1050R | 1050R (EU)
1050R X-SERIES



Skid-Steer Loader
Operator's Manual

50950262 Rev. G 05/21

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Mustang 1050R Skid Steer Loader Operator Manual (50950262G)

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

Brand: Mustang

Models: 1050R

Machine: Skid Steer Loader

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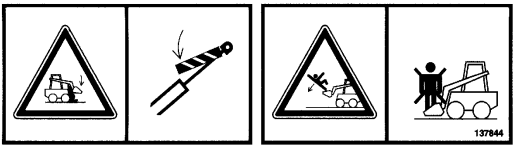
Main contents

- Introduction
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- Worklight
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- Engine Temperature
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- Hydraulic Oil Temperature
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- Grease Lubrication Point

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Sample pages follow. Full manual: machinecatalogic.com

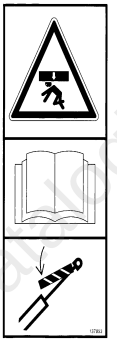
ISO-Style (used Internationally) Safety Decals on the outside of the Skid-Steer Loader



137844 – Located on front of loader

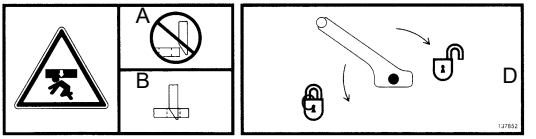
A – Crush hazard: Keep out from under work tool unless lift arm is supported.
B – Fall hazard: No riders. Never use work tool as work platform.





137853 – Located on lift arm support device

Crush hazard: Hose removal or component failure can cause lift arm to drop. Always use lift arm support device when leaving arm raised for service.



137852 – Located on hitch (manual hitch loaders only)

Crush hazard: Before operating with attachment, check engagement of hitch locking pin to the attachment:

A – Incorrect attachment engagement
B – Correct attachment engagement
C – Lock hitch lever
D – Unlock hitch lever

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Vibration Measurement and Actions

The vibration directive places the responsibility for compliance on employers. Actions that should be followed by employers include:

- Assess the levels of vibration exposure.
- Determine from this assessment if operators will be exposed to vibration levels above the limits stated in the directive.
- Take appropriate actions to reduce operator's exposure to vibration.
- Provide operators with information and training to reduce their exposure to vibration.
- Keep good records and update operations and training on a regular basis.

If the assessment concludes that vibration level exposure is too high, one or more of the following actions may be necessary:

1. Train operators
   - Perform operations (accelerating, steering, braking, etc.) in a smooth manner.
   - Adjust machine speed appropriately.
   - Adjust the controls, mirrors and seat suspension for comfortable operation.
   - Travel across the smoothest parts of the work site and avoid ruts and pot-holes.
2. Choose proper equipment for the job
   - Use machines with the proper power and capacity.
   - Select machines with good suspension seats.
   - Look for controls that are easy to use.
   - Ensure good visibility from the operator's position.
3. Maintain the work site
   - Smooth ruts and fill potholes in traffic areas whenever possible.
   - Clean up debris frequently.
   - Vary traffic patterns to avoid exposure to rough terrain.
4. Maintain the equipment
   - Ensure correct tire pressures.
   - Check that seat suspension and all controls work smoothly and properly.

Vibration Levels

The following two tables show typical Whole-Body and Hand-Arm Vibration levels for the 1050R servo-controlled skid-steer loaders with their different seat options.

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Engine Diagnostic Chart (DPF Models) (cont.)

