4200V | 4200V (EU)
4200V X-Series

Skid-Steer Loader
Operator's Manual

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Mustang 4200V Skid Steer Loader Operator Manual

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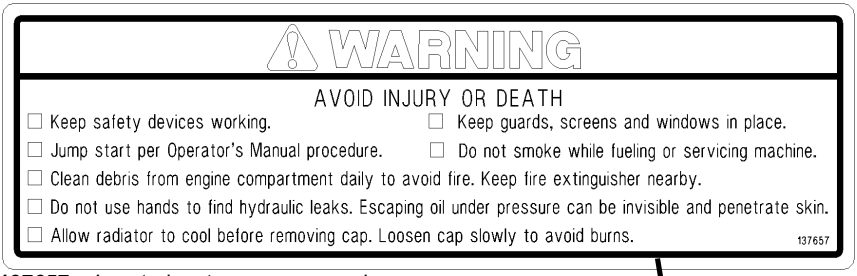
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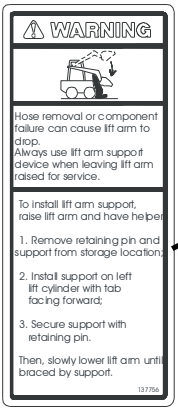
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Sample pages follow. Full manual: machinecatalogic.com

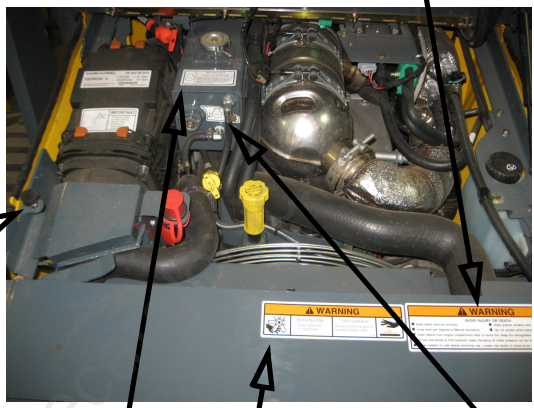
ANSI-Style Safety Decals in the Engine Compartment

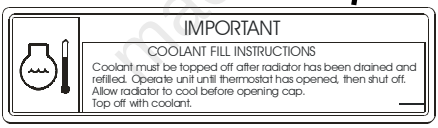


137657 – *Located on tower crossmember*

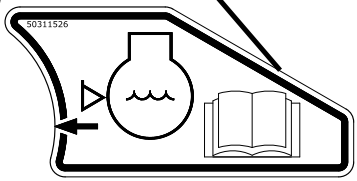


137756 – *Located on lift arm support device*

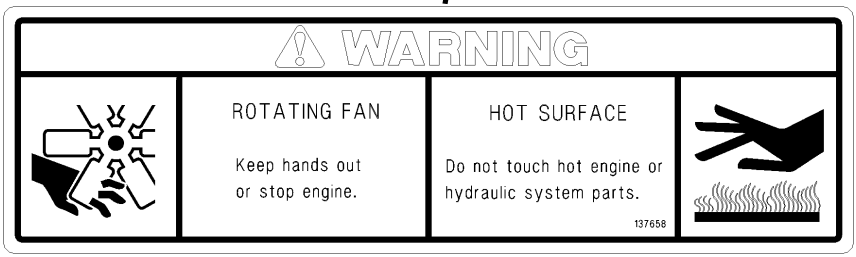




191499 – *Located on coolant tank*



50311526 – *Located on coolant tank*



137658 – *Located on tower crossmember*

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 22 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 examples.

Example 1: Clay (density of 80-100 lbs./cu. ft.) is to be hauled with a 4200V model machine using a 84 in. dirt/construction bucket (SAE J742-rated heaped capacity of 27.0 cu. ft.). With this bucket, the 4200V has a rating of 4200 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 machine/bucket combination is safe to use in this application.

