

Operator's Training Guide

Overview

Upon successful completion of this program, the Operator will be awarded an Operator's certificate which demonstrates that he/she can assemble, tow, service and safely operate a CanDig mini excavator.

Before operating a CanDig, the Operator should read and understand the general Owner's Manual to learn about assembly, towing, operation & safety, and servicing. After successfully completing the exam, the operator will be given a Log Book which credits him/her for practical experience. After operating a CanDig for a minimum of 100 hours, the operator will be awarded an official Certificate of Operation, and his/her name may choose to be included on the CanDig website to assist them with future employment.

Operator's Written Exam

After the Operator studies the Owner's Manual, he/she will need to score 100% on the written exam before being allowed to operate a CanDig mini excavator. If he/she scores less than 100%, then they should refer to the answers provided to ultimately understand the material covered in the exam. Note that the exam questions only cover a sample of the knowledge required to operate CanDig safely, so the entire Owner's manual needs to be fully read and understood.

Answer yes or no to each of the following questions. You may use the Owner's manual to help you with your answers. When you're finished writing the exam, you can self-check your work by referring to the answers at the back of the manual.

1. Yes___ No___ 30 weight Honda engine oil is recommended to be used with the Honda engine.
2. Yes___ No___ CanDigs should only be re-configured from travel mode to work mode on a level surface, since they have no brakes and could roll away if changed on a slope.
3. Yes___ No___ When on slopes, be sure the digging end is always facing the lower side of the slope.
4. Yes___ No___ The Honda engine runs on gasoline which produce fumes that can cause sickness and death, especially in a confined area.
5. Yes___ No___ Always lower hydraulic attachments (such as the boom/bucket) to the ground before leaving the machine unattended.
6. Yes___ No___ It's okay to drop the boom suddenly to remove stubborn material from the bucket.
7. Yes___ No___ Before operating CanDig, remember to remove the 1 inch safety travel pin from below the boom.
8. Yes___ No___ It is not necessary to lower the vertical tongue support post before changing the excavator from travel mode to work mode, or visa versa.
9. Yes___ No___ All CanDigs now have multi-positioning options for stabilizer arms and axles to provide more options on uneven ground.
10. Yes___ No___ The wheel axles, when positioned for towing should be facing towards the digging end to provide safe tongue support for towing.
11. Yes___ No___ When the wheel axles are positioned at the towing end (for digging), they can be positioned either facing up, down or back towards the tow end, depending on ground slope it's working on.
12. Yes___ No___ There are grease nipples to be greased at least once daily.
13. Yes___ No___ Change the hydraulic filter (Donaldson P551551, or equivalent) after about 20 hours for the first time, then once or twice annually.
14. Yes___ No___ In temperate climates, it is recommended that you store your excavator for winter months as follows: Change the engine oil. Fill the gas tank, including putting some gas stabilizer in your gas tank in order to prevent condensation from building up in

the tank during the winter. Next, start the engine and shut the gas supply line off so that the lines are left clear. Run the engine until all the gas in the line is used up. Cover your excavator so that it is protected from the elements.

15. Yes___ No___ Use a 2 inch trailer ball to tow on highway. For helicopter transport, the ideal straps lengths are 2 x 10 feet (attached around the back axles while in the working mode); and 1 x 5 feet (attached around the top elbow of the boom/extension).
16. Yes___ No___ To move forward, reach out with the boom extension, place the bucket on the ground, teeth facing forwards, and lift the stabilizer legs off the ground. Use the boom extension control to move the excavator forward, then gently allow the boom to be raised. Repeat this process over and over until you have moved forward to where you need to be.
17. Yes___ No___ When traveling on extreme slopes, always be ready to pull the boom lever towards you if the excavator becomes unstable. This will allow the stabilizer legs to grab the ground, providing the safest stability.
18. Yes___ No___ When digging, if you have too big of a bite into the earth, or if there is too much resistance, allow the boom to lower slightly or angle the teeth so that they are cutting into the earth better.
19. Yes___ No___ It is safest to swing a loaded bucket towards the lower side of a slope.
20. Yes___ No___ If you need to dig a trench deeper, you can re-position the excavator forward over what you've already dug, so that you are digging more directly underneath.
21. Yes___ No___ Backfilling is best done by using the bucket to sweep the ground back into the trench.
22. Yes___ No___ The correct amount of hydraulic fluid is when it is filled to slightly above the mid point of the strainer).
23. Yes___ No___ The CD21 and "Mining CD21" both operate using the following pump: Eaton part number 26001-RZG Model description: GR Pump (BQR-DIST) (6 gpm)
24. Yes___ No___ The CD21 and "Mining CD21" both use about 2 gallons of unmixed gas during an 8 hour shift.
25. Yes___ No___ You can earn \$500 credit by successfully referring another customer to invest in their own CanDig mini excavator.

