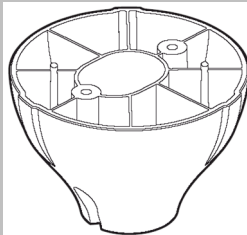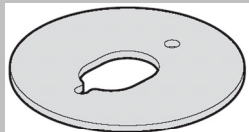# E32119 – New Raystar 125 Plus

Part No: R38103
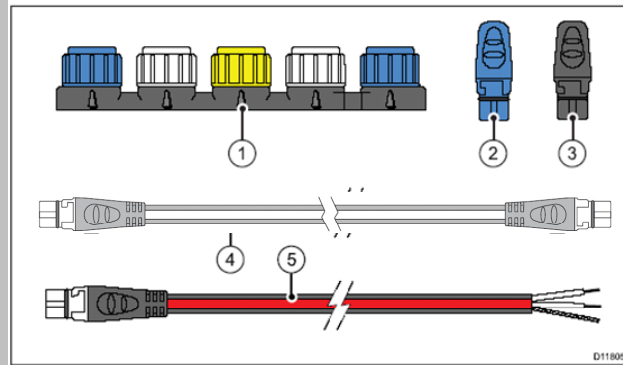Raystar RS125 GPS Receiver
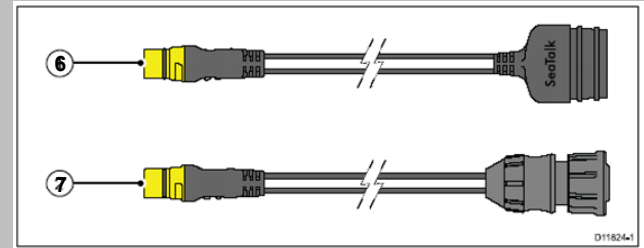
Part No: E35018
Pole mount kit

Flush mount gasket

Thumb nuts (x2)

Studs (x2)   Screws (x2)

3- way Scotchlok™ connectors (x5)
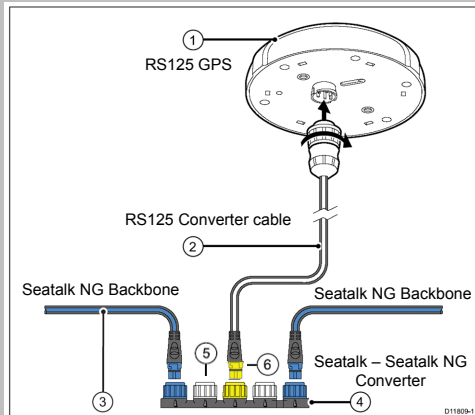
- Parts Supplied -
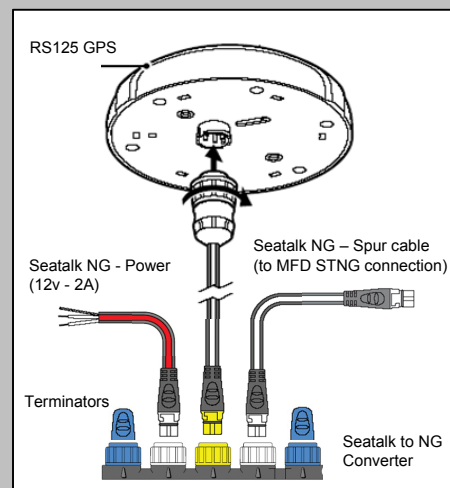
(1) – Seatalk to Seatalk NG Converter
(2) – Seatalk NG Terminator (2)
(3) – Seatalk NG Blanking Plug (2)
(4) – Seatalk NG Spur cable
(5) – Seatalk NG Power cable
(6) – Seatalk to Seatalk NG Converter cable
(7) – Raystar125 Seatalk NG Converter cable (10m)

1 - Connecting to Seatalk NG

RS125 GPS

RS125 Converter cable

Seatalk NG Backbone
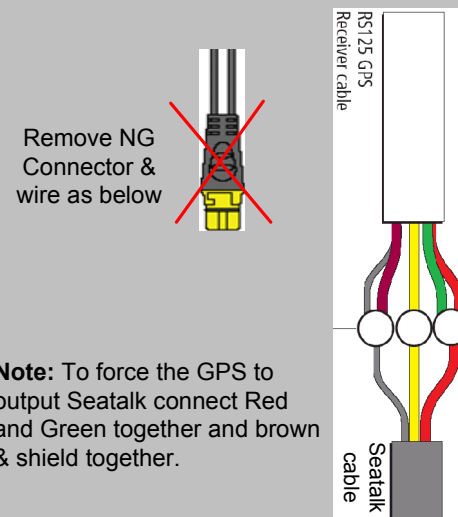
Seatalk NG Backbone

Seatalk – Seatalk NG Converter

The RS125+ GPS is now supplied with a 10m cable with Seatalk NG connector & Converter. To connect into an NG system simply connect cable (2) directly to the Converters (4) Yellow Seatalk port (6) which bridges GPS Seatalk data to Seatalk NG. The Converter connects inline as part of the Seatalk NG Backbone (3).
The two NG Spurs (5) can be used to connect to any further Seatalk NG devices.
Note: No other Seatalk devices must be connected to the Seatalk port (6).

2 - Connecting to MFD on NG

RS125 GPS

Seatalk NG - Power (12v - 2A)

Seatalk NG – Spur cable (to MFD STNG connection)

Terminators

Seatalk to NG Converter

To connect a RS125 GPS to an MFD in a standalone or Seatalk system the converter & cables supplied can be used to connect directly to the Seatalk NG connection on the MFD.
Wire as above using the NG Spur cable to connect from the converter to the MFD & the NG Power cable to feed 12 volts via a 2A fuse.
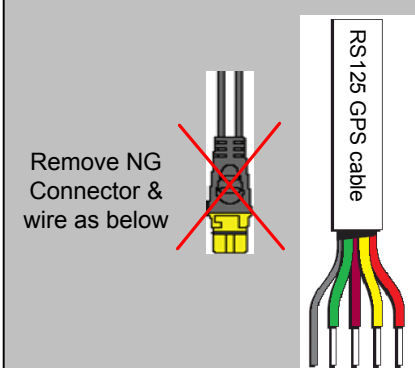Alternatively connect GPS to Seatalk as – 3

3 - Connecting to a Seatalk bus

RS125 GPS Receiver cable

Remove NG Connector & wire as below

Seatalk cable

Note: To force the GPS to output Seatalk connect Red and Green together and brown & shield together.

Seatalk Connections

Red (12 V /+)	
Yellow (SeaTalk input/output / +)	
Brown (RTCM in / +)	
Green (connect with Red 12V wire/ +)	
Shield (0 V/ground / -)	

4 - Connecting to NMEA

RS125 GPS cable

Remove NG Connector & wire as below

RS125 GPS NMEA Connections

Red (12 - 32 V /+)	
Yellow (NMEA out /+)	
Brown (RTCM in /+)	
Green (NMEA in /+)	
Shield (0V/ ground / -)	

Note: If the Brown (RTCM) and Green (NMEA in/+) wires are not used tie both to the shield / 0V wire

Raymarine