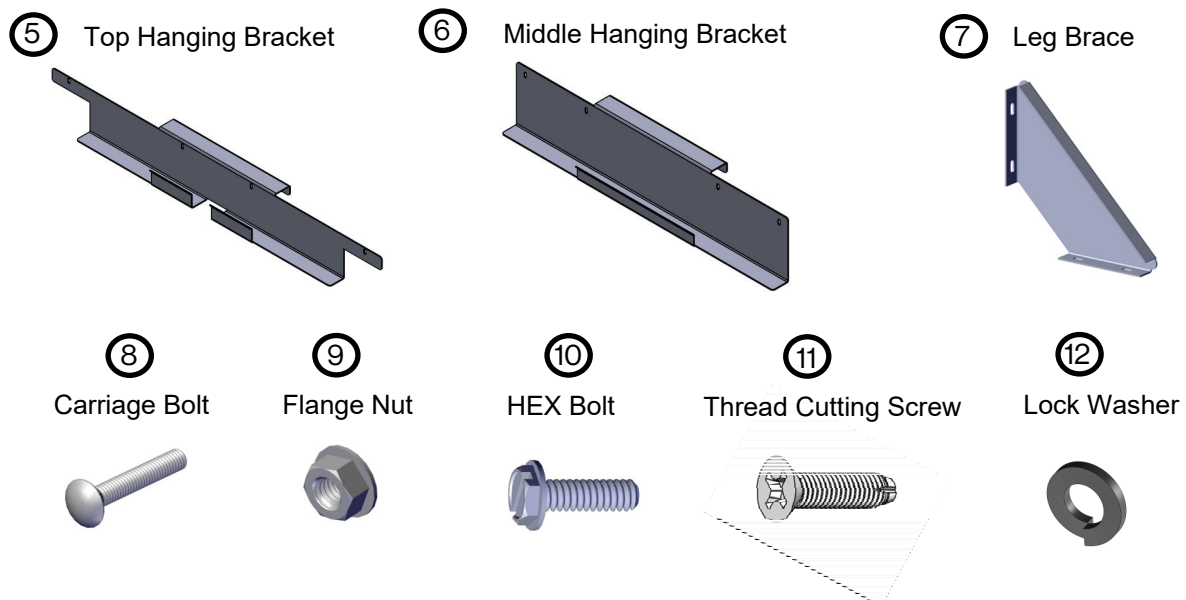
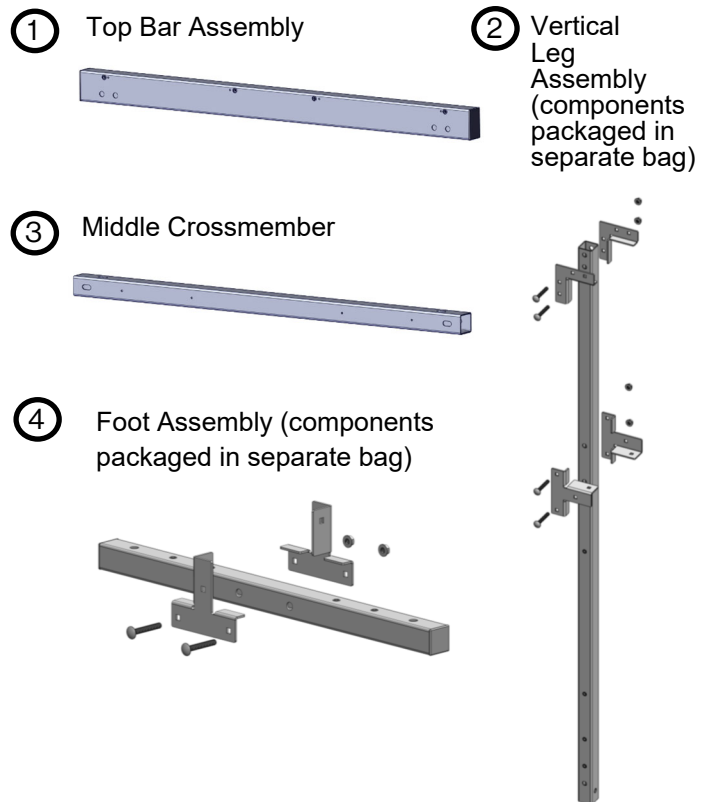
- Rinnai TRX (purchased separately) with supplied Installation and Operation Manual.
- Screwdriver, nut driver or wrench for use with screws and bolts listed in the next section: “Items Inside Product Box.”
- *(Recommended)* Four (4) screws/expansion anchors for anchoring rack to floor. Reference local codes for minimum concrete thickness and use appropriate expansion anchors capable of supporting the rack and TRX weight.
 - For rack weight, see Fig 1.
 - For TRX weight, refer to the Installation and Operation Manual supplied with the unit.