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Multi-Function Display

The multi-function display (Fig. 14) is located above the ignition switch. It provides the following functionality:

- Displays operational status such as engine fuel tank level, engine rpm, coolant temperature, operation time, and system voltage
- Displays error fault codes and input/output diagnostic data
- Is used to initiate an emission component cleaning
- Configures display settings

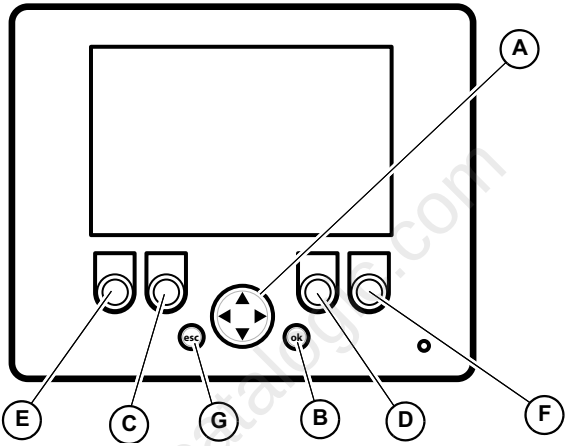


Fig. 14 Multi-Function Display

Table 1: Multi-Function Display

Ref.	Item	Description
A	Navigation Rocker Button	Used for general screen navigation and other various functions, depending upon screen and context.
B	OK Button	Used for various functions, depending upon screen and context.
C	Increase Brightness/Return Button	Used for various functions, depending upon screen and context: • Used to increase display brightness. Corresponds to the symbol on the display screen. • Used to return to previous screen. Corresponds to the symbol on the display screen.
D	Decrease Brightness Button	Used to decrease display brightness. Corresponds to the symbol on the display screen.
E	Standstill Regeneration/Return Button	Used for various functions, depending upon screen and context: • Switches to the regeneration display mode if the symbol is displayed on the screen. Also initiates regeneration if all appropriate conditions are met. • Used to return to previous screen. Corresponds to the symbol on the display screen.
F	Standtill Regeneration Inhibit Button	Press for 3 seconds to inhibit regeneration. Displays the symbol.
G	esc (escape) Button	Press to exit secondary screens and return to previously selected status screen.

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⚠ WARNING **Always maintain a safe distance from electric power lines and avoid contact with any electrically charged conductor or gas line. Accidental contact or rupture can result in electrocution or an explosion. Contact the "Call Before You Dig" referral system at 8-1-1 in the U.S., or 888-258-0808 in the U.S. and Canada or proper local authorities for utility line locations before starting to dig.**

Driving over Rough Terrain

When traveling over rough terrain, activate the ride control system and drive slowly with the bucket lowered.

Driving on an Incline

When traveling on an incline, travel with the heavy end pointing uphill.

Digging with a Bucket

Approach the digging site with the lift arm slightly raised and the bucket tilted forward until the edge contacts the ground. Dig into the ground by driving forward and gradually lowering the lift arm (Fig. 4).

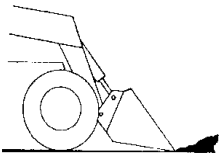


Fig. 4 Digging

When the bucket is filled, tilt the bucket back and back the machine away from the material. Rest the lift arm against the machine frame before proceeding to the dumping area.

⚠ WARNING **Always carry the loaded bucket with the lift arm resting on the machine frame. For additional stability when operating on inclines, always travel with the heavier end of the machine toward the top of the incline.**

Loading a Bucket

Approach the pile with the lift arm fully lowered and the bucket tilted slightly forward until the edge contacts the ground. Drive forward into the pile, lifting the lift arm and tilting back the bucket to fill it. Back away from the pile (Fig. 5).

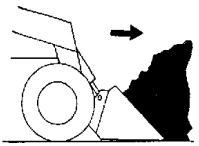


Fig. 5 Loading

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Tilting Back the ROPS/FOPS

A manual lock mechanism is used as a gas spring lock to prevent the raised ROPS/FOPS from lowering unexpectedly. The manual lock mechanism engages to lock the ROPS/FOPS in a tilted-back position.

To tilt back the ROPS/FOPS, remove two hex nuts on two anchor bolts at the front of the ROPS/FOPS. Tilt it back slowly, moving the control handles out of the way. Two gas-charged springs help tilt it back. A self-actuating lock mechanism will engage to lock when the ROPS/FOPS is in a rolled-back position. To lower the ROPS/FOPS, return the lock mechanism to the unlocked position (flipper up). Lower the ROPS/FOPS slowly onto the chassis. Reinstall the anchor bolts, washers and locknuts. Refer to the Torque Specifications chart (page 127) for torque information.

