170Z

Compact Excavator

OPERATOR'S MANUAL

PART #50940104

Revision A - 06/12

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Mustang 170Z Compact Excavator Operator Manual

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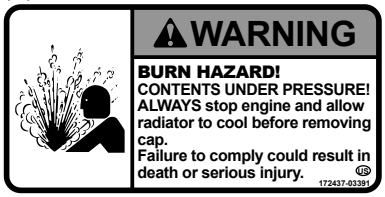
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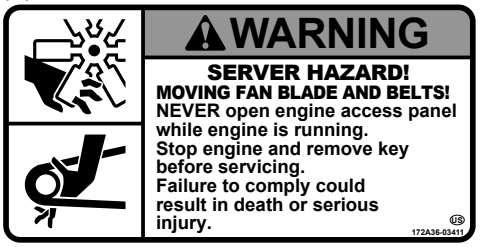
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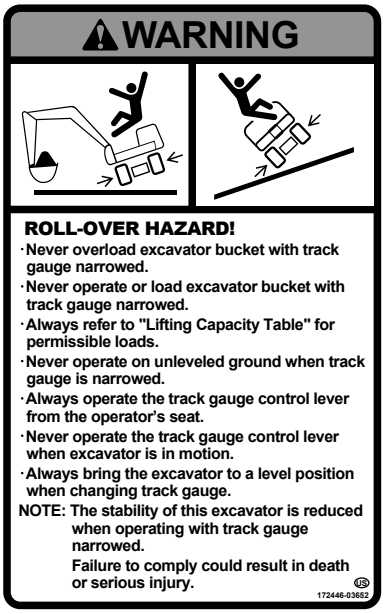
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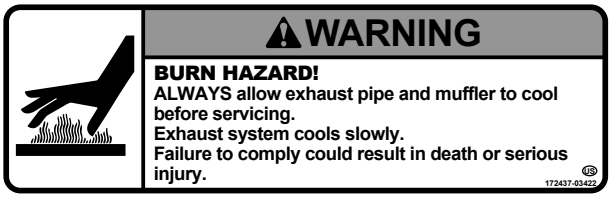
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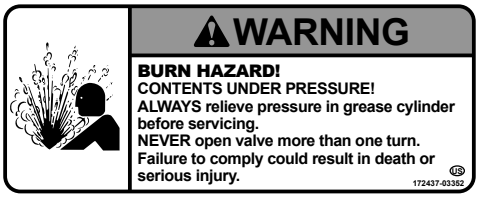
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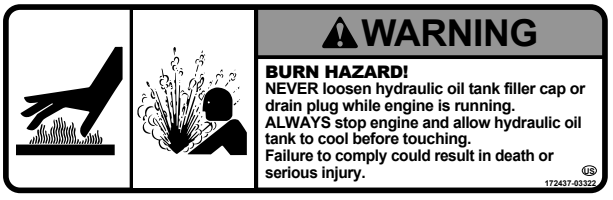
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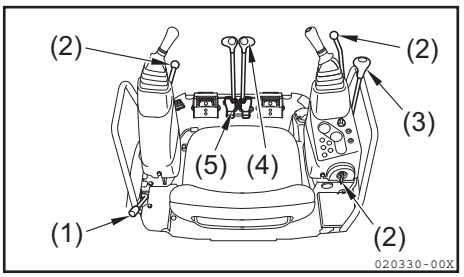
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13-4. Traveling

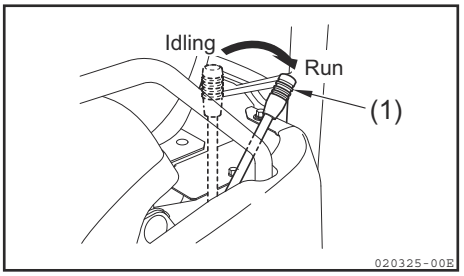
13-4-1. Traveling forward

⚠ WARNING

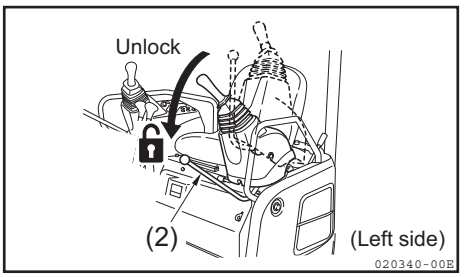
- **Always check the position of the blade before operating the travel levers and pedals.**
  When the blade is in the rear, the travel levers and pedals operate in the reverse of the normal operation.
- **A signal person should be in attendance to give signals at sites which are dangerous or not clearly in view of the operator.**
- **Clear all people from the working area.**
- **Sound the horn before beginning travel, to alert the people near the machine.**
- **Clear obstacles from the path of the machine.**
- **Do not operate the travel levers and pedals rapidly while the engine is running at high speed. Otherwise, the machine may move unexpectedly, causing a serious accident.**



1) Pull the accelerator lever (1) back to the "RUN" position to increase the engine speed.



2) Unlock the lock levers (2), and retract the implement to raise it 16 to 20 in. (40 to 50 cm) above the ground.



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15. Care and Service in Cold Weather

15-1. Preparing for cold weather

In cold weather, you may have difficulty in starting the engine or the cooling water may freeze. So take measures as follows:

15-1-1. Fuel and lube oil

Use low viscosity fuel and lube oil. For the specified viscosities, refer to Section "21. Fueling, Oiling and Greasing Based on Temperature Range".

15-1-2. Cooling water

⚠ WARNING

Anti-freeze is flammable. When handling anti-freeze, keep away from any sources of ignition and do not smoke.

