TELEHANDLERS

634 Telehandler Operator's Manual

#908475
Revision C

S/N 71101 and Before

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Mustang Manufacturing Company, Inc., A Gehl® Company

Mustang 634 Telehandler Operator Manual (908475C)

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Models: 634

Machine: Telehandler

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Main contents

- International Symbols
- Introduction
- Specifications
- Check Lists
- SAFETY
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- Electrical Schematics
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- Standard Hardware Torque Data
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Sample pages follow. Full manual: machinecatalogic.com

Chapter 3

CHECKLISTS

PRE-DELIVERY

The following Checklist is an important reminder of valuable information and inspections that MUST be made before delivering the Telehandler to the customer. Check off each item after prescribed action is taken.

✔ Check that:

- ❑ NO parts of machine have been damaged in shipment. Check for such things as dents and loose or missing parts; correct or replace components as required.
- ❑ Battery is securely mounted and not cracked. Cable connections are tight. Electrolyte at proper level.
- ❑ Cylinders, hoses and fittings are not damaged, leaking or loosely secured.
- ❑ Oil, fuel and air filters are not damaged, leaking or loosely secured.
- ❑ All grease fittings have been properly lubricated and no fittings are missing; see LUBRICATION chapter of this manual.
- ❑ Wheel nuts are torqued to 450 ft.-lbs. (610 Nm).
- ❑ Tires are inflated to 55 psi (380 kPa) cold.
- ❑ Hydraulic system reservoir, engine crankcase, engine coolant, transmission and axles are filled to the proper operating fluid levels.
- ❑ All adjustments have been made to comply with the settings given in this manual and in the separate engine manual.
- ❑ All guards, shields and decals are in place and securely attached.
- ❑ Model and Serial Numbers for this unit are recorded in space provided on this page and page 1.

Start the machine and test-run the unit while checking that proper operation is exhibited by all controls.

✔ Check that:

- ❑ All indicators (lamps, switches, etc.) function properly.
- ❑ All hand and foot controls operate properly.
- ❑ Boom, Quick-attach System with attachment tool and frame level control all function properly.
- ❑ No hydraulic system leaks when under pressure.
- ❑ Listen for abnormal noises or vibrations; if detected, determine their cause and repair as necessary.

I acknowledge that pre-delivery procedures were performed on this unit as outlined above.

_____
Dealership's Name

_____
Dealer Representative's Name

_____
Date Checklist filled-out

_____
Machine Model # Machine Serial # Engine Serial #

DELIVERY

✔ Check that:

The following Checklist is an important reminder of valuable information that MUST be passed on to the customer at the time the unit is delivered. Check off each item as you explain it to the customer.

- ❑ Review with the customer the contents of the Safety Manual and this manual for the following:
- ❑ The *Index* at the back, for quickly locating topics;
- ❑ The SAFETY; INDICATORS AND CONTROLS; and OPERATION AND ADJUSTMENTS chapters for information regarding safe use of the machine.
- ❑ The LUBRICATION, SERVICE AND STORAGE chapters for information regarding proper maintenance of the machine. Explain that regular lubrication and maintenance are required for continued safe operation and long life.
- ❑ Give this Operator's Manual and the Safety Manual to the customer and instruct them to be sure to read and completely understand its contents BEFORE operating the unit.
- ❑ Remind the customer of U.S. OSHA regulation 1910.178 (l), which specifies operator training requirements.
- ❑ Explain that the customer MUST consult the Engine Manual (provided) for related specifications, operating adjustments and maintenance instructions.
- ❑ Completely fill out the Owner's Registration, including customer's signature, and return it to the Company.

