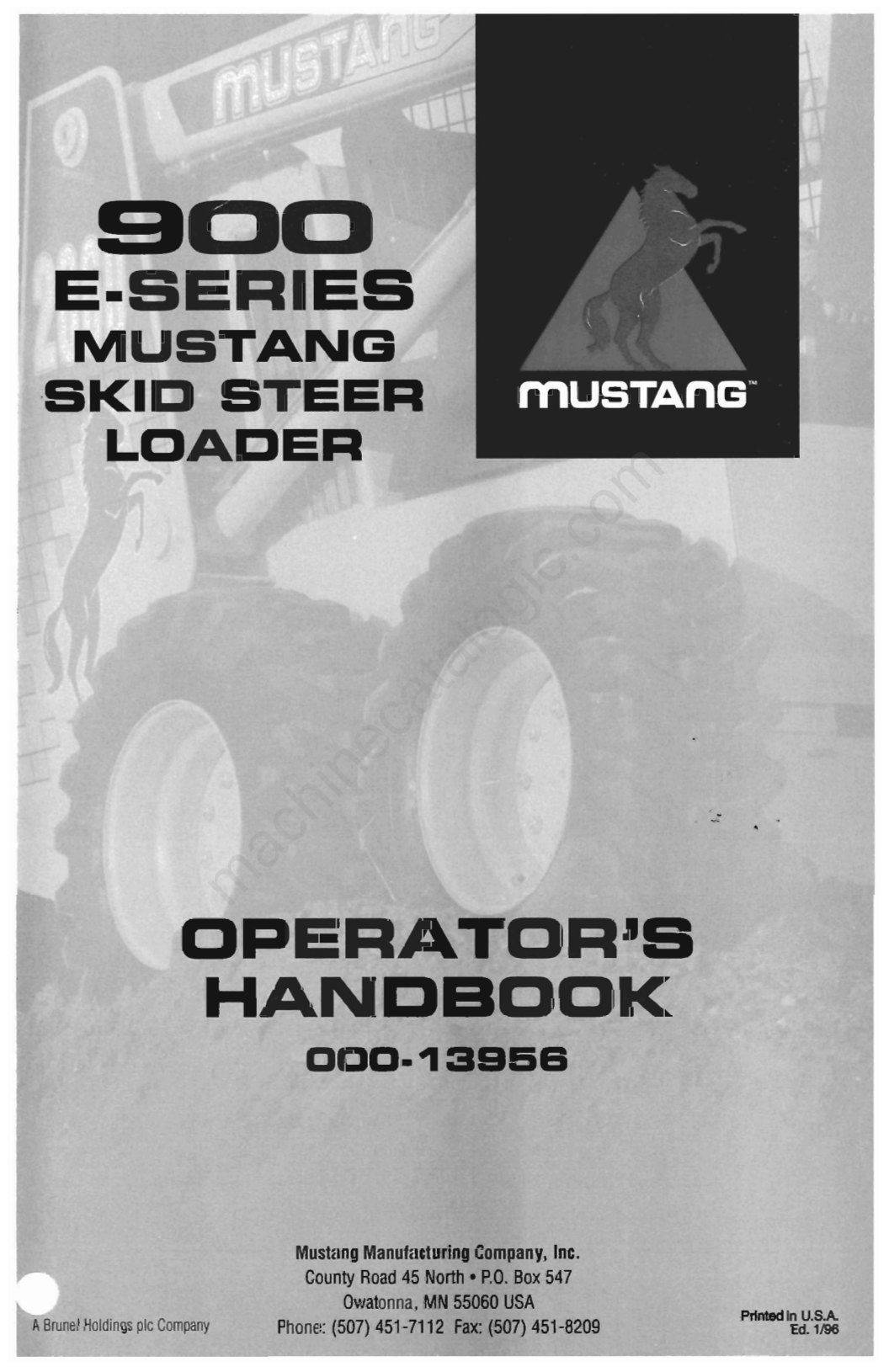


900 E-SERIES MUSTANG SKID STEER LOADER

MUSTANG™

OPERATOR'S HANDBOOK

ODO-13956

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Mustang 900 E-Series Skid Steer Loader Operator Manual

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Brand: Mustang

Models: 900 E-Series

Machine: Skid Steer Loader

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Main contents

- Foreword
- Safety
- Operating Instructions
- Attachments and Buckets
- Leveling Ground
- Loader Specifications

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Sample pages follow. Full manual: machinecatalogic.com

SAFETY FIRST

SAFETY IS THE OPERATOR'S RESPONSIBILITY

The skid steer loader is a highly maneuverable and compact machine. It is rugged and useful under a variety of conditions. Because of this, the operator may be faced with hazards associated with off-highway, rough terrain applications.

