



WT5 Series Water Trailer

Internal Tank Support Kit Installation

The following instructions are intended to assist the user with the installation of the Internal Tank Support Kit on a Multiquip WT5C, WTE5C, WT5HP, or WTE5HP Water Trailer. It is not intended to take the place of the Operation manual shipped with the water trailer. Refer to the Operation manual for safety, operation, and maintenance information. Please read all assembly instructions before installing the kit.

REQUIRED TOOLS

- Impact driver
- 3/8" Hex socket
- Wrench
- Drill with 5/16" bit
- Flashlight (optional)

PARTS

Verify that all parts are accounted for. See Table 1 and Figure 1.

| Table 1. Internal Tank Support Kit Components | | | | |
|---|----------|--|------|--------------------|
| Item No. | Part No. | Description | Qty. | Remarks |
| 1 | 59766-SK | Kit, Internal Tank Support, WT5 Series | 1 | Includes items 2-8 |
| 2 | 59766 | Assy., Internal Tank Support, 500 Gal. | 1 | Includes items 3-7 |
| 3 | 59669 | Support, WT5 Tank | 2 | |
| 4 | 11534 | Nut, "U" Type, 1/4-20 | 2 | |
| 5 | 52110 | Screw, HHFS, 1/4-20 × 3, Gr. 5 | 4 | |
| 6 | 49070 | Nut, HFS, 1/4-20 | 2 | |
| 7 | 59668 | Bracket, Tank Support | 2 | |
| 8 | 59789 | Instructions, Internal Tank Support Installation, WT5 Series | 1 | |

NOTICE

The Internal Tank Support Kit is for use only with a model WT5C, WTE5C, WT5HP, or WTE5HP water trailer containing the water tank (P/N 49769) shown in Figure 2.

