

Installation Note

**8719D/8720D/8722D Network Analyzer and
8753E Option 011 Network Analyzer
Instructions for Replacing the 3.5" Disk Drive
Service Kit 08720-60190**



Agilent Technologies

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Installation Instructions for Replacing the 3.5” Disk Drive

Products Affected:	8719D/8720D/8722D Network Analyzer 8753E/Option 011 Network Analyzer
Serial Numbers:	All
Options:	All
Compatibilities:	Not applicable
To Be Performed By:	Service Center, Personnel Qualified by Agilent, or Customer
Estimated Installation Time:	1 hour
Estimated Verification Time:	10 minutes

Introduction

This note describes how to replace the 3.5” disk drive in the 8719D/20D/22D analyzers, and in the 8753E Option 011 analyzers. Use the procedure corresponding to your analyzer.

Installation Kit Parts List

Table 1 **Parts Kit 08720-60190 Contents**

Item	Quantity	Description	Part Number
1	1	3.5” disk drive	0950-2782
2	1	plug	08753-40016
3	1	bracket, disk drive	08753-00152
4	4	screw, #2 hex	0515-1048
5	1	Installation Note	08720-90363

Tools Required

- ☐ #8 TORX driver
- ☐ #10 TORX driver
- ☐ #15 TORX driver
- ☐ #20 TORX driver
- ☐ #2 ball-end hex driver with long shaft
- ☐ ESD (electrostatic discharge) grounding wrist strap

Required Diskette

- ☐ 3.5” diskette, 1.44 MB, formatted (DOS)

WARNING

Before you disassemble the analyzer, turn the power switch to OFF, and unplug the line cord from the analyzer and the power source. Failure to disconnect the analyzer from the ac main supply can result in personal injury.

CAUTION

Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation. Refer to the documentation that applies to your instrument for information about static-safe workstations and for information how to order static-safe accessories.

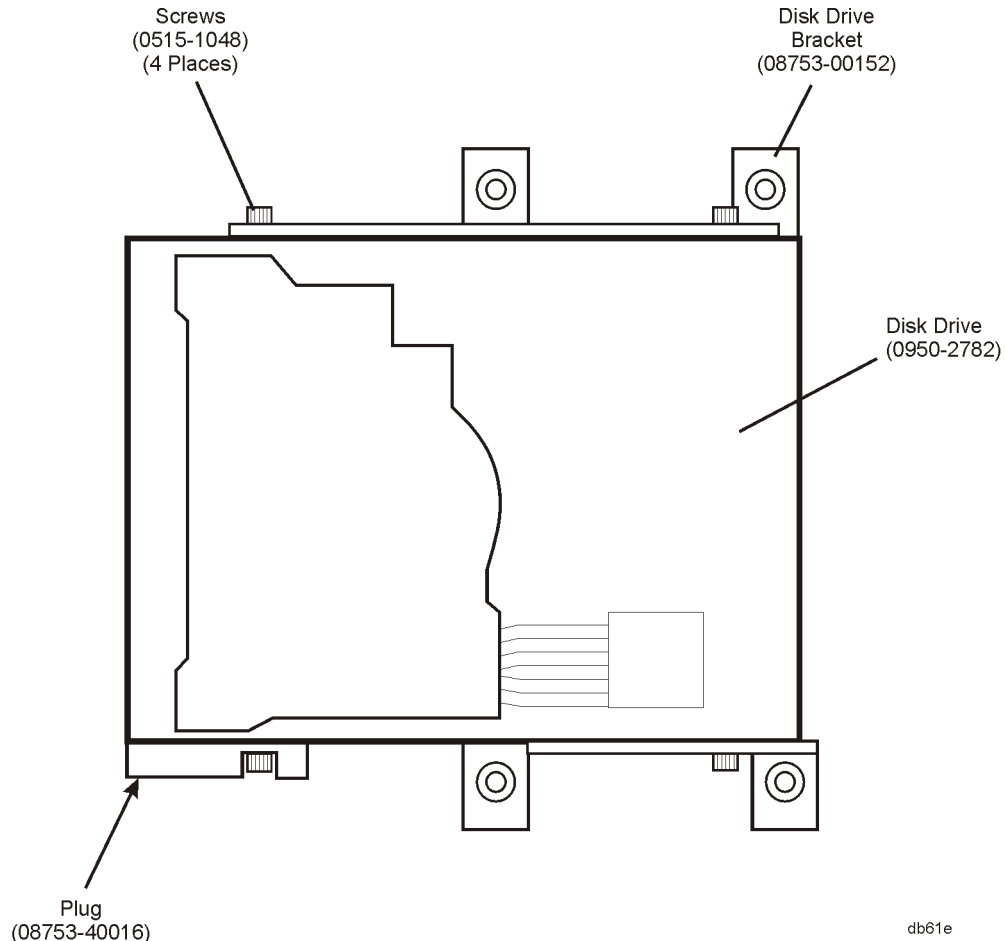
Procedure for the 8719D/8720D/8722D Analyzer

Prepare the new disk drive for installation in the analyzer.