The loader is operated by an internal combustion engine which exhausts gases and heat. All exhaust gases can kill or cause illness, so adequate ventilation should be used. Heat can cause burns or other associated injuries. The loader is equipped with a spark arrestor to allow operation in certain areas.

Ask the dealer to demonstrate the safe use of the loader and associated attachments. Read and follow the instructions indicated in this manual, the Operator's Manual and the EMI manual which is included with the loader.

The user/operator must ensure the loads can be handled in a safe manner over the terrain through which the machine must operate. Safe loads of materials of specified densities for the loader attachment combination can be obtained from Mustang literature or from the dealer.

Failure to follow the safety instructions could lead to severe injury or death to the operator or bystander, or at the very least, damage to property. If the operator is unsure about proper procedures to follow, contact the Mustang loader dealer or Mustang Manufacturing for clarification or demonstration.

Several manuals, including the operation and maintenance manual, the EMI manual and the Operator's Handbook are delivered with the loader and must stay with the loader when it is sold or transferred to a distant site where it may be serviced at a later date. Replacement manuals can be ordered from your Mustang loader dealer.

The loader has machine signs (decals) which give instructions for safe operation and care. The signs (decals) and their locations are shown in this manual on pages 7 and 8. Replacement signs (decals) are available from your local Mustang loader dealer.

The Mustang loader is also equipped with an Operator's Handbook fastened to the operator's station in a lockable compartment. The Service Manual and Parts Manual are available from your Mustang loader dealer for use by qualified mechanics to do shop-type service and repair work.

Safety is the ultimate responsibility of the operator. The operator must be trained properly to move, turn, stop, and undertake other characteristics the machine is capable of performing. Failure to comply can lead to serious injuries or even death.

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Twin Lever System (Optional)

The Mustang loader is also available with a twin lever system. The steering levers (Item 1) **[A]** are on the right and left side in front of the operator seat.

The steering levers control forward and reverse travel of the loader **[B], [C].**

For safe control of the Mustang loader, always move the levers slowly and smoothly. Only a small movement of either lever will move the loader.

To drive the loader forward in a straight line, move both levers forward the same distance. The further the levers are moved the faster the until will travel.

To drive the loader in reverse in a straight line, move both levers back the same distance. Again, the further the levers are moved the faster the unit will travel.

The loader is steered by moving one lever further than the other. To turn right, move the left lever further forward than the right lever **[D]**. To turn left, move the right lever further forward than the left lever **[E]**.

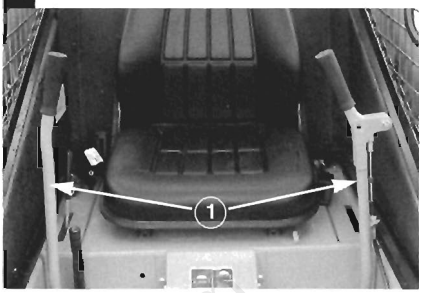
To turn a skid steer loader within its own length. One lever is moved forward and the other is moved backward, forcing one side to move opposite of the other.

Forward and reverse movement of the steering levers can be made at any engine speed, or any travel speed in forward or reverse.

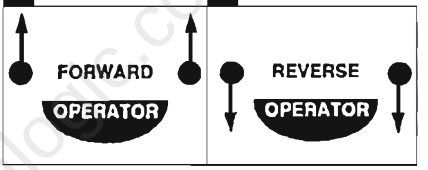
The steering system also acts as a brake. For example, if the machine is moving forward, pull the levers back slightly toward the reverse position to stop the machine. Conversely, if going backwards, push the levers forward to slow the machine and change direction.

Gradual, controlled, and counter-rotating turns can be obtained with proper control of levers.

