

# **UNIMIG** **RAZOR**



## **TIG330** **AC/DC** **TROLLEY**

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# 1. Safety

Welding equipment can be dangerous to both the operator and people in or near the surrounding working area if the equipment is not correctly operated. Equipment must only be used under the strict and comprehensive observance of all relevant safety regulations.


Read and understand this instruction manual carefully for all system components, especially the safety instructions and warning notices before the installation and operation of this equipment.


Product specifications and features are subject to change without notice. While every effort has been made to provide accurate and current information at the time of publication, this manual is intended as a general guide and is not exhaustive regarding safety, welding, or the operation and maintenance of this unit. Due to the many variables in the welding field and the evolving nature of both the field and the UNIMIG product line, Welding Guns of Australia Pty Ltd. does not guarantee the accuracy, completeness, authority, or authenticity of the information in this manual or provided by any UNIMIG employee during conversations or business dealings. The product owner assumes all liability for its use and maintenance. Welding Guns of Australia Pty Ltd. does not warrant this product or this document for fitness for any particular purpose, performance, accuracy, or suitability of application. Furthermore, Welding Guns of Australia Pty Ltd. accepts no liability for injury or damages, whether consequential or incidental, resulting from the use of this product or from the content of this document, nor does it accept third-party claims of such liability.


## Note:

- Observe the accident prevention regulations and any regional regulations.
- Safety and warning labels on the machine indicate any possible risks.
- Keep these labels clean and legible at all times.
- Technical changes due to further development in machine technology may lead to different welding behaviour.

**Items in the manual that require particular attention in order to minimise damage and harm are indicated with the below symbols. Read these sections carefully and follow their instructions.**

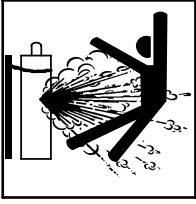
 **Note:** Gives the user a useful piece of information.

 **Caution:** Describes a situation that may result in damage to the equipment or system.

 **Warning:** Describes a potentially dangerous situation. If not avoided, it will result in personal damage or fatal injury.

## Machine Operating Safety

- Do not switch the function modes while the machine is operating. Switching of the function modes during welding can damage the machine. Damage caused in this manner will not be covered under warranty.
- Disconnect the electrode holder cable from the machine before switching on the machine to avoid arcing should the electrode be in contact with the workpiece.
- Only qualified persons should install, operate, maintain, and repair this equipment.
- During operation, keep everyone, especially children, away.

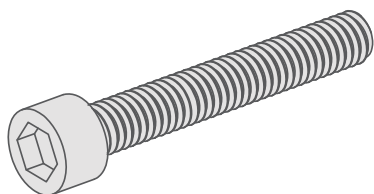


## Gas Cylinders

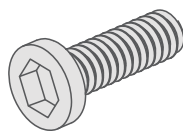
Shielding gas cylinders contain gas under high pressure. If damaged, a cylinder can explode. Because gas cylinders are usually part of the welding process, be sure to treat them carefully.

- Protect gas cylinders from excessive heat, mechanical shocks, physical damage, slag, open flames, sparks, and arcs.
- Ensure cylinders are secured upright to prevent tipping or falling over.
- Never allow the welding electrode, earth clamp, or electrical circuit to touch the gas cylinder, and don't drape welding cables over the cylinder.
- Never weld on a pressurised gas cylinder, it will explode and kill you.
- Open the cylinder valve slowly and turn your face away from the cylinder outlet valve and gas regulator. Stand to the side of the cylinder when opening the valve.
- Only use the correct gas, regulators, hoses, and fittings for your application and keep them in good condition.
- Keep full and empty cylinders separate.
- Keep ammonia-based leak detection solutions, oil and grease away from cylinders and valves.
- Never use force when opening or closing valves.
- Don't repaint or disguise markings and damage. If damaged, return cylinders immediately.
- When working with cylinders or operating cylinder valves, ensure that you wear appropriate protective clothing – gloves, boots and safety glasses.

