

Snowmobile: Arctic Cat – Bearcat Z1 XT

Basic instruction manual

By Jesper Mosbacher

The research station owns a snowmobile, which can be used upon approval from the station director, Torbjørn Ergon (92 60 21 38) or manager, Erika Leslie (90 53 92 40). Any driver of the snowmobile must show a valid driving license for snowmobiles (read more here: [http://www.vegvesen.no/Forerkort/Om+forerkort/Hva+har+jeg+lov+a+kjore/Snoscooter+\(klasse+S\)](http://www.vegvesen.no/Forerkort/Om+forerkort/Hva+har+jeg+lov+a+kjore/Snoscooter+(klasse+S))).

Any driver of the snowmobile must show a valid driving license for snowmobiles. Our insurance only covers employees at the University of Oslo. Other users must provide their own insurance (liability insurance is required by law). If you plan to use the snowmobile for research, please contact the director or manager well ahead of time to make arrangements.

The snowmobile can be used to transport equipment or supplies between the Finse railway station and the research station without a special permit. Permission for any other usage must be applied for on a project-by-project basis (read more here: <http://www.finse.uio.no/user-information/rules-and-regulations/permits/snowmobile-and-landscape/index.html>). For contribution toward fuel expenses and maintenance, we charge NOK 5,- per km.

For use of the snowmobile, please read this quick guide on how to start the engine, together with some of the basic functions:

HOW TO START THE ENGINE:

Please follow all the steps carefully!

1. Make sure the brake is on the left handle is in “locked position”, so the snowmobile do not jump when you start the engine. See picture 1 for of the “locked position”.
2. Turn on the electricity by pressing the red button on the right handle down. See picture 2.
3. Turn the ignition key **only to the first position!** (see picture 3). You will then see the needle on the speedometer swing all the way to the right and back again in its usual position.
4. Now, turn the key all the way to start the engine.
5. On the speedometer the text “Temp” will appear. **Wait for engine to heat, and the text “temp” to go away before driving the snowmobile.** See picture 4.
6. When finished using the snowmobile, turn the ignition key back in its original position and remember to push the red button on the right handle back in its original position to turn off the electricity of the snowmobile.



Picture 1: The brake is in the “un-locked position” to the left, and in the “locked position” to the right.



Picture 2: To turn on the electricity of the snowmobile, press the red button down into this position.



Picture 3: The ignition key is located on the right side, next to the steering handle. Do only turn the key into the first position in the beginning, before turning it all the way.



Picture 4: The text "temp" appears on the speedometer after turning on the engine. Wait for the engine to heat and the text to disappear before start driving the snowmobile.

HOW TO DRIVE THE SNOWMOBILE:

The snowmobile only has 2 gears: Forward and backwards.

For going forward, just press on the gas-handle located at the right steering-handle (see picture 5).



Picture 5: The gas-handle.

For going backwards just push the grey button on the right handle with the text “reverse” above (see picture 6).



Picture 6: The snowmobile has a “Push-button reverse”. To go backwards, just push the grey button shown on the picture above.

OTHER FUNCTIONS:

The snowmobile has some other functions that could be useful for you. For example:

- Heating for hands and feet (picture 7)
- A hitch for pulling a sledge (picture 8)
- Under seat storage room (picture 9)
- Add or remove a third passenger seat (picture 10)



Picture 7: For turning on the heat in the steering-handle and the for the feet pres the grey buttons on the left steering-handle. The button on top is for the hands, and the button below is for the feet. In neutral position (middle) there is no heat, while to the left (1 dot) is minimum heat, and the right position (3 dots) is maximum heat.



Picture 8: The snowmobile is equipped with a heavy-duty hitch on the back, so it is possible to pull a sledge.



Picture 9: If you need to store things you need for the ride, there is a storage room under the driver seat.



Picture 10: The tunnel rails, shown on the picture, allow you to remove the passenger seat, or add a third seat.