Items Inside Product Box

Before assembly, please make sure all parts are located inside the product box.

TRX Free-Standing Rack Contents

Item #	Item	Qty
1	Top Bar Assembly	1
2	Vertical Leg Assembly (Components Packaged in Separate Bag)	2
3	Middle Crossmember	1
4	Foot Assembly (Components Packaged in Separate Bag)	2
5	Top Hanging Bracket	1
6	Middle Hanging Bracket	1
7	Leg Brace	2
8	Carriage Bolt (5/16 in.-18 x 2-1/4)	24
9	Flange Nut (5/16 in.-18)	12
10	HEX Bolt (#10-24 x 5/8 in.)	24
11	Thread Cutting Screw (#10-24 x 3/4 in.)	4
12	Lock Washer	24



Assembly Instructions

Follow the instructions below to assemble the TRX Free-Standing Rack.

1. Assemble the foot assembly (components packaged in separate bag). When complete, set foot assembly aside until step #3.
 - Attach one (1) Tee Bracket to each side of the foot assembly bar and secure with two (2) Carriage Bolts and (2) Flange Nuts (Fig 3).

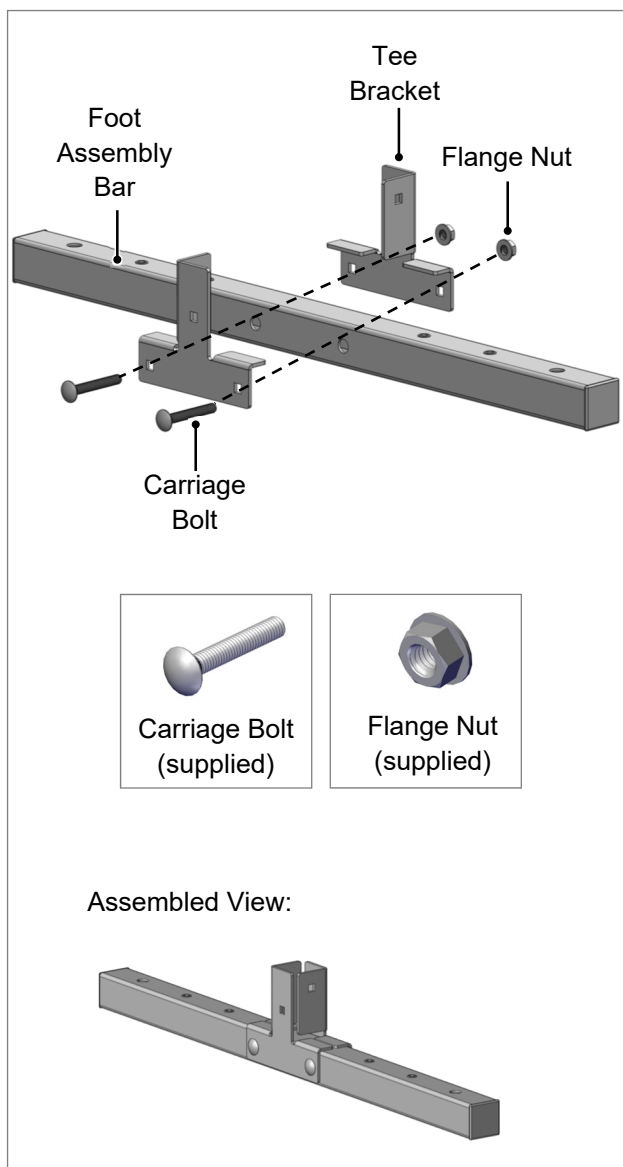


Fig 3. Foot Assembly