_____
Customer's Signature

_____
Date Delivered

(Dealer's File Copy - Remove at Perforation)

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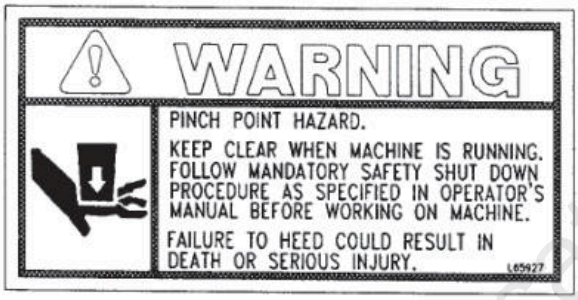
SAFETY



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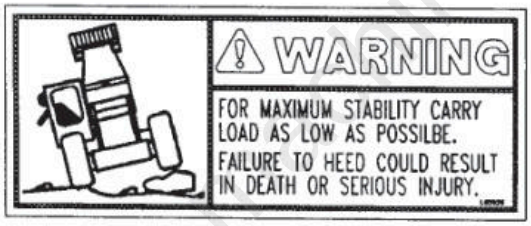
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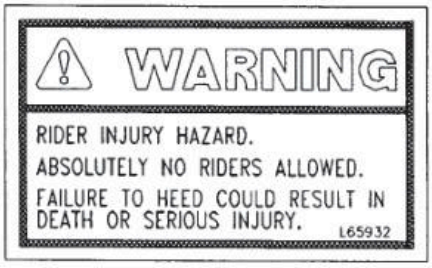
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Chapter 6

OPERATION AND ADJUSTMENTS

GENERAL INFORMATION

CAUTION

BEFORE starting the engine and operating the Telehandler, review and comply with ALL safety recommendations set forth in the SAFETY chapter of this manual. Know how to STOP the machine before starting it. Also, BE SURE to fasten and properly adjust the seat belt.

ENGINE BREAK-IN

Your new engine does not require extensive "break-in." However, for the first 100 hours of operation, keep the following in mind: Allow the engine to idle for a few minutes after every cold start. DO NOT idle the engine for long periods of time. DO NOT operate the engine at maximum power for long periods of time. Check the oil level frequently and replenish, as necessary.

John Deere engines use a "break-in" oil for the first 100 hours of operation. After the first 100 hours of operation, change the oil and replace the oil filter. Consult the LUBRICATION chapter or your engine manual for the type and grade of oil to use. Refer to the SERVICE AND STORAGE chapter for the proper service intervals.

PRESTART INSPECTION

It is the operator's responsibility to inspect the machine before the start of each workday. Every Prestart Inspection must include more than simply checking the fuel and oil levels. It is a good practice to personally inspect any machine you are assigned to use, even though it has already been put into service by other personnel.

The most efficient method of checking a machine is by conducting a "Walk-Around Inspection."

BEFORE STARTING ENGINE

Before starting the engine and running the machine, refer to the INDICATORS AND CONTROLS chapter and familiarize yourself with the various operating controls, indicators and safety features.

STARTING THE ENGINE

Before mounting the operator's compartment, walk completely around the machine to be sure no one is under, on, or close to it. Let others in the area know you are going to start up, and wait until everyone is clear of the machine.

WARNING

ALWAYS fasten your seatbelt BEFORE starting the engine. Leave the parking brake "engaged" until the engine is running and you are ready to operate the machine.

The following procedure is recommended for starting the engine:

1. Carefully step up and grasp the hand holds to step into the operator's compartment.

2. Adjust the seat and fasten the seatbelt.

3. Check that all controls are in their "neutral" positions, except the parking brake lever, which should be in the "ON" position.

4. Adjust the position of the steering wheel tilt to provide comfortable handling.

5. Turn the keyswitch to the "ON" position and press the start button. If the button is released before the engine starts, turn the keyswitch to the "OFF" position, and allow the starter to stop before attempting to start again.

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Keep all body parts inside the operator's station while operating the machine. BE SURE of clearance for the attachment tool when turning, working around buildings, etc.

Turning corners too fast can tip the machine, or cause a load to tip off the attachment. Sudden slowing or stopping of the machine may cause the load to drop off the attachment tool.