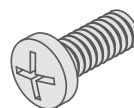
## 2. Package Contents



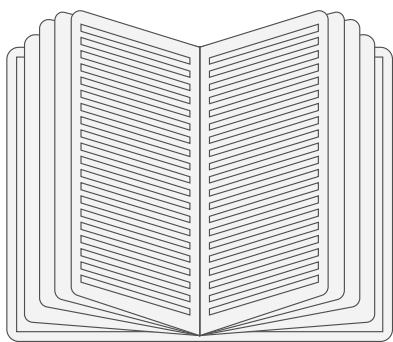
**M6x40 Screw**  
**x14**



**M6x16 Screw**  
**x4**



**M5x12**  
**x2**



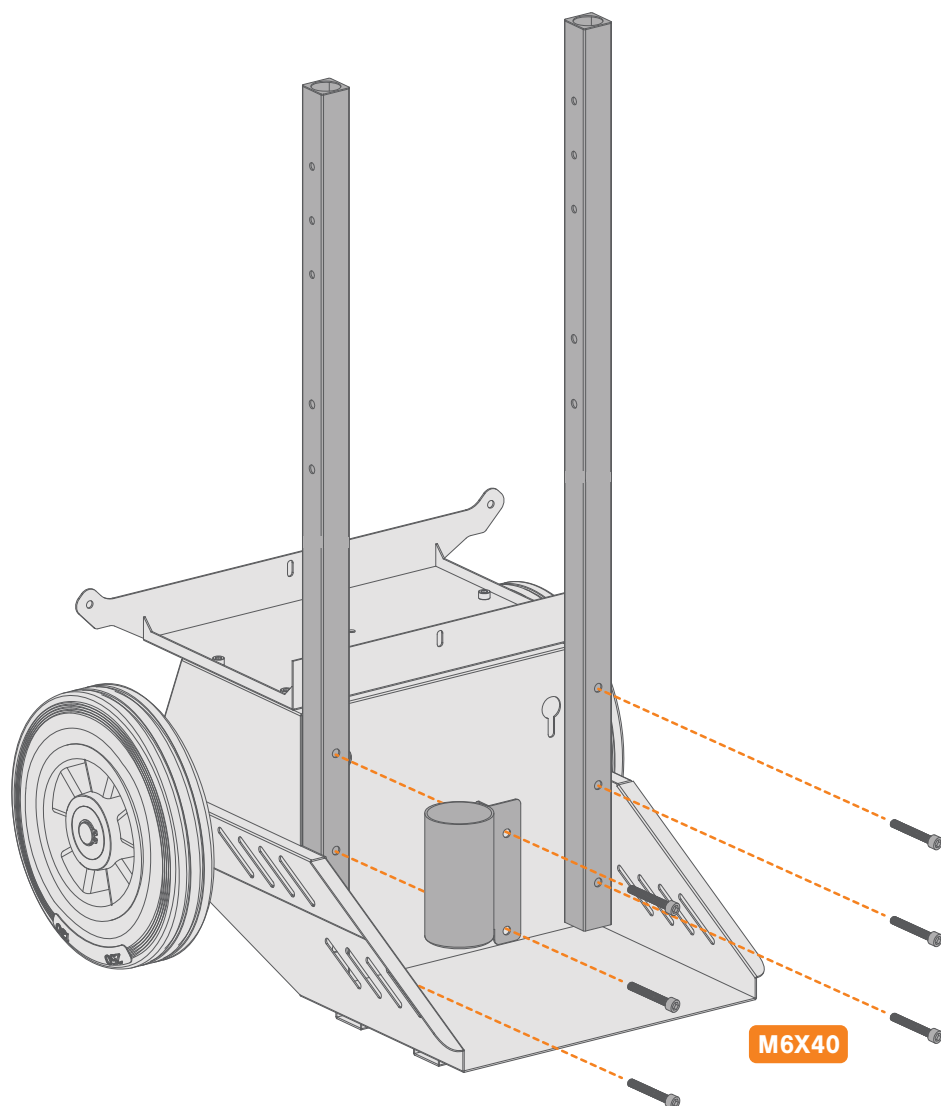
**Manual**

## 3. Assembly

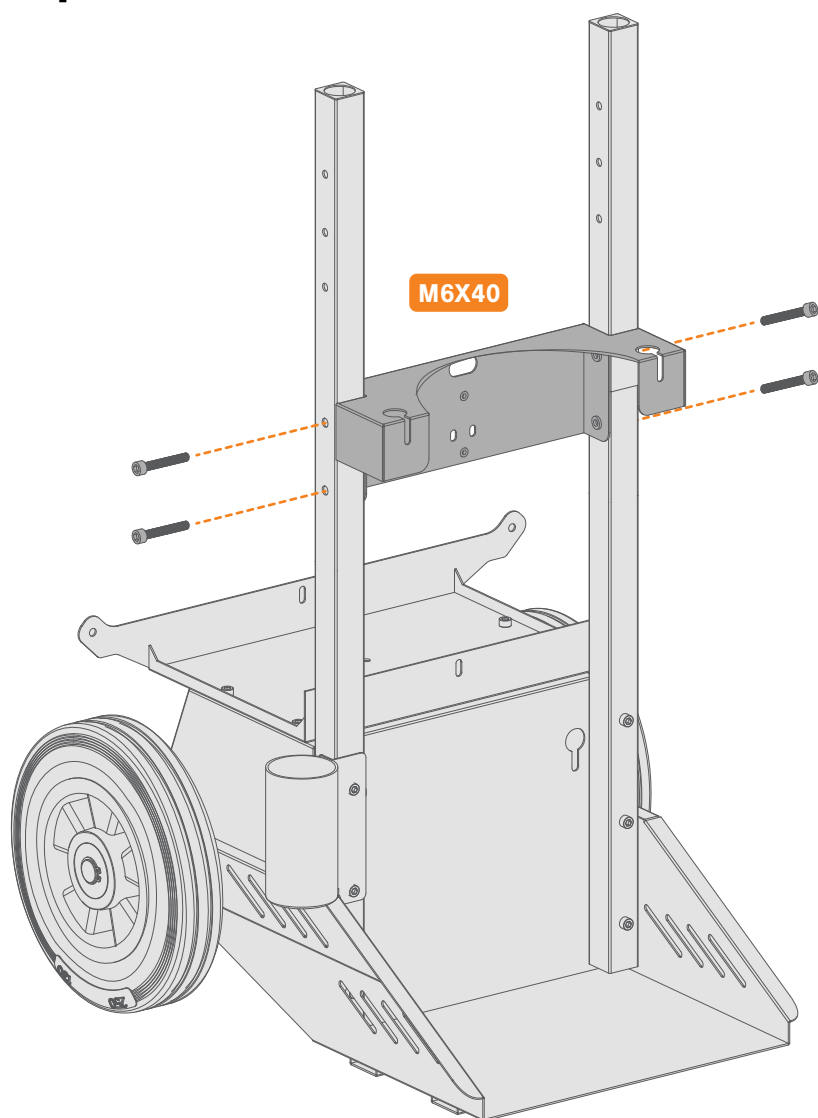
### Tools needed:

