SC30
SATELLITE COMPASS

Software History

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V3.03 Dec 2020

Remedy for GPS date rollover. Rollover moved from 2 Jan 2022 to
. 17 July 2039

v3.02 (January 2016)

Heading stabilization process changed

Rate sensor error threshold is changed to 12.5°/sˆ2 to prevent heading loss.

v3.01

Dead-reckoning process changed

v2.04

Common software with GS-100

v1.13

To cope with new flash memory

v1.12

Remedy for no heading data in Europe and Africa.

When SC30 calculates heading using EGNOS satellites, the SC30 fails to calculate ships heading. This is because EGNOS satellite almanac data is not updated. Version 1.12 software ignores EGNOS satellites.

v1.11

Detection threshold is optimized to avoid loss of output heading data with abrupt heading changes.

v1.10

Fixed: SC30 units with version 1.09 software outputs no "Heading" data when Japanese MSAS and USA WAAS satellites are acquired

WAAS: Wide Area Augmentation System (PRN 135/138)

MSAS: MTSAT Satellite-based Augmentation System (PRN129/137)

v1.09 (USA original release)

Fixed: Intermittent "Heading" data output

Fixed: Heading data deviates gradually during "Dead Reckoning" and jumps back to the correct value when the GPS satellite signals are available

Fixed: In November of "Leap Year", the data is displayed incorrectly. Example, 10 December 2008 is displayed as on 10 November 2008.

v1.08 Not used v1.07 (not released in USA)