Be certain you can control both speed and direction before moving. Always place the machine in neutral and set the parking brake before raising or extending the boom. NEVER drive the machine up to someone standing in front of the load.

NEVER leave the operator's station without first lowering the attachment tool to the ground. Set the parking brake, place controls in neutral, shut off the engine and remove the key. AVOID parking the machine on a slope, but if necessary, park across the slope and block the tires.

Load Capacity and Reach

This machine has flip-charts in the operator's station that provide, at a glance, the capacity limits at various positions of attachment tool extension and elevation. A set of load zone charts is reproduced at the end of this manual for reference.

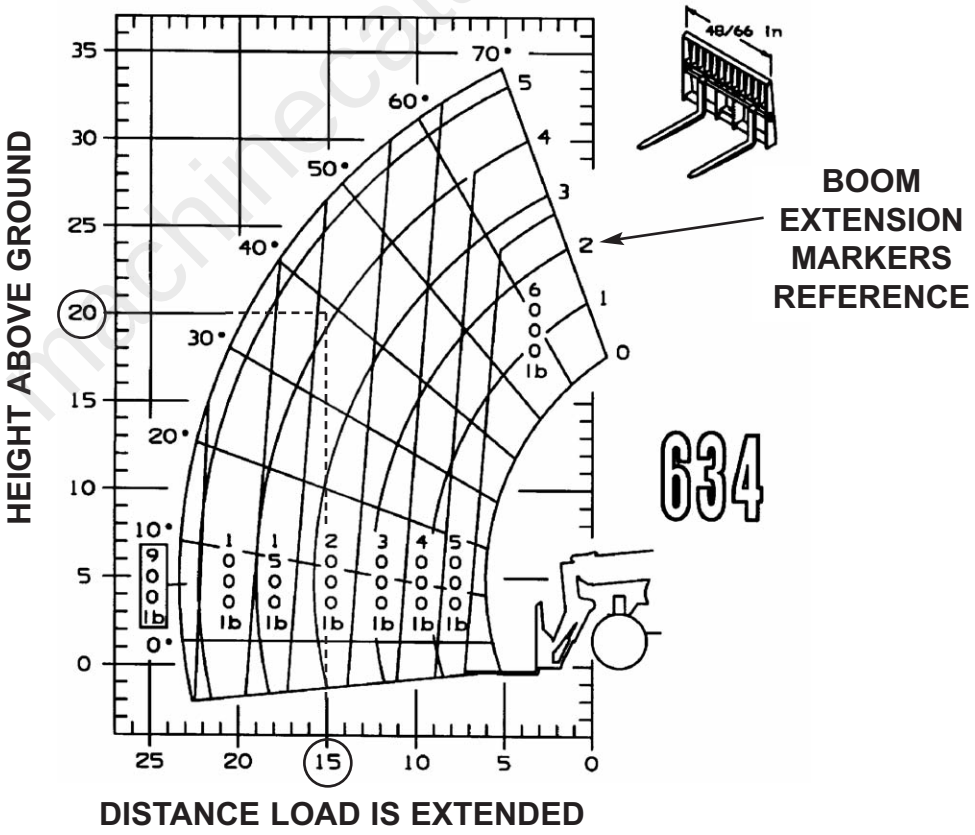
A typical load zone chart is shown below. The scale on the left indicates height in feet above ground level. The scale on the bottom shows the distance in feet out from the front of the machine. The arc lines noted by the numbers "1" through "5" correspond with the position extension markers on the operator side of the intermediate boom section.

The following example illustrates proper use of the load zone charts for the Telehandler:

Example:

The operator, using a standard carriage attachment tool, wants to raise a 2000 lb. load 20 feet high, but can only get to within 15 feet of the load placement point. Can it be done within the capacity of the machine?

Analysis: See "Typical Load Zone Chart" below.



