642
842
844

TELEHANDLER

OPERATOR'S MANUAL

Revision A - 11/07

machinecatalogic.com

PART #913288

Mustang Manufacturing Company, Inc.

Mustang 642, 842 and 844 Telehandler Operator Manual (913288A)

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

Brand: Mustang

Models: 642, 842 and 844

Machine: Telehandler

Publication No.: 913288 (Rev. A)

Edition date: November 2007

Language: English

Main contents

- International Symbols
- Introduction
- Specifications
- Check Lists
- SAFETY
- Indicators and Controls
- Operation and Adjustments
- Lubrication
- Service and Storage
- Decal Locations
- Maintenance
- Hydraulic Schematics
- Electrical Schematics
- Load Zone Charts
- Standard Hardware Torque Data
- Index
- Warranty

machinecatalogic.com

Sample pages follow. Full manual: machinecatalogic.com

Chapter 1

INTRODUCTION

The information in this Operator's Manual was written to give the owner/operator assistance in preparing, adjusting, maintaining and servicing of the Telehandler. More important, this manual provides an operating plan for safe and proper use of the machine. Major points of safe operation are detailed in the **SAFETY** chapter of this manual.

The Mustang Manufacturing Company asks that you read and understand the contents of this manual COMPLETELY and become familiar with the machine before operating it.

This Telehandler is primarily intended for use as a material handler. However, it may be equipped with an optional system: the Work Platform Safety (WPS) System, which is intended for use when lifting personnel. When there is no other practical option available, this machine, when equipped with the WPS System, is approved for use to lift personnel, but only with an approved work platform, with the WPS System activated, and in full compliance with the "Mandatory Work Platform Safety Rules" (see SAFETY chapter).

The use of this Telehandler is subject to certain hazards that cannot be eliminated by mechanical means, but only by the exercise of intelligence, care and common sense. It is therefore essential to have competent and careful operators, who are not physically or mentally impaired, and who are thoroughly trained in the safe operation of the equipment and the handling of the loads.

Throughout this manual information is provided that is set in *italic* type and introduced by the word **IMPORTANT** or **NOTE.** Be sure to read carefully and comply with the message or directive given. Following this information will improve operating and maintenance efficiency, help to avoid breakdowns and damage, and extend the machine's life. A chart of standard hardware torques is located in the back of this manual.

A storage pocket on the back of the seat is provided for storing the Operator's Manual. After using the manual, please return it to the pocket and keep it with the unit at all times! If this machine is resold, Mustang Manufacturing Company recommends that this manual be given to the new owner.

If this machine was purchased "used," or if the owner's address has changed, please provide your Mustang dealer or Mustang Manufacturing Company Service Department with the owner's name and current address, along with the machine model and serial number. This will allow the registered owner information to be updated, so that the owner can be notified directly in case of an important product issue, such as a safety update program.

"Right" and "left" are determined from a position sitting on the seat and facing forward.

The wide Mustang dealership network stands ready to provide any assistance that may be required, including genuine Mustang service parts. All parts should be obtained from or ordered through your Mustang dealer. Give complete information about the part and include the model and serial number of the machine. Record the serial number in the space provided on the previous page, as a handy record for quick reference.

Mustang Manufacturing Company reserves the right to make changes or improvements in the design or construction of any part without incurring the obligation to install such changes on any unit previously delivered.

Mustang, in cooperation with the Society of Automotive Engineers, has adopted this

Safety Alert Symbol



to identify potential safety hazards, which, if not properly avoided, could result in injury. When you see this symbol in this manual or on the machine itself, you are reminded to BE ALERT! Your personal safety is involved!