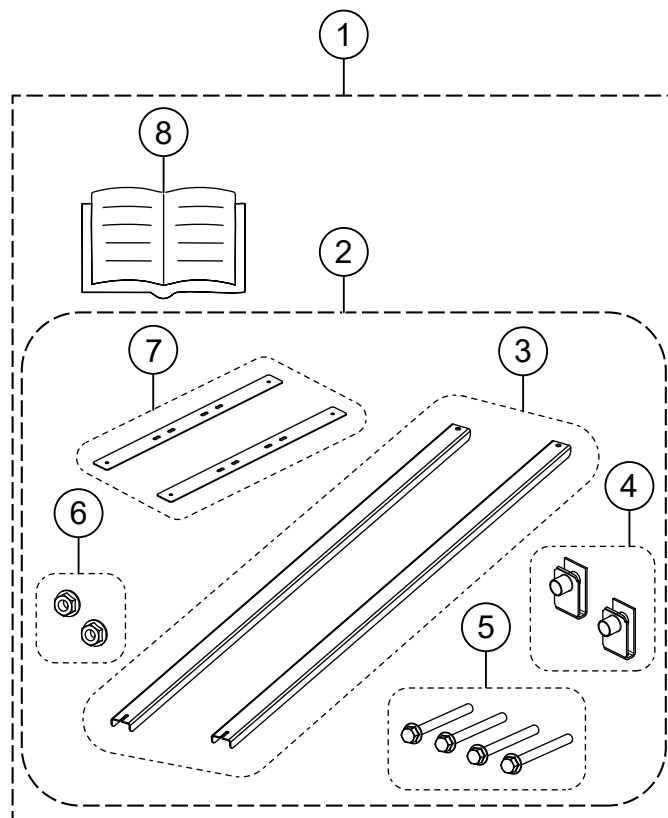


Figure 1. Internal Tank Support Kit Components

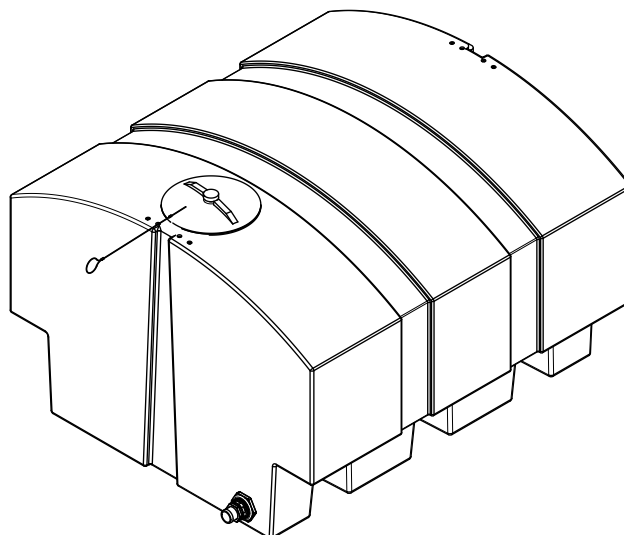


Figure 2. Water Tank P/N 49769

WORK SAFELY!

Only a **qualified service technician** with proper training should perform this installation. Follow all shop safety rules when performing this installation.

CAUTION

Improper installation of this kit may result in damage to the equipment or cause equipment to malfunction. Carefully follow the procedures outlined in these service instructions.

PREPARATION

1. Make sure the water trailer is turned **OFF** and the engine is cool.
2. Place the water trailer on secure, level ground in an area that is free of dirt and debris.
3. Drain the water tank.

TANK SUPPORT BRACKETS INSTALLATION

1. Remove the **four 1/4-20 × 1-1/4 hex flange screws** (Figure 3) securing the **fill riser support bracket** to the **water tank**. Leave the **four 1/4-20 blind nuts** (Figure 4) in place. Save the screws for re-use later in the procedure.

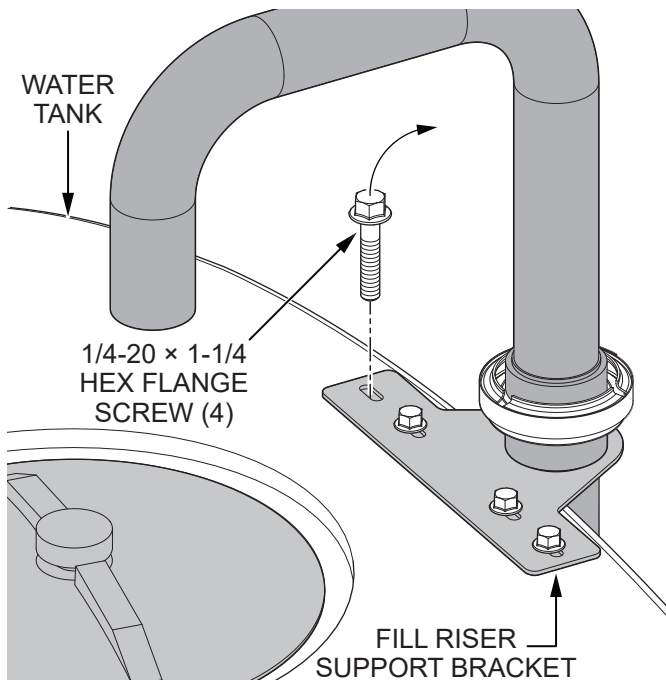


Figure 3. Remove Hex Flange Screws (Front Of Tank)

