Service Bulletin
WT5C/WTE5C/WT5CSG Series Water Trailers

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<td>Water Trailer</td>
<td>04/26/17</td>
<td>WT20170209</td>
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**Bulletin Type**

- [x] Mandatory
- [ ] Information Only
- [ ] Recommended Change

**Models/Series Affected:**

W5TC
S/N 30509 — 40868

WTE5C
S/N 32308 — 40311

WT5CSG
S/N 38609 — 40378

**Details**

**Problem:**

a. Improve existing trailer design.

**Solution:**

a. Install trailer reinforcement brace.

**Parts Information**

**Table 1. Reinforcement Kit Parts**

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<th>Item No.</th>
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<td>59182-SK</td>
<td>Brace Kit, Tow Bar</td>
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<td>2</td>
<td>59182</td>
<td>Brace, Hitch Mount</td>
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<td>3</td>
<td>59183</td>
<td>Instruction Sheet, WT5 Series</td>
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**Figure 1. Brace Kit, Tow Bar**
WORK SAFELY!

**NOTICE**
If hitch mount brace is already installed on your trailer frame, please disregard this bulletin.

**NOTICE**
Failure to repair may compromise structural integrity of the trailer frame when unintentionally overloaded.

**NOTICE**
Only use a certified welder with proper training who is qualified to perform this installation. Follow all shop safety rules when performing this installation.

REQUIRED TOOLS

- Welder
- Bar-Clamp
- Approved Respirator
- Welding Face Shield
- Safety Glasses
- Gloves
- Hard Hat
- Grinder
- Black Glossy Paint

SAFETY

- Perform all work in an area that is well ventilated to prevent inhalation of dust and toxic fumes.
- **DO NOT** use chlorinated solvents in areas where welding will take place.
- **ALWAYS** properly dispose of paint and solvents.

PREPARATION

1. Check that the hitch mount brace is accounted for before attempting this installation procedure. Reference Table 1 and Figure 1.
2. Place the water trailer in an area free of dirt and debris. Make sure it is on secure level ground with chock blocks underneath each wheel to prevent the trailer from rolling.

DECAL REMOVAL

**NOTICE**
Due to excessive heat during welding, the possibility exist that the VIN and tire pressure decals may become damaged during the welding process.

**NOTICE**
Failure to repair may compromise structural integrity of the trailer frame when unintentionally overloaded.

**NOTICE**
Only use a certified welder with proper training who is qualified to perform this installation. Follow all shop safety rules when performing this installation.

1. Record the entire VIN identification number displayed on the VIN decal. Also record the last five digits of the VIN number that is stamped into the trailer frame (Figure 2).

   ![REMOVAL VIN AND TIRE PRESSURE DECALS](image)

   **Figure 2. VIN/Tire Pressure Decal Removal**

2. Remove the VIN and tire pressure decals as shown in Figure 2.

   ![REPLACE VIN AND TIRE PRESSURE DECALS](image)
PROCEDURE

1. Using a grinder (Figure 3), remove paint from area to be heated during welding.

   **NOTICE**
   Failure to properly remove the Powder Coat prior to welding may cause *excessive porosity* in the welds.

   **CAUTION**
   If the paint cannot be removed, wear an approved respirator before heating or welding to prevent inhalation of hazardous material.

2. Locate the A-frame cavity area (Figure 4) under the tongue side on the trailer frame.

3. Next, slide hitch mount brace (P/N 59182) into the cavity area on the trailer frame as shown in Figure 4.

   **NOTICE**
   You may experience that the Hitch Mount Brace will not easily fit inside the A-Frame Cavity prior to the welding operations. Overtime, the build-up of materials inside the cavity may require you to clean and/or grind out the unwanted materials.

   Further, you may be caused to do slight grinding of the Hitch Mount Brace to allow it to slide into place within the A-Frame cavity.

4. Position the brace so that 7/16" clearance exists between the trailer frame and the rear section of the brace as shown in Figure 5.
5. Once the hitch mount brace has been correctly positioned, secure brace in place with bar clamp as shown in Figure 5.

WELDING

1. Weld hitch mount brace (Figure 6) onto trailer frame.

**NOTICE**

When performing longitudinal welds on hitch mount brace, apply 2" welds on 4" centers minimum.

2. At the completion of the welding process, remove any flux, burrs or rough edges from the welding area.

PAINTING

**NOTICE**

Let welded area cool before painting.

1. Clean all welding areas on the trailer frame with a wire brush, then paint area with black glossy spray paint (Figure 7).
VIN AND TIRE PRESSURE DECAL PLACEMENT

**NOTICE**

The steps below cannot be completed until your warranty claim has been processed. Once your claim has been processed and your VIN number verified, replacement VIN and tire pressure decals will be sent to you.

1. Compare your new replacement VIN decal identification number with the number that was recorded earlier.

2. If the numbers match proceed to step 3. If the numbers **DO NOT** match, contact the MQ Warranty Department.

3. Clean the decal surface with isopropyl alcohol prior to decal placement.

4. Place the replacement VIN and tire pressure decals as shown in Figure 8.

![Figure 8. VIN/Tire Pressure Decals (Placement)](image-url)
HERE’S HOW TO GET HELP
PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

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Multiquip Corporate Office
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