519

TELEHANDLER

OPERATOR'S MANUAL

Serial Number 40301 and up

machinecatalogic.com

PART # 509600 14

Revision B - December 2012

Mustang 519 Telehandler Operator Manual (50960014B)

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

Brand: Mustang

Models: 519

Machine: Telehandler

Publication No.: 50960014 (Rev. B)

Edition date: December 2012

Serial numbers: Serial Number 40301 and up

Language: English

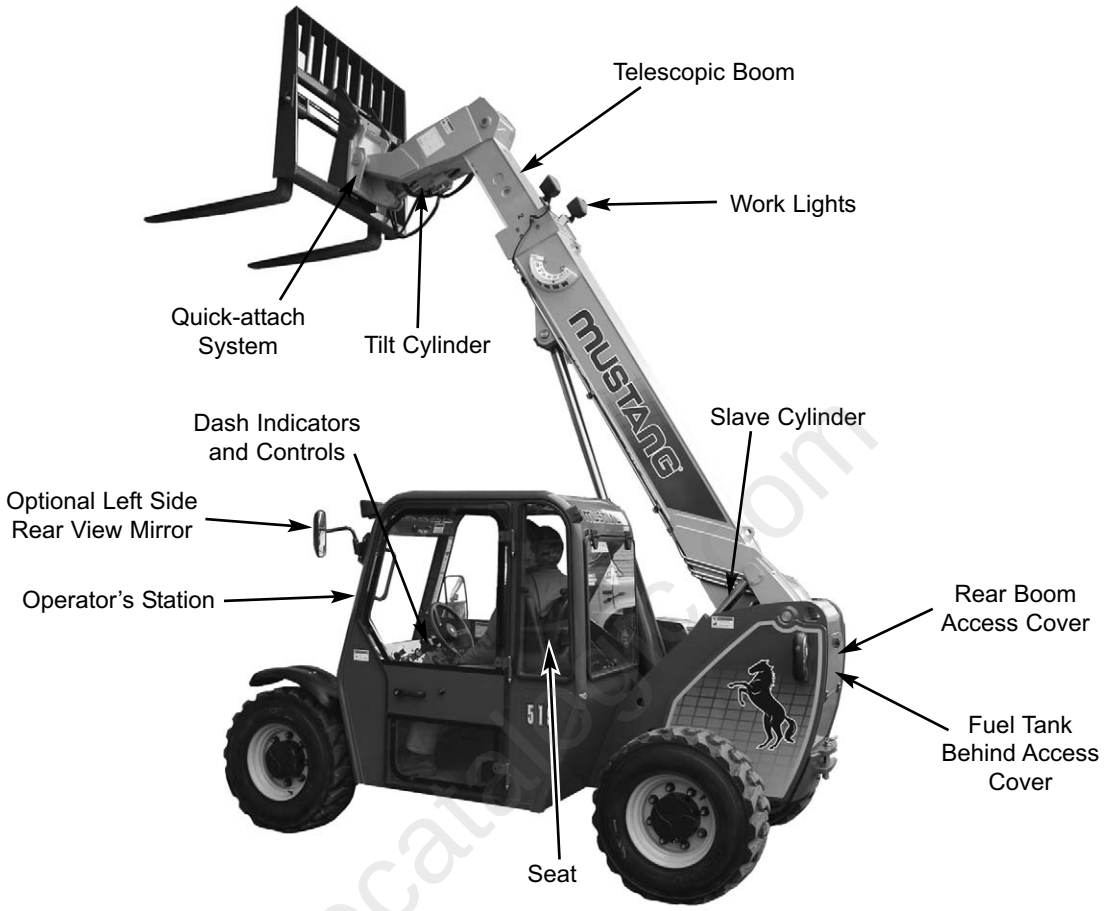
Main contents

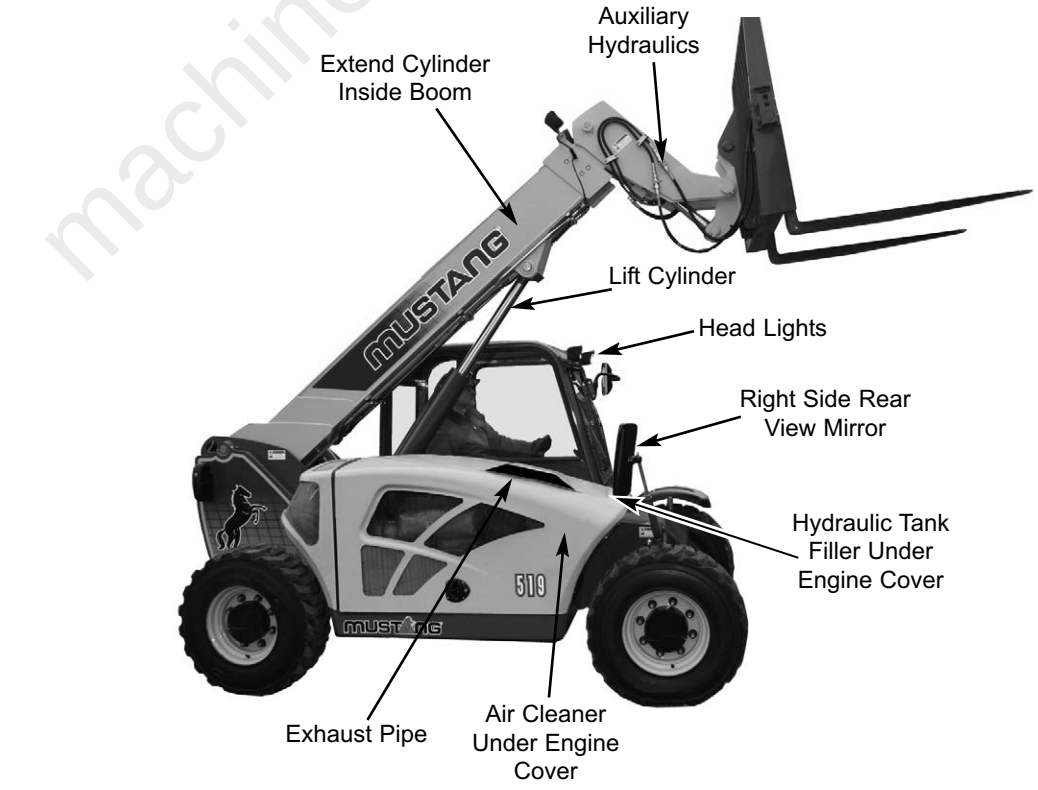
- Indicator and Control Symbols
- 1 - Introduction
- 2 - Specifications
- 3 - Checklists
- 4 - Safety
- 5 - Indicators and Controls
- 6 - Operation and Adjustments
- 7 - Lubrication
- 8 - Service and Storage
- 9 - Decals
- 10 - Maintenance
- Warranty

machinecatalogic.com

Sample pages follow. Full manual: machinecatalogic.com

Identification





machinecatalog.com

1. Use extreme caution for high placement. Be sure personnel are clear of the area where the load or the machine could tip or fall.

⚠ WARNING

Be sure that the surrounding ground has adequate strength to support the weight of the machine and the load it is carrying.

Always wear the seat belt provided to prevent being thrown from the machine. If you are in an overturn:

- **DO NOT jump!**
- **Hold on tight and stay with the machine!**
- **Lean away from the fall!**

2. Set the parking brake, hold the service brake pedal in fully applied position and slowly raise the load, maintaining a slight rearward tilt to cradle the load.
3. As the load approaches the desired height, feather the boom control at minimum speed until the load is slightly higher than the landing point.
4. Continue the feathering technique and lower the load into place.
5. Free the forks from the load by alternately retracting and raising the boom. If this process is not possible, very slowly and carefully reverse the telehandler to free the forks from the load.
6. Lower the forks to travel height.

⚠ WARNING

The machine becomes less stable as the load is raised higher.

Before raising a load, be sure the Telehandler is within the safe lifting parameter as indicated by the frame angle indicator.

If a hydraulic boom circuit hose should break with the boom up, shut down the machine. DO NOT attempt to bring down the boom or make repairs. Call your Mustang dealer immediately.