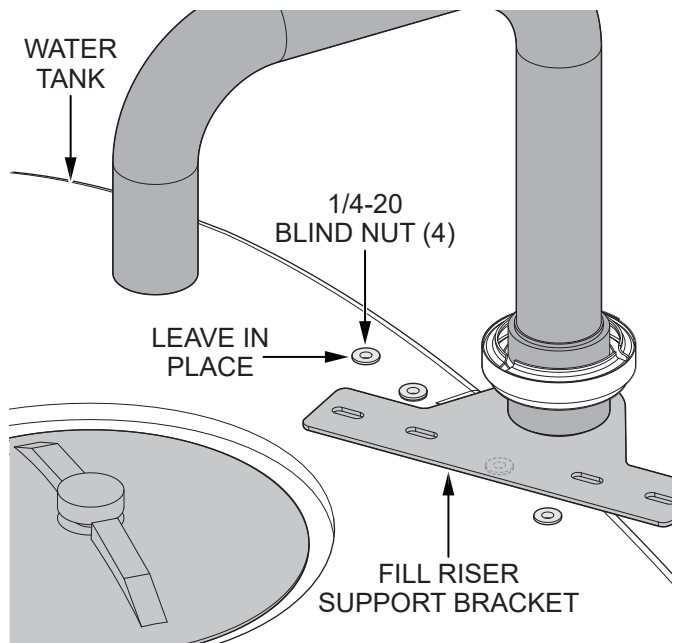


Figure 4. Fill Riser Support Bracket Blind Nuts (Leave In Place)

2. Place a **tank support bracket (P/N 59668)** onto the front end of the water tank as shown in Figure 5.
 - Make sure the four slotted holes in the center of the tank support bracket are aligned with the four slotted holes in the **fill riser support bracket** and the **four 1/4-20 blind nuts** in the water tank.
 - The fill riser support bracket should be on top of the tank support bracket as shown in Figure 5.

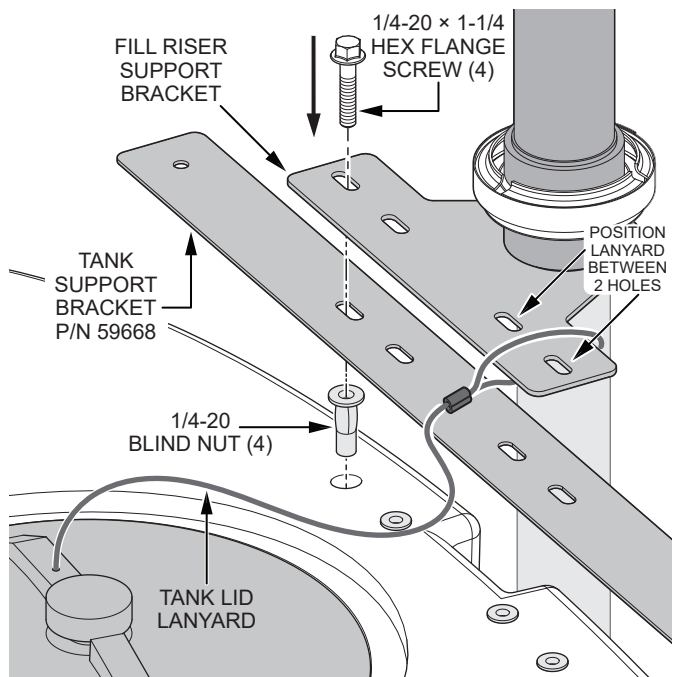


Figure 5. Install Tank Support Bracket (Front Of Tank)

3. Make sure the **tank lid lanyard** is looped around the **fill riser support bracket** as shown in Figure 5. The lanyard loop should be positioned between the two slotted holes at either end of the bracket.
4. Use the **four 1/4-20 × 1-1/4 hex flange screws** and **four 1/4-20 blind nuts** from step 1 to secure the two brackets to the water tank (Figure 5).
5. Remove the **four 1/4-20 × 1-1/4 hex flange screws** (Figure 6) securing the **tank rear holddown bracket** to the **water tank**. Leave the **four 1/4-20 blind nuts** (Figure 7) in place. Save the screws for re-use later in the procedure.