- Phillips Head Screwdriver
- Allen key set

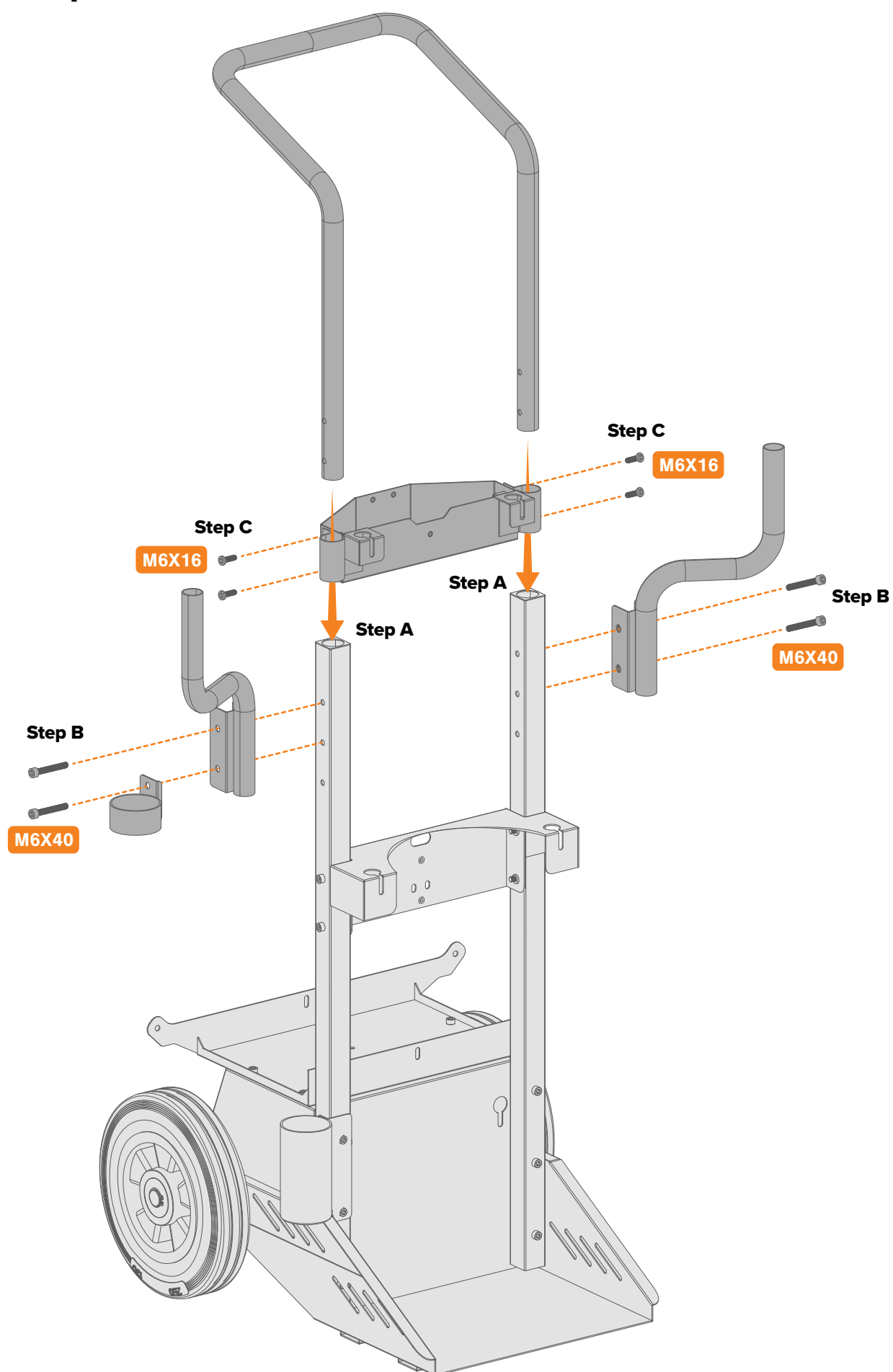
### Step 1



## Step 2



## Step 3

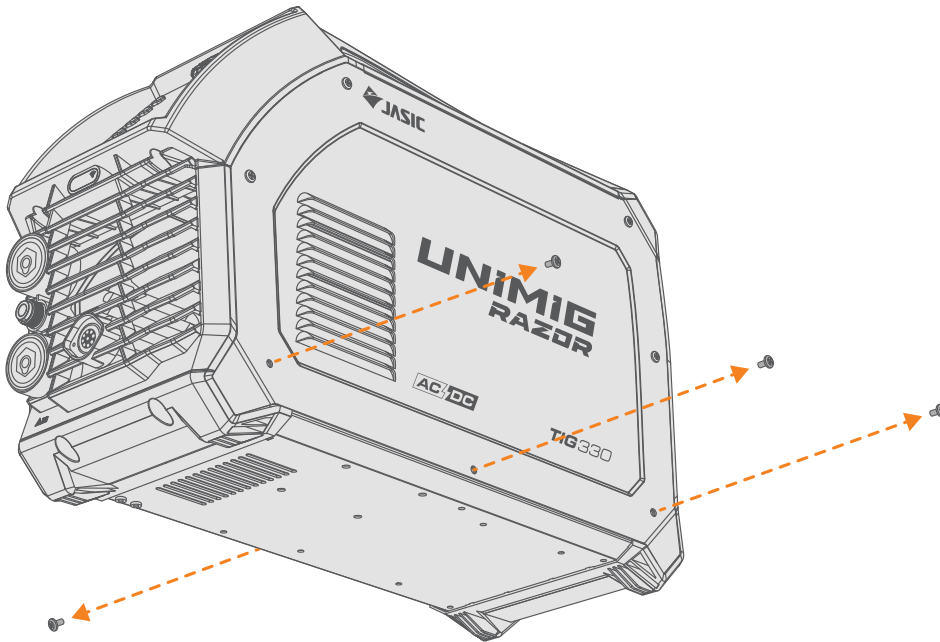




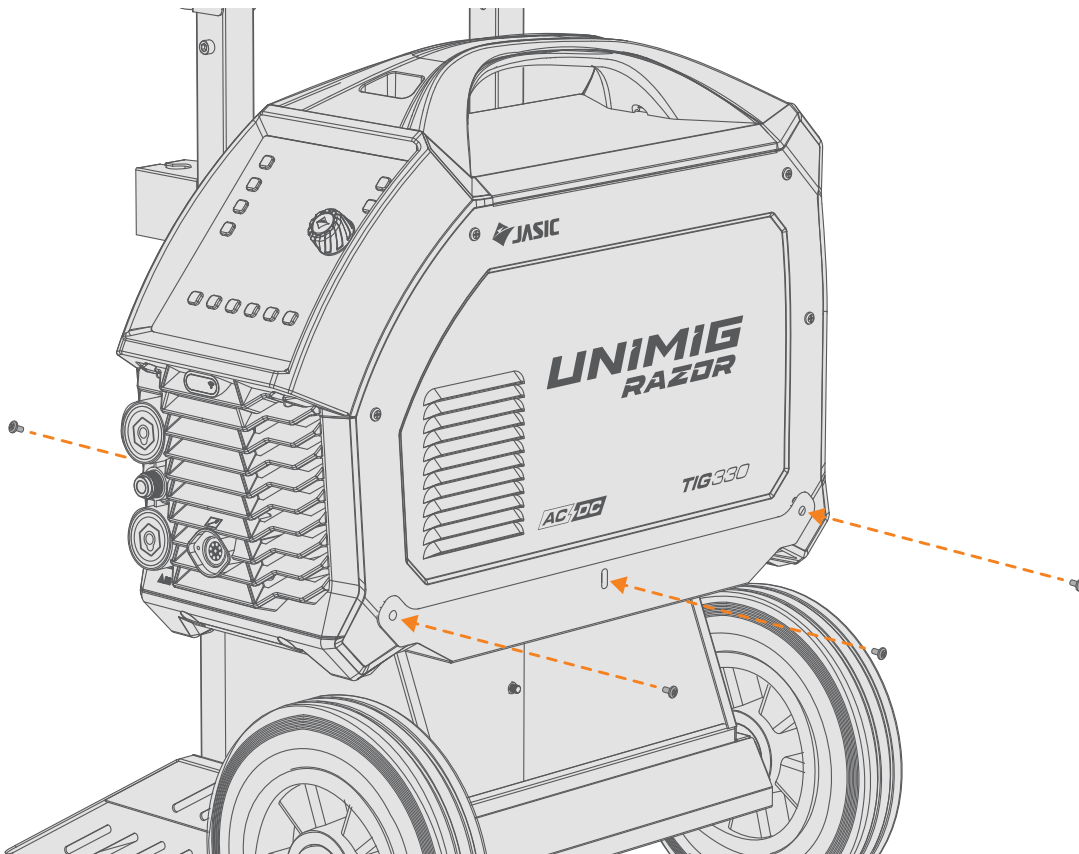
## 4. Installation

### 4.1 Installing the Machine