642
844
1055

TELEHANDLER

OPERATOR'S MANUAL

642 beginning with SN 80301
844 beginning with SN 90301
1055 beginning with SN 10301

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Revision B - November 2012

Mustang 642, 844 and 1055 Telehandler Operator Manual

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Machine: Telehandler

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Main contents

- Indicator and Operation Symbols
- Chapter 1 - Introduction
- Chapter 2 - Specifications
- Chapter 3 - Checklists
- Chapter 4 - Safety
- Chapter 5 - Indicators and Controls
- Chapter 6 - Operation and Adjustments
- Chapter 7 - Lubrication
- Chapter 8 - Service and Storage
- Chapter 9 - Decal Locations
- Chapter 10 - Maintenance
- Index - A through E
- Index - F through R
- Index - S through W
- Warranty

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Sample pages follow. Full manual: machinecatalogic.com

10. Lanyards, when provided, shall be arranged so as not to cause a tripping hazard.
11. Body harnesses, when provided, should have a width of at least 1.75 inches (44 mm).
12. Structural safety factor - all load supporting structural elements of the work platform shall have a structural safety factor of not less than 2-to-1 based on the minimum yield strength of the materials used.

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SAFETY

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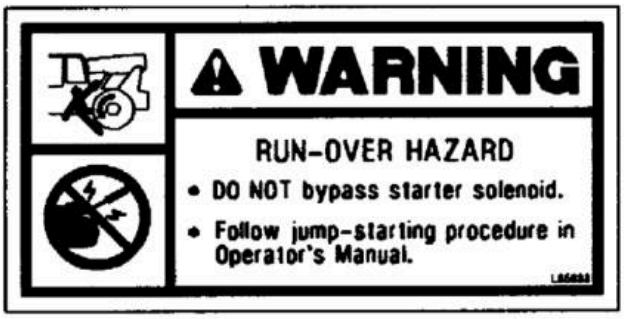
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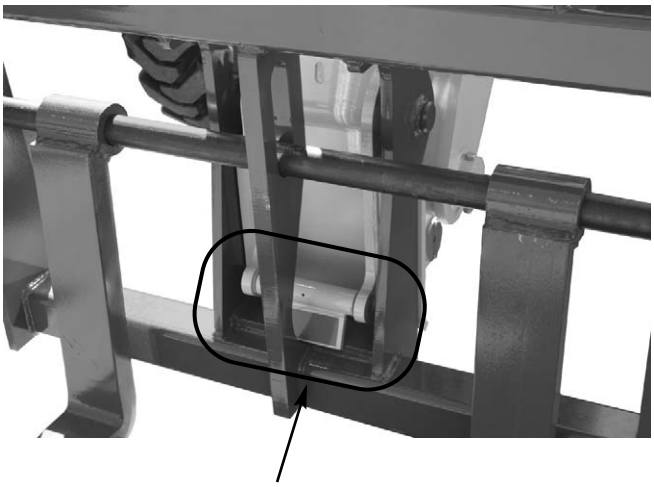


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2. Tilt the carrier rearward as far as it will go. Once the carrier is tilted all the way back, perform the Mandatory Safety Shutdown Procedure (p. 9, *Safety* chapter).



Attachment Tool Shown Unlocked for Release from Quick-attach System

Quick-attach System Detaching Detail

3. With the engine off, leave the operator's station. Manually raise the lock spring and flip the lock plate up and outward at least 180° as shown above, so it is in position to re-lock on the next attachment tool.
4. Return to the operator's seat and start the engine. Tilt the Quick-attach System forward to allow the attachment tool to roll out, then lower the boom so the hook ears clear the hookup bar on the attachment tool.

NOTE: *One side of the lock plate has a bright red decal to indicate the unlocked position.*

5. If the attachment tool has auxiliary hydraulics, disconnect the hoses from the quick-disconnects on the boom nose.
6. Then slowly back the machine until the attachment tool is free from the boom nose.

WARNING

Modifications, alterations to, or use of attachment tools NOT authorized by Mustang (or the manufacturer) in writing can void warranty and cause machine damage and/or serious personal injury or death.

SELF-LEVELING

The machine is equipped with a hydraulic self-leveling feature. This feature is designed to keep the attachment tool level while the boom is being raised.

GENERAL MACHINE OPERATION

WARNING

Exhaust fumes can kill. Ensure proper ventilation when starting indoors or in enclosed areas.

Use proper hand holds, NOT the steering wheel or control levers when mounting and dismounting.

NEVER operate the machine with safety guards or covers removed.

Over-inflated tires can explode and cause injury or death. Tire repairs MUST be made only by authorized personnel using proper tools and equipment.