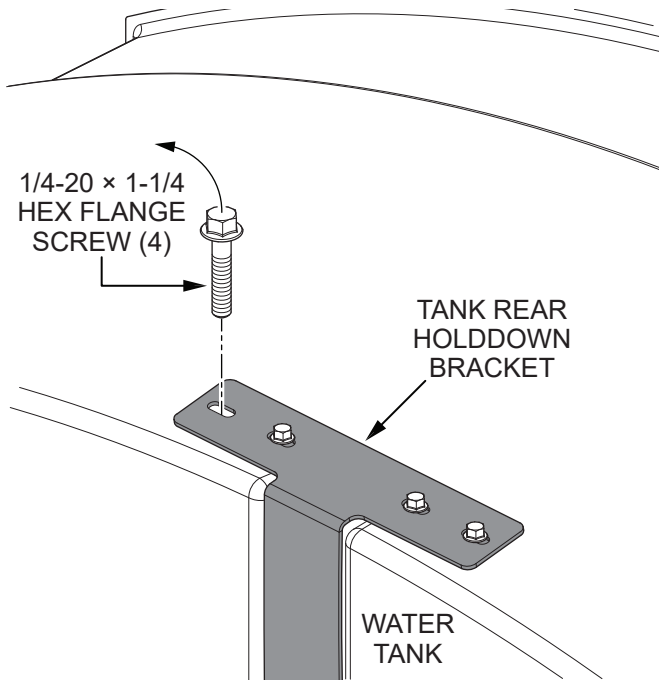


Figure 6. Remove Hex Flange Screws (Rear Of Tank)

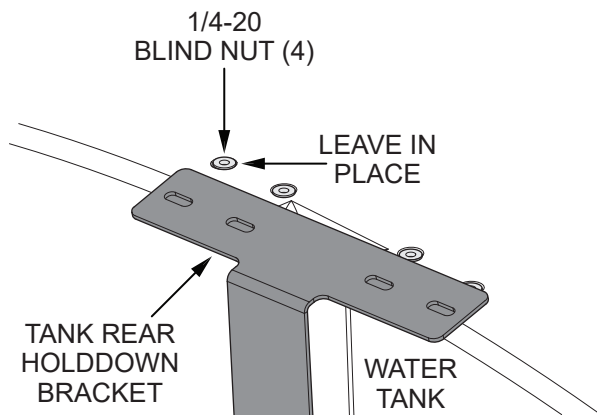


Figure 7. Rear Holddown Bracket Blind Nuts (Leave In Place)

6. Place a **tank support bracket (P/N 59668)** onto the rear end of the water tank as shown in Figure 8.
 - Make sure the four slotted holes in the center of the tank support bracket are aligned with the four slotted holes in the **tank rear holddown bracket** and the **four 1/4-20 blind nuts** in the water tank.
 - The tank rear holddown bracket should be on top of the tank support bracket as shown in Figure 8.

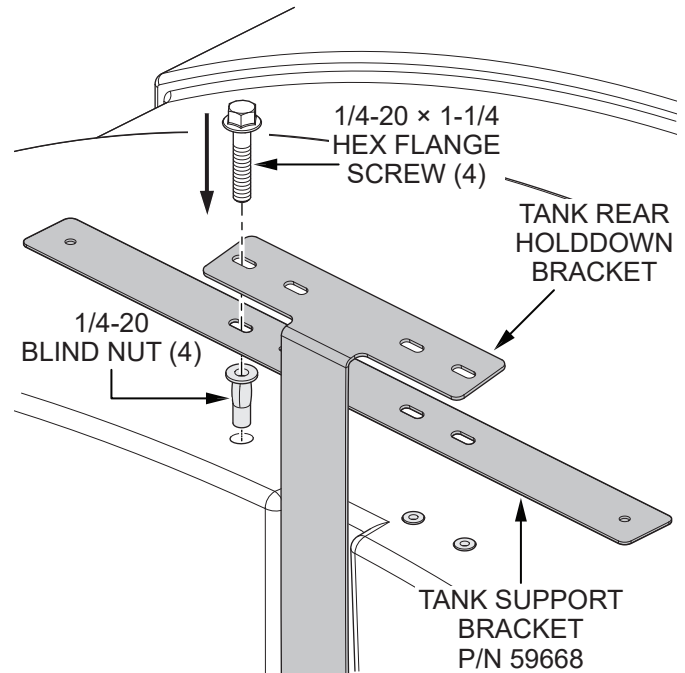


Figure 8. Install Tank Support Bracket (Rear Of Tank)

7. Use the **four 1/4-20 × 1-1/4 hex flange screws** and **four 1/4-20 blind nuts** from step 5 to secure the two brackets to the water tank (Figure 8).

