**1 Introduction**

This publication details the emitter and receiver modules end cap replacement procedure for 4690 series turbidity sensors. The procedure must be carried out by a trained technician.

The contents of the emitter and receiver modules end cap kit is shown in Table 1.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>End cap assembly</td>
<td>7998 130</td>
<td>2</td>
</tr>
<tr>
<td>This publication – Emitter and receiver modules end cap replacement</td>
<td>INF11/067-EN</td>
<td>1</td>
</tr>
</tbody>
</table>

Table 1 Replacement end cap kit 7998 021

**2 For more information**

Further information is available from: [www.abb.com/analytical](http://www.abb.com/analytical)

or by scanning these codes:

[QR Code for Sales](#)

[QR Code for Service](#)
3 Replacing the end caps

1. Referring to Fig. 3.1:
   a. Unscrew and remove emitter and receiver module end cap assemblies ① and discard.
   b. Ensure emitter and receiver module end cap O-rings ② are undamaged and located correctly in the module groove.
   c. Check expiry date of replacement parts. Remove from packaging and fit replacement emitter and receiver module end caps. Tighten hand tight only.

**Caution.** Fit replacement parts immediately after opening packaging. **Do not** open and leave the parts exposed to the atmosphere.

![Fig. 3.1 End cap replacement](image-url)