

YITAMOTOR® SKID STEER PLATE

Installation Instructions

SKID STEER PLATE



Easy to Install



Corrosion-resistant



Strong & Durable

Product purpose: This plate is designed to provide a rigid skid-steer mounting surface with an integrated receiver-style tube. The product image shows a black corrosion-resistant finish and a reinforced receiver assembly.

Installation Method	Welding or bolting, where applicable
Main Components	Steel plate + reinforced receiver tube
Recommended Users	Qualified installer / experienced equipment operator
Reference Images	Product appearance and installed example

IMPORTANT: The supplied images do not specify machine-specific dimensions, bolt grades, weld sizes, torque values, or a rated load capacity. Confirm those specifications from the applicable product documentation and skid steer manufacturer before installation or use.

1. PRE-INSTALLATION CHECK

1. Verify Compatibility

Confirm that the plate and receiver tube are compatible with your skid steer and intended application.

2. Inspect Components

Check the plate, receiver tube, mounting surfaces, and hardware for damage, distortion, cracks, or missing parts.

3. Prepare the Surface

Remove dirt, grease, loose paint, rust, and debris from the installation area so the plate can sit flat and securely.

4. Plan Clearances

Check clearance around lift arms, hydraulic hoses, wiring, tires, and other moving components before fixing the plate in position.

5. Choose a Mounting Method

Use welding when the product/application calls for a permanent structural connection. Use bolting only where a suitable bolt pattern and high-strength hardware are available.

2. TOOLS & SAFETY EQUIPMENT

Typical tools may include a tape measure, level, marker, clamps, socket/wrench set, drill and suitable bits for a bolted installation, and welding equipment for a welded installation. Use appropriate PPE, including safety glasses, gloves, hearing protection, and welding PPE when applicable.

3. POSITION AND ALIGN THE PLATE



Installed example shown in the supplied product image. Use this image as a visual reference for the overall orientation of the plate and receiver tube.

Step 1 — Place the plate against the compatible mounting structure and determine the desired centerline.

Step 2 — Confirm the receiver tube faces the correct direction and remains accessible for the intended attachment.

Step 3 — Use clamps or temporary fasteners to hold the plate securely while alignment is checked.

Step 4 — Recheck level, squareness, clearances, and full equipment movement before permanent fastening.

4. WELDED INSTALLATION

1. Securely clamp the plate in its final position.
2. Verify that the receiver tube is correctly oriented and aligned with the plate.
3. Tack-weld at multiple points to prevent movement during final welding.
4. Recheck alignment, level, and clearance after tack welding.
5. Complete the structural welds using a qualified welding procedure suitable for the actual material and thickness.
6. Allow the assembly to cool naturally. Do not quench hot metal unless a qualified welding procedure specifically requires it.
7. Inspect the completed welds for visible cracks, undercut, incomplete fusion, or other defects before operating the equipment.

5. BOLTED INSTALLATION — WHERE APPLICABLE

1. Align the plate mounting holes with the compatible mounting structure.
2. Install suitable high-strength bolts, washers, and nuts through all required mounting points.
3. Hand-tighten first and confirm that the plate remains correctly aligned.
4. Tighten the hardware evenly. Use the skid steer or hardware manufacturer's specified torque whenever available.
5. Do not guess a critical torque value. If no specification is supplied, have a qualified technician determine the appropriate hardware and torque for the application.

6. FINAL INSPECTION

- Confirm every mounting point is secure and the plate cannot shift under normal operating conditions.
- Check all welds or bolts for defects, looseness, or deformation.
- Confirm the receiver tube is unobstructed and properly aligned.
- Cycle the skid steer attachment/mounting system through its available movement range and verify that there is no interference with hoses, wiring, tires, arms, or other components.
- Perform a low-speed functional check in a safe area before normal operation.

7. SAFETY & MAINTENANCE

- Follow the skid steer manufacturer's operating, lifting, towing, and attachment requirements.
- Never exceed the rated capacity of the skid steer, attachment, receiver, or any connected equipment.
- Keep people clear of the work area during installation and operation.
- Inspect the plate and mounting connection before each use and after heavy-duty operation.
- Stop use immediately if cracking, bending, loose hardware, damaged welds, or other structural damage is found.

INSTALLATION COMPLETE

The skid steer plate is ready for use only after all mounting, alignment, clearance, and safety checks have been completed.