2. Assemble the vertical leg assembly (components packaged in separate bag). When complete, set leg assembly aside until step #3.
 - Position the vertical leg with the top end facing up. The top end has holes on the front and back sides only. The bottom end has an additional hole on the left and right sides (see "A" in Fig 4).
 - Attach two (2) L-Brackets to the top of the leg (one on each side) and secure with two (2) Carriage Bolts and two (2) Flange Nuts (see "B" in Fig 4).
 - Attach two (2) Tee Brackets to the middle of the leg (one on each side) and secure with two (2) Carriage Bolts and two (2) Flange Nuts (see "C" in Fig 4).
 - Follow the above steps for the other vertical leg assembly.

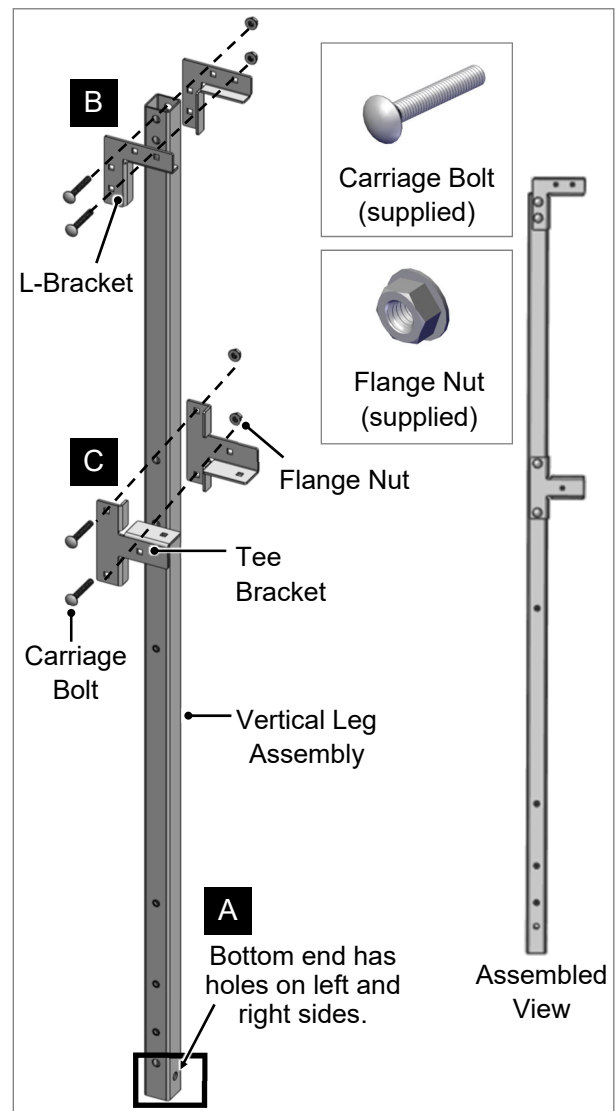


Fig 4. Vertical Leg Assembly

3. Insert the Vertical Leg Assembly into the Foot Assembly and secure with two (2) Carriage Bolts, two (2) Flange Nuts, and two (2) lock washers (Fig 5). Repeat this step on the other side.

