

Installation Note

**Agilent Technologies 8712ET and 8714ET
Installation Instructions for the Receiver Assembly:
08714-60177 (new) and 08714-69177 (rebuilt-exchange)**



Agilent Technologies

Agilent Part Number 08714-90058

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|------------------------------------|--|
| Product Affected: | 8712ET and 8714ET RF Network Analyzers |
| Serial Numbers: | All |
| To Be Performed By: | (X) Agilent Technologies Service Center (X) Personnel Qualified by Agilent Technologies (X) Customer |
| Estimated Installation Time: | 1 hour |

Description

This document details a special procedure for installing the receiver assembly (08714-60177 or 08714-69177) in the 8712ET and 8714ET RF network analyzers. This special procedure supplements the A5 receiver assembly information found in Chapter 3 of the service guide.

NOTE The service guide mentioned in this document can be accessed on the internet at the following URL:

<http://www.agilent.com>

At this top-level Web site, use the search function to enter the part number of the service guide (**08714-90017**). The resulting links will navigate you to a Web page with downloading instructions for viewing the service guide.

Parts List

| Item | Quantity | Description | Part Number |
|------|----------|--|--------------------------------|
| 1 | 1 | A5 Receiver Assembly (new) — <i>or</i> — A5 Receiver Assembly (rebuilt-exchange) | 08714-60177 08714-69177 |

Tools Required

Refer to “Introduction” in Chapter 3 of the service guide.

Procedure

1. Remove the original A5 receiver assembly as per “A5 Receiver Assembly Component Replacement” in Chapter 3 of the service guide.
2. Look on the bottom of the original A5 receiver assembly and find the bar-code label. The first ten digits on the label are the assembly part number and should be either 08714-63007 or 08714-63177.
 - If the part number of the original assembly is 08714-63177, install the new assembly as per Chapter 3 in the service guide. Ignore the remainder of this document.

- If the part number of the original assembly is 08714-63007, continue with the following steps.
3. Install the new assembly (08714-60177 or 08714-69177) as per the instructions in Chapter 3 in the service guide.
 4. Power on the analyzer. View the firmware revision by pressing **SYSTEM OPTIONS** **Service Instrument Info**.
 - If the revision level is E.06.01 or higher, go to Step 6.
 - If the revision level is E.06.00 or lower, continue with Step 5.

IMPORTANT If you will be upgrading from firmware revision level E.05.xx, store the correction constants to a floppy disk before performing the firmware upgrade in Step 5. Instructions for storing the correction constants can be found on the Agilent Web site (see the URL below) and in “Storing Correction Constants to Disk” in Chapter 8 of the service guide.

5. Upgrade to the current firmware (E.06.01 or higher). To obtain a copy of the current firmware:
 - Order the firmware floppy-disks and installation instructions (part number 08714-60045), or
 - Download the firmware, free of charge, from the following URL:

<http://www.agilent.com>

At this top-level Web site, use the search function to enter part number **08714-60045**. The resulting links will navigate you to a Web page with instructions for downloading the most recent firmware revision.

NOTE If it is not possible or practical to upgrade the current firmware to revision E.06.01 or higher, you must use the 08714-60007 or 08714-89007 A5 assembly. Do *not* use the 08714-60177 or 08714-69177 A5 assembly.

6. Perform the A5 receiver assembly adjustments as per “Post Repair Procedures” in Chapter 3 of the service guide.