2109
Skid-Steer Loader
(with Cummins Engine)

Operator's Manual
#917247/EP0310

SN 802901 & Later

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Mustang Manufacturing Company, Inc.
P.O. Box 179, West Bend, WI 53095-0179 USA

Mustang 2109 Skid Steer Loader Operator Manual

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Machine: Skid Steer Loader

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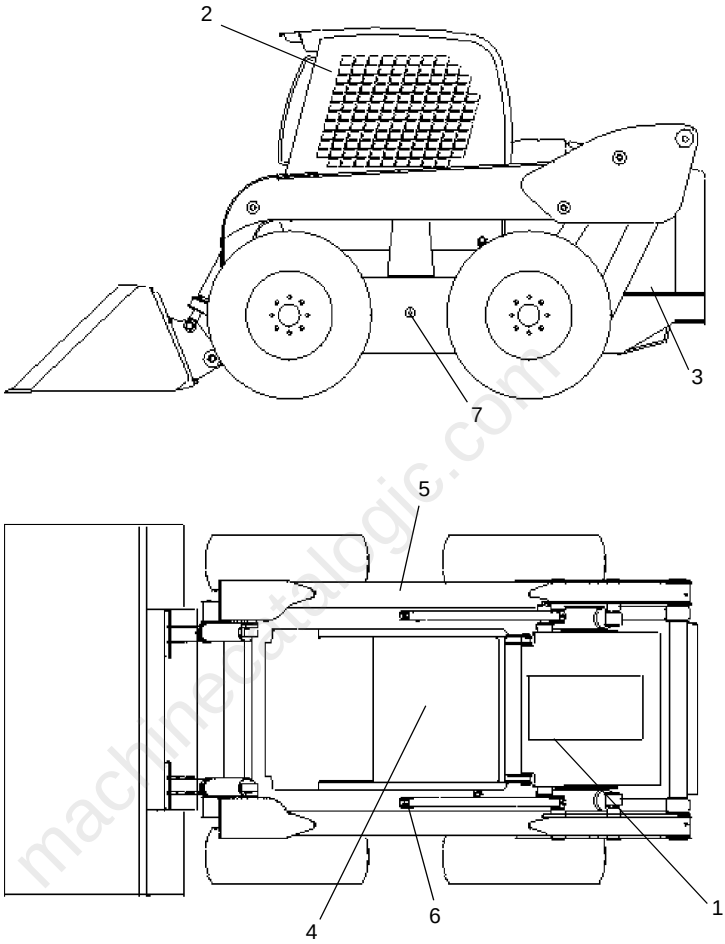
Main contents

- Introduction
- Safety
- Controls and Safety Equipment
- Operation
- Service
- Troubleshooting
- Maintenance
- Specifications
- Torque Specifications
- Warranty
- Index

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Sample pages follow. Full manual: machinecatalogic.com

Product and Component Plates



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Product and Component Plates

1. Engine plate: with e.g. type designation, product- and serial number
2. Operator protection system plate: with e.g. model, certification and operator protection system serial number
3. Product plate: with Product Identification Number and e.g. model/type designation
4. Seat plate according to ISO 7096
5. Component plate right drive motor: with e.g. product- and serial number
6. Component plate left drive motor: with e.g. product- and serial number
7. Component plate transmission: with e.g. product- and serial number

Lift/Tilt Controls

Moving the lift arm and tilting the attachment are accomplished by movement of the foot pedals. The left pedal raises and lowers the lift arm; the right pedal tilts the attachment. To **raise** the lift arm, push down on the back of the left pedal with your left heel; to **lower** the lift arm, push down on the front of the left pedal with the toes of your left foot. To **tilt the attachment forward and down**, push down on the front of the right pedal with the toes on your right foot; to **tilt the attachment up and back**, push down on the back of the right pedal with your right heel.

Note: *The speed of the lift/tilt motion is directly proportional to the amount of pedal movement and engine speed.*

To place the lift arm into the detent "float" position, use the toes of your left foot to push the left pedal all the way down. This position allows the lowered lift arm to float while traveling over changing ground conditions.

WARNING **Never push the left pedal into the "float" position with the attachment loaded or raised, because this will cause the lift arm to lower very rapidly.**

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Engine Speed Control

The throttle does not require routine adjustment. Refer to the *Service Manual* for the initial setup procedure.

The throttle lever friction pad pressure can be adjusted if the throttle lever does not hold its position. Belleville washers and a lock nut on the throttle lever are used for making this adjustment.

Foreign Material Removal

The loader should be cleared daily of dirt and other foreign materials in the following areas:

- around the rear timing link and lift cylinders
- at the front of the loader
- on the hitch, especially around the loader linkage
- around the hydraulic oil reservoir breather
- in the engine compartment
- in the operator's compartment

Important: *Build up of foreign materials in these areas can interfere with the operation of the loader, cause component damage or become a fire hazard.*

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CHAPTER 7

MAINTENANCE

This *Maintenance Interval Chart* was developed to match the *Service* chapter of this manual. Detailed information on each service procedure may be found in the *Service* chapter. A *Maintenance Log* follows the chart for recording the maintenance performed. Recording the 10-hour (or daily) service intervals would be impractical and is therefore not recommended.

Important: *Under severe operating conditions, more frequent service than the recommended intervals may be required. You must decide, based on your use, if your operation requires more frequent service.*

Service Procedure	Maximum Interval		
	10 Hours (or Daily)	250 Hours	500 Hours (or Annually)
Foreign Material Removal (page 56)	●		
Check Engine Air Cleaner Restriction Indicator (page 60)	●		
Check Engine Oil Level (page 64)	●		
Check Hydraulic Oil Level (page 65)	●		
Check Tire Pressures (page 69)	●		
Grease Lift Arm, Hitch, Cylinder Pivots and Latch Pins (page 57)	●		
Check Bucket Cutting Edge (page 66)	●		
Test Safety Interlock System (page 19)	●		
Check Coolant Level (page 67)	●		
Clean Cooling System (page 67)	●		
Check Drive Chain Tension (page 60)		●	
Check Wheel Nuts Torque (page 66)	❍	●	
Check Lift Arm Torque (page 66)		●	
Check Oil Level in Chaincases (page 59)		●	
Check Alternator/Fan Belt Tensions (page 66)		●	
Change Engine Oil and Filter (page 64)	☐	❖	●
Change Hydraulic Oil Filter (page 65)	☐		●
Check Battery (page 69)			●
Check Engine Mounting Hardware (page 63)			●
Change Fuel Filters (page 64)			●
Change Hydraulic Oil (page 66)			◆
Change Chaincase Oil (page 59)	☐		◆
Drain/Flush Cooling System (page 67)			●

❍ Perform the initial procedure at 2 hours then at "●" intervals.

☐ Perform the initial procedure at 50 hours then at "●" or "◆" intervals.

❖ Severe operating conditions.

◆ Perform the procedure at 1000 hours.

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