DRILLING

1. Slightly bend one of the **tank support brackets (P/N 59668)** until the ends of the bracket are in full contact with the water tank, while keeping the bracket as parallel to the edge of the water tank as possible. Mark the locations of the two outer holes on the water tank. See Figure 9.

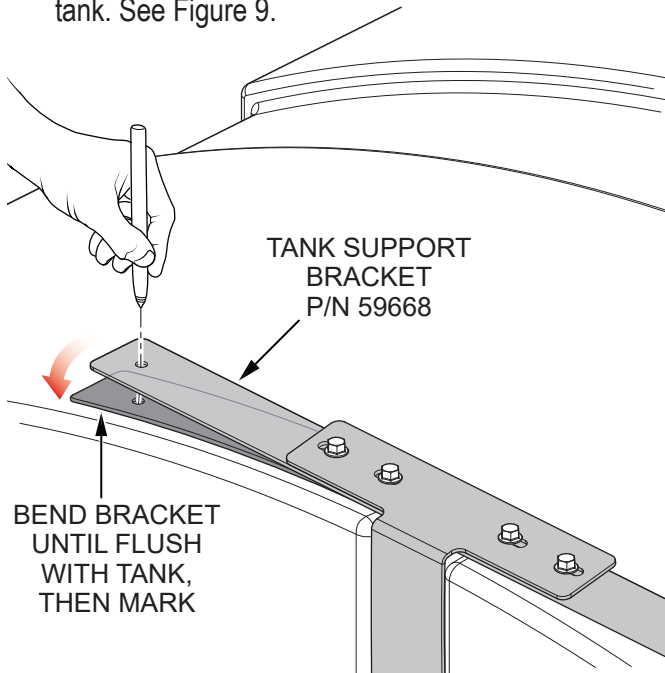


Figure 9. Mark New Hole Locations

2. Using a 5/16" drill bit, drill a hole into the water tank at each of the marked locations (Figure 10).

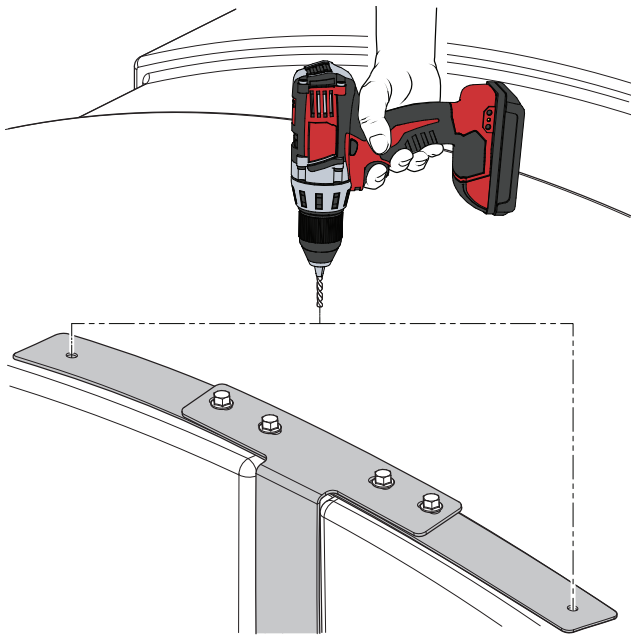


Figure 10. Drill New Holes

3. Repeat steps 1–2 for the other tank support bracket (P/N 59668) on the opposite end of the water tank.

TANK SUPPORTS INSTALLATION

1. Insert a **1/4-20 × 3 hex head flange screw (P/N 52110)** into the water tank through one of the new bracket holes at the rear end of the tank. See Figure 11.

