270Z
350Z

Compact Excavator

OPERATOR'S MANUAL

machinecatalogic.com

PART #50940102

Revision A - 06/12

Mustang 270Z and 350Z Compact Excavator Operator Manual

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

Brand: Mustang

Models: 270Z and 350Z

Machine: Compact Excavator

Publication No.: 50940102 (Rev. A)

Edition date: June 2012

Language: English

Main contents

- 1. Introduction
- 2. Safety Information
- 3. Product Overview
- 4. Operation License
- SAFETY
- 7. Basic Precautions
- 8. Operating Precautions
- 9. Precautions for Servicing
- 10. Safety Messages (Warning Labels)
- OPERATION
- 11. Identification of Important Parts
- 12. Description of Control Devices
- 13. Operating Instructions
- 14. Transportation
- 15. Care and Service in Cold Weather
- 16. Long-term Storage
- 17. Troubleshooting
- MAINTENANCE
- 19. Basic Servicing Practices
- 20. Consumables
- 24. Maintenance Table
- 25. Procedures for Maintenance
- SPECIFICATIONS AND DIMENSIONAL DIAGRAMS
- OPTIONAL PARTS AND ATTACHMENTS
- 27. General Precautions
- 28. Handling the Hooked Bucket
- 31. Maintenance Log
- 32. Notes

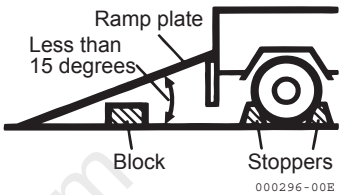
machinecatalogic.com

Sample pages follow. Full manual: machinecatalogic.com

8-3. Precautions for transportation

Precautions for loading and unloading the machine

- Be careful in loading and unloading the machine, because it is a job of high hazard potential.
- Load or unload the machine at a low engine speed, and low travel speed.
- Load or unload the machine on the level, solid ground away from the shoulder of the road.
- Use ramp plates of adequate strength with hooks on their ends.
  Check to see that the ramp plates are wide, long, and thick enough to sustain the load so that you can load or unload the machine safely. Support the ramp plates with blocks, to provide additional strength.



- Securely hook the ramp plates to the deck of the truck so that they will not come off.
- Remove grease, oil, and other slippery deposits from the ramp plates, and remove mud from the tracks to prevent the machine from skidding on the ramp plates.
- Do not load or unload the machine if the ramp plates are slippery because of rain, snow or ice.
- Never change travel direction while on the ramp plates. If you need to change travel direction, go down the ramp plates, and change direction on the ground.
- After loading the machine, block it with lumber and secure the machine with a chain or a wire rope so that the machine will not move during transit.

  For instructions on loading and unloading the machine, refer to Section "14. Transportation".

  For instructions on securing the machine, refer to Section "14. Transportation".

Precautions for transporting

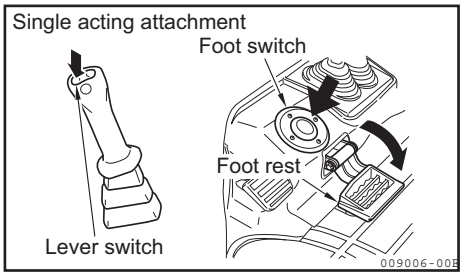
- Transport the machine safely in accordance with the laws associated with applicable law.
- Select a travel route consistent with the width, height and weight of the machine loaded on the truck.

machinecatalogs.com

(8) P.T.O. switches

1) Foot switch

Unfold the foot rest and press the foot switch to operate a single acting attachment.



2) Lever switch

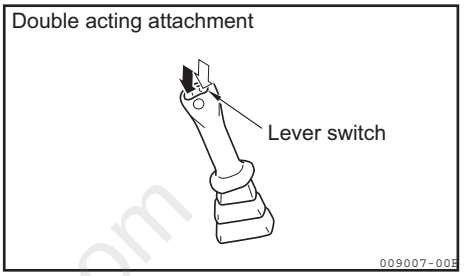
Use this switch to control the attachment.

• Single acting attachment (hammer)

Operate the lever switch with pressing the foot switch.

• Double acting attachment (tilt bucket, auger, etc.)

Operate the lever switch only.



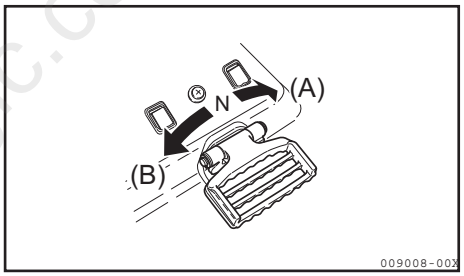
(9) Boom swing pedal

Use this pedal to swing the boom to right and left after unfolding it flat.