Attach the plug (p/n 08753-40016) to the new disk drive with a #2 hex screw (p/n 0515-1048). See [Figure 1](#).

NOTE Do not assemble the disk drive and bracket at this time.

Figure 1 Disk Drive and Bracket



Remove the existing disk drive from the analyzer.

1. Remove the top, bottom, and left side-covers. If needed, refer to “Covers” in Chapter 14 of the appropriate *Service Guide* for help in performing this task.
2. Remove the front panel. If needed, refer to “Front Panel Assembly” in Chapter 14 of the appropriate *Service Guide* for help in performing this task.
3. Turn the analyzer over, so that the bottom faces up.
4. Disconnect the ribbon cable that connects to the disk drive.
5. Remove the four screws that secure the disk drive to the disk-drive bracket. There are two screws on the top, and two screws on the bottom.

6. Slide the disk drive out of the analyzer, and set the disk drive aside.
7. Remove the four screws that secure the disk-drive bracket to the side of the analyzer, and remove the bracket.

NOTE Save the screws removed in this step for use later when installing the new disk-drive bracket.

Install the replacement disk drive.

1. Attach the new disk-drive bracket to the side of the analyzer using the four screws saved in step 7, above.

NOTE Leave the three screws slightly loose. The position of the disk drive may need to be changed later in this procedure.

2. Connect the existing ribbon cable to the replacement disk drive.

NOTE Make sure that the disk drive connector-contacts touch the ribbon cable contact areas (the ribbon cable contact areas must face the contacts in the disk drive connector). Also assure that the connector is properly locked.

3. Install the front panel.
4. Align the disk drive with the front panel, and tighten the three #2 socket-head screws that fasten the disk drive to the bracket.
5. Center the disk drive in the opening, and tighten the screws that fasten the disk drive bracket to the side of the analyzer.

Test the disk-eject function, and adjust if required.

1. Insert a diskette into the drive.
2. Eject the diskette from the drive.
3. If the diskette does not eject properly, loosen and re-tighten the four screws that hold the disk drive to the disk-drive bracket:
 - a. Loosen the three screws that are readily accessible.
 - b. Loosen the upper-most front screw through the access hole in the top left area of the front frame.
 - c. Center the disk drive in the opening.
 - d. Re-tighten all four screws.

Finish reassembly of the front panel and reinstall the covers.

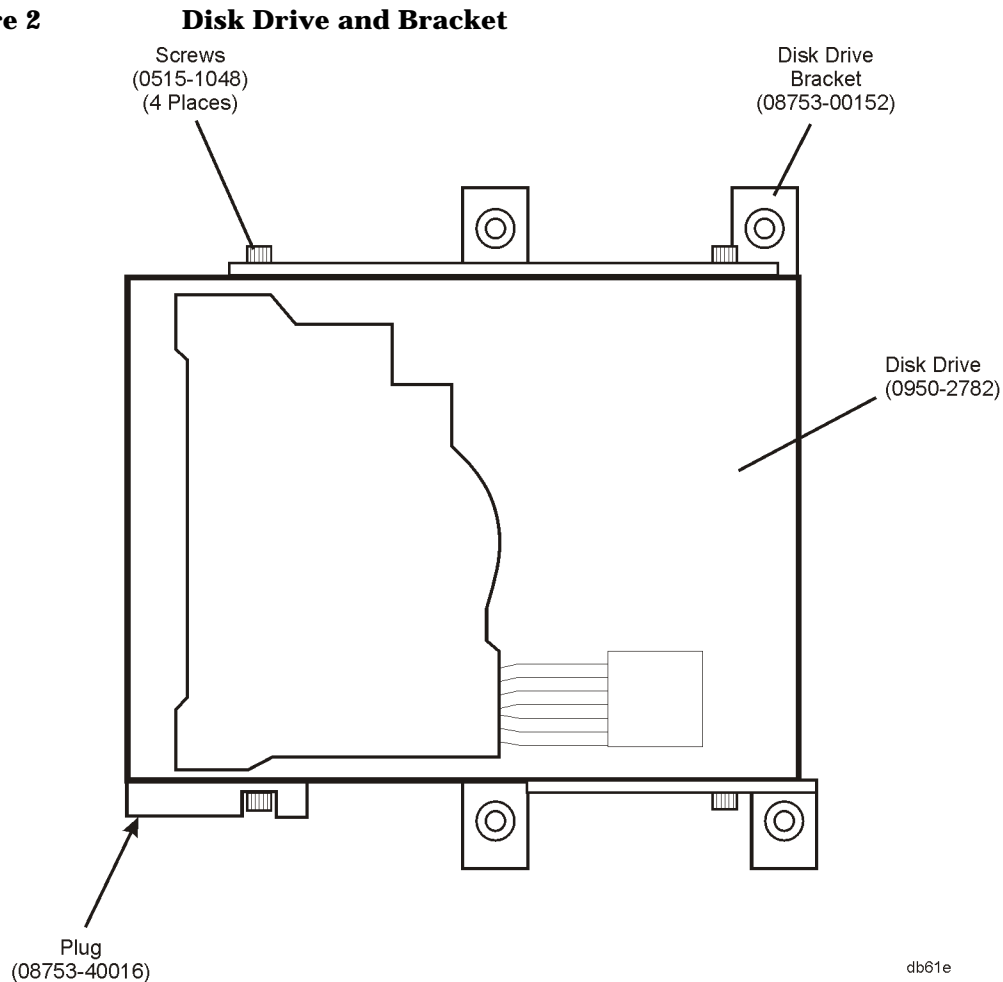
1. Reinstall the remaining top and bottom front panel screws.
2. Reinstall the covers. If needed, refer to "Front Panel Assembly" in Chapter 14 of the appropriate *Service Guide* for help in performing this task.

