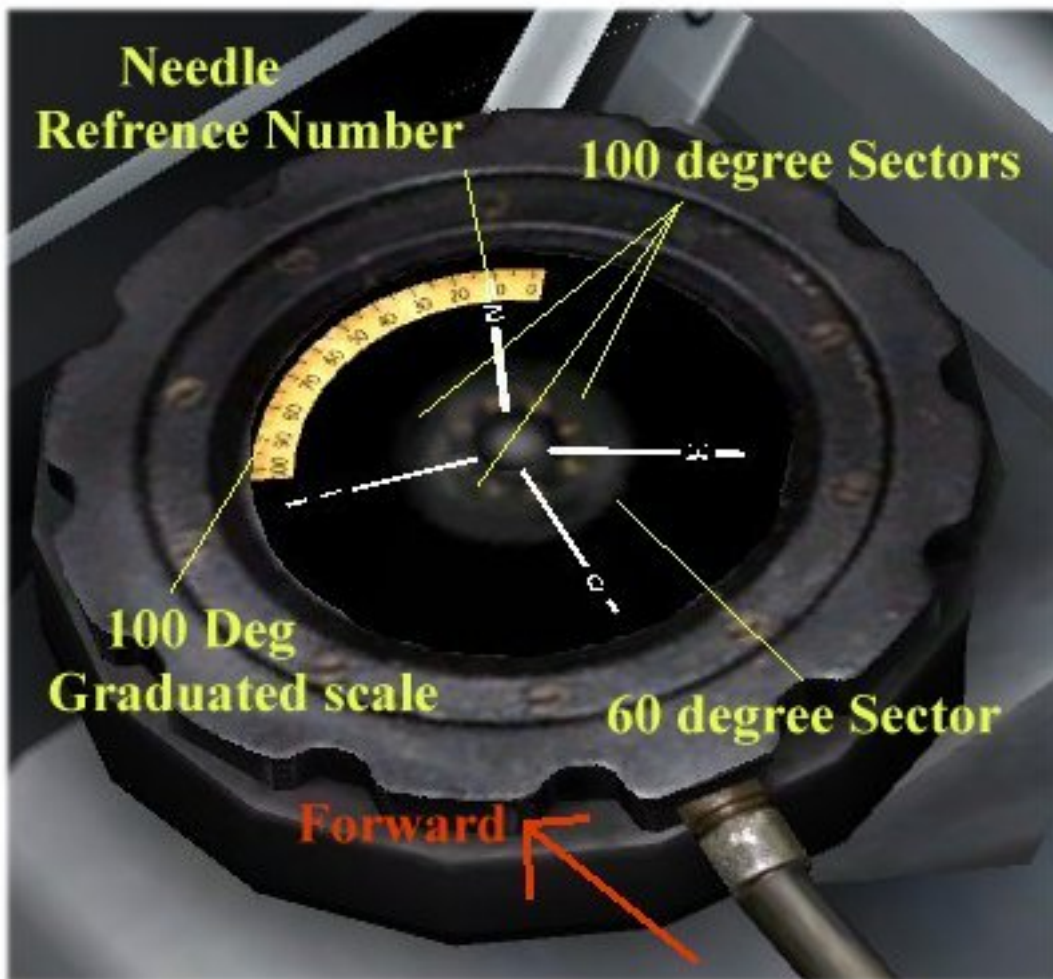


The PE2 Master Compass System

This guide tells you how to read the Master Compass in the PE2. The system used is not unique and was used in Russian, Japanese and some German Installations. The Master Compass sensing unit was located in a remote part of the aircraft like the tail. Heading information was then sent to the Master Compass repeater display unit.

In the PE 2 the repeater unit has a digital scale that is graduated over 100 degrees. The 4 Needles are divided into 3 sectors of 100 degrees and a single sector of 60 degrees, thus making the total 360 degrees. The Four needles rotate around the central pivot. Each Needle has a Prime sector number on it like 1, 2, 3 or 0. The Master needle always points to the graduated scale.



Heading is read by combining the Master Needle number with the number the needle points to on the graduated scale. So in the example above the Master Needle is "2". This needle then points to the value of "12" on the graduated scale. So the heading is therefore "212".

Here are a few more examples.





In this special case (because of the 60 degree sector) the heading can be read of either the “3” needle therefore heading 360, or the O needle therefore heading 000. These two values being interchangeable.