Only

1. Unscrew the middle screws at the bottom of the RAZOR TIG 330 AC/DC.

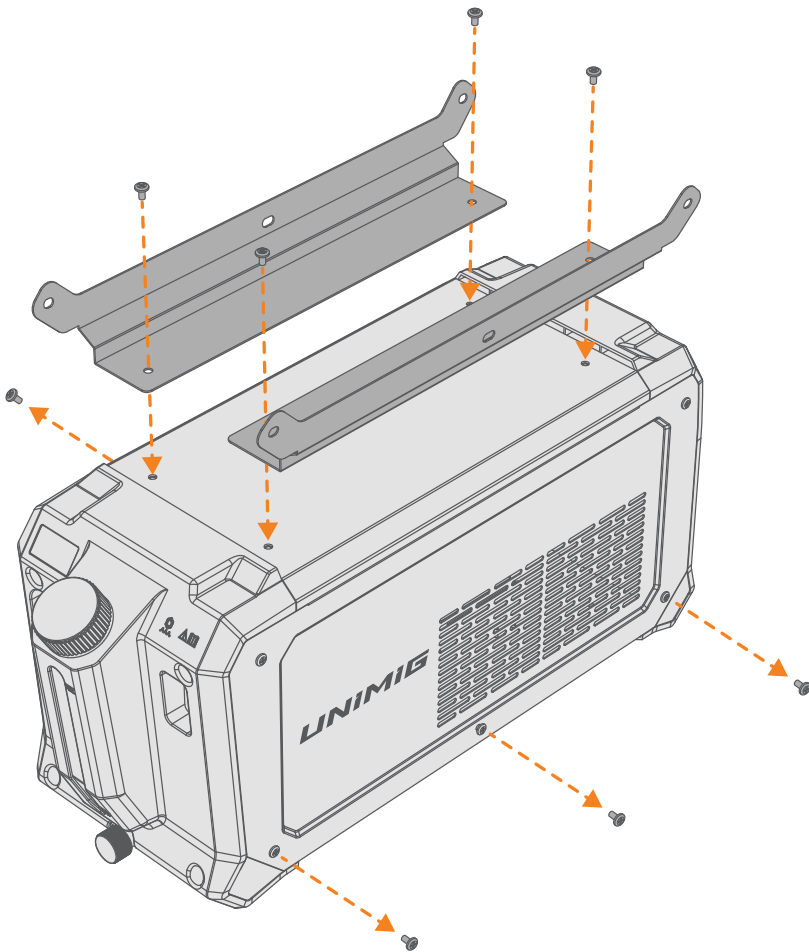


2. Place the machine on the trolley so that the holes in the machine line up with the holes in the trolley bracket, and replace the screws.