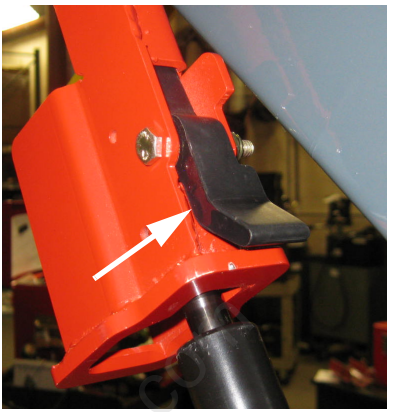


Fig. 5 ROPS/FOPS Lock Mechanism – Engaged



Fig. 6 ROPS/FOPS Lock Mechanism – Disengaged

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⚠ WARNING Never operate the machine with the ROPS/FOPS removed or tilted back. Be sure the lock mechanism is securely engaged when the ROPS/FOPS is tilted back. Be sure to reinstall the anchor bolts, washers and locknuts before resuming operation. Additionally, DO NOT raise or lower the lift arm with the ROPS/FOPS rolled back.

Fuse Panels

The main fuse panels (Fig. 25) are located behind two covers in the operator's compartment directly behind the operator's foot area, as well as the electrical engine disconnect switch.

Shown below are the decals for the fuse covers in this area.

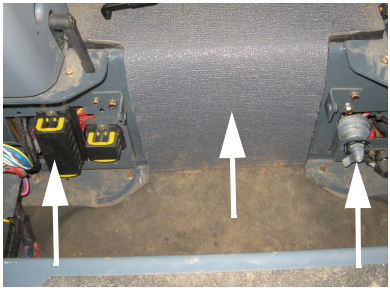
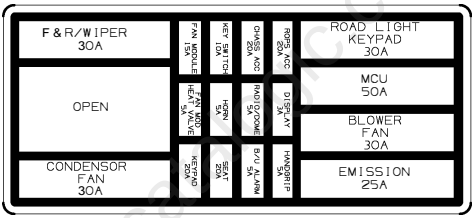
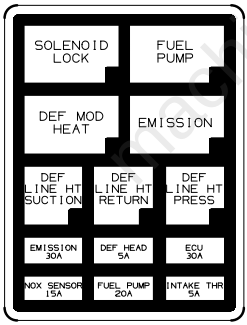


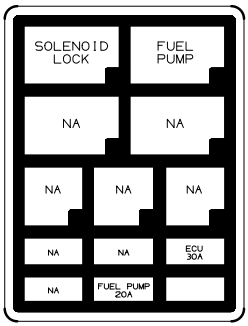
Fig. 25 Main Fuse Panels, center foam cover and the Engine Disconnect Switch

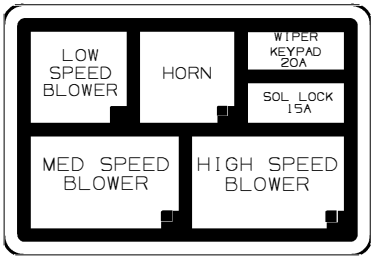




The left side fuse decal is for Diesel Exhaust Fluid ((DEF) / Selective Catalytic Reduction (SCR) enabled machines.

The right side fuse decal is for machines that do not have DEF/SCR functions.





6. Remove the aftertreatment DEF filter equalizing element (O, Fig. 29) and discard.
7. Remove the old aftertreatment DEF dosing unit filter element (P, Fig. 29).

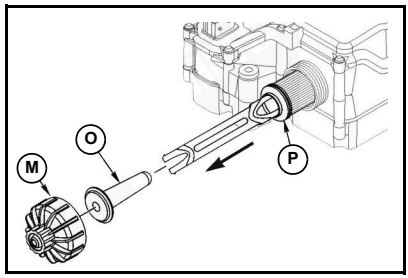


Fig. 29 DEF Dosing Unit Filter Removal

Note: *A disposable service tool is included with the filter to aid in filter removal. Refer to the instructions included with the replacement filter. Use the appropriate end of the tool, depending on the color of the plastic on the filter. When inserting the tool, a "click" sound can be heard which indicates a proper engagement with the filter.*

Important: *If the filter element and equalizing element are removed from the aftertreatment DEF dosing unit, they must be discarded and replaced, regardless of condition.*

8. Slide a new DEF filter equalizing element (O) into the DEF filter cartridge (P). Insert the assembly into the aftertreatment DEF dosing unit.
9. Clean the aftertreatment DEF dosing unit cap and threads on the dosing unit with warm water and a clean cloth.
10. Install and tighten the cap (M). A 27 mm wrench can be used to install and tighten the filter cap. Torque the cap to 20 NM (177 in-lb).

Important: *Never operate the machine with the DEF cap removed.*

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