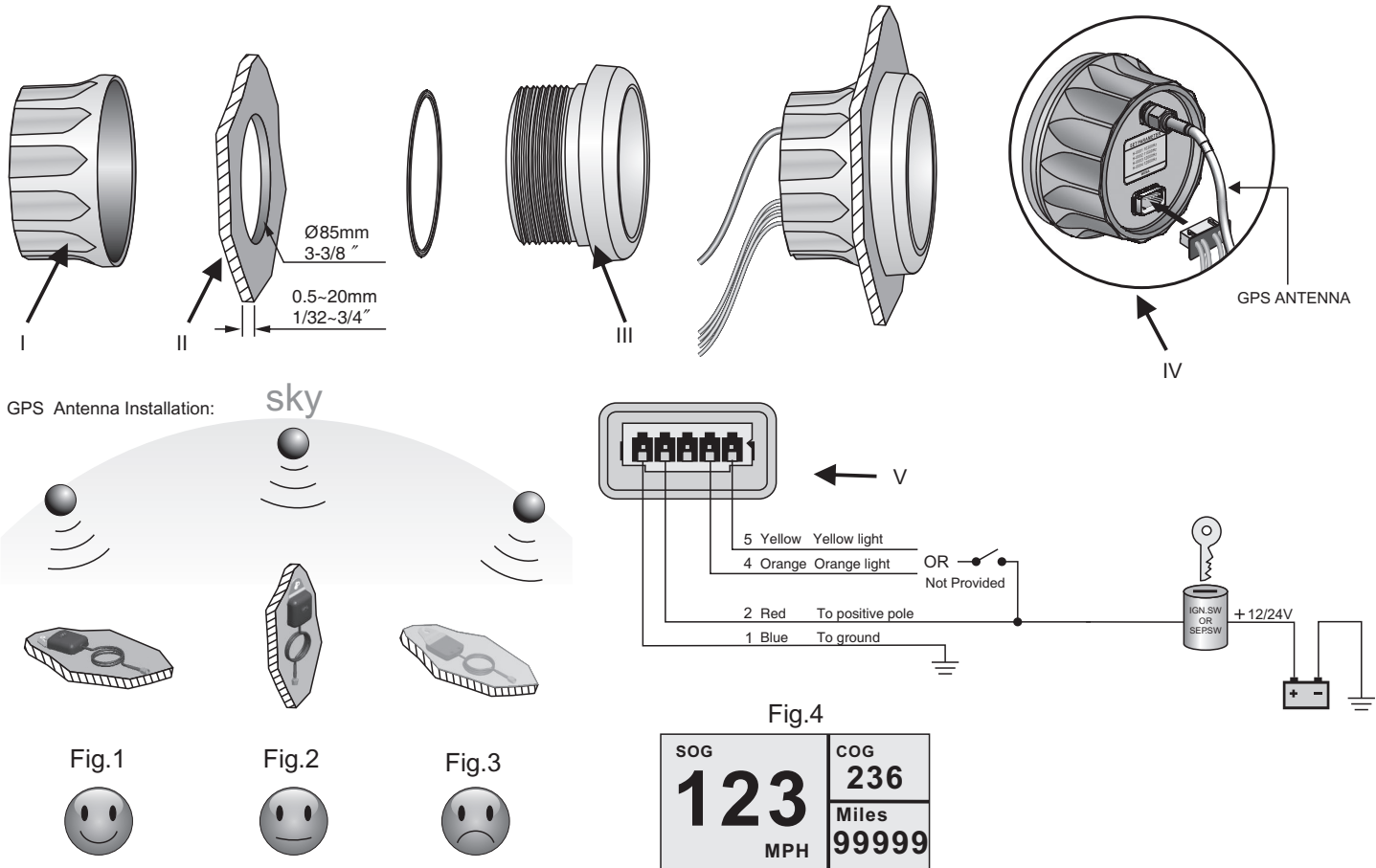


# INSTALLATION INSTRUCTIONS



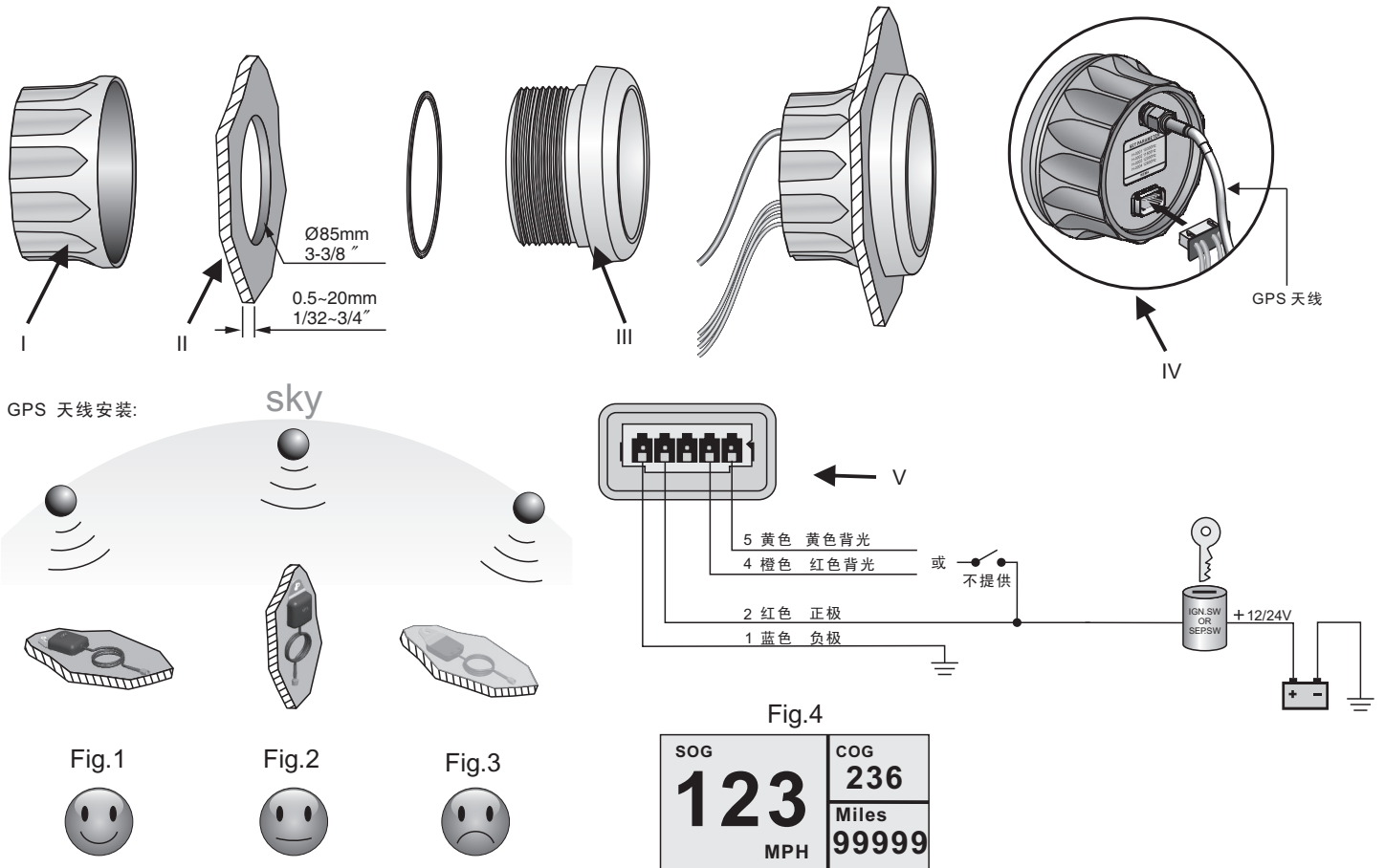
## INSTALLATION STEPS

1. Cut an 85mm (3 3/8") hole in the panel (II) allow a clearance of 55mm (2 3/16"). behind the panel.
2. Remove fastening ring (I), insert gauge from front. Tighten gauge (III) using fastening ring ( I)
3. Insert the wire harness (IV) firmly in the gauge (III)
4. Connect cables according to the diagram. Choose either red or yellow background light.
5. Securely fasten the GPS antenna (V), preferably outdoors (or inside front windscreen) so that it has a clear view of the sky to pick up satellite signals. Connect the antenna cable to socket on the gauge. Do not cut cable.
6. After turning power on, allow the gauge to sample satellite signal for 1 minute. The gauge will show speed in knots (SOG) and Compass (COG) only when the boat is moving. While boat is lying still all data is frozen, so the compass cannot be used as a reference until the boat is moving, when the signal is recovered.
7. All data is for reference only and should not be trusted as sole navigation source.
