

UNIVERSE GPS ROLLOVER FIX BOARD

The Week Rollover Problem is a known issue caused by the way that GPS used to handle the week element of the data that forms an essential part of the navigation signal. GPS used a 10-bit field to encode the week number in each GPS time message, which means that a maximum of 1,024 weeks (19.7 years), could be handled.

This module corrects the date error in GPS and sends the current date data to the device. The module is completely electrically isolated from the power and data lines from the GPS and AIS device.

Currently Supported Devices:

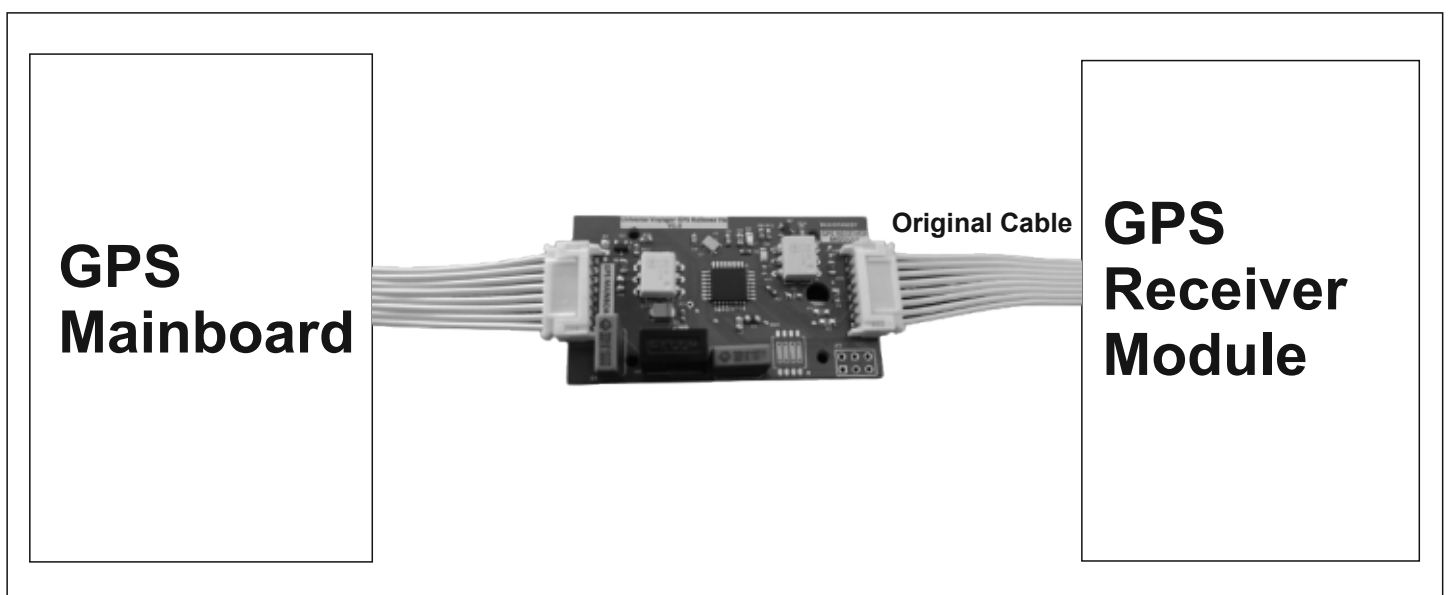
- ☐ GP-150
- ☐ GP-90
- ☐ GP-80
- ☐ FA-100



GPS Date Rollover Board

Applicable to other GPS devices. For use in other applications, please contact us.

Block Diagram:



Installation Guide

Below are installation instructions for the Furuno GP-90 GPS device. It can be installed similarly on other devices.

First, turn off the GPS device.

Disconnect the cables connected to the back of the device by marking them.

Unscrew the plastic screws on the back of the device.

