AL 406

SN 41249 and Before

AL 506

SN 51241 and Before

Articulated Loaders

Operator's Manual

#918444/AP0210

(Supersedes 918272)

machinecatalogs.com

Mustang Manufacturing Company, Inc.
1880 Austin Road, P.O. Box 547
Owatonna, MN 55060-0547 USA

Mustang AL406 and AL506 Articulated Loader Operator Manual

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

Brand: Mustang

Models: AL406 and AL506

Machine: Articulated Loader

Publication No.: 918444

Serial numbers: AL 406 SN 41249 and Before; AL 506 SN 51241 and Before

Language: English

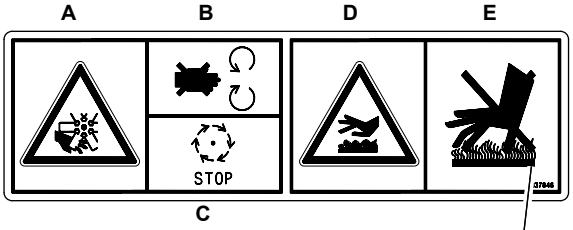
Main contents

- General Information
- Safety
- Specifications
- Operation
- Maintenance
- Troubleshooting

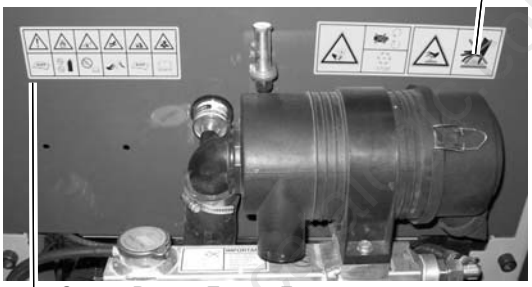
machinecatalogic.com

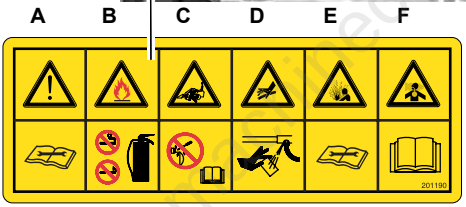
Sample pages follow. Full manual: machinecatalogic.com

ISO-Style (Used Internationally)
Safety Decals Inside the Engine Compartment



137846 – Fan and Hot Surface Warnings
A – Rotating fan hazard
B – Keep hands out
C – Stop engine
D – Hot surface hazard.
E – Do not touch hot engine or hydraulic system parts.





201190 – General Servicing Warnings
A – Safety alert: Keep safety devices in place and in working order. Keep guards, shields and windows in place.
B – Fire hazard: Do not smoke while fueling or servicing machine. Clean debris from engine compartment daily to avoid fire. Keep fire extinguisher nearby.
C – Run-over hazard: Jump-start per Operator's Manual procedure. See "Using a Booster Battery (Jump-Starting)" on page 102.
D – Oil injection hazard: Do not use hands to find hydraulic leaks. Escaping oil under pressure can be invisible and penetrate skin. Use a piece of cardboard to find leaks.
E – Burn hazard: Allow radiator to cool before removing cap. Loosen cap slowly to avoid burns.
F – Suffocation hazard: Operate only in a well-ventilated area.

Figure 18 – Warning Decals

Vibration Levels

Data in the table below indicates that Mustang loaders, when used in a manner as described in "Vibration Information" on page 4, will not exceed the exposure limit value for Whole-Body Vibration, and can therefore be operated by one operator for at least 8 hours per day.

Typical Whole-Body Vibration Levels

Activity	Vibration Levels	
	AL400 Series	AL500 Series
Whole-Body Vibration	≤ 0.89 m/s²	
Hand-Arm Vibration	≤ 1.15 m/s²	

When Mustang loaders are operated in accordance with the instructions in this manual, the hand-arm vibration levels are below the exposure action value of 2.5 m/s^2.

Maximum Slopes of Operation

Continuous Operation	25° for all directions
Intermittent Operation (<3 minutes)	30° for all directions

machinecatalogs.com

Check, Clean and Inspect

Service Procedure	Maximum Interval				
	10 Hours (or daily)	50 Hours (or weekly)	Monthly	250 Hours (or every six months)	500 Hours (or annually)
Check coolant system for leaks, dirt and debris; hoses for cracks/damage		x			
Check battery electrolyte level (if applicable)		x			
Check engine and engine mounts		x			
Check for hydraulic system for leaks, proper routing			x		x
Check anti-freeze mixture			x		x
Check V-belt tension and condition			x		x
Check engine cover lock			x		x
Check engine idle			x		x
Check hinge pins, joint bushings, pivot bolts and bearings					x
Check for exhaust system damage					x
Clean battery terminals					x
Replace fuel filter					x
Check timing belt					x
Check fuel injectors					x
Check electrical system for damage, wiring routing					x

1. Check every 2 hour after initial tightening until fastener torque stabilizes; every month thereafter.

machinecatalogic.com

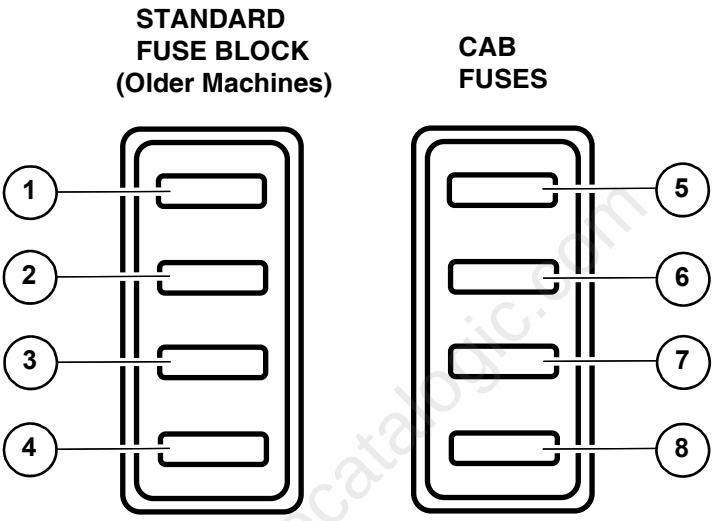
Leakage Check

Service Procedure	Maximum Interval				
	10 Hours (or daily)	50 Hours (or weekly)	Monthly	250 Hours (or every six months)	500 Hours (or annually)
Check engine for oil/coolant leaks	x				
Check cooling system for leaks	x				
Check hydraulic system for leaks		x			
Check axles for leaks		x			

Additional Fuses

Note: *Machines equipped with cabs will have a fuse panel located in the engine compartment.*

Older machines have an additional fuse panel in the engine compartment. Newer machines have these fuses located in-line in the wire harness under the operator's platform



Note: *Fuses shown in the Standard Fuse Block are located in-line in the wire harness under the operator's platform.*

Figure 104 – Fuse Panels, Engine Compartment

Fuse No.	Rated Current (Amp)	Protected Circuit
1.	15	Drive Module
2.	40	Glow Plugs
3.	25	Control Module
4.	25	Starter Solenoid
5.	5	Dome Light
6.	7.5	Rear Wiper Motor
7.	10	Front Wiper Motor
8.	25	Heater

manualscatalogic.com

machinecatalogic.com

Full Version Available

Mustang AL406 and AL506 Articulated Loader Operator Manual

Mustang AL406 and AL506 articulated loader operator manual, publication 918444. Safety, operation, maintenance, troubleshooting. Instant PDF download.

VIEW THE FULL MANUAL

https://machinecatalogic.com/mustang-al406-and-al506-articulated-loader-operator-manual/

Publication No.: 918444 · Language: English