4000V
4000V (EU)

Skid-Steer Loader

Operator's Manual

#50950005/CP0714

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Mustang 4000V 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
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Sample pages follow. Full manual: machinecatalogic.com

Control/Indicator Symbols

 Power Off	 Power On	 Engine Start	 Battery Charge	 Electrical Power
 Worklight w/Tail Lights	 Worklight	 Safety Alert	 Hazard Flasher	 Fasten Seatbelt
 Horn	 Read Operator's Manual	 Volume – Full	 Volume – Half Full	 Volume – Empty
H-L High – Low	**N** Neutral	**F** Forward	**R** Reverse	 Parking Brake
 Engine Air Filter	 Engine Oil	 Engine Oil Filter	Engine Oil Pressure	 Fuel Filter
 Engine Temperature	 Hydraulic System	 Hydraulic Oil Temperature	 Hydraulic Oil Filter	 Grease Lubrication Point
 Glow Indicator Lamp	 Diesel Fuel	 Chaincase Oil	 Clockwise Rotation	 Counterclockwise Rotation
 Fast	 Slow	 Ride Control	 Engine Malfunction Shutdown	 Bucket – Float
 Bucket – Rollback	 Bucket – Dump	 Lift Arm – Lower	 Lift Arm – Raise	 Service Hours
Lift Point	Tie-Down	Diesel Water Separator	Power-A-Tach®	Service Interval

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Connecting Auxiliary Hydraulic Couplings

Note: *The loader is equipped with quick couplers designed to release trapped pressure. The pressure is automatically released by pushing the coupler inward, returning the oil through the case drain line back to the loader.*

Standard-Flow Auxiliary Hydraulics

Couplers are located on the left lift arm. When the auxiliary control switch is activated in either direction, the inside and outside couplers can be "pressure," or "return" depending on which direction the switch is activated. The smaller center coupler is for the case drain.

High-Flow Auxiliary Hydraulics (optional)

Couplers are located on the right lift arm. When the auxiliary control switch is activated in either direction, the inside and outside couplers can be "pressure," or "return" depending on which direction the switch is activated. The smaller center coupler is for the case drain.

⚠ WARNING **Only connect high-flow attachment couplers to the high-flow auxiliary couplers.**

Removing Attachments

1. Tilt the hitch back until the attachment is off the ground.
2. Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 6).
3. With the engine off, leave the operator's compartment and disconnect the auxiliary hydraulic hoses.
4. **Manual hitch:** Rotate the latch lever to the right when viewed from the front to fully retract the latch pins.

   Power hitch: Start the engine, press the top edge of Power-A-Tach switch on the right instrument panel to retract the hitch pins to unlock the hitch and fully retract the latch pins. Release the switch.
5. Start the engine (if it is not already on) and be sure that the lift arm is fully lowered and in contact with the loader frame.
6. Tilt the hitch forward and slowly back the loader away until the attachment is free from the loader.

Self-Leveling

The feature is intended to automatically keep the attachment level while the lift arm is being raised.

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7. Install the new filter element in the reservoir.
8. After properly positioning the spring, reinstall the cover plate and its hardware.
9. Refill the hydraulic oil reservoir with oil (if needed). Refer to the *Lubrication* chart (page 61).



Figure 47 Hydraulic Oil Filter Element

Changing Hydraulic Oil

The hydraulic oil must be replaced if it becomes contaminated, after major repairs and after 1000 hours or one year of use.

1. Under the loader near the left rear tire, unbolt a small left rear floor plate cover to access the drain plug.
2. Install a catch pan of sufficient capacity under the oil reservoir. See page 61.
3. Remove the drain plug on the reservoir tank and allow the oil to drain (Figure 48).
4. Reinstall the drain plug and floor plate cover.
5. Change the oil filter.
6. Refill the reservoir. Refer to the *Lubrication* chart (page 61).
7. Start the engine and operate the hydraulic controls.
8. Stop the engine and check for leaks at the filter and reservoir drain plug.
9. Check the fluid level and add fluid, if needed.

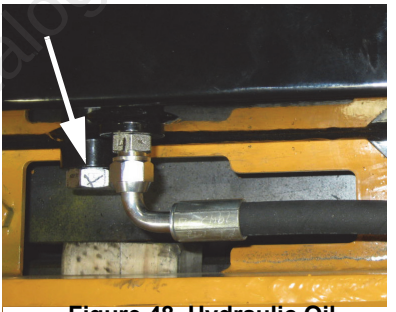


Figure 48 Hydraulic Oil Reservoir Drain Plug

Bucket Cutting Edge

The bucket cutting edge should be replaced when it is worn to within 1 in. (25 mm) of the bucket body.

Alternator

Refer to the separate engine manual for setting proper belt tension. If the belt is worn, cracked or otherwise deteriorated, replace the belt following the procedure in the engine manual.

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Bucket Selection

To use the table, find the material to be loaded and its maximum density. Then multiply the volumetric rating of the attachment by the material density to determine if the attachment can safely be used. See page 103 for a listing of attachments and their ratings.

Where the material density is listed as a range (snow at 15-50 lbs./ft^3, for example), always use the maximum density (50 lbs./ft^3 in this example) for making calculations. Also, see the following example.

Example 1: Clay (density of 80-100 lbs./cu. ft.) is to be hauled with a 4000V model skid loader using a 84 in. dirt/construction bucket (SAE J742-rated heaped capacity of 27.0 cu. ft.). With this bucket, the 4000V has a rating of 4000 lbs. Multiplying the maximum density of the material by the bucket capacity (100 x 27.0) yields a load that weighs 2700 lbs. This number is less than the machine rating and thus indicates that the loader/bucket combination is safe to use in this application.

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