8. Setting of gauge and unit adjustment:
  - a. The gauge displays GPS LOADING..... when it is sampling the signal, it enters the normal display mode in about 1 minute(FIG.4);
  - b. After entering the normal display mode, press the button so thatthe speed unit switches from Knots to Km/h and to MPH, unit of the mileage of a single time changes accordingly. The final choice will be saved automatically.
  - c. The gauge has the function of accumulating the mileage of a single time, all data will reset when power on or unit ] switches.
  - d. Ensure the GPS antenna has a clear view of the sky to pick up satellite signals, preferably like FIG.1, which is the best way of fastening the GPS antenna. FIG.2 is not recommended, FIG.3 mustn't be used because it almost can not collect the GPS signal.

### Automatic diagnose:

- a. When GPS LOADING is displayed on the screen while the gauge is properly functioning, it indicates a temporary lost of signal or weak signal. Please check if any coverage of GPS signal and the correct connection of the GPS antenna.
- b. When GPS ERROR is displayed on the screen, it indicates a short circuit of GPS antenna or function failure of the GPS module.

# INSTALLATION INSTRUCTIONS



## 安 装 步 骤

- 1、在仪表板(II)上开一个直径为 $\Phi 85\text{mm}$ (3 3/8")的孔,并确保仪表板后面至少要有55mm(2 3/16")的空间来放置仪表。
- 2、去掉固定圈(I),从前面放入仪表,调整好位置后用固定圈(I)锁紧仪表(III)。
- 3、将线束和GPS天线连接到仪表上(IV)。
- 4、根据接线图将电线连接好,并请选择红色或黄色背光。
- 5、将GPS天线安装到户外,并确保固定好的GPS天线接受信号一面面对着天空,如图Fig.1。如果GPS天线安装如图Fig.2, GPS信号的接收将会受到影响。如果GPS天线安装如图Fig.3,则GPS信号将受到非常大的影响,信号较弱时可能完全接收不到信号。
- 6、通电之后,仪表需要1分钟左右的时间去接受卫星信号。信号强的时候一般40秒以内即可完成定位(初次定位可能需要1~2分钟的时间)。当船移动时,仪表将在COG上显示以顺时针方向的偏北角角度,在SOG上显示相对地的即时速度。在船停靠期间,所有的数据将不会变化,所以显示数值不能作为参考使用,要直到船开始移动,仪表上显示的数据才准确。
- 7、所有的数据仅仅作为参考,不应作为唯一的导航指示数据。
- 8、仪表调试和单位调整:
  - a. 仪表定位中显示GPS LOADING.....,在1分钟以内,仪表定位后进入正常显示模式(fig.4)。
  - b. 在仪表定位成功进入显示界面后,短按按钮,速度单位:Knots、Km/h、MPH之间轮流切换,与之对应单次累计里程单位也会随之切换。最终选择的结果仪表会自动保存。
  - c. 仪表具有单次里程累计功能,每次上电或者切换单位时单次里程数据自动清零。
  - d. GPS天线安装时请保持信号接收面面对天空,天线安装如图FIG.1信号最好,不建议使用FIG.2安装方式。严禁使用FIG.3的安装方式,这种方式基本上接收不到GPS信号。

### 仪表自动诊断:

- a. 当仪表正常工作时,屏幕显示GPS LOADING表示GPS信号暂时丢失或者信号很弱,请确认GPS信号是否被覆盖或GPS天线连接是否正常。
- b. 如果屏幕显示 GPS ERROR 表示:GPS天线短路或GPS模块功能故障。