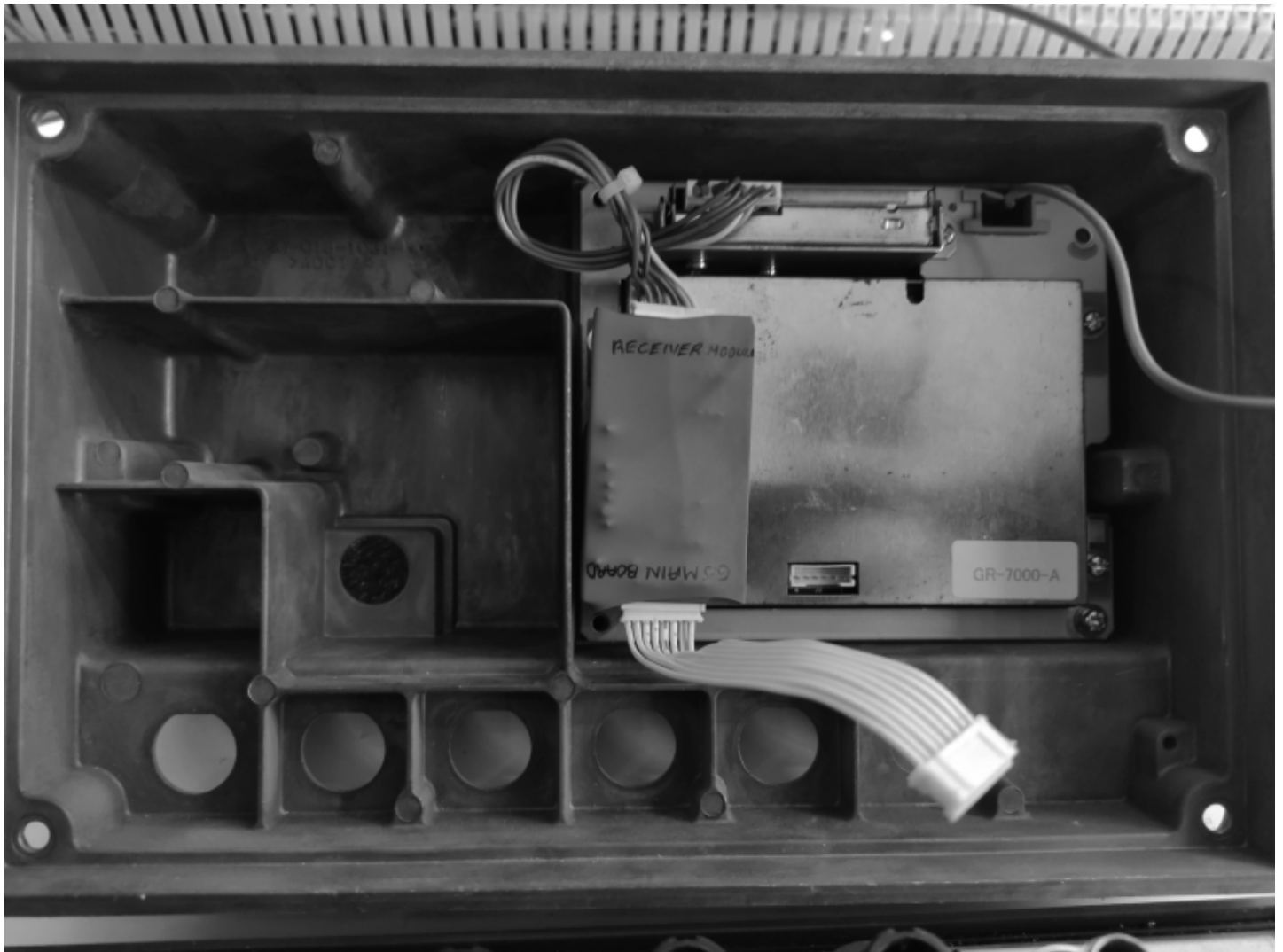
Then remove the four screws at the corners.

Carefully open the back cover of the GPS device.