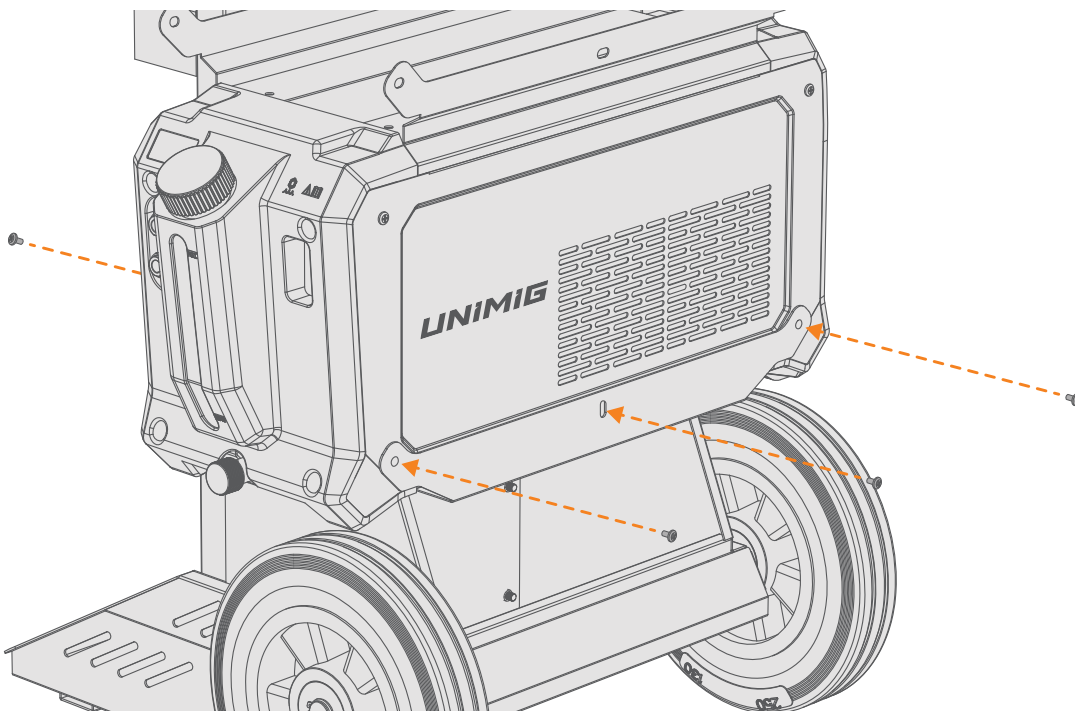


## 4.2 Installing the Water Cooler & Machine

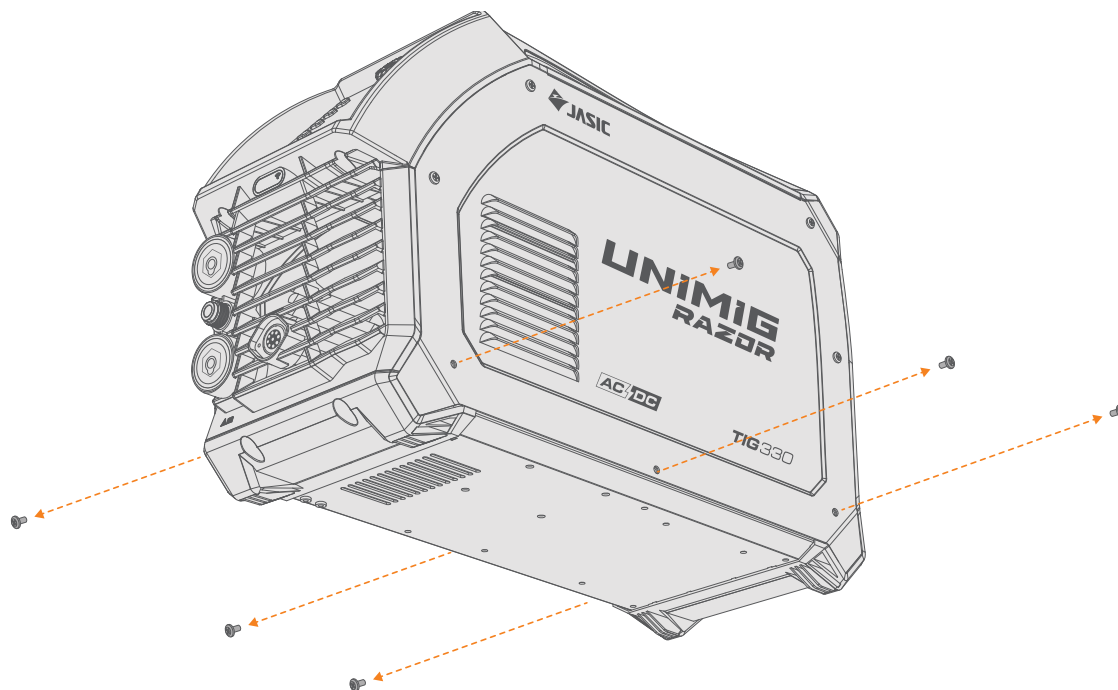
1. Unscrew the three screws at the bottom of the water cooler and attach the two mounting brackets