Typical Load Zone Chart

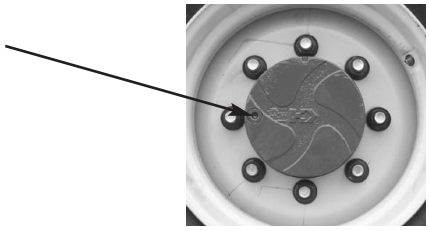
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See the LUBRICATION chapter of this manual for the proper oil specification. Replace the oil level check/fill plug.

Planetary Hubs

NOTE: *The planetary hubs can be checked without jacking up the machine.*

See illustrations below. The planetary hubs have one plug each used for filling and draining. For checking the level and filling, position the Wheel until the arrow points down. Remove the plug. If oil does not run out, add oil until it flows from the hole. Check the remaining hubs the same way. Refer to the oil specifications found in the LUBRICATION chapter of this manual.



CHANGE FUEL FILTER

The frequency of filter replacement will be determined by the cleanliness of available fuel, the care used in storing fuel supplies and the operating conditions in which the machine is used.

NOTE: *For proper replacement procedures refer to the engine manual for your machine.*

WARNING

NEVER service the fuel system while smoking, while near an open flame, or after the engine has been operated and is hot.

After fuel filter replacement, bleed the air out of the fuel system following the procedures in the engine manual.

Fuel Bleeding Procedures

When the fuel filter is removed and replaced, or the engine runs out of fuel, air must be bled from the system. Refer to the engine manual for the proper bleeding procedures.

If the engine still will not start, consult your nearest authorized engine dealer.

NOTE: *Only an authorized engine dealer can perform WARRANTY service on the engine.*

Diesel Fuel Injectors

Whenever faulty or plugged injectors are indicated, see your nearest authorized engine dealer.

Diesel Injection Pump Timing

Whenever injection pump timing, or other pump service is indicated by abnormal engine operation, contact your nearest authorized engine dealer.

WARNING

Escaping diesel fuel under pressure can have sufficient force to penetrate the skin. Before applying pressure to the fuel system, BE SURE all connections are tight and lines and hoses are NOT damaged. Use a piece of wood or cardboard to search for suspected leaks. If injured by escaping fuel, see a doctor familiar with this type of injury at once or gangrene may result.

CHANGE ENGINE OIL AND FILTER

Change the engine oil and filter using the following procedure:

1. With the engine warm, remove the crankcase drain plug. Some plugs are equipped with a magnet to gather metal particles. Completely clean and flush away all metallic filings from the plug and re-install it.

IMPORTANT: *DO NOT discharge oil onto the ground. Catch and dispose of per local waste disposal regulations.*

2. The engine oil filter should be changed at every oil change interval. Remove and discard the throw away filter canister. Wipe the gasket sealing area of the block with a clean cloth.

NOTE: *Your OEM engine oil filters have special by-pass valves built in. Use only genuine OEM engine replacement filters.*

3. Apply a thin coat of clean oil to the new oil filter gasket and spin tighten. Refill the crankcase with new oil. Follow specifications in the LUBRICATION chapter for type and viscosity of new oil to put in.

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Chapter 9

DECAL LOCATIONS

GENERAL INFORMATION

CAUTION

ALWAYS follow the safety precautions on decals. Replace decals if they are damaged, or if the unit is repainted. If repainting, be sure that all applicable decals are affixed in their proper locations.

Decal locations information is provided to assist in the proper selection and application of new decals, in the event original decals become damaged or the machine is repainted.

For correct replacement of decals, compare the location illustrations to your machine before starting to refinish the unit. Check off each required decal using the illustration reference number to find the part number, description and quantity in the list. Refer to the appropriate illustration for replacement locations.

NEW DECAL APPLICATION

Before applying the new decals, surfaces must be free from dirt, dust, grease and other foreign material. To apply a solid-formed decal, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth out decal surface. To apply a die-cut decal, first remove the backing paper. Then, properly orient and position the decal onto the clean mounting surface. After the decal is firmly applied and smoothly pressed down, remove the front covering paper.

