

Mikasa 366900042

Instruction Manual: Multiquip Mikasa MTX 80 / MTX 90 Throttle Lever Assembly

Model: 366900042



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Multiquip Mikasa MTX 80 / MTX 90 Throttle Lever Assembly, part number 366900042. This component is designed for use with Multiquip Mikasa MTX 80 and MTX 90 jumping jack rammer tampers to control engine speed and operation.

Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the throttle lever assembly.

2. PRODUCT OVERVIEW

The throttle lever assembly is a critical control component for your Mikasa rammer tamper, allowing the operator to adjust the engine's RPMs for various operational needs. It includes the lever mechanism, control cable, and electrical connections necessary for integration with the equipment.



Figure 2.1: Front view of the throttle lever assembly, showing the main lever, mounting points, and the attached control cable with electrical wiring.



Figure 2.2: Rear view of the throttle lever assembly, illustrating the cable routing and the housing structure from the opposite side.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the throttle lever assembly. If you are unsure about any step, consult a qualified technician.

Safety Precautions:

- **WARNING:** Always ensure the rammer tamper's engine is off and cooled down before beginning any installation or maintenance.
- **WARNING:** Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.

Installation Steps:

1. **Prepare the Equipment:** Place the rammer tamper on a stable, level surface. Ensure the engine is off and cool.
2. **Remove Old Assembly (if applicable):** Carefully disconnect any electrical wires and the throttle cable from the existing throttle lever assembly. Unbolt and remove the old assembly from its mounting location. Note the routing of the cable and wires for reinstallation.
3. **Mount New Assembly:** Position the new Multiquip Mikasa Throttle Lever Assembly (part #366900042) in the designated mounting location on the rammer tamper. Secure it using the appropriate bolts and fasteners. Do not overtighten.
4. **Connect Throttle Cable:** Route the new throttle cable according to the original path, ensuring it is free from kinks or sharp bends. Connect the cable end to the carburetor or throttle linkage mechanism as per the rammer tamper's service manual.
5. **Connect Electrical Wires:** Connect the electrical wires from the new assembly to the corresponding terminals on the rammer tamper's wiring harness. Ensure connections are secure and insulated. Refer to the rammer tamper's wiring diagram if necessary.
6. **Verify Functionality:** Once installed, gently move the throttle lever through its full range of motion to ensure smooth operation of the throttle cable and linkage without binding.
7. **Final Checks:** Reconnect the spark plug wire. Before starting the engine, double-check all connections and mounting points.

4. OPERATING INSTRUCTIONS

The throttle lever assembly controls the engine speed of your Mikasa rammer tamper. Familiarize yourself with its operation before using the equipment.

Basic Operation:

- **Engine Start:** Ensure the throttle lever is in the "Idle" or "Start" position as indicated on your rammer tamper's control panel before attempting to start the engine.
- **Increasing Engine Speed:** Slowly move the throttle lever towards the "Fast" or "Run" position to increase the engine's RPMs. This will increase the ramming force and frequency.
- **Decreasing Engine Speed:** Slowly move the throttle lever towards the "Idle" or "Slow" position to decrease the engine's RPMs. This is typically used when the machine is not actively compacting or when preparing to shut down.

- **Engine Stop:** For models with an integrated kill switch on the throttle lever, move the lever to the "Stop" position to shut off the engine. Otherwise, use the dedicated engine kill switch on the rammer tamper.

Always operate the rammer tamper according to the manufacturer's instructions for the specific model.

5. MAINTENANCE

Regular maintenance of the throttle lever assembly will ensure its longevity and reliable performance.

- **Cleaning:** Periodically clean the exterior of the throttle lever assembly to remove dirt, dust, and debris. Use a clean, dry cloth. Avoid using harsh chemicals that could damage the plastic or metal components.
- **Cable Inspection:** Regularly inspect the throttle cable for signs of fraying, kinks, or damage. Ensure it moves freely within its housing. If the cable is damaged or sticky, it should be replaced.
- **Lubrication:** Apply a small amount of light lubricant (e.g., silicone spray or dry lubricant) to the pivot points of the lever and the ends of the throttle cable where it connects to the carburetor linkage. Do not over-lubricate.
- **Connection Check:** Verify that all electrical connections are secure and free from corrosion. Ensure mounting bolts are tight.
- **Wear and Tear:** Inspect the lever and its housing for any cracks, excessive wear, or looseness. Replace the assembly if significant wear or damage is observed.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the throttle lever assembly.

Problem	Possible Cause	Solution
Throttle lever is stiff or sticky.	Dirt/debris in mechanism, cable kinked/damaged, lack of lubrication.	Clean the assembly. Inspect and lubricate the cable and pivot points. Replace cable if damaged.
Engine RPMs do not change with lever movement.	Throttle cable disconnected, broken, or improperly adjusted. Linkage at carburetor is stuck.	Check cable connections at both ends. Inspect cable for breaks. Adjust cable tension if necessary. Inspect carburetor linkage for free movement.
Engine does not shut off when lever is moved to "Stop".	Electrical wire disconnected or damaged, faulty kill switch.	Check electrical connections. Test the kill switch circuit. Consult a technician if the switch is faulty.
Lever feels loose or wobbly.	Mounting bolts loose, internal wear.	Tighten mounting bolts. If looseness persists, the internal mechanism may be worn, requiring replacement of the assembly.

If troubleshooting steps do not resolve the issue, contact a qualified service technician or Mikasa customer support.

7. SPECIFICATIONS

Attribute	Detail
Model Number	366900042
Brand	Mikasa (Multiquip)

Attribute	Detail
Compatible Models	Mikasa MTX 80, Mikasa MTX 90 (Jumping Jack Rammer Tampers)
Item Weight	2 Pounds (approx.)
Material	Aluminum
Color	Black
Exterior Finish	Brass
Specific Uses	Vehicle Throttle (for rammer tamper engine control)

8. WARRANTY AND SUPPORT

For warranty information regarding your Multiquip Mikasa Throttle Lever Assembly, please refer to the documentation provided with your original Mikasa rammer tamper or contact Multiquip/Mikasa customer support directly. Warranty terms and conditions may vary.

For technical assistance, replacement parts, or service inquiries, please contact your authorized Multiquip/Mikasa dealer or visit the official Multiquip website for support contact information.

Always use genuine Multiquip/Mikasa replacement parts to ensure compatibility and maintain product integrity.