to the top of the water cooler.



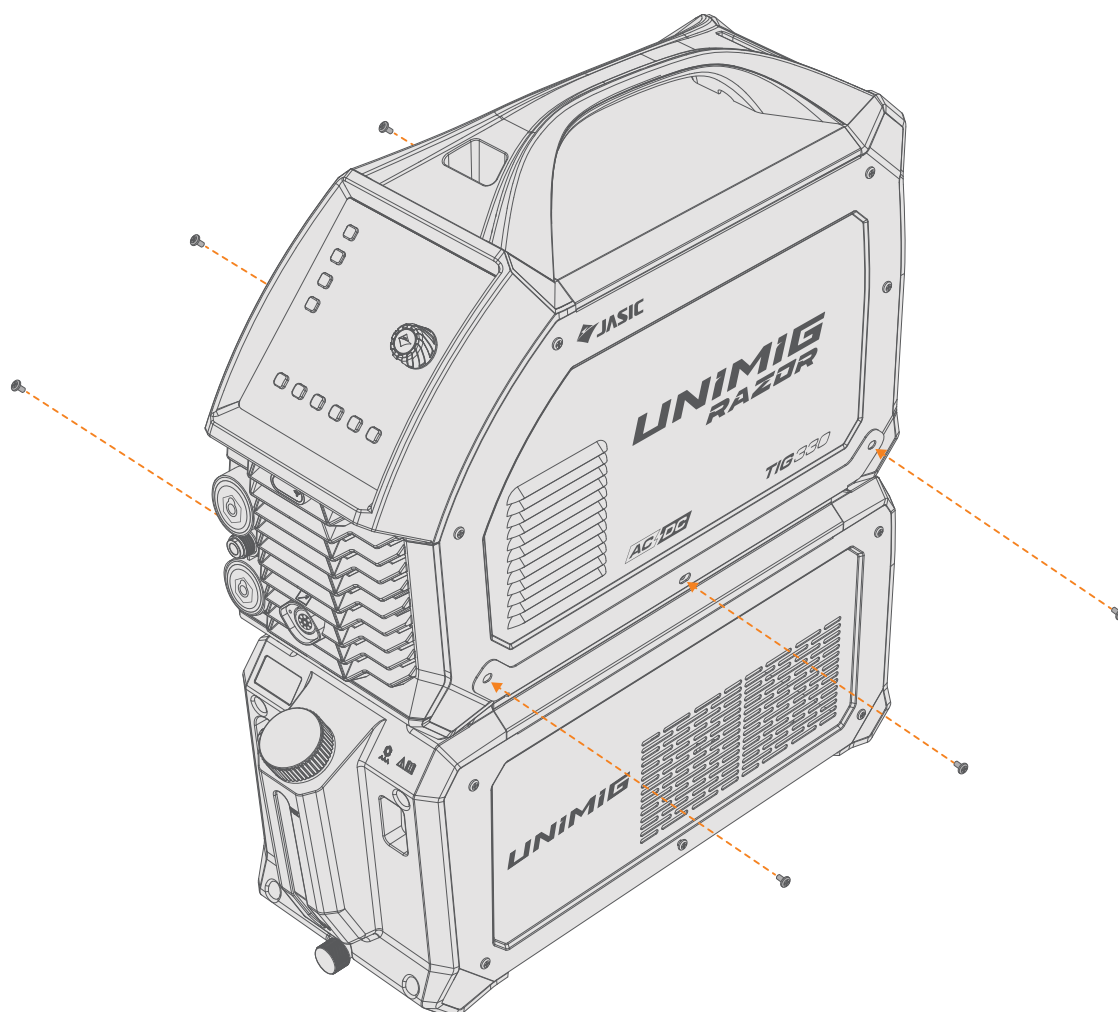
2. Place the water cooler on the trolley so that the holes in the cooler line up with the holes in the trolley bracket, and replace the screws.



