450Z NXT2

Compact Excavator

Serial Numbers 00701 and Up

OPERATOR'S MANUAL

PART #50940408

Revision B - 07/18

(English)

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Mustang 450Z NXT2 Compact Excavator Operator Manual

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Brand: Mustang

Models: 450Z NXT2

Machine: Compact Excavator

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Sample pages follow. Full manual: machinecatalogic.com

When an abnormality is found during inspection

Continued operation without eliminating any abnormalities discovered may exacerbate said abnormalities or result in accidents.
Immediately investigate causes and make necessary adjustments and repairs to prevent failures.

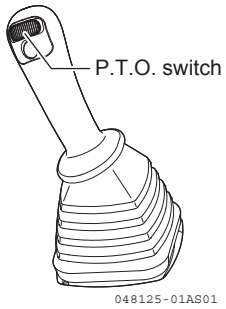
Contact the nearest dealer in the event of machine failure

Attempts by users to make difficult repairs to the machine may lead to unforeseen failures or accidents. In the event that such repairs become necessary, contact the nearest dealer for service in accordance with the instructions set forth in the operation manual.

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13 P.T.O. switch

Move the switch on the top of the right control lever to the right and the left to control the P.T.O. For handling P.T.O., refer to Section "3.21 Handling hydraulic P.T.O." on page 214.



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14. Quick coupler switch box (with quick coupler) Refer to Section "3.20 Handling quick coupler (option) " on page 204.

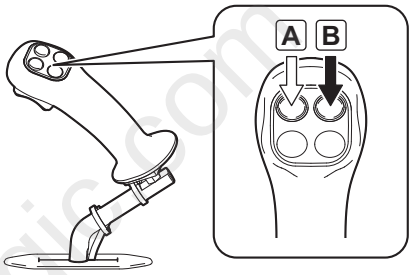
15. Blade angling switch (with angle blade)

Press either switch to angle the blade to right or left.

A : Press the switch to angle the blade to left.

B : Press the switch to angle the blade to right.

When no switch is pressed the blade angle is held as it is.



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Problem		Cause	Measure
Engine	Exhaust color is white or bluish white.	• Improper fuel • Abnormal fuel injection • Too much engine oil • Combustion or abnormal consumption of engine oil	• Replace fuel with specified one. (• Check and repair.) • Check and adjust engine oil level. (• Check and repair.)
Electrical equipment	LED lamp does not light up when starter switch is turned on.	• Defective wiring system or burned out lamp.	(• Check and repair.)
	Light is dark even while engine is running at full speed.	• Defective wiring system • Defective alternator	(• Check and repair.) (• Check and repair.)

Machine body

- Contact your dealer for assistance, regarding the measures indicated in the parentheses in the list below.
- If any abnormalities or troubles are encountered that are not included among those shown below, ask your dealer for assistance.

Problem		Cause	Measure
Machine performance	Power or speed of moving part is low.	• Deteriorated function caused by worn hydraulic pump • Operating pressure of system relief valve or circuit relief valve in control valve is lower than set value. • Broken hydraulic cylinder • Insufficient amount of hydraulic oil • Clogged filter	(• Replace hydraulic pump.) (• Check and repair control valve.) (• Check and repair.) • Check hydraulic oil level and replenish. (• Check filter. Clean or replace.)
	Upper structure does not swing or does not swing smoothly.	• Insufficient amount of grease • Defective swing brake valve • Defective swing motor • Swing brake is not released.	• Check and grease. (• Check and repair.) (• Check and repair.) (• Check and repair.)
	Hydraulic oil temp. is too high.	• Insufficient amount of hydraulic oil • Overload	• Check hydraulic oil level and replenish. • Lower working load.
	Machine does not travel straight.	• Improperly adjusted crawler or foreign material caught • Defective hydraulic motor • Defective hydraulic pump • Defective control valve • Broken sprocket, idler or track roller	• Adjust or check. (• Check and repair.) (• Check and repair.) (• Check and repair.) (• Check and repair.)

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2.2 Engine oil

- Only use the engine oil specified. Other engine oils may affect warranty coverage, cause internal engine components to seize and/or shorten engine life.
- Prevent dirt and debris from contaminating the engine oil. Carefully clean the oil cap/dipstick and the surrounding area before you remove the cap.
- Never mix different types of engine oil. This may adversely affect the lubricating properties of the engine oil.
- Never overfill. Overfilling may result in white exhaust smoke, engine overspeed or internal damage.

Engine Oil Specifications

Use an engine oil that meets or exceeds the following guidelines and classifications:

Service categories

- API service categories CJ-4
- ACEA service categories E6
- JASO service category DH-2

Definitions

- API classification (American Petroleum Institute)
- ACEA classification (Association des Constructeurs Européens d'Automobilies)
- JASO (Japanese Automobile Standards Organization)

Note:

- *Be sure the engine oil, engine oil storage containers, and engine oil filling equipment are free of sediments and water.*
- *Manitou does not recommend the use of engine oil "additives."*

Additional technical engine oil requirements:

The engine oil must be changed when the Total Base Number (TBN) has been reduced to 1.0 mgKOH/g. TBN (mgKOH/g) test method; JIS K-201-5.2-2 (HCI), ASTM D4739 (HCI).

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Mustang 450Z NXT2 compact excavator operator manual, 50940408 Rev. B. Controls, maintenance table, torque table, troubleshooting. Instant PDF download.

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