(A) : Swing right : move to the right

(B) : Swing left : move to the left

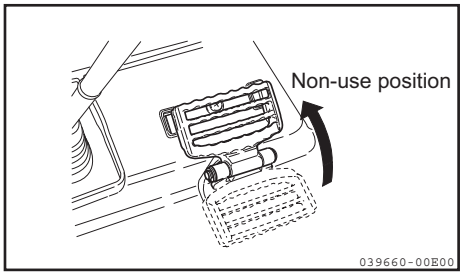
N : Neutral...When released, the pedal will return to the neutral position and the boom is held as it is.



(10) Non-use position of the boom swing pedal

Fold the boom swing pedal forward to put it into the non-use position.

To prevent misuse, always set the pedal in the non-use position when the boom swing pedal is not being operated.



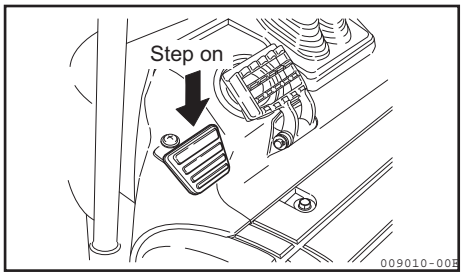
(11) High-speed pedal

Step on this pedal to control the travel speed. Step on the pedal while the travel levers are in operation to increase the travel speed.

IMPORTANT

Do not travel at high speed for many hours.

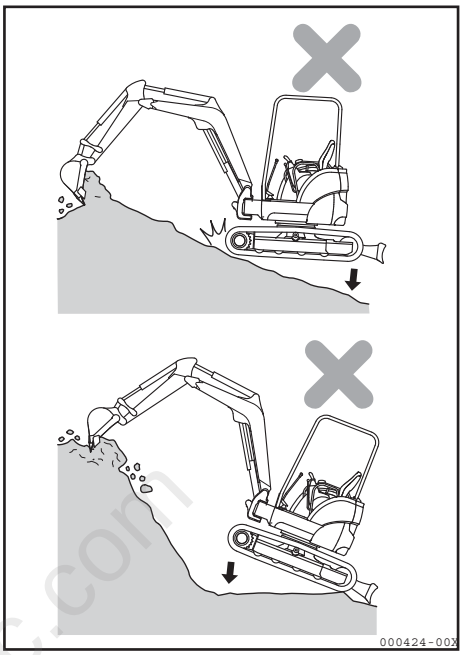
Do not step on the pedal while operating the blade.



machine.catalogic.com

■ **Do not operate the implement by using the dropping force of the machine**

Do not excavate the ground by using the dropping force of the machine.



■ **Excavating a hard rock**

It is recommended that a hard rock first be broken into small pieces by other means. Doing so will prevent damage to the machine and will increase economy.

machinecatalogic.com

16-2. Storing

⚠ WARNING

When you have to operate the machine indoors for the antirust procedure, be sure to ventilate the area well by opening windows and doors to prevent asphyxiation.

Move the machine at least once a month to form new oil films on all the moving parts during long-term storage, and recharge the battery at the same time.

16-3. Using the machine again

IMPORTANT

When reusing a machine stored for a long time without antirust treatment once a month, consult your dealer.

To use the machine again after a long period of storage, follow the procedure below:

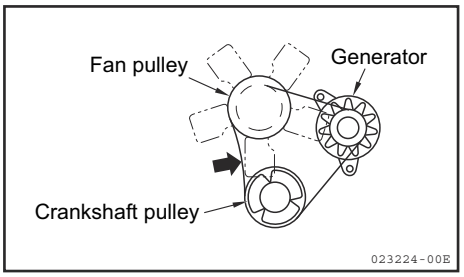
- Wipe antirust off the hydraulic cylinder rod.
- Apply a generous amount of grease or oil on the moving part.
- Drain water from the fuel tank, the engine oil pan and the hydraulic oil tank by removing the drain plugs.
- After starting the engine, warm-up the machine.

machinecatalogic.com

25-3-5. Checking and adjusting the fan belt tension

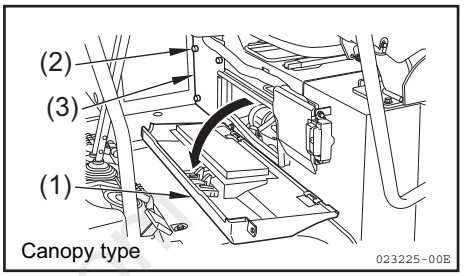
⚠ WARNING

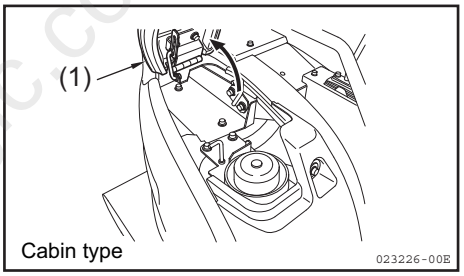
- **Stop the engine, take out the starter switch key, and attach the "SERVICING IN PROGRESS" tag to a control lever.**
- **The fan belt is hot immediately after the engine is stopped.**
  Do not adjust the fan belt tension immediately after stopping the engine.
- **Adjust the fan belt tension after all parts of the engine have fully cooled down.**



