2700V
Skid-Steer Loader

Operator's Manual
#917417/BP0310

machinecatalogic.com

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

Mustang 2700V Skid Steer Loader Operator Manual

Document type: Operator Manual (operation, controls, safety and routine maintenance)

Brand: Mustang

Models: 2700V

Machine: Skid Steer Loader

Publication No.: 917417 (Rev. B)

Edition date: March 2010

Language: English

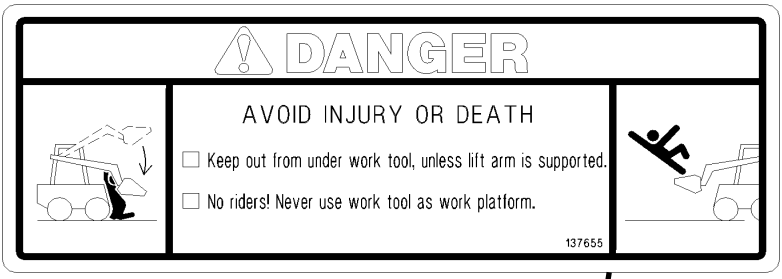
Main contents

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

machinecatalogic.com

Sample pages follow. Full manual: machinecatalogic.com

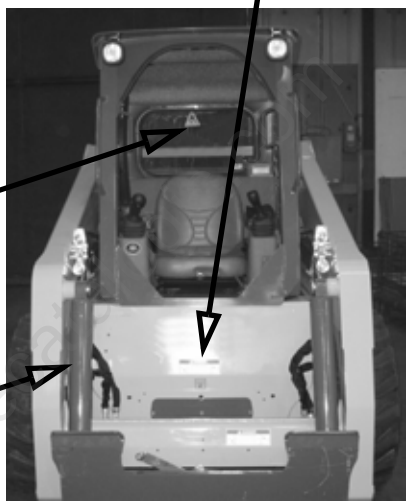
ANSI-Style Safety Decals on the outside of the Loader

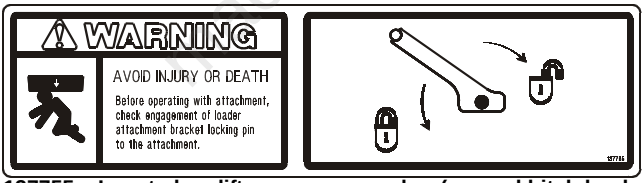


137655 – Located on front of loader

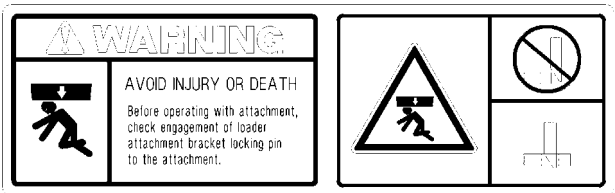


132166 – Located on rear window emergency exit





137755 – Located on lift arm crossmember (manual hitch loaders only)



139101 – Located on lift arm crossmember (power hitch loaders only)

Note: *The auxiliary hydraulic circuit can be detented in the "on" position for continuous operation with the restraint bar raised and operator out of the seat. (See Auxiliary Hydraulic Controls, page 36.)*

Testing the Safety Interlock System

Before exiting the machine, check the safety interlock system for proper operation:

Restraint Bar

With the engine running, raise the restraint bar. Test each of the controls. There should be no more than a slight movement of the lift arm, hitch and machine. If there is any significant movement, troubleshoot and correct the problem immediately. Contact your dealer if necessary.

Seat Switch

With the engine off and the restraint bar lowered, unfasten the seatbelt, and lift your weight off the seat. Try to start the engine. If the engine starts, turn off the engine, troubleshoot and correct the problem. Contact your dealer if necessary.

ROPS/FOPS

The ROPS/FOPS (Roll-Over/Falling Object Protective Structure) is designed to provide protection for the operator from falling objects and in a tip over accident, if the operator is secured inside the operator's compartment by the seatbelt and restraint bar.

⚠ WARNING **Never operate the loader with the ROPS/FOPS removed or locked back.**

Parking Brake

This skid-steer loader is equipped with a spring-applied, hydraulic-released parking brake. The parking brake engages when the operator lifts the restraint bar, exits the seat or shuts off the engine. The brake can also be applied manually by using the switch located on the left instrument panel. A red indicator in the switch lights when the parking brake is applied.

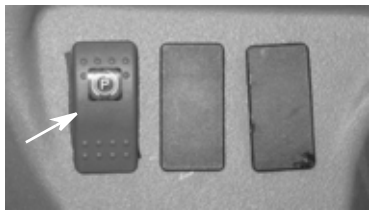


Figure 2 Parking Brake Switch

machine-catalog.com

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 of 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 "float" position, push and hold the left button on the right-hand control. This mode allows the lowered lift arm to follow the ground contour while traveling over changing ground conditions. An indicator lamp in the left instrument panel will blink when float is activated.

⚠ WARNING **Never push the float control button with the attachment raised, because this will cause the lift arm to lower very rapidly.**

Releasing the float button will cancel the float mode if the button was pressed less than five seconds. If the float mode button is pressed longer than five seconds, the float feature will stay on and the float indicator lamp will stay lighted until the button is pressed again or the machine is turned off.

machinecatalogic.com

⚠ 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, 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 (Figure 18).

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

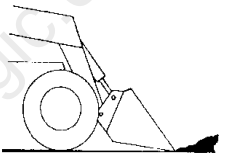


Figure 18 Digging

⚠ WARNING **Always carry the loaded bucket with the lift arm resting on the loader frame. For additional stability when operating on inclines, always travel with the heavier end of the loader 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 (Figure 19).