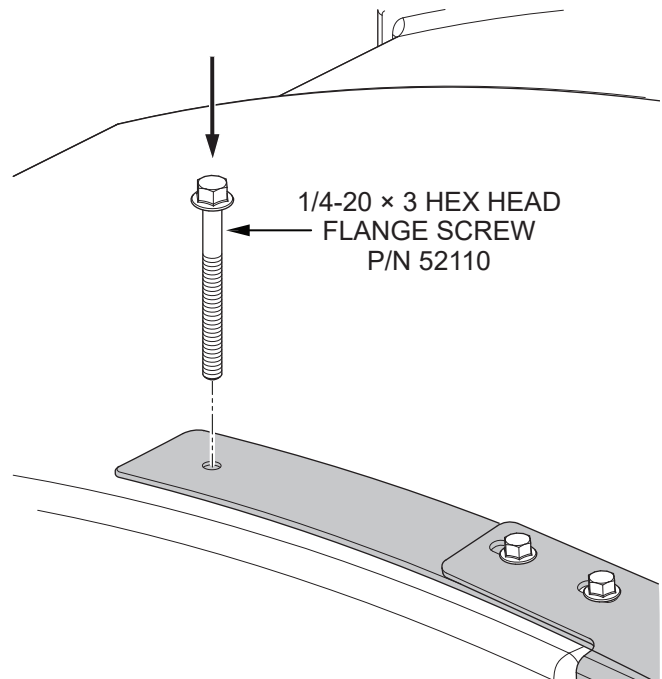


Figure 11. Insert Screw Into Water Tank (Rear)

2. Fasten a **clip-on 1/4-20 U-nut (P/N 11534)** to the non-slotted hole at the end of a **tank support (P/N 59669)** as shown in Figure 12.

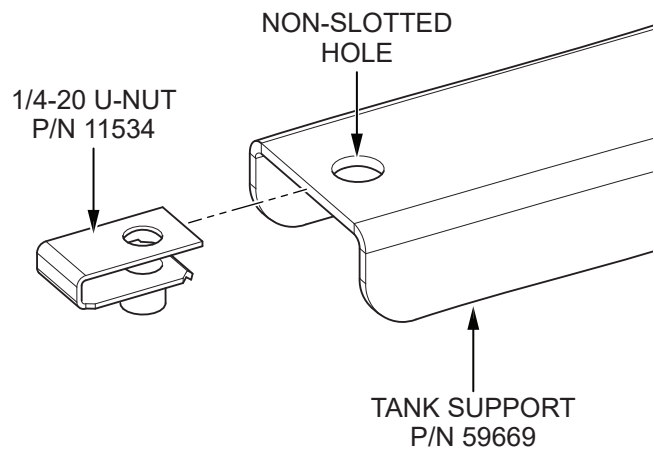


Figure 12. Fasten U-Nut To Tank Support

- Remove the tank lid and place the end of the **tank support (P/N 59669)** with the **1/4-20 U-nut (P/N 11534)** on it through the tank opening (Figure 13). Guide the U-nut end of the tank support towards the rear of the tank.