As lift height increases, depth perception decreases. High elevation placement may require a signal person to guide the operator.

DO NOT ram the lift cylinder to the end of the stroke. The resulting jolt could spill the load.

A jib or truss boom should ONLY be used to lift and place loads when the machine is stationary and the frame is level. Transporting suspended loads must ALWAYS be done slowly and cautiously, with the boom and load as low as possible. Use taglines to restrict loads from swinging, to avoid overturns.

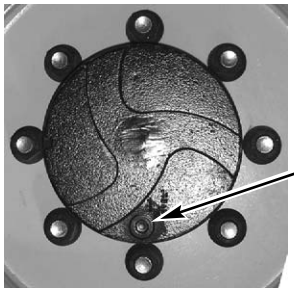
SUSPENDED LOADS

The handling of suspended loads by means of a truss boom or other similar device can introduce dynamic forces affecting the stability of the machine that are not considered in the stability criteria of industry test standards. Grades and sudden starts, stops and turns can cause the load to swing and create a hazard.

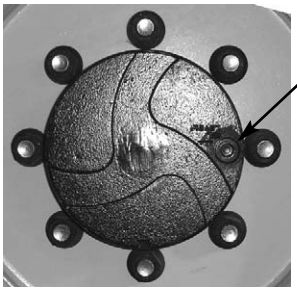
Guidelines for "Free Rigging / Suspended Loads"

1. DO NOT exceed the rated capacity of the telehandler as equipped for handling suspended loads. The weight of the rigging must be included as part of the load.
2. During transport, the length of the rigging between the attachment and load should be as short as possible to reduce booms height and movement. DO NOT raise the load more than 12 inches (305 mm) above the ground, or raise the boom more than 45 degrees.
3. Only lift the load vertically – NEVER drag it horizontally.
4. Use multiple pickup points on the load when possible. Use taglines to restrain the load from swinging and rotating.
5. Start, travel, turn and stop SLOWLY to prevent the load from swinging. DO NOT exceed walking speed.
6. Inspect rigging before use. Rigging must be in good condition and in the U.S. comply with OSHA regulation §1910.184, "Slings," or §1926.251, "Rigging equipment for material handling."
7. Rigging equipment attached to the forks must be secured such that it cannot move either sideways or fore and aft. The load center must not exceed 24 inches (610 mm).

machinecatalogic.com



2. Re-position the hub so the oil level arrow is horizontal. Fill with clean oil as specified in the Lubrication chapter. When the oil runs out, install the drain/fill plug. Repeat this procedure on the other three hubs.



CHANGING HYDRAULIC RESERVOIR OIL

Clean all dirt and debris from around the drain plug area.

1. Remove the drain plug and drain out all used oil. Wash or blow off all collected particles from the magnetic drain plug.

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

2. Flush out the bottom of the tank with clean hydraulic oil. Re-install the drain plug.
3. Fill the tank with fresh oil. Follow specifications found in *Lubrication* chapter of this manual.

WARNING

Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin. Before applying pressure to the hydraulic 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 hydraulic oil, see a doctor familiar with this type of injury at once or gangrene may result.

IMPORTANT: *Hydraulic fluid and filters should be replaced any time contamination is present before the normally scheduled change.*

CHANGING RADIATOR COOLANT

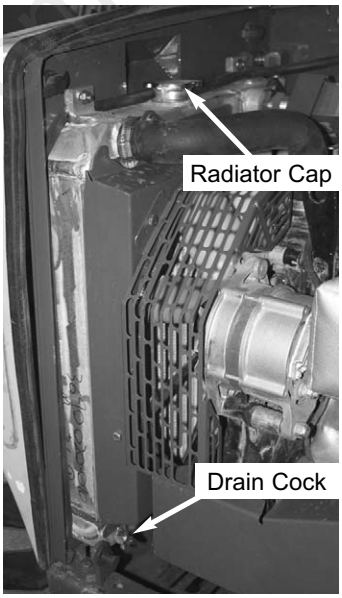
Drain, flush and refill the cooling system as follows:

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

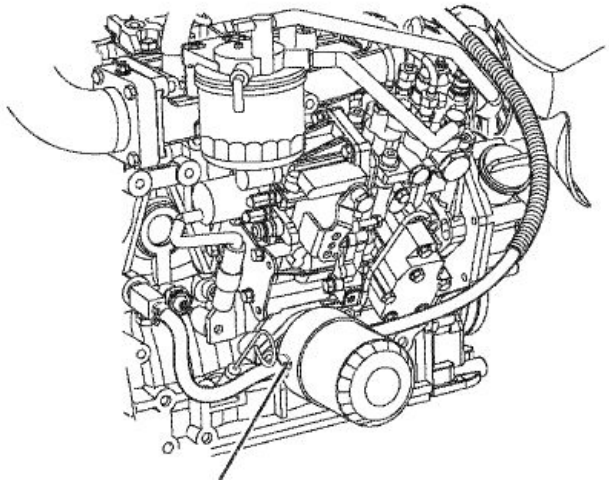
WARNING

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

1. Remove the engine belly pan.
2. Loosen the radiator cap to its stop. This will release any system pressure. Remove the cap when all pressure is bled off.
3. Attach a 3/8” hose to the drain cock and route it through the belly pan opening to a collection container positioned below the radiator.



4. Loosen the radiator drain cock to drain the radiator.
5. Remove the coolant hose from the engine oil cooler to allow coolant to drain from the engine block.



machinecatalogic.com

DTC			
SPN	**FMI**	**Error Code Type**	**Error Description**
001078	04	Fuel Injection Pump Speed Sensor	Shorted to low source
001079	02 03 04	Sensor 5V Sensor 5V Sensor 5V	Intermittent fault Shorted to high source Shorted to low source
001136	00 02 03 04	E-ECU Internal Temperature E-ECU Internal Temperature Sensor E-ECU Internal Temperature Sensor E-ECU Internal Temperature Sensor	Too high Intermittent fault Shorted to high source Shorted to low source
001202	02	Immobilizer	System fault
001210	03 04	Engine Fuel Rack Position Sensor Engine Fuel Rack Position Sensor	Shorted to high source Shorted to low source
001485	04	E-ECU Main Relay	Shorted to low source
522241	02 03 04 07	Engine Fuel Rack Actuator Relay Engine Fuel Rack Actuator Relay Engine Fuel Rack Actuator Relay (Reserved)	Intermittent fault Circuit fault B Circuit fault A
522242	02 03 04	Cold Start Device Cold Start Device Cold Start Device	Intermittent fault Circuit fault B Circuit fault A
522243	02 03 04	Air Heater Relay Air Heater Relay Air Heater Relay	Intermittent fault Circuit fault B Circuit fault A
522251	03 04	EGR Stepping Motor “A” EGR Stepping Motor “A”	Circuit fault B Circuit fault A
522252	03 04	EGR Stepping Motor “B” EGR Stepping Motor ”B”	Circuit fault B Circuit fault A
522253	03 04	EGR Stepping Motor ”C” EGR Stepping Motor ”C”	Circuit fault B Circuit fault A
522254	03 04	EGR Stepping Motor ”D” EGR Stepping Motor ”D”	Circuit fault B Circuit fault A
522314	00	Engine Coolant Temperature	Abnormal temperature
522727	12 12 12	E-ECU internal fault E-ECU internal fault E-ECU internal fault	Sub-CPU Error A Sub-CPU Error B Sub-CPU Error C
522728	12	E-ECU internal fault	Engine Map Data Version Error
522730	08 12	Immobilizer Immobilizer	Pulse Communication fault CAN Communication fault

mechinecatalogs.com

machinecatalogic.com

Full Version Available

Mustang 519 Telehandler Operator Manual (50960014B)

Mustang 519 telehandler operator manual 50960014 Rev. B, serial 40301 and up: controls, checks, lubrication, maintenance chart. Instant PDF download.

VIEW THE FULL MANUAL

https://machinecatalogic.com/mustang-519-telehandler-operator-manual-50960014b/

Publication No.: 50960014 (Rev. B) · Language: English · Edition: December 2012