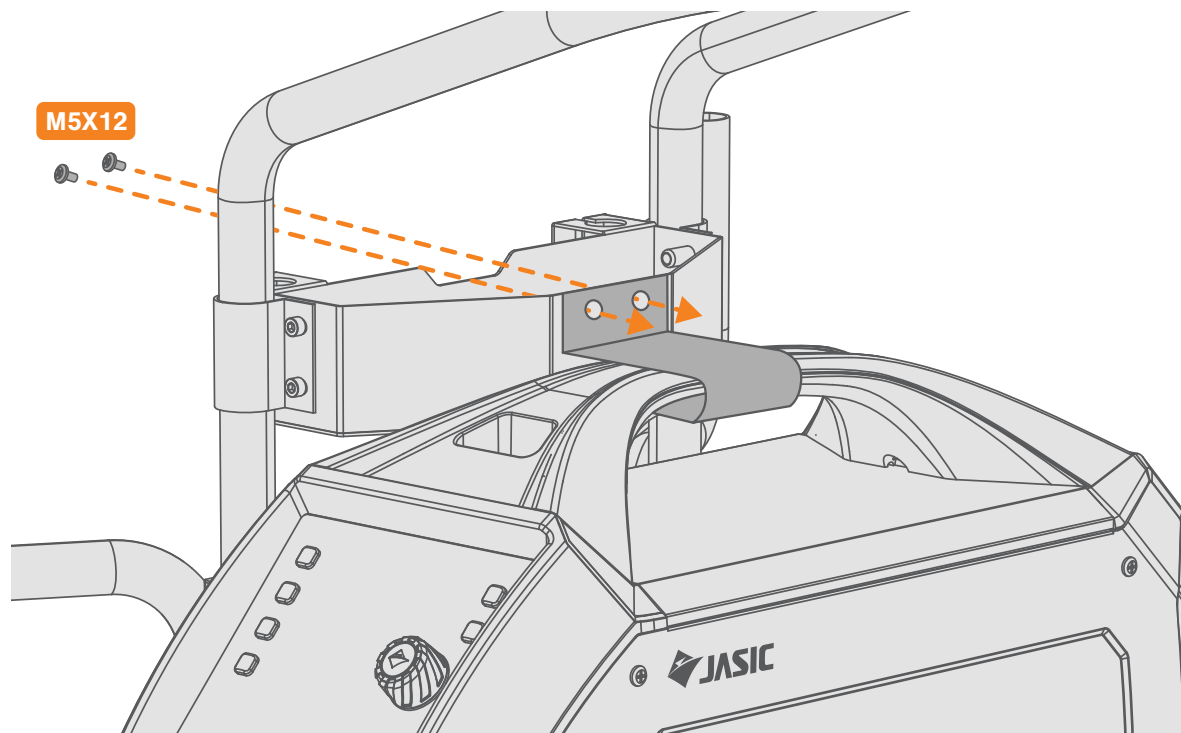
3. Unscrew the three screws at the bottom of the RAZOR TIG 330 AC/DC.