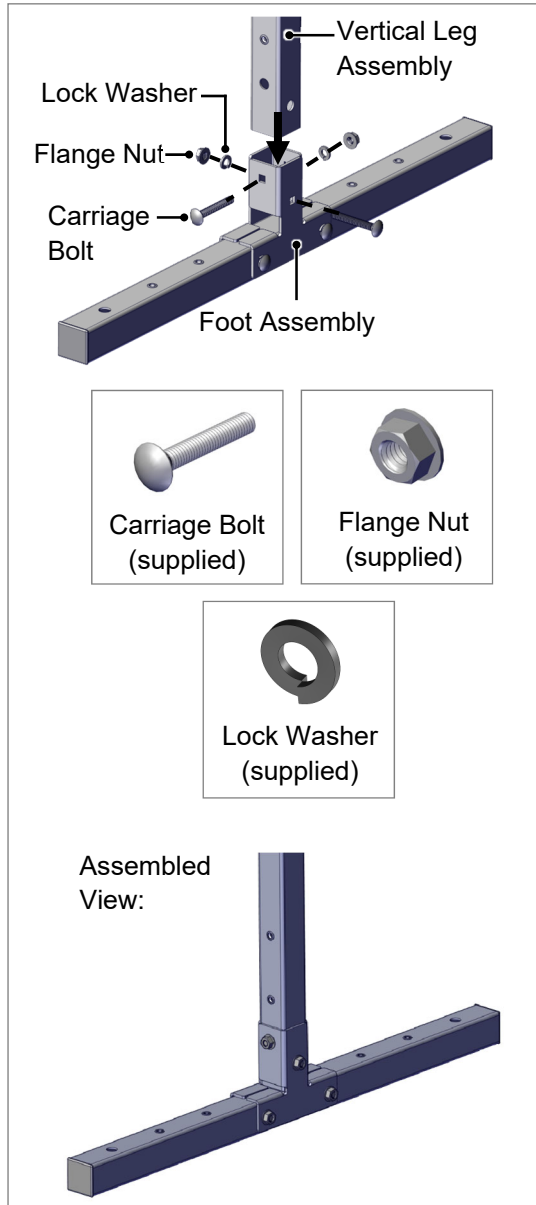


Fig 5. Insert Vertical Leg Assembly into Foot Assembly

4. Attach one Leg Brace to the Vertical Leg Assembly/Foot Assembly with four (4) Hex Bolts (Fig 6). Repeat this step on the other side.

The Leg Brace can attach to the front or back of the assembly.

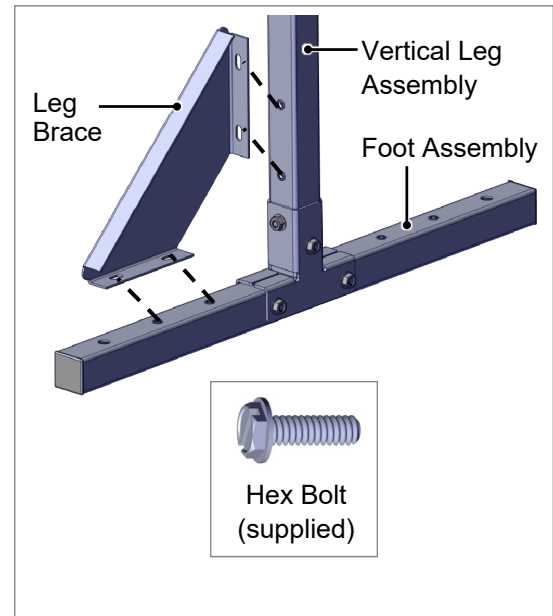


Fig 6. Attach Leg Brace

5. Attach the Middle Crossmember to the Vertical Leg Assemblies with four (4) Carriage Bolts, four (4) Flange Nuts, and four (4) lock washers (Fig 7).

