



BRUNTON

8010

Luminous Glow

BASEPLATE COMPASS

Parts of the Compass:

1. Azimuth ring w/ 2° graduations
2. Orienting Needle Outline
3. Compass Needle
4. Rotating Dial
5. Bearing Index line
6. Direction of Travel Arrow
7. Map Magnifier
8. Inch Scale
9. Liquid Filled Vial for Smoother Needle Movement
10. Ergonomic Base Plate
11. Declination Adjustment Index Line
12. Lanyard lash point

Magnetic Declination

The difference between True North and Magnetic North (which attracts your compass needle) varies depending on your location on the globe. To find your current declination visit NOAA's online declination calculator here: www.ngdc.noaa.gov/geomagmodels/Declination.jsp

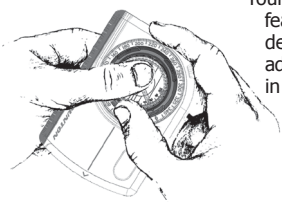


Fig. 1

Your Brunton Compass features tool-free declination adjustment. To adjust, place your thumb in the center of the liquid filled vial, then pinch the vial with your fore-finger on the bottom through opening in the center of the vial base. Hold the rotating dial (**part no 4 above**) still with your other hand, and then twist the liquid filled vial within the outer dial (**fig 1**). Adjust to the appropriate declination setting according to your location using the red hash mark at the tip of your orienteering needle. When complete, the compass will automatically compensate for declination.

For example, if your current declination is 20 degrees West (or 20°W) the compass should adjust 20 degrees toward the West to compensate. The figure here shows the factory setting at zero declination, and then compensated according the declination scale (**Fig 2a & 2b**)



Fig. 2a



Fig. 2b

Orienting the map to north

Since a map represents the lay of the land, you must accurately orient your map to the lay of the land if you wish to match the geographical picture with the map image.

1. Adjust Compass for Declination.
2. Turn Dial to Zero Degree North with the direction-of-travel arrow.
3. Place compass along the north pointing meridian lines on the map.
4. Without moving the compass, rotate map until the red north seeking needle end is inside of the red needle outline.

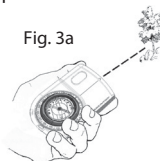
Finding your way using a map and compass

1. Place the compass on the map with the edge of the compass pointing from your starting position (where you are) to the desired finish point.
2. Rotate the dial until the red orienting arrow and lines in the bottom of the dial are parallel with the north pointing meridian lines on the map.
3. Pick up the compass from the map and hold the compass level in front of you. Turn yourself until the red north seeking needle is inside of the red needle outline. The direction of travel arrow on the base plate is now pointing towards your desired finish point.
4. In the landscape, pick out a landmark along your direction of travel and move towards it, checking periodically that your needle and red needle outline are aligned. Repeat this procedure until your destination is reached.

Finding your heading/bearing without a map

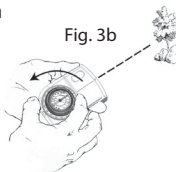
1. Select a visible landmark along the route you wish to travel such as a rock formation or mountain top. With the compass held level, point the direction of travel arrow on the compass base plate at the landmark. (**Fig 3a**) **If you're using a mirrored compass, center the landmark in the sighting window, and position the mirror so that a top view of the compass dial is visible in the reflection.**

Fig. 3a



2. Rotate the dial until the red outline aligns with the north-seeking needle. Read your heading/bearing at the index line. (**Fig 3b**) **When using a mirrored compass, keep your landmark centered in the sighting window, and align the needle with the reflection shown in the mirror.**
3. Keep the needle aligned with the red orienteering outline as you travel to your landmark. Repeat procedure until your destination is reached.

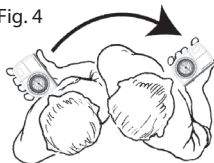
Fig. 3b



If you know your bearing

1. If you have been given a bearing in degrees to follow, turn the dial so that the index line aligns with the correct bearing degree number. Hold the compass level with the direction of travel arrow pointed straight ahead.
2. Turn your body until the needle is aligned with the red needle outline. You now face your correct direction of travel (**fig 4**)
3. Pick out a landmark along your direction of travel and move towards it, checking periodically that your needle and red needle outline are aligned. Repeat this procedure until your destination is reached.

Fig. 4



4. Draw a line along the straight edge of the compass base plate, extending it as needed (**fig 5**).
5. Repeat this process for landmark #2 and again for #3.
6. The triangle formed by the three lines crossing will approximate your position on the map.

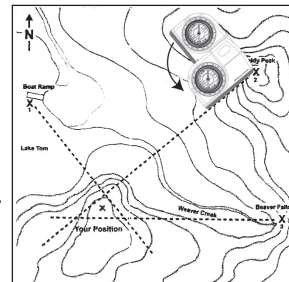


Fig. 5

Brunton Limited Warranty:

Brunton warrants your manufactured product to remain free of defects during the warranty period. Brunton's products are intended to be used in harsh outdoor environments. As such, the Brunton Limited Warranty does not cover normal wear and tear, damage due to misuse or rough handling or chemical exposure, and alteration. Product not registered will not be covered under the Brunton Limited Warranty.

Warranty Period:

The Brunton Limited Warranty is valid for one year from the date of purchase. Products seeking warranty must be accompanied by proof of original purchase and completion of Product Registration on Brunton.com.

Obtaining access to Brunton Limited Warranty:

Requests for warranty may be made by contacting Warranty Services at 1-800-443-4871 or via info@bruntongroup.com. Should a defect occur in your Brunton branded product which is not due to negligence or by fault or accident, and if the product qualifies for the Brunton Limited Warranty, we shall, at our option, either repair or replace it without charge, and will pay the cost of return shipment to you (you must pay for cost of shipment to Brunton). Refunds are only available for those items purchased directly from Brunton.com within 30 days of purchase.

Limitation of Liability:

BRUNTON SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THERE ARE NO OTHER EXPRESS WARRANTIES BEYOND THE BRUNTON LIMITED WARRANTY UNLESS MANDATORY LAW PROVIDES OTHERWISE. THESE WARRANTY TERMS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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