450Z

Compact Excavator

OPERATOR'S MANUAL

PART #50940100

Revision A - 06/12

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Mustang 450Z Compact Excavator Operator Manual

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Models: 450Z

Machine: Compact Excavator

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Sample pages follow. Full manual: machinecatalogic.com

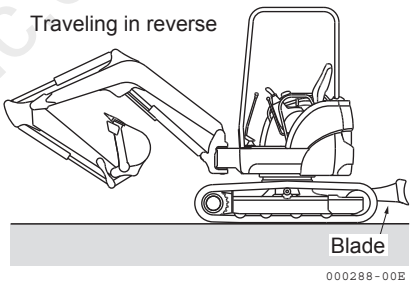
8-2. Precautions for starting the engine, working and parking

Signal before starting the engine

- Check the machine carefully before initial start up for the day.
- Make sure there are no persons near the machine before getting on it.
- Never start the engine when the "SERVICING IN PROGRESS" tag is attached to the control system.
- Sound the horn to alert people nearby before starting the engine.
- Be sure to start the engine and operate the machine from the operator's seat only.
- Do not allow any other persons to get on the machine.

Check the position of the blade before operating the machine

- Check the position of the blade before operating the travel levers. When the blade is located in the back, the operation of the travel levers is reversed.
  For instructions on How the machine travels, refer to Section "13-4. Traveling".



Make sure there are no persons nearby when turning or reversing the machine

- A signal person should be provided for safety when the work site is hazardous or when visibility is poor.
- Keep all other persons away from the work site or the traveling path of the machine.
- Alert persons nearby with a horn or other signal before starting the machine.
- The machine permits a limited range of vision toward the rear. Make sure there are no persons behind the machine before reversing.



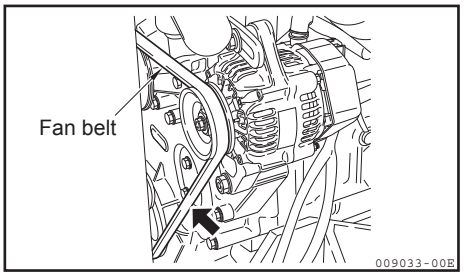


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■ **Checking the fan belt tension**

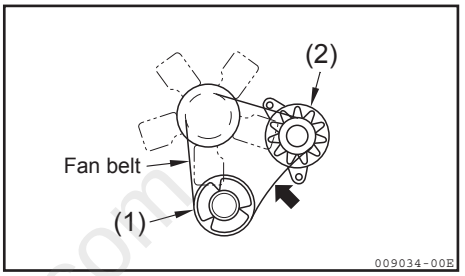
1) Open the engine hood rear cover.

2) Press down the fan belt between the crankshaft pulley (1) and the generator pulley (2) with a finger to check the fan 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.
   Refer to Section "25-6. Maintenance every 250 service hours" for the adjustment procedure.

4) When the tension is proper, close the engine hood rear cover.



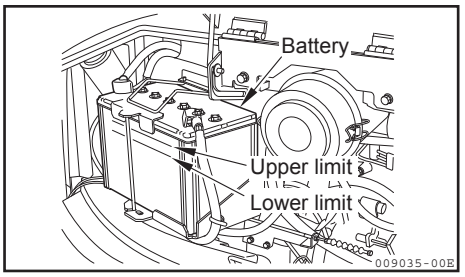
■ **Checking and replenishing the battery electrolyte**

⚠ DANGER

- **The battery generates flammable gas and can cause a fire and an explosion.**
  Keep sparks, flames and lit cigarettes away from the battery.
- **Battery electrolyte is strong acid. To avoid serious injury, do not allow the electrolyte to contact your skin or splash into your eyes.**
- **Always wear safety goggles and protective clothing, when adding electrolyte.**
- **Do not use the machine with the battery which is short of battery electrolyte. The shortage of battery electrolyte not only will reduce the life of the battery but also could cause an explosion.**

1) Open the engine hood rear cover to check the electrolyte level. The level must be between the upper and lower level marks.

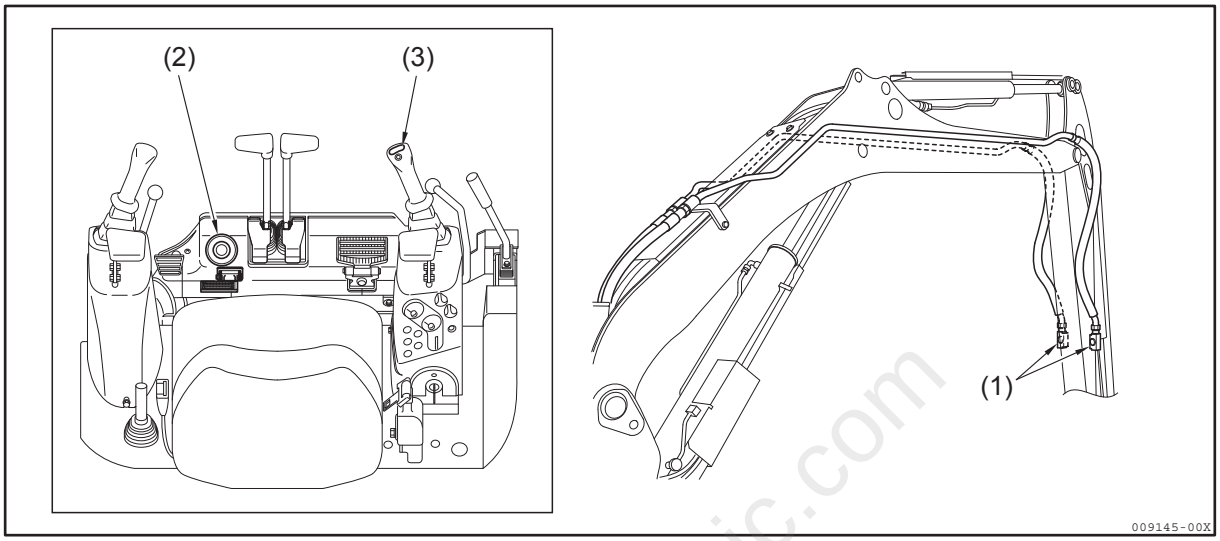
2) If the electrolyte level is lower than the lower level mark, replenish it.