machineseekers.com

SAFETY

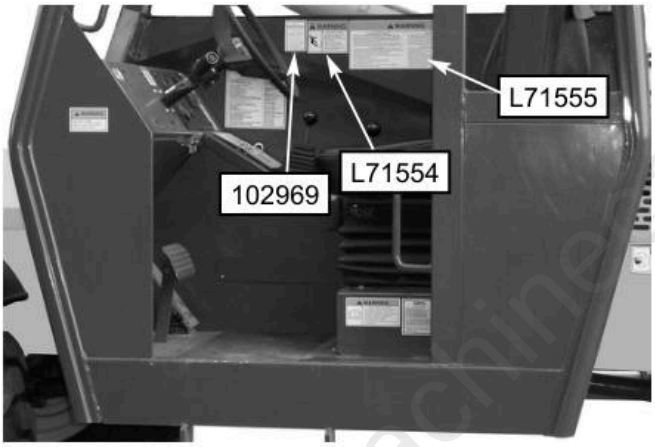
WPS System Decals

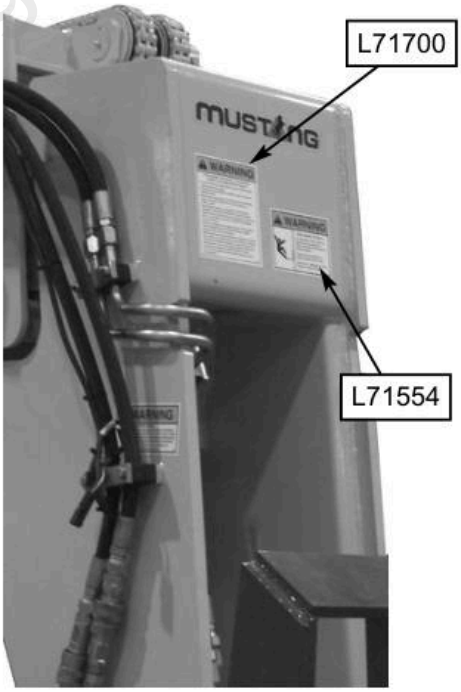
L71554



L71555

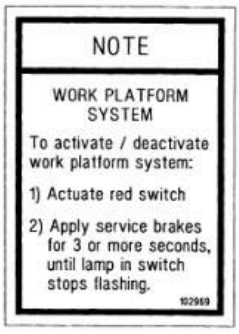








L71700



102969

machinecatalogic

until it has been restored to a safe operating condition.

Operate the travel controls gradually and smoothly when starting, stopping, turning and reversing direction.

Grade and Slope Precautions

The Telehandler complies with industry stability test requirements and is stable when properly operated. However, improper operation, faulty maintenance, and poor housekeeping can contribute to a condition of instability and defeat the purpose of the standard.

The amount of forward and rearward tilt to be used is governed by the application. Although use of maximum rearward tilt is allowable under certain conditions, such as traveling with the load fully lowered, the stability of the machine, as determined by the industry standard tests, does not encompass consideration for excessive tilt at high elevations, or the handling of off-center loads.

Handle only loads within the capacity limits of the machine, and which are stable and safely arranged. When attachments are used, extra care should be taken in securing, manipulating, positioning and transporting the load.

Grade Limits

NOTE: *Grade limits are based on ANSI/ITSDF standard B56.6-2005.*

This telehandler meets or exceeds the safety standard (ANSI/ITSDF B56.6) stability limits for rough terrain forklifts. The stability tipping limits cover specific, controlled test conditions, which are extremes, and which are not intended to be achieved during normal worksite operations. The following specifications are provided only as information to the operator, and must not be used as a guideline for operating the telehandler. For safe operation, always follow the instructions and warnings provided in this manual.

1. DO NOT place or retrieve loads on an up or down slope or grade that exceeds 7% or 4°.
2. DO NOT travel up or down a grade or slope that exceeds 22% or 12° while loaded.
3. DO NOT place or retrieve loads on a side hill with a slope or grade that exceeds 12% or 7°. Regardless of terrain or position of wheels, the **FRAME MUST BE LEVEL,** as indicated by the level indicator on the ROPS/FOPS cross member.
4. DO NOT travel across a side hill that exceeds 18% or 10° grade. Regardless of the terrain or position of the wheels, the **FRAME MUST BE LEVEL,** as indicated by the level indicator on the ROPS/FOPS cross member. The attachment tool MUST be maintained at the “carry” position with the boom fully retracted, and attachment tool at minimum ground clearance.

When ascending or descending grades in excess of 5% or 3°, the machine should be driven with the load upgrade. An unloaded machine should be operated on all forward grades with the load handling attachment tool downgrade, tilted back if applicable, and raised only as far as necessary to clear the road surface.

Avoid turning if possible and use extreme caution on grades, ramps and inclines. Normally travel straight up and down the slope.

WARNING

DO NOT level the frame with the boom raised or extended. Only level the frame while stopped, and with the boom fully retracted and the attachment tool raised just enough to clear the ground.

Traffic Flow Patterns

Know and understand the traffic flow patterns of your jobsite. Know all Telehandler hand signals for safety. Utilize signal persons and be sure you can see the signal person and acknowledge the signals given.