Take time to check the Telehandler to be sure all systems are in good operating condition. Perform the following steps before starting the machine for the first time each day:

1. Check the engine oil and coolant, transmission oil and hydraulic oil levels.
2. Be sure weekly lubrication has been done.
3. Visually inspect for leaks, broken or malfunctioning parts. Be sure all caps, covers and safety shields are in place.
4. Check tires for cuts, bulges, nails, correct pressure, loose wheel nuts, etc.
5. Inspect the work area. Be sure you know where you will make load pickups,placements, lifts, and turns. Look over the terrain of the jobsite for holes, obstacles, slippery surfaces, and soft or deep mud.
6. Check clearances of ramps, doorways and passage ways. Check overhead clearances if you will travel and place loads near power or telephone lines.

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4. Start and run the machine long enough for the oil to circulate and warm slightly. Recheck the level with the dipstick.

CHANGING RADIATOR COOLANT

Drain, flush and refill the cooling system as follows:

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

WARNING

Remove the radiator cap only when the engine is cool, or painful burns could result.

1. Loosen the radiator cap to its stop. This will release any system pressure. Remove the cap when all pressure is bled off.
2. Open the radiator drain cock. Remove the water jacket drain plugs from the engine block. When all coolant is drained, flush the system with clean fresh water. Allow the flush water to drain completely.
3. Replace the drain plugs and tighten the radiator drain cock. Clean the cooling fins in the radiator with water pressure or steam.

IMPORTANT: *Fill the cooling system with a low-silicate ethylene glycol base coolant mixed with quality water and supplemental coolant additives (SCAs) suitable for heavy-duty diesel engines. See the engine manual for additional information.*

4. Inspect the radiator cap seal before installing it. Replace it if it appears to be damaged. The pressure cap and engine thermostat work in conjunction with each other to maintain proper engine cooling.

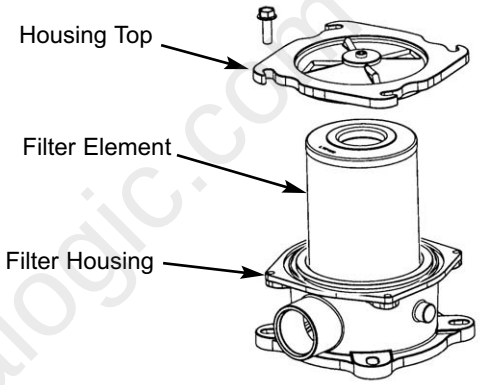
NOTE: *Check the engine temperature gauge every minute or two after coolant has been changed. Air pockets can form and it may be necessary to refill the cooling system after a short period of use, as the air will naturally bleed out of the system.*

CHANGING HYDRAULIC RETURN FILTER ELEMENT

WARNING

When servicing the hydraulic system, lower the boom to the ground.

This element is a cartridge-type accessible from a housing on top of the hydraulic reservoir. Initial replacement is after the first 100 hours. See illustration. Remove the top cover of the housing. Remove the element and discard. Insert the new element into the housing and replace the cover.



Reservoir Filter Removal

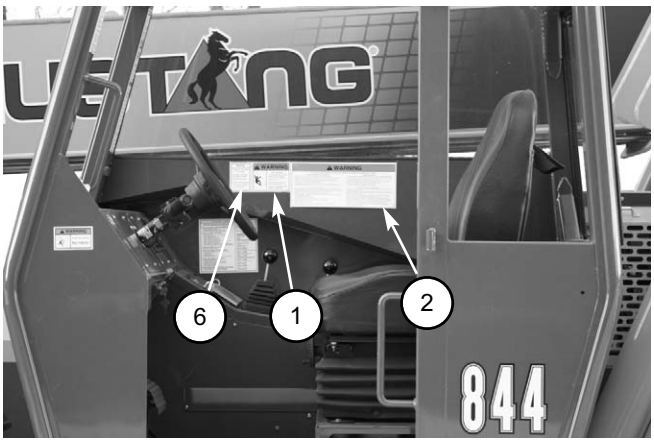
CHANGING AIR FILTER ELEMENT(S)

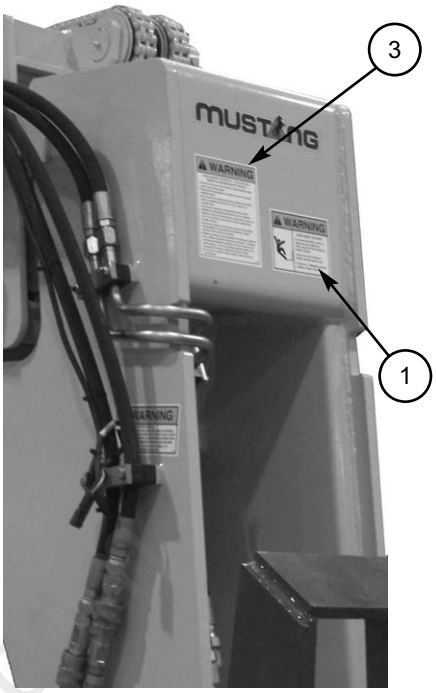
The air cleaner assembly consists of an outer (primary) filter element and an inner (secondary) filter element. An air filter restriction indicator for monitoring the condition of the elements is located on the front of the air cleaner. If the air filter becomes restricted, this indicator turns red to warn the operator that the air cleaner requires service. Push the reset button located at the end of the indicator after fitting a clean element.

