



Edition

05/2025

RECYCLER GUIDE

SIMATIC

ET 200SP

Reference product: 6ES7514-2SN03-0AB0

This document covers all the variants in the range

6ES7510-1DK03-0AB0, 6ES7510-1SK03-0AB0, 6ES7512-1DM03-0AB0, 6ES7512-1SM03-0AB0,
6ES7514-2DN03-0AB0, 6ES7514-2SN03-0AB0, 6ES7514-2VN03-0AB0, 6ES7514-2WN03-0AB0.

SIMATIC

ET 200SP

Recycler Guide for SIMATIC ET 200SP CPUs

Product Information

About this guide

1

Safety instructions

2

Recommended tool

3

Disassembly instructions

4

Explanation of substances
and components

5

Received material fractions

6

Disclaimer of liability

7

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

 DANGER
indicates that death or severe personal injury will result if proper precautions are not taken.
 WARNING
indicates that death or severe personal injury may result if proper precautions are not taken.
 CAUTION
indicates that minor personal injury can result if proper precautions are not taken.
NOTICE
indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

 WARNING
Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

All names identified by ® are registered trademarks of Siemens Aktiengesellschaft. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Table of contents

1	About this guide.....	5
2	Safety instructions.....	6
3	Recommended tool.....	7
4	Disassembly instructions.....	8
5	Explanation of substances and components.....	15
6	Received material fractions.....	16
7	Disclaimer of liability.....	17

About this guide

In order to conserve important resources, we work on reducing the materials we use and supporting the recycling economy right from the product design stage. An important way to achieve this goal is the resource recovery of electronic products at the end of their service life.

The Siemens Recycler Guides provide recyclers of electronic products with instructions on how to disassemble products safely in order to maximize resource recycling. The Recycler Guides provide step-by-step disassembly instructions and material composition information to help recyclers direct specific materials to specialized recyclers.

Disassembly may only be carried out by specialists trained in the recycling of electronic devices. The recycler is responsible for independently evaluating and ensuring compliance with all applicable environmental, health and safety regulations. This includes, among other things, the legal requirements in the area of management, handling, shipping and disposal as well as applicable laws to ensure the health and safety of all employees involved.

If you have any questions or feedback regarding this Recycler Guide, please use this email address (<mailto:recycling@siemens.com>):

Safety instructions

The recycler is responsible for independently evaluating all activities of its employees in performing or supporting the work and ensuring compliance with all applicable legal requirements. This includes, but is not limited to, laws regarding the health and safety of all employees performing or assisting in that work. The recycler is also responsible for assessing the workplace and ensuring that the area in which the work is carried out meets all ergonomic requirements to ensure the protection of its employees.

Danger notice (DIN EN ISO 7010)



Warning against hand injuries



Warning against pointed/sharp objects

Wear personal protective equipment throughout the recycling process.



Wear hand protection



Wear a mask



Wear eye protection



Wear foot protection



Wear protective clothing

WARNING

Electric shock due to residual charges in power components

Due to the capacitors, dangerous voltage is still present for up to 15 minutes after the power supply has been switched off. Touching live parts can lead to death or serious injury.

Wait 15 minutes before checking that there is no voltage and starting work.

Recommended tool

For the disassembly of the product, we recommend using the following tool:



Slotted screwdriver



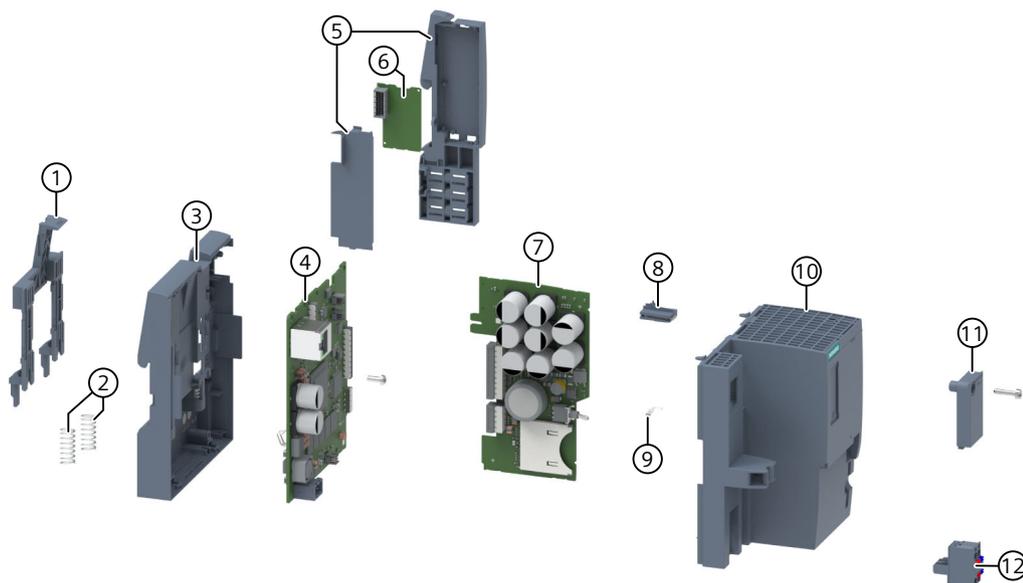
Torx screwdriver T10

4

Disassembly instructions

The following guide provides detailed information on how to disassemble the product at the end of its service life and on what materials you can collect and recycle. In doing so, you support the recycling economy.

Components of the product



Position	Part	Material	Disassembly step
1	Latch	Polycarbonate	Step 10
2	Compression springs	Steel	Step 11
3	Basic enclosure	Polycarbonate	Step 10
4	Assembled PCB	Electronics	Step 9
5	Server module	Polycarbonate	Step 3 + 4
6	Assembled PCB	Electronics	Step 4
7	Assembled PCB	Electronics	Step 8
8	Plastic fiber-optic conductor coated	Polycarbonate	Step 6
9	Plastic fiber-optic conductor	Polycarbonate	Step 7
10	Front cover	Polycarbonate	Step 5
11	Cover for BusAdapter interface	Polycarbonate	Step 1
12	Power supply connector	Electronics	Step 2

Product group

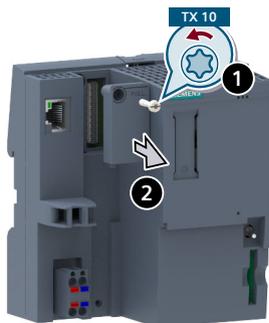
Designation	Order number
CPU 1510SP-1 PN	6ES7510-1DK03-0AB0
CPU 1510SP F-1 PN	6ES7510-1SK03-0AB0
CPU 1512SP-1 PN	6ES7512-1DM03-0AB0
CPU 1512SP F-1 PN	6ES7512-1SM03-0AB0
CPU 1514SP-2 PN	6ES7514-2DN03-0AB0
CPU 1514SP F-2 PN	6ES7514-2SN03-0AB0
CPU 1514SP T-2 PN	6ES7514-2VN03-0AB0
CPU 1514SP TF-2 PN	6ES7514-2WN03-0AB0

Dismantling the product

Follow these steps for disassembly:

1. Disassembly of the BusAdapter interface cover

1. Loosen the screw of the cover with a slotted screwdriver or a Torx screwdriver T10.
2. Remove the cover.



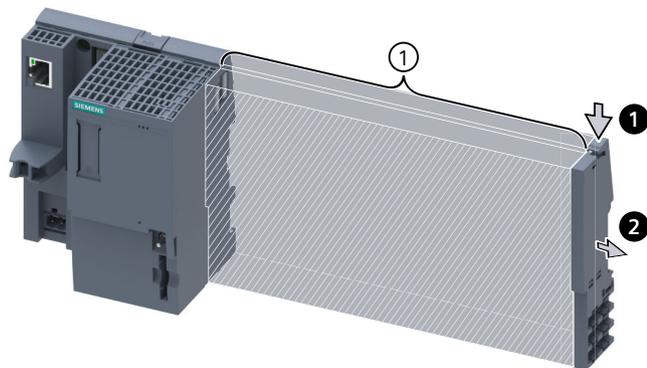
2. Pulling out the power supply connector

Pull the power supply connector from the device.