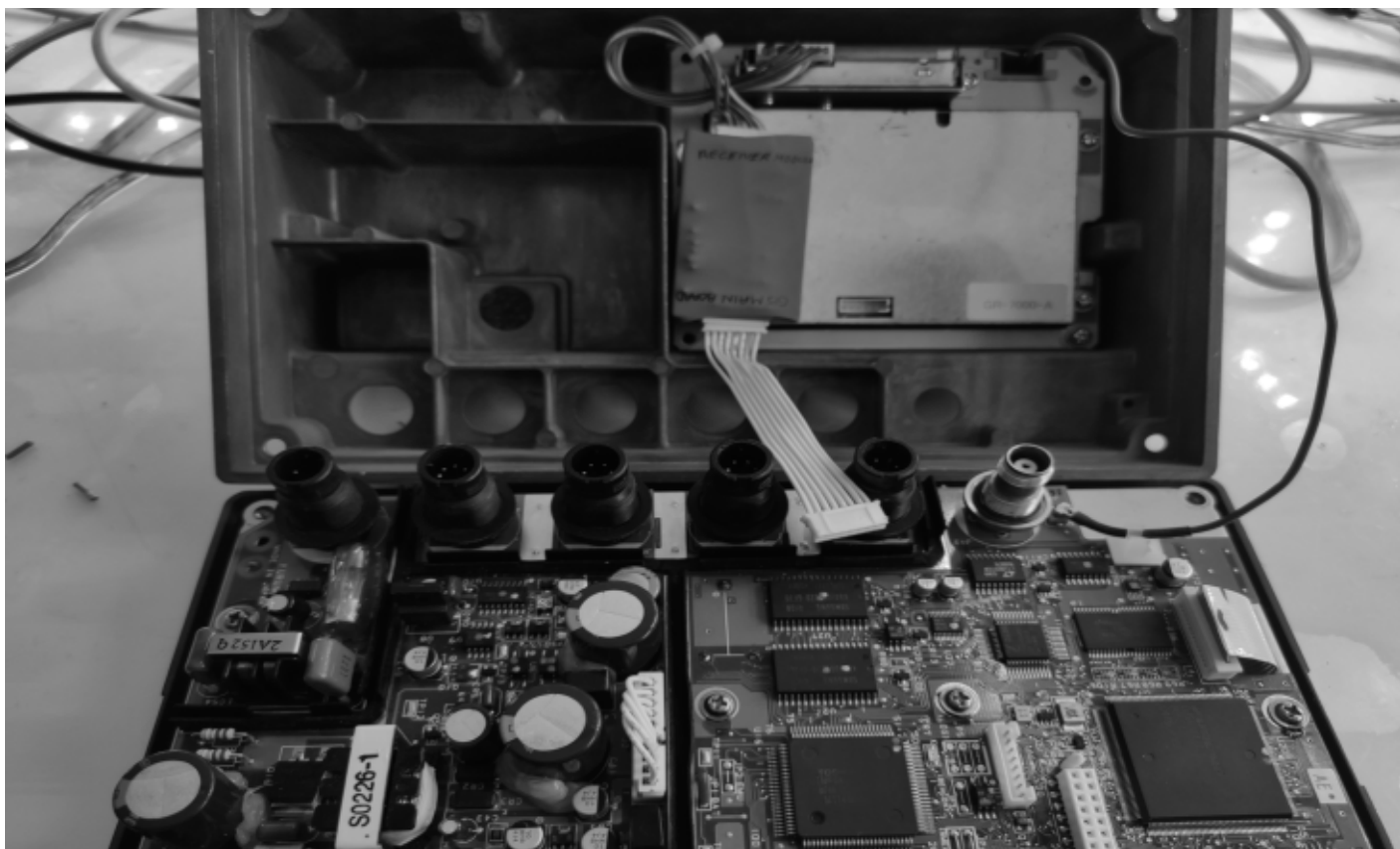
Install the Rollover kit as shown in the picture below.

Attach the kit to the inside of the device with the double-sided tape on the kit.

It is written on the kit that which cable will be inserted where.



The original cable is attached to the GPS Receiver side. The cable that comes with the kit is attached to the GPS mainboard side.



Make sure the connectors are fully inserted into their sockets.