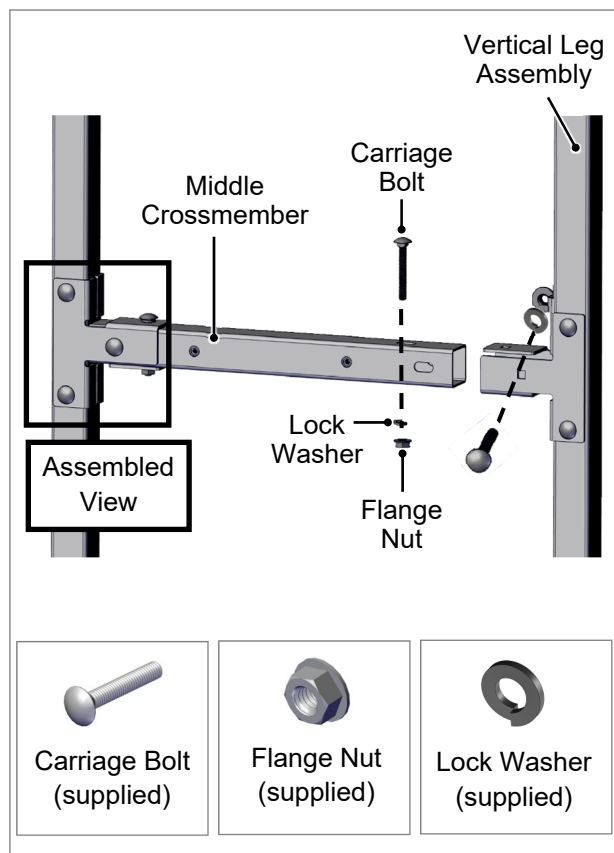


Fig 7. Attach Middle Crossmember to Vertical Leg Assemblies

6. Attach the Top Bar Assembly to the Vertical Leg Assemblies with four (4) Carriage Bolts, four (4) Flange Nuts, and four (4) lock washers (Fig 8).

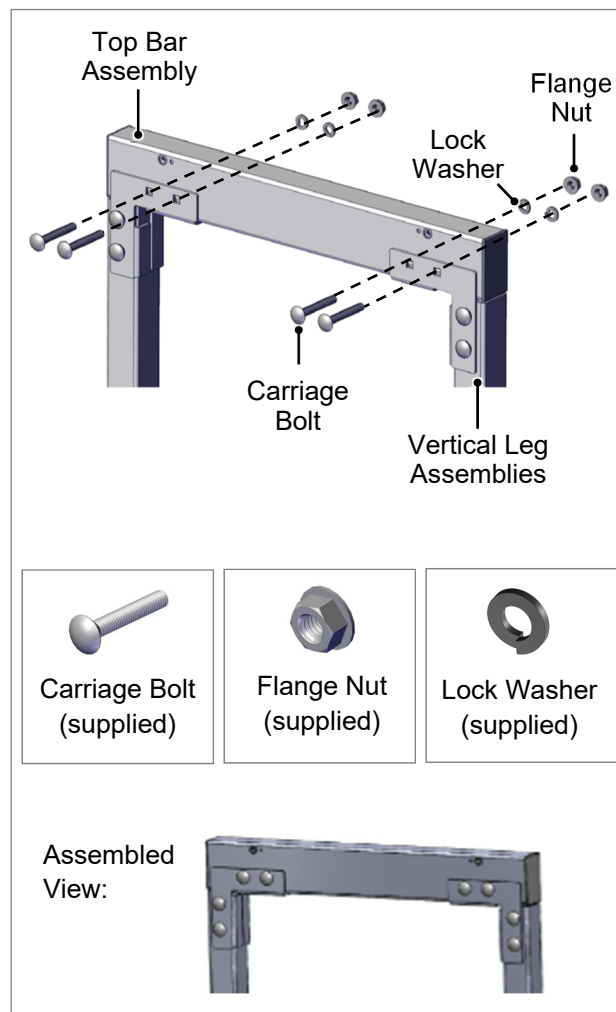


Fig 8. Attach Top Bar Assembly to Vertical Leg Assemblies

7. (Recommended) Install four (4) screws and/or expansion anchors (field-supplied) through the base of the legs to prevent tipping potential (Fig 9).

CAUTION

Reference local codes regarding minimum concrete thickness and use appropriate expansion anchors that are capable of supporting the rack and TRX weight.