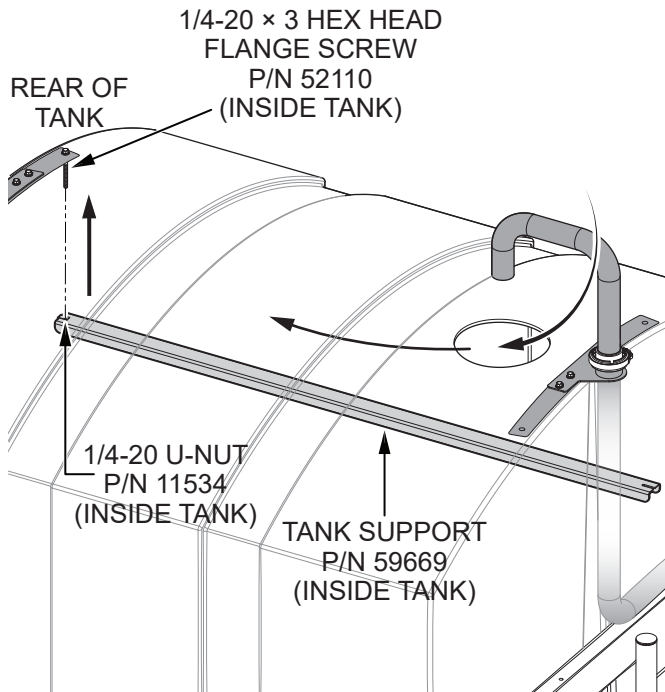


Figure 13. Guide Tank Support Into Tank And Align U-Nut With Screw

- Lift the end of the **tank support (P/N 59669)** and align the **1/4-20 U-nut (P/N 11534)** with the **1/4-20 x 3 hex head flange screw (P/N 52110)** that was inserted during step 1. See Figure 13. Assistance may be required to help guide the tank support. Shining a flashlight through the tank may help with locating the hardware.

- Using a 3/8" hex socket, partially tighten the **1/4-20 x 3 hex head flange screw (P/N 52110)** into the **1/4-20 U-nut (P/N 11534)** until the **tank support bracket (P/N 59668)** and **tank support (P/N 59669)** are held in place. **DO NOT** fully tighten these components at this time. See Figure 14.

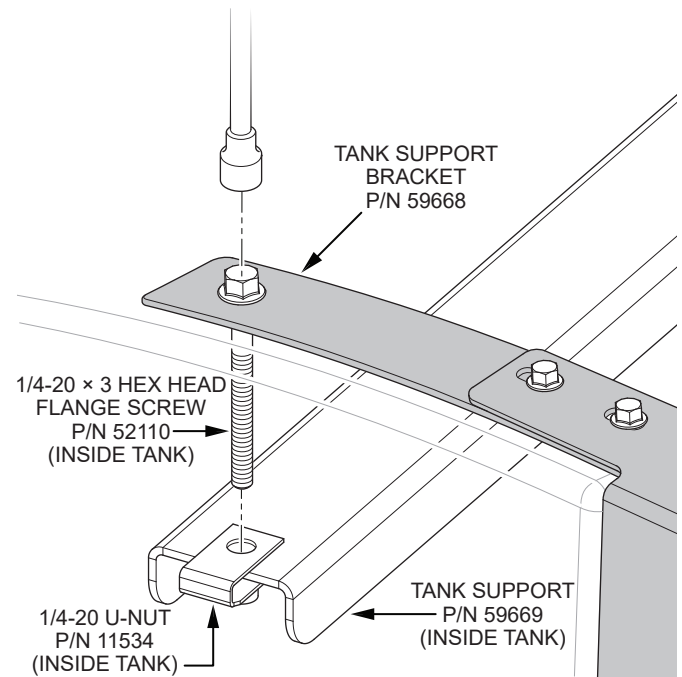


Figure 14. Install Tank Support (Rear)

- Insert a **1/4-20 x 3 hex head flange screw (P/N 52110)** into the water tank through the new bracket hole at the front end of the tank as shown in Figure 15.

