2056
Skid-Steer Loaders

Operator's Manual

#917402/DP0310

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Mustang 2056 Skid Steer Loader Operator Manual (917402D)

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Main contents

- Hand/Foot Control
- Dual-Hand Controls
- Introduction
- Safety
- Controls and Safety Equipment
- Operation
- Service
- Troubleshooting
- Maintenance
- Specifications
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Sample pages follow. Full manual: machinecatalogic.com

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Loader Model Number	
Loader Serial Number	
Engine Serial Number	

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Hydraloc is a trademark of Gehl Company

Two-Speed Transmission (optional)

Loaders with the optional two-speed transmission use the left button on the left control handle for shifting between High (H) and Low (L). Shifting to High allows the machine to exceed 8 mph (13 km/h), up to a maximum speed of 12.4 mph (20 km/h).

Hydraglide™ Ride Control System (optional)

Loaders with the optional ride control feature have a button on the right control handle for shifting between normal mode and ride control mode. The ride control system provides a smoother ride over uneven surfaces. Press the button once to activate the system and again to deactivate. The ride control system is automatically deactivated when the machine is shut off.

⚠ WARNING When the Hydraglide System is activated, the lift arm may drop slightly without a load or several inches with a heavy load.

Auto-Shutdown System

The auto-shutdown system will activate if the loader has an over-temperature situation or low oil pressure for more than 30 seconds. An audible alarm will sound and the Engine Coolant Temperature lamp or Engine Oil Pressure lamp will turn on, and the engine will shut down after approximately 30 seconds.

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Hand/Foot Control

The loader may be equipped with the hand/foot control option. The handles control the drive and the foot pedals control the lift/tilt.

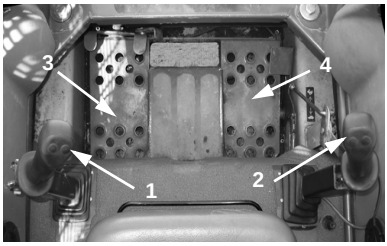


Figure 13 Hand/Foot Controls

1. Left Drive Control Handle
2. Right Drive Control Handle
3. Lift Control Pedal
4. Tilt Control Pedal

Drive Controls

Forward, reverse, speed and turning maneuvers are accomplished by movement of the control handles. To go **forward**, push both handles forward; for **reverse**, pull both handles rearward. For **turning**, move one handle farther forward or rearward than the other handle. Turn direction is determined by which handle is moved farther forward; to turn left, move the right handle farther forward than the left handle; to turn right, move the left handle farther forward than the right handle. For sharp turns, move the handles in opposite directions.

Moving the handles farther from neutral increases the speed steadily to the maximum travel speed. Tractive effort decreases as speed increases. To get maximum tractive effort, move the handles only slightly away from the neutral positions. The engine will stall if the handles are moved too far forward when loading the bucket.

⚠ WARNING **Be sure the controls are in neutral before starting the engine. Operate the controls gradually and smoothly. Excessive speed and quick control movements without regard for conditions and circumstances are hazardous and could cause an accident.**

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Vibration Information

Compact construction equipment is generally used in harsh environments. This type of usage can expose an operator to uncomfortable levels of vibration. It is useful to understand exposure to vibration levels when operating compact equipment and what can be done to reduce vibration exposure. As a result, equipment operation can be more efficient, productive and safe.

An operator's exposure to vibration occurs in two ways:

- Whole-Body Vibration (WBV)
- Hand-Arm Vibration (HAV)

This section will cover primarily WBV issues, because evaluations have shown that operation of mobile compact construction equipment on jobsites typically results in HAV levels less than the allowed exposure limit of 2.5 m/s^2.

Member States of the European Union must comply with the Physical Agents (vibration) Directive, 2002/44/EC.

Effective control of vibration exposure for an operator involves more than just the vibration levels on the machine. The job site, how the machine is used, and proper training all play important roles in reducing vibration exposure.

Vibration exposure results from:

- worksite conditions
- how the machine is operated
- the machine characteristics

Common causes of high WBV vibration levels:

- Using a machine that is improper for the task
- Work site with potholes, ruts and debris
- Improper operating techniques, such as driving too fast
- Incorrect adjustment of the seat and controls
- Other physical activities while using the machine

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Vibration Measurement and Actions

The vibration directive places the responsibility for compliance on employers. Actions that should be followed by employers include:

- Assess the levels of vibration exposure.
- Determine from this assessment if operators will be exposed to vibration levels above the limits stated in the directive.
- Take appropriate actions to reduce operator's exposure to vibration.
- Provide operators with information and training to reduce their exposure to vibration.
- Keep good records and update operations and training on a regular basis.

Outer Element

1. Carefully pull the outer element out of the housing. Never remove the inner element unless it is to be replaced.
2. Clean out any dirt built up in the housing. Leave the inner element installed during this step to prevent debris from entering the engine intake manifold.
3. Use a trouble light inside the outer element to inspect for bad spots, pinholes or ruptures. Replace the outer element if any damage is noted. The outer element must be replaced if it is oil- or soot-laden.

Note: *Cleaning the outer element is not recommended.*

Inner Element

Note: *Replace the inner element only if it is visibly dirty or if the outer element has been replaced three times.*

Before removing the inner element from the housing, clean out any dirt built up in the housing. Leave the inner element installed during this step to prevent debris from entering the engine intake manifold. Remove the inner element.

Reinstallation

1. Check the inside of the housing for any damage that may interfere with the elements.
2. Be sure that the element sealing surfaces are clean.
3. Insert the element(s), making sure that they are seated properly.
4. Secure the cover to the housing with the three clamps.
5. Check the hose connections and make sure they are all clamped and tightened properly.
6. Reset the indicator by pressing the reset button.

Note: *Periodically inspect intake system tubes, rubber elbows and connections. Inspect for cracks, loose fits and loose clamps. Tighten or replace as needed. Intake system must be air tight.*

Engine Service

Refer to the *Maintenance Interval* chart (page 81) for change intervals. Refer to the *Replacement Parts* chart (page 54) for filter part numbers.

Checking Engine Mounting Hardware

All bolts that secure the engine mounting brackets to the engine and the loader frame should be checked and re-torqued as necessary. Refer to the *Torque Specifications* chart (page 91) for torque information.

⚠ WARNING **Allow hot engine and hydraulic system components to cool before servicing.**

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Hydrostatic Drive System

Problem	Possible Cause	Remedy
Hydrostatic drive overheating.	Drive system overloaded continuously.	Improve efficiency of operation.
	Lift/tilt or auxiliary system overloaded continuously.	Improve efficiency of operation.
	Drive motor(s) or hydrostatic pump(s) have internal damage or leakage.	Contact your dealer.
	Oil cooler fins plugged with debris.	Clean oil cooler fins.
	Hydraulic oil filter plugged or restricted.	Replace filter.
	Loader being operated in high temperatures with no air circulation.	Reduce duty cycle; improve air circulation.

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