PAINT FINISH

Use this list to order paint for refinishing:

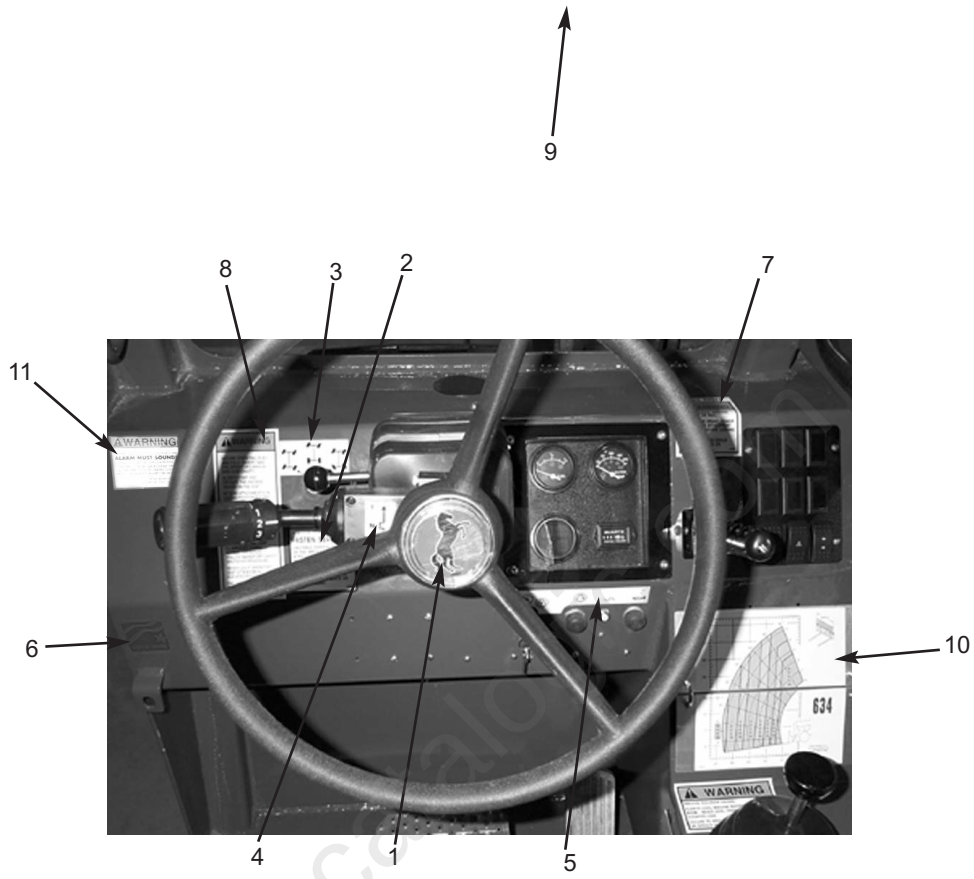
910101	6 (16 oz. Spray Can) Yellow
184771	One Gallon Yellow
184930	6 (16 oz. Spray Can) Gray
184765	One Gallon Gray

Decal Kits

L500599	Model 634

NOTE: *Decals may be purchased in kits or individually.*

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DECAL LOCATIONS - DETAILS IN OPERATOR STATION

REF. NO.	DESCRIPTION	PART NO.
01	MUSTANG - STEERING CAP	100401
02	WARNING - SEAT BELT	L65440
03	STEER SELECTOR	L63618
04	F-N-R CONTROL	L68295
05	IGNITION/HORN	L68513
06	MADE IN USA	094951
07	WARNING - PARK BRAKE	L65925
08	WARNING - OPERATOR	L63690
09	WARNING CARRY LOAD LOW	093475
10	LOADCHART-ROTATING CARRIAGE	100658
10	LOADCHART-TRUSS BOOM	100659
10	LOADCHART-STANDARD CARRIAGE	100657
10	LOADCHART-BUCKET	100660
10	LOADCHART - WINCH	100661
11	WARNING - BACKUP ALARM	L500445

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Full Version Available

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