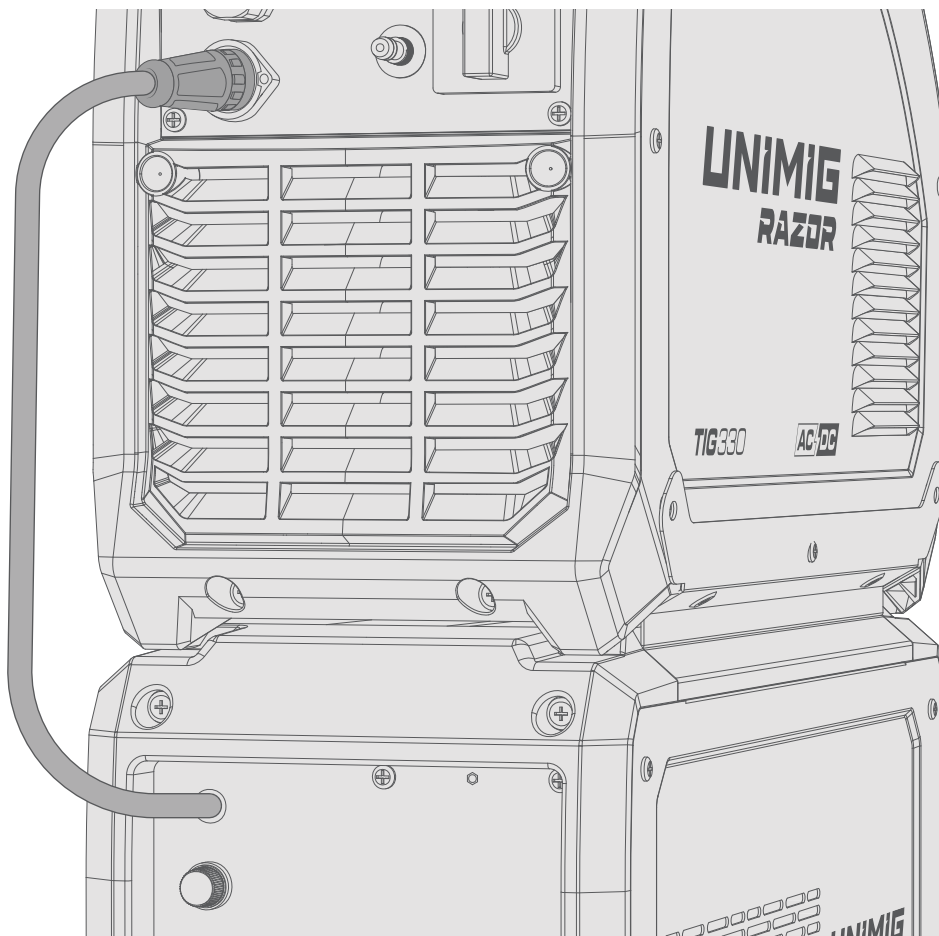
4. Place the machine on the water cooler and replace the screws via the mounting points.



5. Attach the handle mount to the trolley frame to secure the machine in place.

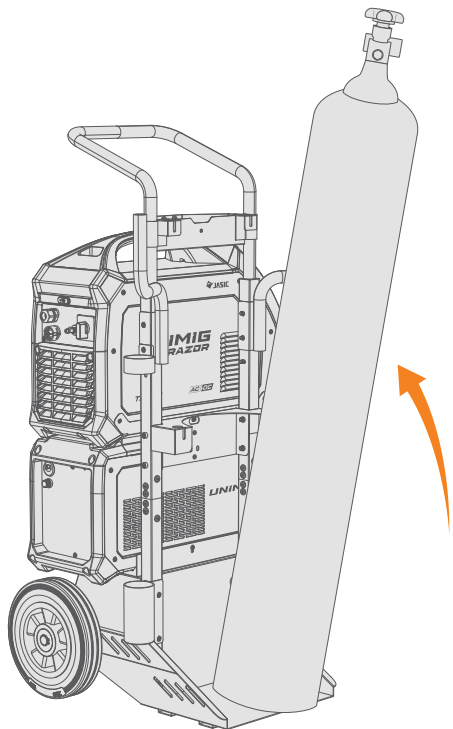


6. Plug the water cooler cable into the back of the machine.

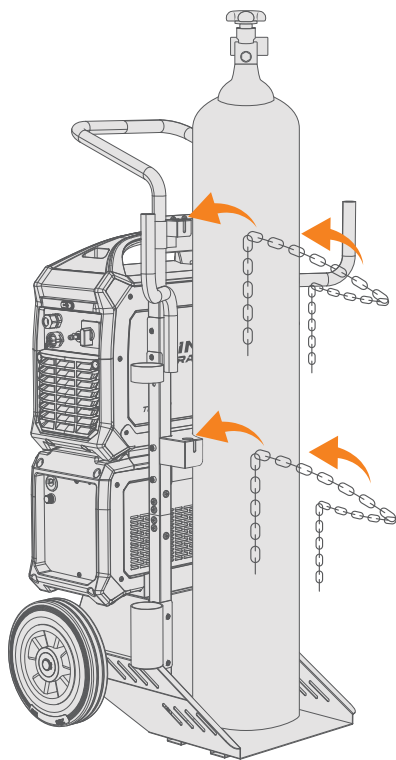


## 4.3 Installing the Gas Bottle on the Trolley

1. Move the gas bottle onto the trolley's gas bottle rack.



2. Secure the gas bottle in place with the chains. Use the dedicated fixing points on the trolley.



**⚠ There is a risk of accident if the gas cylinder is improperly or inadequately secured which could result in severe injury. The cylinder must be secured with at least two of the chains.**





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