IMPORTANT

Never use an anti-freeze containing methanol, ethanol, or propanol.

For the timing of cooling water change and the mixing ratio of the anti-freeze, refer to Section "25-2. Non-periodic services".

Note :

Because a long-life coolant (LLC) is added to the cooling water, you need not change it until the temperature falls below -31°F (-35°C).

If the temperature falls below -31°F (-35°C), refer to Section "25-2. Non-periodic services" to control the density of the cooling water.

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22. Standard Tightening Torque for Bolts and Nuts

22-1. Required tools

The following tools are required for servicing; refer to the parts manual for tools part numbers:

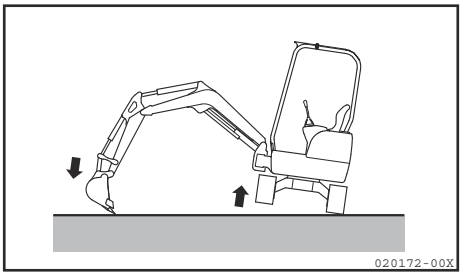
No.	Name	Q'ty
1	Screw driver (universal system)	1
2	Filter wrench 68	1
3	Filter wrench 80	1
4	Filter wrench LO	1
5	Pressuring nozzle	1
6	Filter wrench 92	1
7	Wrench 8×10	1
8	Wrench 12×14	2
9	Wrench 17×19	1
10	Wrench 22×24	2
11	Wrench 27×30	1
12	Wrench 32×36	1
13	Hexagon bar wrench 4	1
14	Hexagon bar wrench 5	1
15	Hexagon bar wrench 8	1
16	Box wrench 27×140	1
17	Turning handle 12×250	1
18	Grease hose	1
19	Grease gun 800	1
20	Pliers 200	1

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If the tools listed above are damaged, order them from your dealer.

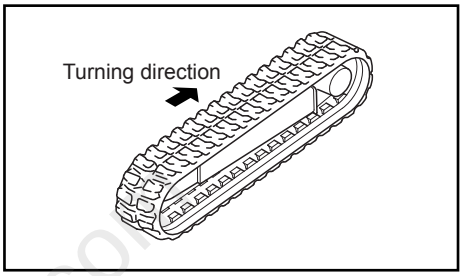
■ **Installing the rubber crawler**

1) Raise the machine with the implement and the safety blocks.
   To do this, slowly operate the control lever.



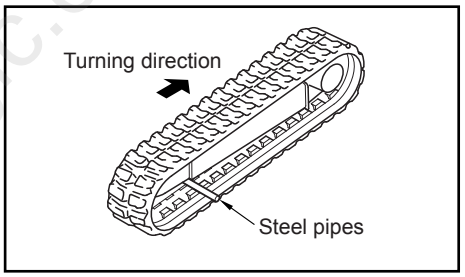
2) Engage the rubber crawler with the sprocket, and place the rubber crawler on the idler.

3) Rotate the sprocket in the reverse direction to push the rubber crawler in, and then stop rotating it.



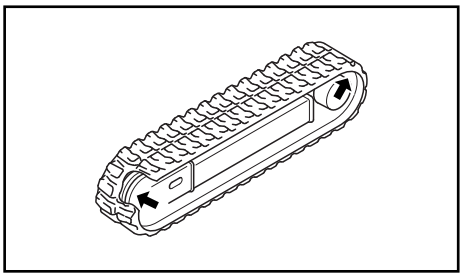
4) Insert a steel pipe into the rubber crawler, and rotate the sprocket again to place the rubber crawler on the idler.

5) Stop rotating the sprocket, and confirm that the rubber crawler is securely positioned on both the sprocket and the idler.



6) Adjust the rubber crawler tension, referring to Section "25-2-2. Checking and adjusting the rubber crawler tension".

7) Confirm that the rubber crawler is fully engaged with both the sprocket and the idler, and that the rubber crawler tension is sufficient. Then lower the machine to the ground.



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27. General Precautions

27-1. Safety precautions

The mounting of unauthorized attachments and optional parts may cause accidents as well as shorten the machine life.
If you need to mount any attachments other than those described in this manual, contact your dealer. If you fail to do so, the installation and use of unauthorized attachments and parts may void your Warranty.

⚠ WARNING

Precautions for mounting and dismounting an attachment
When mounting or dismounting an attachment, observe the following precautions for safety.

- **When mounting or dismounting a heavy implement or attachment, place the machine on level, solid ground.**
- **To prevent clashing against the canopy, never mount attachment over Max. wrist radius.**
- **When you work together with a partner, define hand signals and communicate in accordance with those signals.**
- **When moving a heavy load [more than 55 lbs. (25 kg)], use a crane.**
- **When removing a heavy part, be sure to support it adequately.**
  When lifting such a part with a crane, take note of its center of gravity.
- **Do not mount or dismount a heavy part while suspending it with a crane. Be sure to support it securely on a stable base.**
- **Securely support any attachment that has been removed or is to be installed, and take adequate precautions not to let it fall down.**
- **Never stand directly under a load suspended by a crane.**
  Stand far enough away to be safe if the load should fall.

IMPORTANT
Comply with all licensing requirements before operating a crane.
Do not permit an unauthorized person to operate a crane.
For more information about the procedures for mounting and dismounting attachments, ask your dealer.

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Mustang 170Z Compact Excavator Operator Manual

Mustang 170Z compact excavator operator manual, pub. 50940104 Rev. A. Controls, starting, safety, maintenance table, torque table. Instant PDF download.

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