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MMS MS380T

MMS Mini Triangular Track Skid Steer Loader User Manual

Model: MS380T

Brand: MMS

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your MMS Mini Triangular Track Skid Steer Loader, Model MS380T. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent injury or damage.



Figure 1: MMS Mini Triangular Track Skid Steer Loader (Model MS380T) with 46-inch bucket.

SETUP AND INITIAL INSPECTION

1. Unpacking and Delivery Inspection

Upon delivery, carefully inspect the packaging for any signs of damage. The unit is typically shipped in a sturdy wooden case. It is recommended to use a forklift for safe unloading due to the machine's weight.

The goods are packed in wooden cases
Better to unload it by forklift



Figure 2: The skid steer loader is packed in wooden cases for secure transport. A forklift is recommended for unloading.

2. Pre-Operation Checks

- Fluid Levels:** Verify engine oil, hydraulic fluid, and fuel levels are within recommended ranges.
- Battery Connection:** Ensure battery terminals are clean and securely connected.
- Tire/Track Condition:** Inspect tracks for any damage or excessive wear.
- Attachment Installation:** If attachments like the bucket are not pre-installed, follow the specific instructions provided with the attachment for secure mounting. The machine supports quick replacement of various attachments.

OPERATING INSTRUCTIONS

1. Control Panel Overview

The control panel features intuitive joysticks for movement and bucket control, along with gauges for fuel and oil temperature, and switches for ignition and choke.



Figure 3: Detailed view of the operation console, showing controls for engine throttle, ignition, and various indicators.

2. Starting the Engine

Follow these steps to safely start the MMS Mini Triangular Track Skid Steer Loader:

- 1. Turn on the Power Switch:** Locate the main power switch, typically a red knob, and turn it to the ON position.
- 2. Open Engine Throttle:** Adjust the engine throttle lever to an open position.
- 3. Pull out the Choke Switch:** For cold starts, pull out the choke switch.
- 4. Start the Engine:** Insert the key into the ignition lock and turn it to start the engine.
- 5. Return Choke:** After the engine starts, immediately return the choke switch to its original position.

Your browser does not support the video tag.

Video 1: Demonstrates the step-by-step process for starting the MS380T engine, including power switch, throttle, choke, and ignition.

3. Basic Operation

- Driving:** Use the left and right joysticks to control forward, reverse, and turning movements. The independent control of left and right walking motors allows for zero-radius steering.
- Bucket Control:** Use the dedicated joystick or levers to raise, lower, dump, and curl the bucket.
- Foldable Foot Pedal:** The machine features a foldable foot pedal for improved space utilization and maneuverability. Ensure it is properly deployed or stowed as needed.



Figure 4: The foldable foot pedal provides convenience and improves maneuverability in tight spaces.

4. Safety Guidelines

- Always wear appropriate personal protective equipment (PPE).
- Ensure the work area is clear of obstacles and personnel.
- Never operate the machine on excessively steep slopes.
- Be aware of the machine's stability, especially when carrying loads.
- Perform daily pre-operation checks.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your skid steer loader.

1. Routine Checks and Servicing

- **Engine Maintenance:** Regularly check and change engine oil and filters as per the engine manufacturer's recommendations.
- **Hydraulic System:** Monitor hydraulic fluid levels and inspect hoses and connections for leaks or damage.
- **Track System:** Inspect tracks for proper tension, wear, and debris accumulation. Clean tracks regularly to prevent excessive wear.
- **Lubrication:** Grease all pivot points and moving parts as indicated in the lubrication chart (refer to machine decals or a separate lubrication guide).

2. Access for Maintenance

The front hood of the skid steer loader opens easily, providing convenient access to the engine compartment for maintenance and refueling.



Figure 5: The front hood provides easy access for routine maintenance and refueling.

TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine does not start	Low fuel, battery dead, choke not used/returned, power switch off.	Check fuel level, charge/replace battery, ensure choke is used correctly, turn on power switch.
Loss of hydraulic power	Low hydraulic fluid, clogged filter, hydraulic pump issue.	Check hydraulic fluid level, replace hydraulic filter, contact service for pump issues.
Machine not moving	Parking brake engaged, hydraulic issue, track obstruction.	Disengage parking brake, check hydraulic system, clear track obstructions.

SPECIFICATIONS

Key technical specifications for the MMS Mini Triangular Track Skid Steer Loader (Model MS380T):



MS380T

TRACK SKID STEER LOADER

Engine	Rato R740-1
Rated Power(Kw)	16Kw/3600rpm
Rotating Speed (rpm)	3600
Noise(Db)	≤95
Pressure (Mpa)	0-17Mpa
Flow Rate	0-21.6L
Operating Load Lifting Force	662 ib
Bucket Capacity	0.15m ³
Max Lifting Force	838 ib
Travel Speed	0-4.5Km/h
Operating Weight	1962 ib
Oil	Gasoline

Max Working Height	83.5 inch
Max Pin Height	73.4 inch
Max Dumping Height	55.3 inch
Max Dumping Distance	22.6 inch
Max Dumping Angle	37°
Total Height	53.2 inch
Ground Clearance	4.8 inch
Wheel Base	/
Overall Lengthwithout Bucket	56 inch
Total Width	41.2 inch
Bucket width	45.3 inch
Total Length with Bucket	88.4 inch

Figure 6: Detailed specifications for the MS380T Track Skid Steer Loader.

Feature	Value
Brand	MMS
Model Number	MS380T
Material	Manganese Steel
Item Weight	1700 Pounds
Load Capacity	2000 Pounds
Power Source	Gasoline
Wattage	16 KW
Package Dimensions	88 x 55 x 50 inches
Included Components	Wide Bucket Toolbox

WARRANTY AND SUPPORT

MMS is committed to providing professional quality and excellent after-sales service. Our products have passed certifications such as CE, SGS, TUV, and ISO, ensuring professional quality.

Customer Support

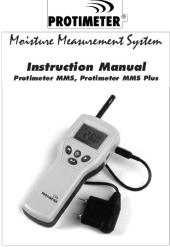
For any inquiries, technical assistance, or warranty claims, please contact MMS customer support. Our professional sales and maintenance teams are ready to provide you with consultation and support.

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