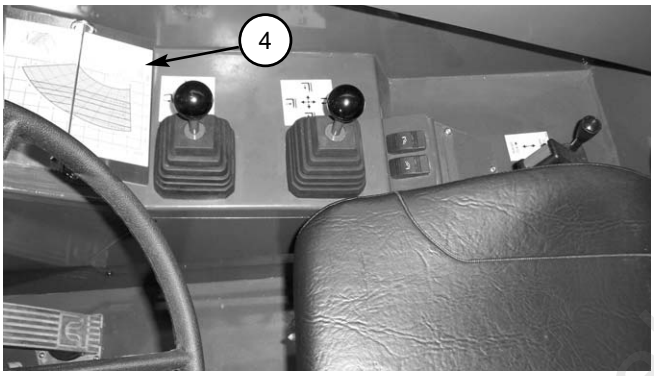
NOTE: *Before replacing the filter element(s), push the reset button on the indicator. Start the engine and run at full throttle. If the indicator does not turn red, do not replace the element(s).*

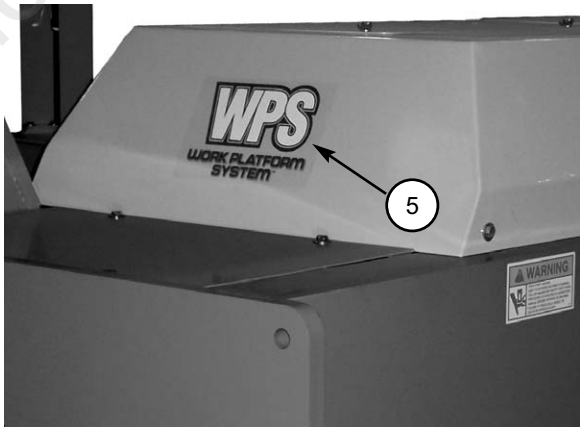
The outer element should be replaced only when the restriction indicator turns red. The inner element should be replaced every third time the outer element is replaced, unless the outer element is damaged or the inner element is visibly dirty. Along with a daily check of the restriction indicator, check that the air cleaner intake hose and clamps, and the mounting bracket hardware are properly secure.

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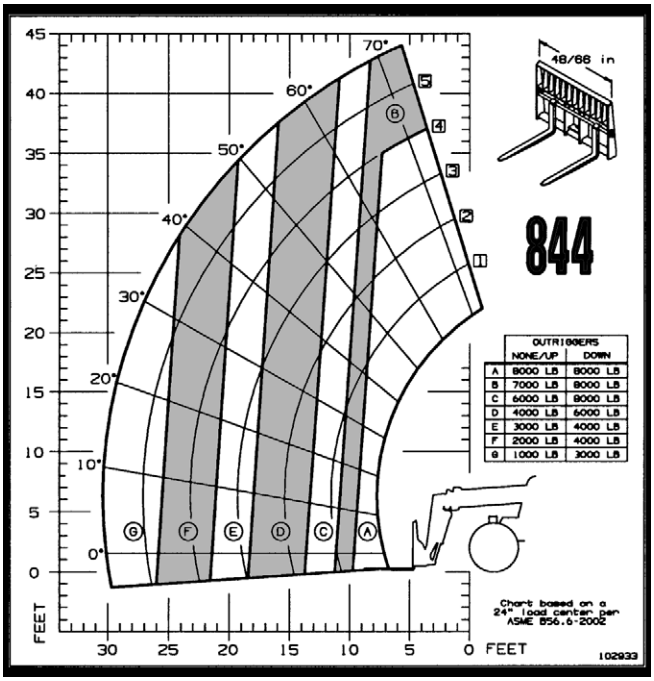
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DECAL LOCATIONS - WPS EQUIPPED UNITS