When ramps must be used in transporting loads with the machine, the following are the minimum widths for safe travel:

Compacted dirt, gravel, etc.	12 ft. (3.6 m)
Woodboard, concrete, etc.	10 ft. (3.0 m)

Permanent aisles, roadways and passageways, floors and ramps must be clearly defined or marked. Permanent or temporary protrusion of loads, equipment, material and construction facilities into the usual operating area must be guarded, clearly and distinctively marked, or clearly visible.

Maintain a safe distance from the edge of ramps, platforms and other similar working surfaces.

machinecatalogic.com

⚠ WARNING

Tilt, lift, extend and leveling cylinders have counterbalance valves. These valves keep hydraulic fluid from entering and exiting the cylinders while they are not being activated, and they are under extremely high pressure. Before removing one of these valves, you ARE REQUIRED to call your Mustang dealer or Mustang Service Department. Failure to do so may result in serious injury or death.

Internal service on any of these components should only be performed by (or under the direction of) an authorized Mustang Telehandler dealer.

ELECTRICAL COMPONENTS

An electrical system schematic is provided, which includes instrumentation, electrical components and switch connections. It is located at the back of this manual and can be used as a guide for service reference, as required.

OPERATOR SERVICES

Some of the operator-related services will require access to components located inside the superstructure, under shields, hoods and covers. The chart on this page notes the components accessed in each particular area.

machinecatalogic.com

ACCESS TO COMPONENTS CHART

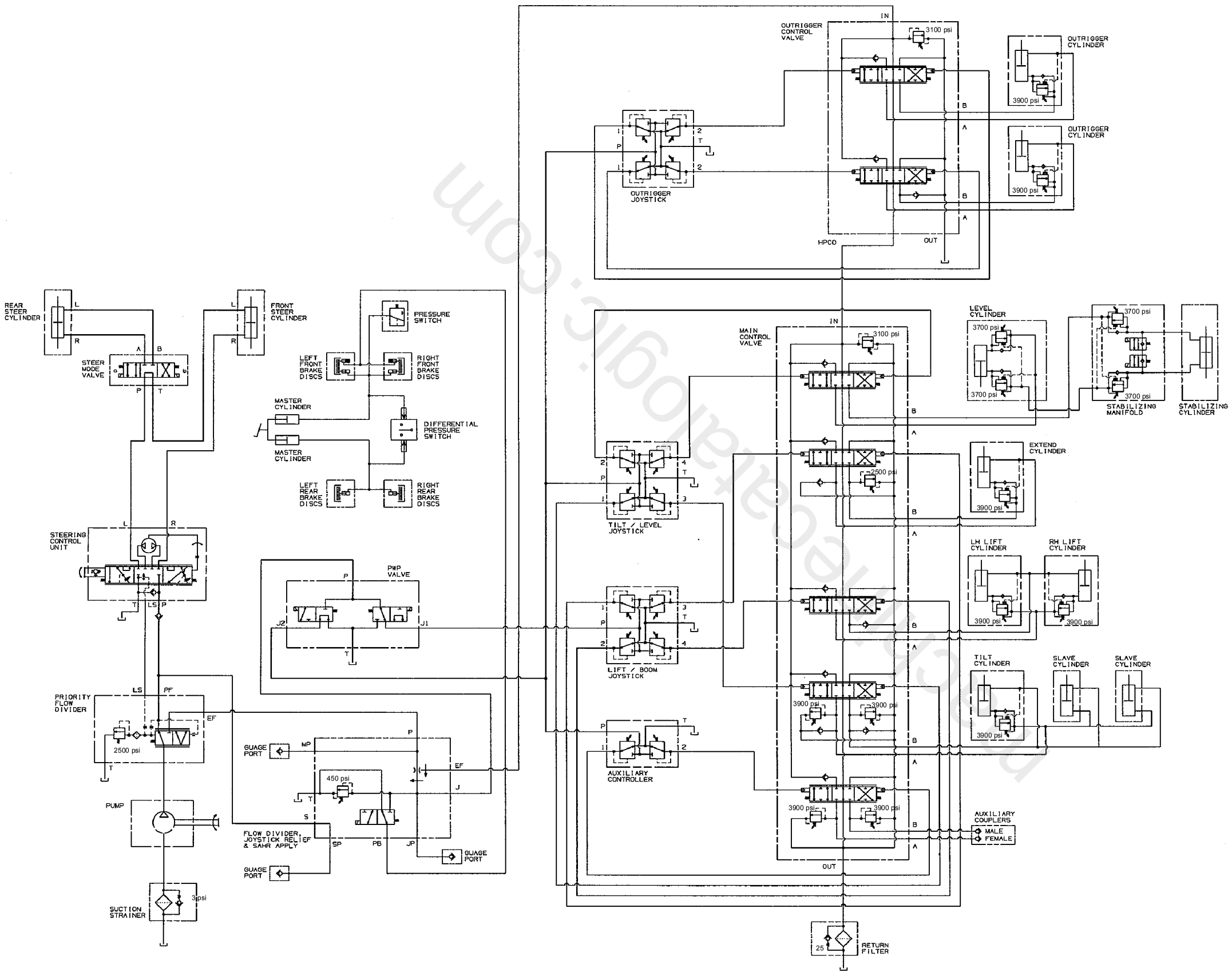
Component	Operator's Station	Frame	Front Cover	Mid-Rear Hood
Axle (underside)		●		
Engine				●
Transmission (center area)			●	
Drive Shafts (underside)		●		
Main Control Valve (rear)		●		
Muffler (underside)		●		
Air Cleaner (top front hood)		●		
Battery		●		
Radiator				●
Brake Valve (underside)	●			
Travel Controls (dash area)	●			
Boom Controls (right side)	●			
Hydraulic Test Ports			●	
Hourmeter (dash)	●			
Switches/Indicators (dash)	●			
Hydraulic Pump			●	
Hydraulic Filter (Reservoir)			●	
Misc. Hydraulic Valves			●	
Heater (lower front)	●			