A

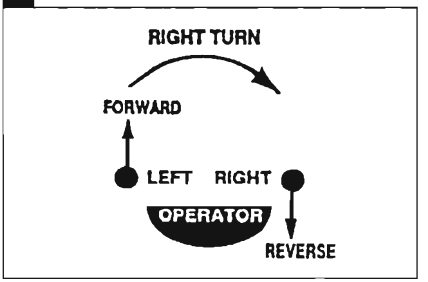


B

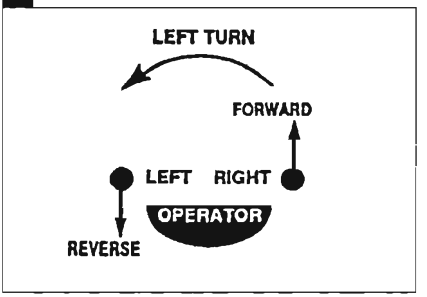


C

D



E



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DAILY INSPECTION

The loader must be in good operating condition **[A]**

Check the following items:

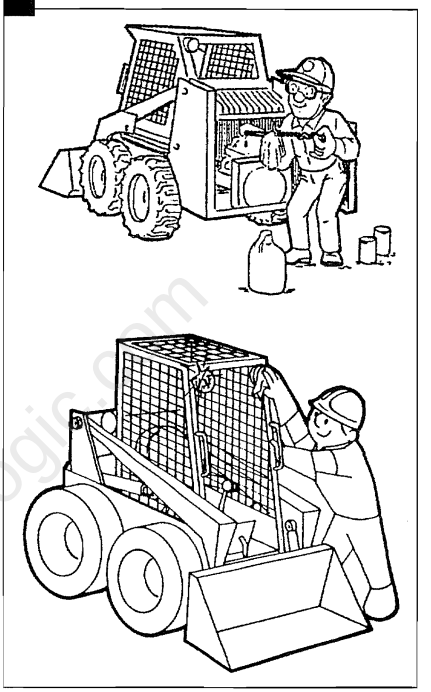
- Engine Oil
- Hydraulic/Hydrostatic Fluid
- Engine Cooling System
- Operator Cab, Seat Belt, Seat Bar & Pedal Interlocks
- Lift Arm & Cylinder Pivot Pins
- Tires & Tire Pressure
- Any Loose or Broken Parts
- Safety Tread & Safety Signs

Follow the maintenance requirements on the Service Schedule Decal, located inside the engine compartment **[B]**

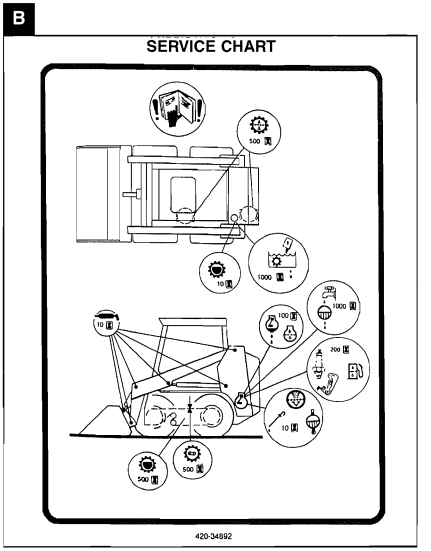
⚠ WARNING

Instructions are necessary before operating or servicing machine. Read Operation & Maintenance Manual. Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Failure to follow instructions can cause injury or death.

A



B



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Digging Into the Ground

Approach digging site with lift arm slightly raised and bucket tilted forward until it contacts the ground **[A]**.

Break the ground by driving forward and lowering the lift arm gradually as the machine is driven forward. Use only sufficient bucket digging angle to easily fill the bucket **[B]**.

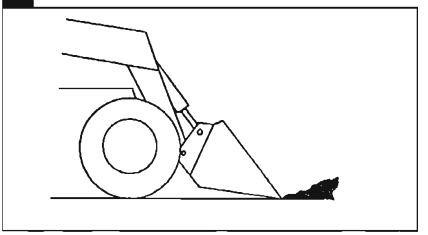
In very hard ground, use of optional bucket teeth is recommended. Reducing engine speed to 3/4 throttle will allow smoother digging when the first cut is made.

Raise the bucket cutting edge slightly to maintain uniform depth and give added traction. Drive forward until the bucket is filled **[C]**.

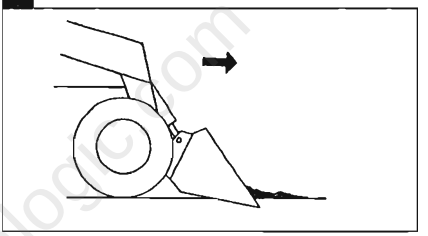
Roll the bucket up and back away from the cut **[D]**.