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13-21. Handling hydraulic P.T.O.

13-21-1. Description of stop valve, P.T.O. selector valve, P.T.O. pedal and pedal lock



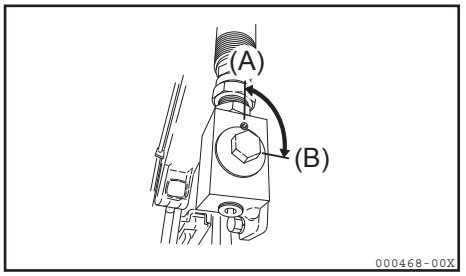
(1) Stop valve

This valve can stop the flow of the hydraulic oil.

(A) Open : The hydraulic oil flows

(B) Close: The hydraulic oil stops.

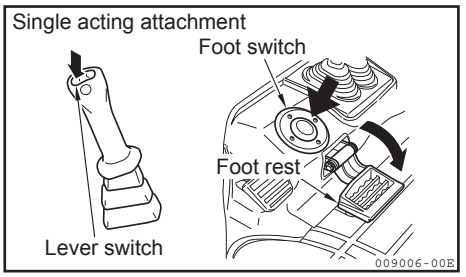
Set this valve at the closed position when removing and installing an attachment.



P.T.O. selector valve

(2) Foot switch

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



(3) Lever switch

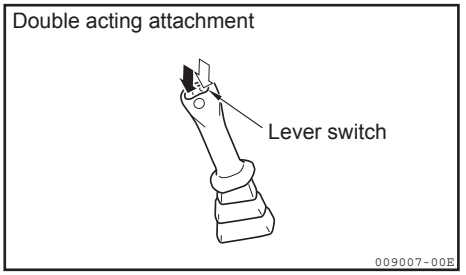
Use the right hand lever switch to control attachments.

• Single acting attachment (hammer)

Operate the lever switch to the left side only (or operate the foot switch).

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

Operate the lever switch to right and left sides.



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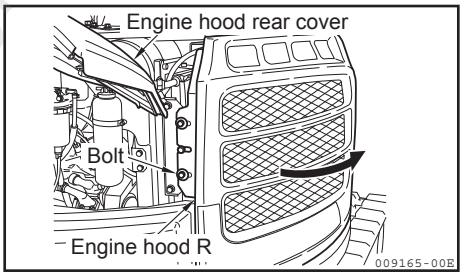
25-6-3. Checking and cleaning the radiator fin

⚠ WARNING

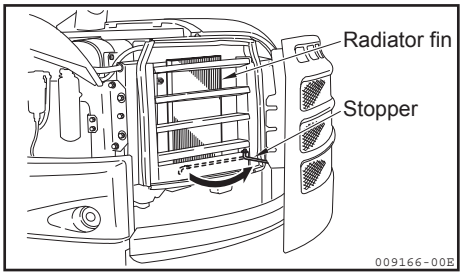
- **Never attempt to check and clean the radiator fin while the engine is running.**
  Always stop the engine and allow it to cool first, before checking and cleaning it.
- **Compressed air can cause bodily injury since the objects around the radiator fin may scatter.**
- **Whenever using compressed air for cleaning, check that there are no other persons nearby, and always wear safety goggles and protective clothing and shoes.**
- **The maximum compressed air pressure should be less than 100 PSI (0.7 MPa) for cleaning purposes.**

1) Open the engine hood rear cover.

2) Loosen cap screws to open the engine hood R.



3) Fix the engine hood R with the stopper.



IMPORTANT

- **Always blow the compressed air a little away from the fin to prevent damage to the fin.**
- **The damaged fin will cause water and oil leakage and overheating.**

4) Check that the radiator fin is straight and all the dirt is removed completely.

5) Remove the stopper from the engine hood R to reinstall it in its original position.

6) Tighten the engine hood holding cap screws and close the engine hood rear cover.

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Full Version Available

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Mustang 450Z Compact Excavator operator manual, Pub. 50940100 Rev. A: safety, controls, maintenance table, torque, specs. Instant PDF download.

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