Answers:

1. Yes X No___
2. Yes X No___
3. Yes___ No X The digging end needs to be on the UPPER side so the excavator remains stable.

4. Yes No
5. Yes No
6. Yes No Dropping the boom may cause the operator to be jolted out of his seat.
7. Yes No
8. Yes No The vertical tongue support **MUST** be lowered so the excavator can be changed from travel mode to work mode, and visa versa.
9. Yes No
10. Yes No
11. Yes No
12. Yes No
13. Yes No
14. Yes No
15. Yes No
16. Yes No
17. Yes No
18. Yes No The boom should be **RAISED** slightly if too much resistance is experienced while digging.
19. Yes No Always choose to swing a loaded bucket to the upper side of the slope since it is more stable to do so, and less likely to tip the excavator over.
20. Yes No
21. Yes No Backfilling is best done by digging the loose dirt, lifting it, and swinging it into the hole. It is okay to use the bucket to sweep the small remaining bit of ground, but do not rely on this sort of action since it is will cause premature wear of the bushings at the joints.
22. Yes No
23. Yes No
24. Yes No
25. Yes No

Operator's Log Book

This Log Book is the official record of the CanDig Training issued by CanDig Inc., and monitored by the company who owns the CanDig mini excavator; and approved by Gordon Leschyson (President of CanDig Inc.).

Company Name: _____

Operator's Name: _____

Date of Issue: _____

Use of Log Book

Operators, this Log Book is the official record of your operator's training, practical work experience, and demonstrated understanding of the safety procedures expected to operate a CanDig safely. You are responsible for:

1. Getting it endorsed by your employer/s;
2. Producing it when required.

Please note that your Log Book is the only record of your CanDig operator's experience, so take care of it. As an added precaution, you should photocopy the experience endorsement pages and keep them in a safe place. Once the Operator demonstrates at 100% comprehension of the written exam, and has completed a minimum of 100 hours of practical operation of a CanDig mini excavator, then he/she will be awarded an Operator's Certificate. That certificate should be registered with CanDig Inc. by your employer so that your name can be posted on the CanDig website (www.candig.com), showing you are a qualified CanDig operator. If you provide your contact information, CanDig Inc. will list you under the "employment" section so you can get future calls from potential Employers.

Employers, this Log Book documents the Operator's:

1. Practical work experience. You must complete the experience endorsement in this book when requested by the Operator and especially when the Operator leaves your employ. To register a new operator on the CanDig website, the Employer should email the Operator's name, address and phone number to sales@candig.com.

Employment Record

To be completed and signed by employer's representative

Employer: Name/Address _____

Date: From y/m/d to y/m/d

From: _____ to _____

Total number of hours worked _____

Description of work performed by the Operator.

Employer’s representative Name _____ and signature _____

XX

Employer: Name/Address _____

Date: From y/m/d to y/m/d

From: _____ to _____

Total number of hours worked _____

Description of work performed by the Operator.

Employer’s representative Name _____ and signature _____

XX

Employer: Name/Address _____

Date: From y/m/d to y/m/d

From: _____ to _____

Total number of hours worked _____

Description of work performed by the Operator.

Employer’s representative Name _____ and signature _____

XX

Certificate of Operation

This certifies that

Has successfully completed the requirements for the

CanDig Operator’s Certificate



Date _____

Authorized by

G. Leschyson
GORDON LESCHYSON
PRESIDENT
Can-Dig