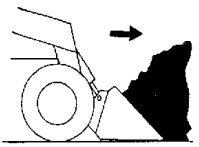


Figure 19 Loading

mechniccatalogic.com

Chaincases

There is a chaincase on each side of the loader. Refer to the *Maintenance Interval Chart* (page 81) for change intervals. Refer to the *Lubrication* chart (page 56).

Checking and Adding Oil

1. Park the loader on a level surface. Stop the engine.
2. Remove the fill check plug (Figure 30) from each chaincase cover. The oil level should be at the plug level or no more than 1/4 in. (6 mm) below.
3. If the level is low, add fluid through the fill plug (Figure 30) until the oil level reaches the check plug hole. Reinstall the plugs.

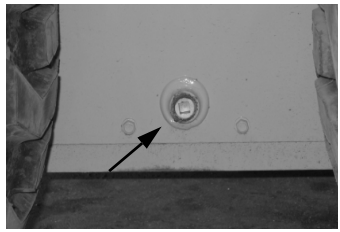


Figure 30 Fill Plug Location

Draining Oil

1. Park the loader on a level surface, or on a sloping surface with the loader facing downhill and the tires blocked.
2. Remove the drain plug on each chaincase (Figure 31) and drain the oil into a suitable container.
3. Reinstall and tighten the drain plugs.
4. Refill the chaincases at the fill plugs.



Figure 31 Drain Plug

machinecatalogic.com

Hydraulic System

Problem	Possible Cause	Remedy
Hydraulic cylinder action is slow for lift and/or tilt functions.	Low engine speed.	Operate engine at higher speed.
	Hydraulic oil viscosity too heavy.	Allow longer warm-up or replace with proper viscosity oil.
	Hydraulic oil level low.	Check oil level in reservoir. If oil is low, check for an external leak. Repair and add oil.
	Hydraulic oil leaking past cylinder piston seals.	Contact your dealer.
	Worn pump.	Contact your dealer.
	Solenoid valve malfunctioning or one of the two cartridges on solenoid valve is malfunctioning.	Check electrical connections to pilot solenoid and repair connections as needed. If solenoid valve is still not functioning properly, contact your dealer.
Bucket does not level on the lift cycle.	Self-leveling valve misadjusted or malfunctioning.	Contact your dealer.
Jerky lift arm and bucket action.	Seat or restraint bar switch malfunctioning.	Contact your dealer.
	Air in hydraulic system.	Cycle/lift and tilt cylinders to maximum stroke and maintain pressure for short time to clear air from system.
	Oil in hydraulic reservoir low.	Check and add oil.
No down pressure on the bucket.	Float or Hydroglide activated.	Turn off float and Hydroglide.
	Tilt cylinders malfunctioning.	Contact your dealer.
Bucket drifts down with tilt control in neutral.	Oil leaking past tilt cylinder seals (internal or external).	Contact your dealer.
	Self-leveling valve is malfunctioning.	Contact your dealer.
	Leaking hydraulic hoses, tubes or fittings between control valve and cylinders.	Check oil level in reservoir. If oil is low, check for external leaks, repair and add oil.
Bucket will not tilt, lift arm works properly.	Tilt spool in control valve not actuated or leaking.	Check tube connections to valve.
Lift arm does not raise, bucket tilt works properly.	Lift spool in control valve not actuated or leaking.	Check tube connections to valve.

machinecatalog.com

INDEX

A

Accessory Plug 23
Adjustments 54
  Control Handles 54
Air Conditioner
  Operation 24
Alternator/Fan Belt 68
Attachments 25, 41
Auxiliary Hydraulic Controls
  High-Flow 36
  Standard-Flow 36

B

Battery 71
  Jump-starting 40
Bucket Cutting Edge 68
Bucket Usage 43
  Digging with a Bucket 43
  Driving on an Incline 43
  Driving over Rough Terrain 43
  Dumping into a Truck (or Hopper) 44
  Dumping onto a Pile 44
  Dumping over an Embankment 44
  Leveling the Ground 45
  Loading a Bucket 43
  Scraping with a Bucket 44

C

Capacities and Ratings 88
Chaincases 57
  Checking and Adding Oil . . 57
  Draining Oil 57
Cold-Starting Procedure 38
Common Materials and Densities 89
Control/Indicator Symbols 3
CONTROLS and SAFETY EQUIPMENT 19
Cooling System 69
  Cleaning 69

D

Dealer Services 51
Dome Light 24
Drive Chains
  Adjusting Chain Tension . . 58
  Checking Chain Tension . . 58

E

Emergency Exit 22
Engine Air Cleaner 58
Engine Compartment Access 53
Engine Mounting Hardware . . . 62
Engine Service 61
  Changing Fuel Filter 62
  Changing Oil and Filter . . . 62
  Checking Oil Level 62
Engine Speed Control 24

F

Fuel 37
Fuse Panel 71

G

Guards and Shields 19

H

Hand/Foot Controls 34
  Auxiliary Hydraulic System 36
  Drive Controls 34
  Lift/Tilt Controls 35
Heater
  Filter Service 70
  Operation 24
Heater and Air Conditioner
  Operation 24
Highway Travel 48
Horn 22
Hydraglide Ride

tractormanualcatalogs.com

Full Version Available

Mustang 2700V Skid Steer Loader Operator Manual

Mustang 2700V skid steer loader operator manual 917417 Rev. B: safety, controls, operation, maintenance, troubleshooting. Instant PDF download.

VIEW THE FULL MANUAL

https://machinecatalogic.com/mustang-2700v-skid-steer-loader-operator-manual/

Publication No.: 917417 (Rev. B) · Language: English · Edition: March 2010