TECHNICAL INFORMATION #940

To: ICOM Distributors
From: ICOM Inc. / CS Department
Date: February 28, 2003

Service handling necessary:
[X] Yes  [ ] No

Re: Improvement modification of the IC-2720H/2725E

The following information is provided to improvement modification for the IC-2720H/2725E.

Model: IC-2720H/2725E (All versions)

Symptom:
Around the VHF antenna filter parts on the main board will be damaged when transceiver is using in high temperature environment.

Cause:
The antenna switch diodes have over hearted. It is caused by resistance of the forward direction of the antenna switch diodes are out of specification.

Solution:
Please make the modification according to the following instructions.
By replacing R102, a supplied bias current to antenna switching diodes is increased and this reduces the forward direction resistance of these diodes to prevent self overheat.
Required Parts:

<table>
<thead>
<tr>
<th>Board</th>
<th>Parts Number</th>
<th>Parts Number (Old)</th>
<th>Parts Number (New)</th>
<th>Action Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAIN</td>
<td>R102</td>
<td>7030006070</td>
<td>7030008350</td>
<td>Replaced</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ERJ12</td>
<td>39 ERJ12</td>
<td></td>
</tr>
<tr>
<td>MAIN</td>
<td>MP20</td>
<td>None</td>
<td>8930052930</td>
<td>Add 2 pcs of thermally sheets</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>THERMALLY SHEET(P)</td>
<td></td>
</tr>
</tbody>
</table>

Procedure of modification:

(1) Attachment of thermalsheets.

Two thermalsheets are stuck mutually.

Put thermalsheets to the CHASSIS as shown below.
(2) Replace R102 as shown below.

Note:
- No need to make any alignments for modified transceivers.
- This modification has not been implemented in ongoing products at the moment and the serial number of improved units will be announced later.