WPS SYSTEM OPERATIONAL TROUBLESHOOTING

Problem	Possible Cause	Remedy
WPS System mode lamp flashes when switch is turned “ON.” Parking brake did not engage when the WPS System switch is turned “ON.” Carriage tilt and auxiliary functions continue operating when the WPS System switch is turned “ON.” Transmission does not remain de-clutched when shifted into “FORWARD or REVERSE” when the WPS System switch is “ON.”	WPS System not activated.	With WPS System switch “ON,” apply service brakes for two seconds until WPS System mode lamp is on continously.
Boom control functions do not operate.	Machine is not level. Remote WPS System switch is de-activated. Remote WPS System switch is not plugged into the connector at the end of the boom. WPS System level sensor unplugged or faulty.	Level the machine. Activate the remote WPS System switch. Plug in and engage the remote WPS System switch. Contact your Mustang dealer for assistance.
WPS System mode lamp flashes when switch is turned “OFF.” Parking brake lamp stays “ON” when WPS System switch is turned “OFF.”	WPS System is not de-activated.	With engine running, apply service brakes for two seconds until WPS System mode lamp goes off.

machinecatalogic.com

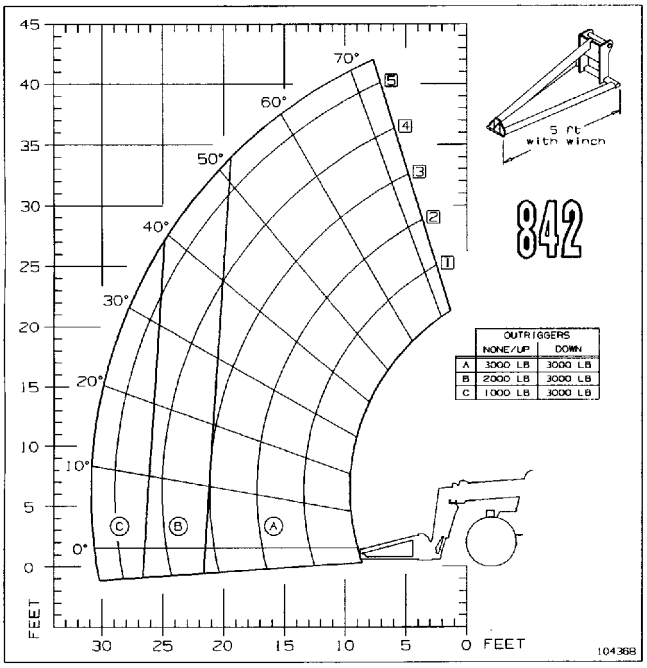
Hydraulic Schematic
with WPS



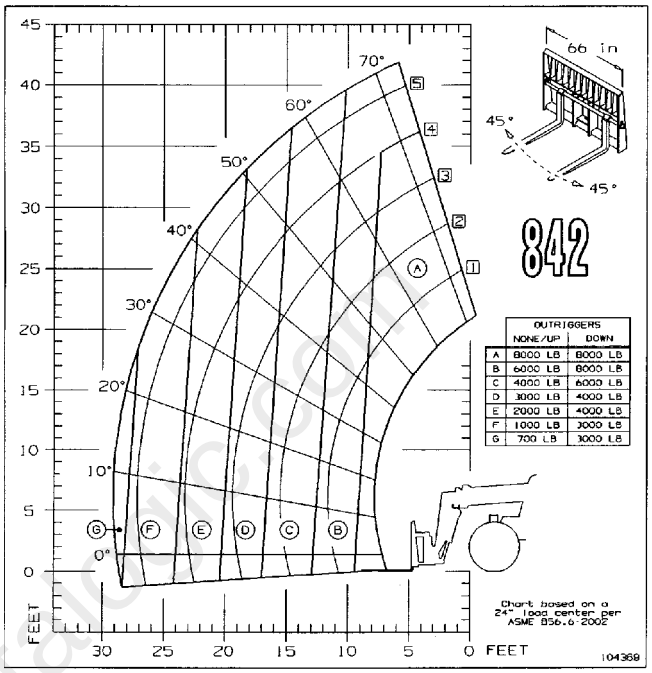
Hydraulicdiagram.com

842 Load Zone Charts

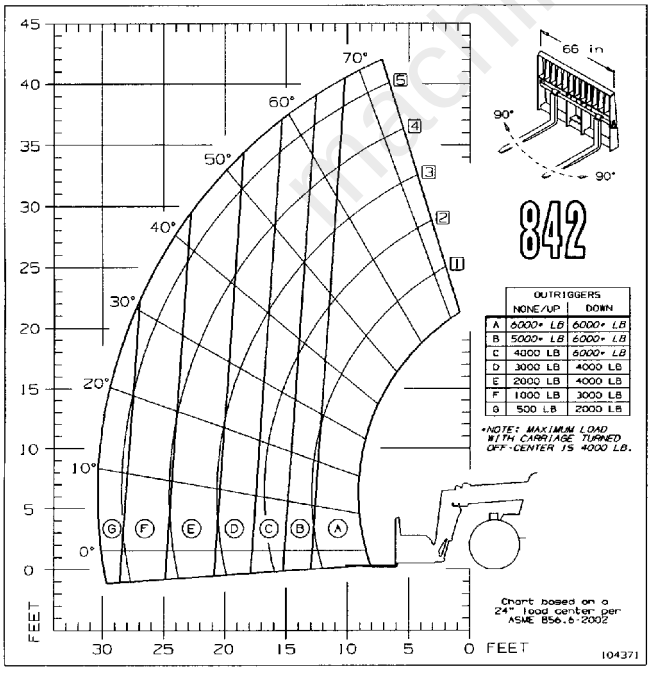
Decal 104368
Winch Boom



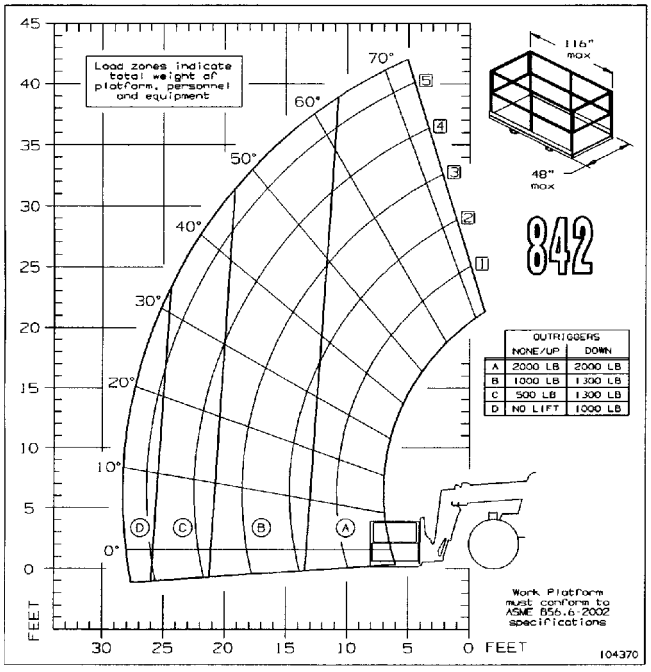
Decal 104369
Swing Carriage



Decal 104371
180° Swing Carriage



Decal 104370
WPS



machinecatalogs.com

machinecatalogic.com

Full Version Available

Mustang 642, 842 and 844 Telehandler Operator Manual (913288A)

Mustang 642, 842 and 844 telehandler operator manual, 913288A. Controls, load zone charts, checks, lubrication, schematics. Instant PDF download.

VIEW THE FULL MANUAL

Publication No.: 913288 (Rev. A) · Language: English · Edition: November 2007