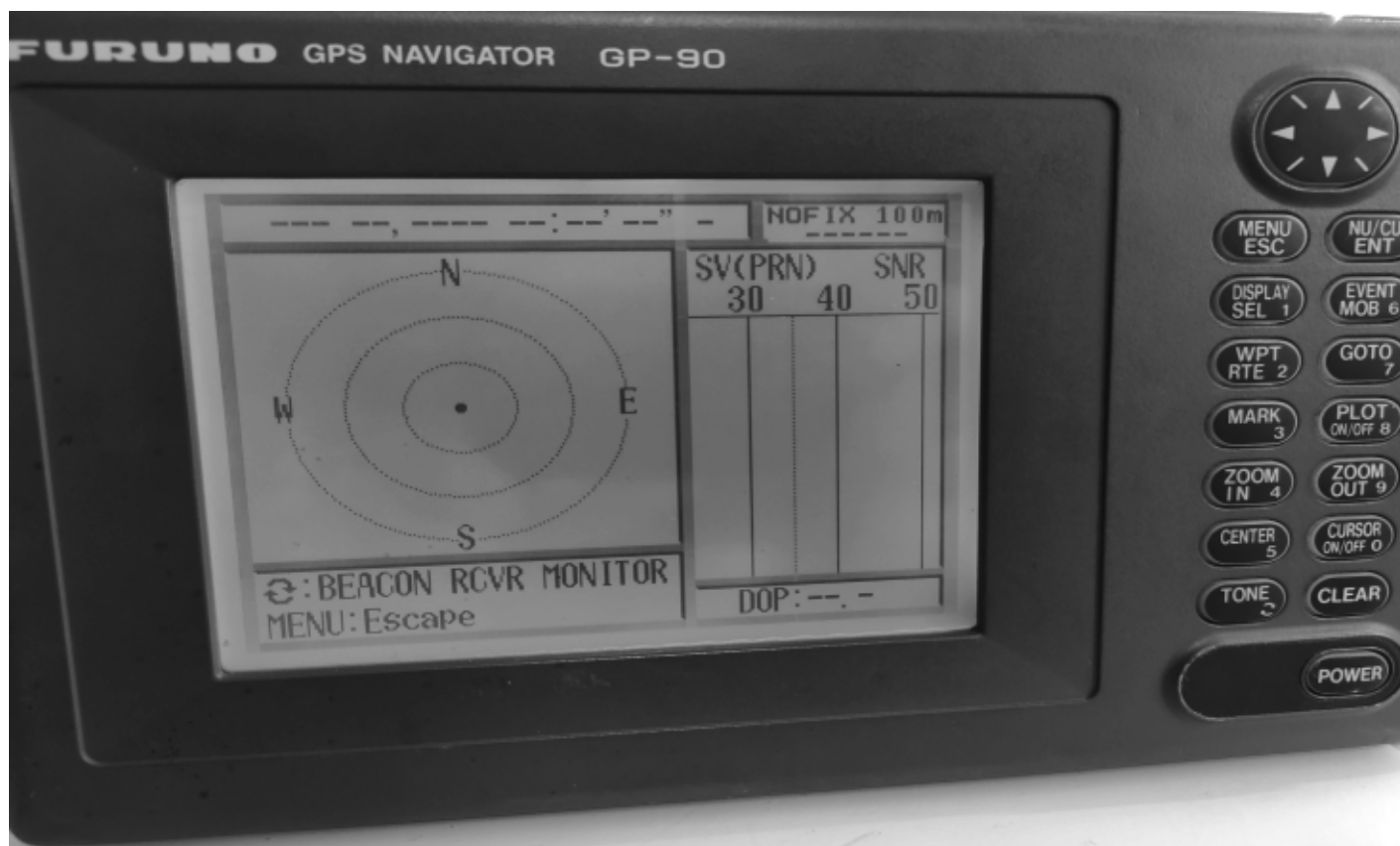
The cable to be attached to the mainboard must be connected when the GPS back cover is half closed.

Close the back cover of the device.

Install the plastic screws on the ports and the case screws on the corners.



Connect the power, antenna and data cables.
Turn on the device.
Wait for the device to find the GPS position.



Check the date information when the device fixes the position.