■ **Checking the fan belt tension**

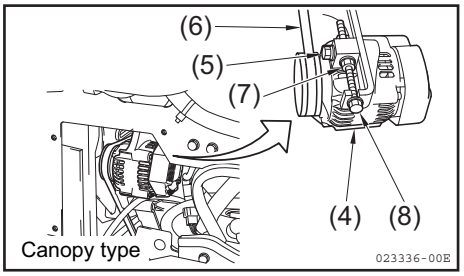
1) Open the cover (1).
2) Press down fan belt between the crankshaft pulley and the fan pulley with a finger to check the generator belt tension.
   Pressing load : Approximately 22.1 lbs. (10 kgf)
   Adequate slack : 0.39 to 0.59 in. (10 to 15 mm)
3) Adjust the tension if necessary.
4) When the tension is proper, close the engine hood rear cover.

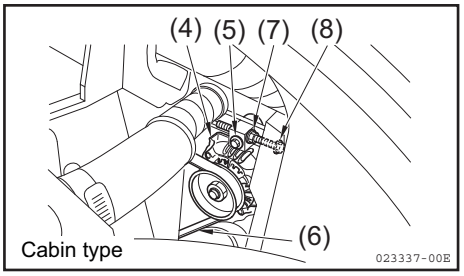




■ **Adjustment**

1) Canopy type: Open the cover (1), remove the bolt (2) and the cover (3).
   Cabin type : Open the cover B (1).
2) Loosen the generator (4) mounting bolts (5).
3) Loosen the lock nut (7) of the adjuster.
4) Turn the adjuster bolt (8) clockwise and move the generator (4) so that the generator fan belt (6) tension will be slacked approximately 0.4 to 0.6 in. (10 to 15 mm) 72.3 ft-lbf (98.1 N-m).
5) Retighten the mounting bolts (5) to secure the generator.
6) Retighten the lock nut (7) of the adjuster bolt (8).
7) Check the pulleys, the V-groove, and the fan belt (6) for damage, and check to see that the fan belt (6) does not touch the bottom of the V-groove.





machinecatalogic.com

29-2. How to use air conditioner

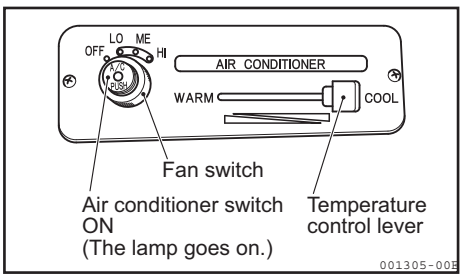
⚠ CAUTION

- **The eyes might get sore from smoking when the cabin is air conditioned. Ventilate the cabin by opening the window slightly when smoking.**
- **Some mist might blow off with cooled air when the cabin is air conditioned. This occurs because the water particles in the wet air are frozen and blown out. So, it is not abnormal.**
- **When using the air conditioner after parking the cabin in the hot weather, ventilate the cabin by opening the door and windows to let the hot air inside go out of the cabin so that the air-conditioning can work efficiently.**
- **Take care to adjust the temperature properly not to cool the air inside the cabin too long because it is not good for the operator's health.**
- **If the air does not blow off, the air volume is small or the cabin is not air conditioned well when the air conditioner is turned ON, turn the air conditioner switch OFF and ask your dealer to check the air conditioner. If you keep using the air conditioner in the abnormal state, it will cause damage to the fan motor or the compressor.**
- **Even in the seasons when the air conditioner is not used, operate the air conditioner for a few minutes once or twice every two or three weeks. That prevents the rotating parts such as the compressor from running out of oil, which prevents malfunction of the parts in turn.**

machinecatalogic.com

29-2-1. Air conditioning

1) Set the fan switch at any of the three positions (Low, Medium or High).
2) Set the temperature control lever at the COOL position (the right position).
3) Turn the air conditioner switch ON. (The lamp goes on.)
4) Adjust the temperature inside the cabin properly with the temperature control lever and the fan switch after the cabin is cooled off.



machinecatalogic.com

Full Version Available

Mustang 270Z and 350Z Compact Excavator Operator Manual

Mustang 270Z and 350Z compact excavator operator manual, 50940102 Rev. A: safety, controls, maintenance table, troubleshooting. Instant PDF download.

VIEW THE FULL MANUAL

https://machinecatalogic.com/mustang-270z-and-350z-compact-excavator-operator-manual/

Publication No.: 50940102 (Rev. A) · Language: English · Edition: June 2012