- For rack weight, see Fig 1.
- For TRX weight, refer to the Installation and Operation Manual supplied with the unit.

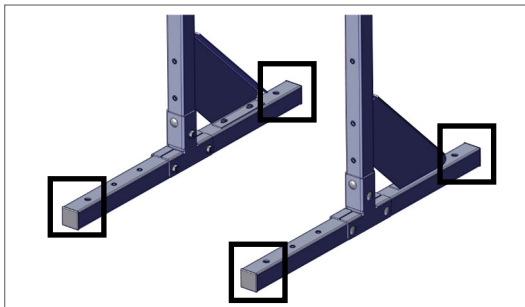


Fig 9. Install Screws/Anchors Through Rack Base

8. Attach the Top Hanging Bracket to the Top Bar Assembly using four (4) Hex Bolts (Fig 10).

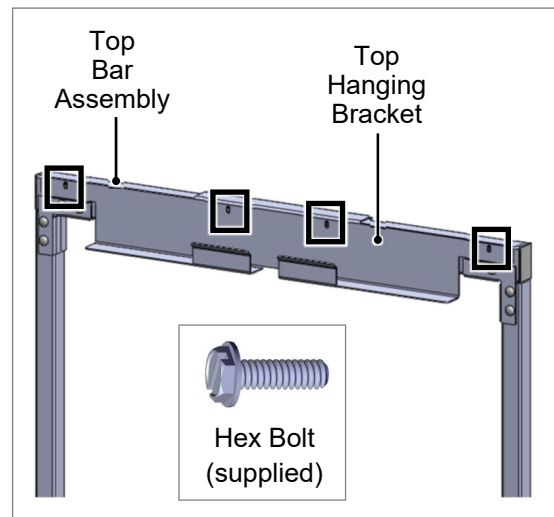


Fig 10. Attach the Top Hanging Bracket

9. Attach the Middle Hanging Bracket to the Middle Cross Bar Assembly using four (4) Thread Cutting Screws (Fig 11).

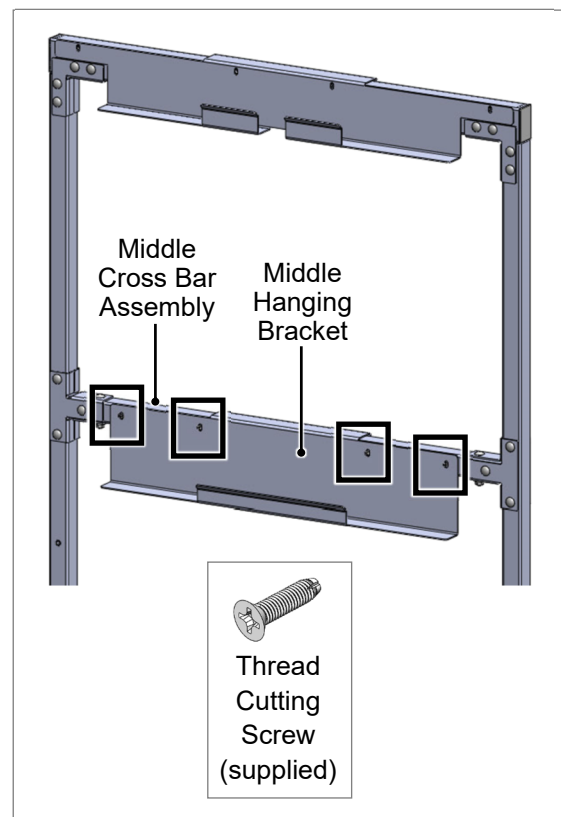


Fig 11. Attach the Middle Hanging Bracket

10. Lift the TRX assembly and place into the Top and Middle Hanging Brackets (Fig 12).

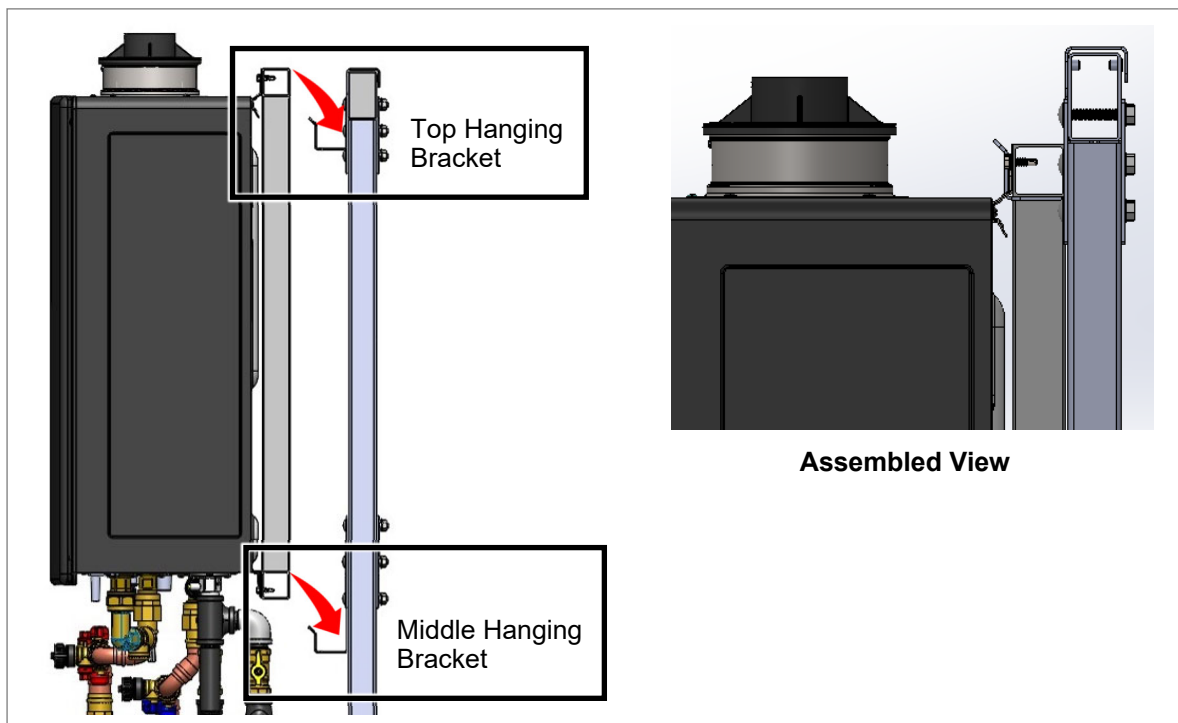


Fig 12. Hang TRX onto Rack

NOTE →

The Vertical Leg Assemblies contain rivet nuts (#10-24 thread) on both sides of the rack to allow for installation of field-supplied unistruts (Fig 13). Unistruts allow plumbing components or accessories to be mounted on the rack.

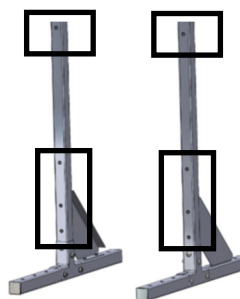


Fig 13. Rivet Nuts on Vertical Leg Assemblies

Rack assembly is complete (Fig 14).

To continue with installation of the TRX (such as connecting the water, gas or power supply), refer to the Installation and Operation Manual supplied with the unit.

If You Need Service

Contact Rinnai Customer Care at: 1-800-621-9419.

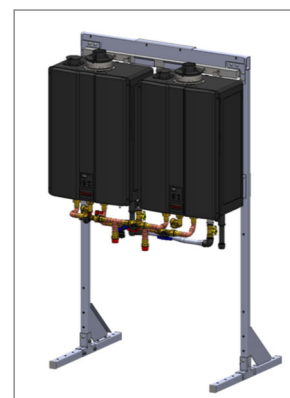


Fig 14. Completed Rack Assembly

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