Procedure for the 8753E Option 011 Analyzer

Prepare the new disk drive for installation in the analyzer.

1. Attach the plug (p/n 08753-40016) to the new disk drive with a #2 hex screw (p/n 0515-1048). See [Figure 2](#).
2. Attach the disk-drive bracket (p/n 08753-00152) to the disk drive with the three remaining #2 hex screws. Leave these screws loose. They will be tightened later.

Figure 2



Remove the existing disk drive from the analyzer.

1. Remove the top, bottom, and left side-covers. If needed, refer to "Covers" in Chapter 14 of the appropriate *Service Guide* for help in performing this task.
2. Turn the analyzer over, so that the bottom faces up.
3. Disconnect the ribbon cable that connects to the disk drive from its connector on the CPU board.
4. Remove the four screws that secure the disk-drive bracket to the side of the analyzer, and remove the complete disk drive assembly.

NOTE Save the screws removed in this step for use later when installing the new disk-drive bracket.

5. Disconnect the ribbon cable from its connection on the disk drive..

Install the replacement disk drive.

1. Connect the existing ribbon cable to the replacement disk drive.

NOTE Make sure that the disk drive connector-contacts touch the ribbon cable contact areas (the ribbon cable contact areas must face the contacts in the disk drive connector). Also assure that the connector is properly locked.

2. Slide the disk drive and bracket assembly into the analyzer.
3. Route the ribbon cable through the side access hole. Avoid twisting the cable—duplicate the original folds made to the cable.
4. Fasten the disk-drive bracket to the side of the analyzer frame, using the four screws saved in step 4 (immediately above).
5. Remove the trim strip from the top of the front panel.
6. Remove the screw from the top left corner of the front panel. This will allow access to one of the #2 hex screws of the disk-drive assembly.
7. Align the disk drive with the front panel, and tighten the three screws that fasten the disk drive to the disk drive bracket. Do not over-tighten.
8. Reconnect the ribbon cable to the CPU board.

NOTE Make sure that the CPU connector-contacts touch the ribbon cable contact areas (the ribbon cable contact areas must face the contacts in the CPU connector). Also assure that the connector is properly locked.

Test the disk-eject function, and adjust if required.

1. Insert a diskette into the drive.
2. Eject the diskette from the drive.
3. If the diskette does not eject properly, loosen and re-tighten the three screws that hold the disk drive to the disk-drive bracket:
 - a. Loosen the two screws that are readily accessible.
 - b. Loosen the upper-most front screw through the access hole in the top-left area of the front frame.
 - c. Center the disk drive in the opening.
 - d. Retighten all three screws.

Reinstall the covers.

1. Reinstall the remaining top front-panel screw in the left corner.
2. Reinstall the trim strip.
3. Reinstall the covers. If needed, refer to “Covers” in Chapter 14 of the appropriate *Service Guide* for help in performing this task.

For Additional Information

For more information, contact your nearest Agilent Technologies Sales and Service office.

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