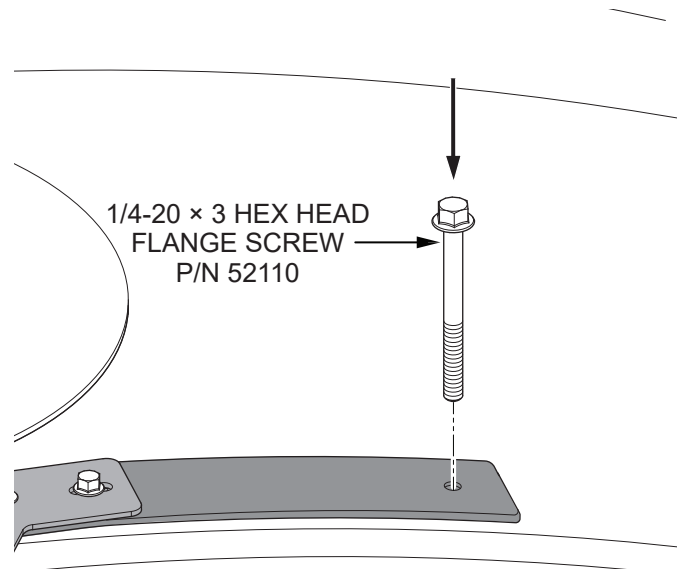


Figure 15. Insert Screw Into Water Tank (Front)

7. Maneuver the slotted end of the **tank support (P/N 59669)** so that the **1/4-20 × 3 hex head flange screw (P/N 52110)** that was inserted into the tank during the previous step is aligned inside the slot. See Figure 16.

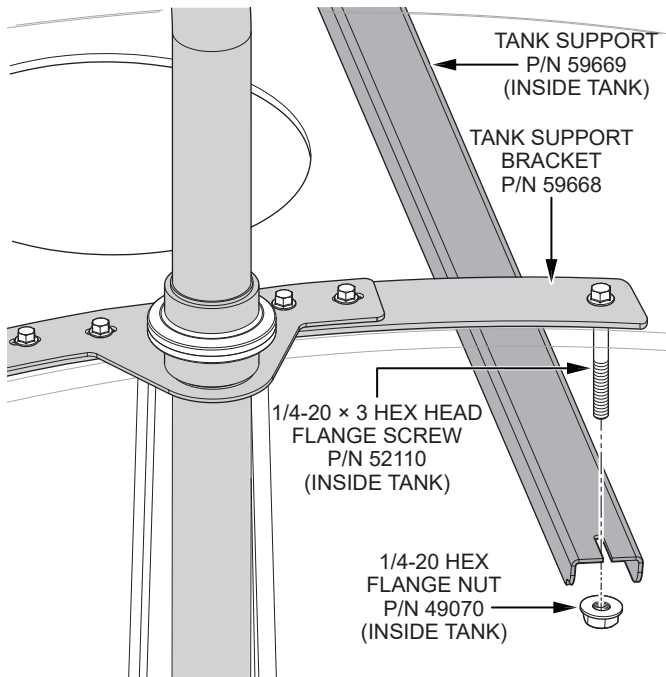


Figure 16. Secure Tank Support (Front)

8. Finger tighten a **1/4-20 hex flange nut (P/N 49070)** onto the **1/4-20 × 3 hex head flange screw (P/N 52110)**, then use a wrench and impact driver to partially tighten the nut and screw until the **tank support bracket (P/N 59668)** and **tank support (P/N 59669)** are held in place. **DO NOT** fully tighten these components at this time. See Figure 16.
9. Fully tighten the components from step 5 (Figure 14) until the **tank support bracket (P/N 59668)** and **tank support (P/N 59669)** are fastened securely to the rear of the water tank.
10. Fully tighten the components from step 8 (Figure 16) until the **tank support bracket (P/N 59668)** and **tank support (P/N 59669)** are fastened securely to the front of the water tank.
11. Repeat steps 1–10 to install the remaining tank support (P/N 59669) on the opposite side of the water tank.
12. Verify that the tank supports (P/N 59669) and tank support brackets (P/N 59668) are attached correctly. Tighten all hardware as necessary so that the assembly is secure and the components do not move.

HERE'S HOW TO GET HELP

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