When starting an excavation, use as flat a ramp as possible. Plan so that most of the work can be done with the loader being driven forward out of the excavation, rather than being backed out. When driving the machine up an incline, always be sure the heavy end of the machine goes up first. If the machine has a load in the bucket, the machine should be driven up forward. If the bucket is empty, drive up the slope backwards.

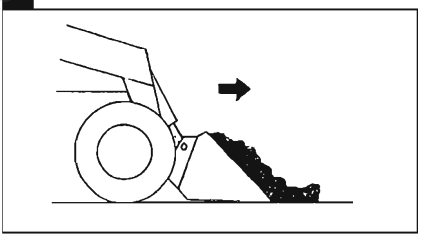
A



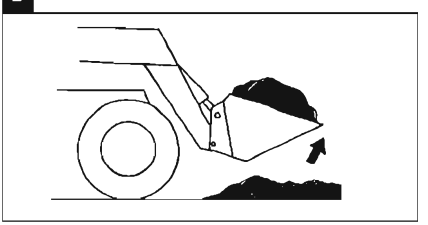
B



C



D



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WEIGHTS OF MATERIALS

MATERIAL	Weight Lbs./Cu. Ft.	Weight Lbs./Cu. Yd.	MATERIAL	Weight Lbs./Cu. Ft.	Weight Lbs./Cu. Yd.
Ashes	40	1080	Granite, Crushed	103	2778
Basalt, Broken	122	3300	Gravel		
Solid	188	5076	Loose	100	2700
Cement, Portland	100	2700	Gravel and Sand	111	3000
CInders	30	810	Gravel, Sand and Clay,		
Clay, Dry Lumps	67	1822	Stabilized		
Wet Lumps	100	2700	Loose	100	2700
Coal			Compacted	150	4050
Anthracite, Broken	69	1857	Gypsum, Crushed	100	2700
Bituminous, Broken	52	1413	Ice, Solid	57	1550
Earth, Dry, Loose	70	1890	Limestone, Crushed	97	2625
Earth, Dry, Rammed	90	2430	Mud, Fluid	118	2916
Earth, Dry, Shaken	82	2214	Packed	110	3200
Earth, Damp, Loose	78	2106	Phosphate Rock, Broken	110	2970
Earth, Damp, Packed	96	2592	Rip-Rap, Limestone	80	2160
Earth and Gravel, Dry,			Rip-Rap, Sandstone	90	2430
Loose	100	2700	Shale, Broken	110	2970
Earth and Gravel, Dry,			Stone, Crushed	100	2700
Rammed	120	3240	Trap Rock, Broken	109	2950
Earth and Gravel, Wet	120	3240			
Earth and Sand, Dry,					
Loose	100	2700			
Earth and Sand, Dry,					
Rammed	120	3240			
Earth and Sand, Wet	120	3240			

BUCKET CAPACITIES

Order No.	Bucket Width in (mm)	Desc. Type	Capacity cu. ft.	Fits Mustang Models
693-404	48 (1209)	Utility	11.5	930A
633-403	49 (1244)	E & F	6.8	920
532-403	49 (1244)	E & F	8.0	920
633-456	49 (1244)	E & F w/teeth	8.0	920
531-404	47 (1194)	Utility	9.0	920
532-404	52 (1321)	Utility	9.0	920
532-406	52 (1321)	Light Material	11.0	920
634-411	56 (1423)	E & F	9.0	930A, 940
512-405	56 (1423)	Utility	13.5	930A, 940
512-411	56 (1423)	E & F	10.0	930A, 940
693-456	56 (1423)	E & F w/teeth	9.5	930A, 940
634-426	60 (1524)	Utility	10.0	930A, 940
512-426	62 (1575)	E & F	11.0	940
644-456	62 (1575)	E & F w/teeth	11.0	940
694-426	62 (1575)	E & F/Utility	13.0	940
532-407	64 (1626)	Light Material	11.0	930A
504-404	65 (1651)	Utility	14.0	940
505-405	65 (1651)	Utility	14.5	940
554-411	67 (1704)	Utility	16.0	940
504-406	67 (1704)	Light Material	20.5	940

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