DTC code				Number of the lamp flashes	Error item	
P code	SPN		FMI		Part	State
	Decima number	Hexadecimal number	Decima number			
P0201	654	28E	5	MIL + RSL	Injector 3 4TNV: Cyl No. 1 3TNV: Cyl No. 1 Corresponding port 4TNV: 2 - 2 3TNV: 1 - 1	Injector 3 open circuit (Inherent location of the injector)
P0262			6	MIL + RSL		Injector 3 coil short circuit
P1262			3	MIL + RSL		Injector 3 short circuit
P0203	652	28C	5	MIL + RSL	Injector 4 4TNV: Cyl No. 3 Corresponding port 4TNV: 1 - 1	Injector 4 open circuit (Inherent location of the injector)
P0268			6	MIL + RSL		Injector 4 coil short circuit
P1268			3	MIL + RSL		Injector 4 short circuit
P0611	4257	10A1	12	MIL + RSL	Injector (common)	Injector drive IC error
P1146	2797	AED	6	MIL + RSL		Injector drive circuit (Bank1) short circuit (4TN: Common circuit for No. 1, No. 4 and all 3TN cylinders)
P1149	2798	AEE	6	MIL + RSL		Injector drive circuit (Bank 2) short circuit (4TN: Circuit for No. 2 and No. 3 cylinders)
P1648	523462	7FCC6	13	MIL + RSL	Injector (correction value)	IQA corrected injection amount for injector 1 error
P1649	523463	7FCC7	13	MIL + RSL		IQA corrected injection amount for injector 2 error
P1650	523464	7FCC8	13	MIL + RSL		IQA corrected injection amount for injector 3 error
P1651	523465	7FCC9	13	MIL + RSL		IQA corrected injection amount for injector 4 error
P1641	522571	7F94B	3	MIL + RSL	SCV (MPROP)	High-pressure pump drive circuit (Low side VB short-circuit)
P1643			6	MIL + RSL		High-pressure pump drive circuit (Low side GND short-circuit)
P0629	633	279	3	MIL + RSL		High-pressure pump drive circuit (High side VB short-circuit)
P1642			6	MIL + RSL		High-pressure pump drive circuit (High side GND short-circuit)
P0627			5	MIL + RSL		High-pressure pump drive circuit (Open circuit)
P062A	522572	7F94C	6	MIL + RSL		High-pressure pump drive circuit (Drive current (high level))
P1645			11	MIL + RSL		High-pressure pump drive circuit (Pump overload error)
P0088	157	9D	0	MIL + RSL	Abnormal rail pressure	Actual rail pressure rise error
P0094			18	MIL + RSL		Rail pressure deviation error during the actual rail pressure drop
P0093			15	MIL + RSL		Rail pressure deviation error during the actual rail pressure rise
P000F			16	MIL + RSL	PLV (Common rail pressure limit valve)	PLV open valve
P1666	523469	7FCCD	0	MIL + RSL		Rail pressure fault (The times of PLV valve opening error)
P1667	523470	7FCCE	0	MIL + RSL		Rail pressure fault (The time of PLV valve opening error)
P1668	523489	7FCE1	0	MIL + RSL		Rail pressure fault (The actual rail pressure is too high during PRV limp home)
P1665	523468	7FCCC	9	MIL + RSL		Rail pressure fault (Controlled rail pressure error after PLV valve opening)
P1669	523491	7FCE3	0	MIL + RSL	Rail pressure control	Rail pressure fault (Injector B/F temperature error during PLV4 limp home)
P1670	523460	7FCC4	7	MIL + RSL		Rail pressure fault (Operation time error during RPS limp home)
P0219	190	BE	16	MIL + RSL	Overspeed	Overspeed
P0660	2950	B86	5	MIL + AWL	Intake throttle drive circuit	No-load of throttle valve drive H bridge circuit
P1658			3	MIL + AWL		Power short circuit of throttle valve drive H bridge output 1
P1659			4	MIL + AWL		GND short circuit of throttle valve drive H bridge output 1
P1660			6	MIL + AWL		Overload on the drive H bridge circuit of throttle valve
P1661	2951	B87	3	MIL + AWL		VB Power short circuit of throttle valve drive H bridge output 2
P1662			4	MIL + AWL		GND short circuit of throttle valve drive H bridge output 2

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