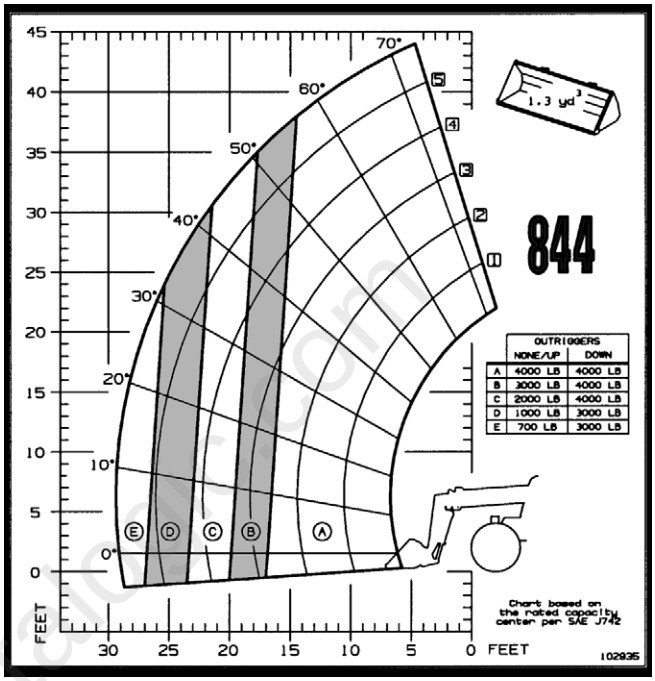
REF. NO.	DESCRIPTION		642 PART NO.	844 PART NO.	1055 PART NO.
01	WARNING-PERSONNEL LIFT		L71554	L71554	L71554
02	WARNING-WORK PLATFORM RULES		L71555	L71555	L71555
03	PERSONNEL LIFT SAFETY RULES		L71700	L71700	L71700
04	WPS LOAD CHART		102929	102939	102939
05	WPS LOGO		103016	103016	103016
06	WPS SWITCH		102969	102969	102969

844 Load Zone Charts

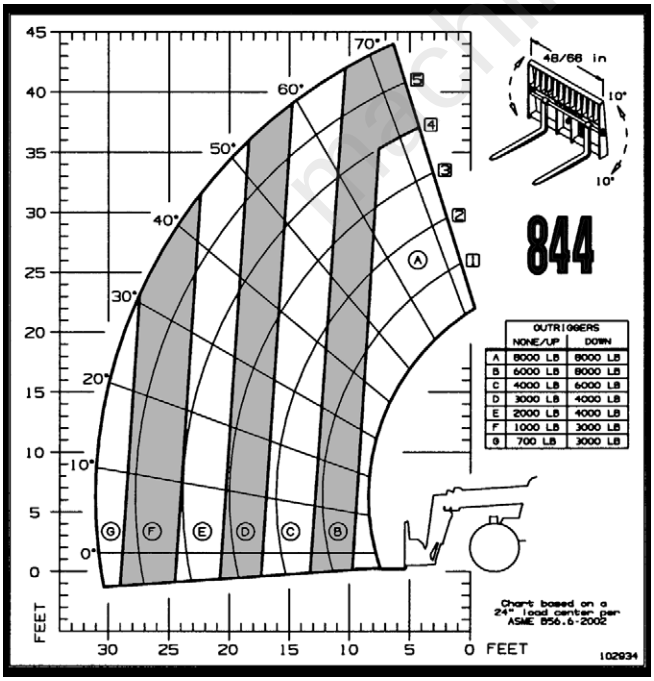
Decal 102933
Standard Carriage



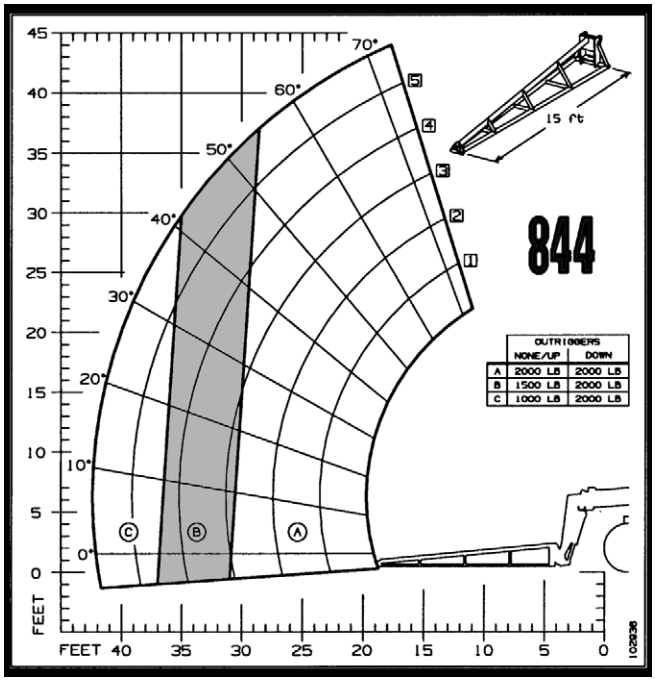
Decal 102935
1-Cu.-Yd. Bucket



Decal 102934
Rotating Carriage



Decal 102936
15-Ft. Truss Boom



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