3. Disassembly of the server module from the basic enclosure/structure

1. Apply pressure to the interlock.
2. Remove the server module from the basic enclosure/structure ①.

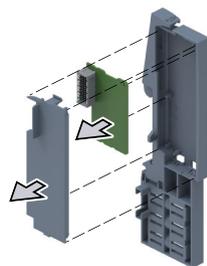


4. Disassembly of the server module

1. Use a slotted screwdriver to press at 3 points on the snap locks.

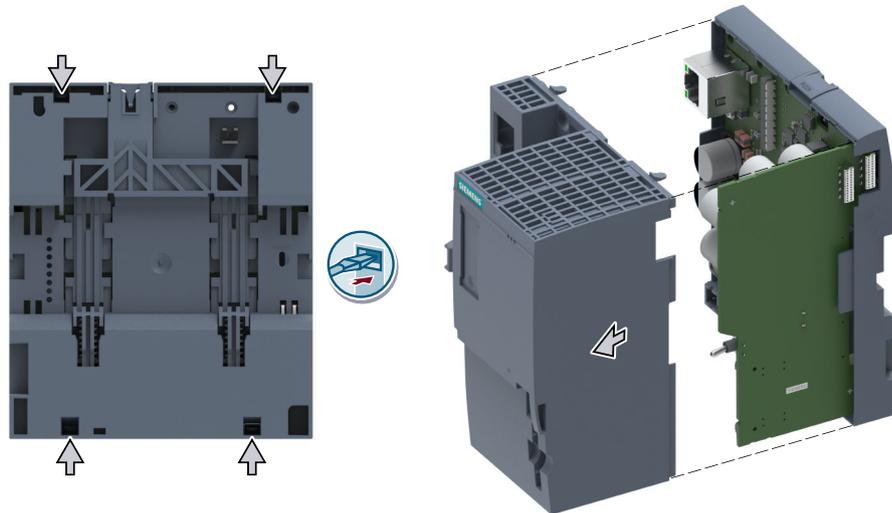


2. Remove the cover and the assembled PCB.



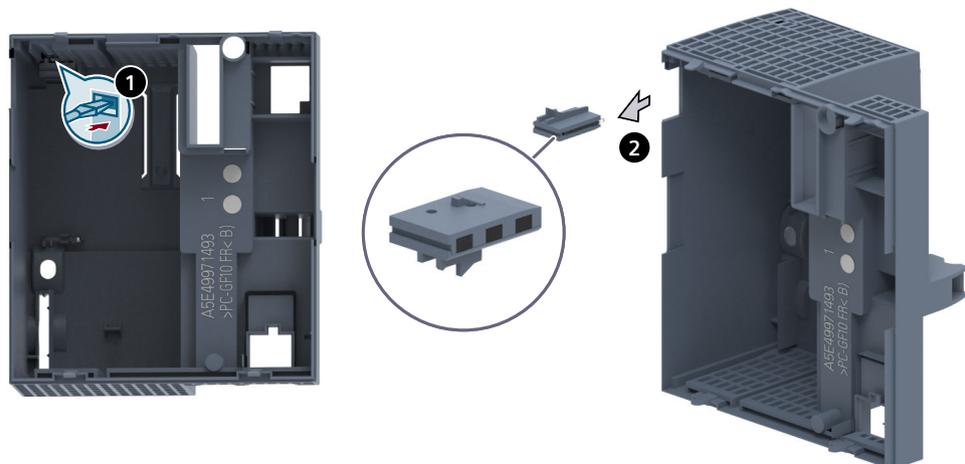
5. Disassembly of the front cover

1. Use a flat-blade screwdriver to press the snap locks at the top and bottom of the enclosure.
2. Separate the front cover from the basic enclosure.



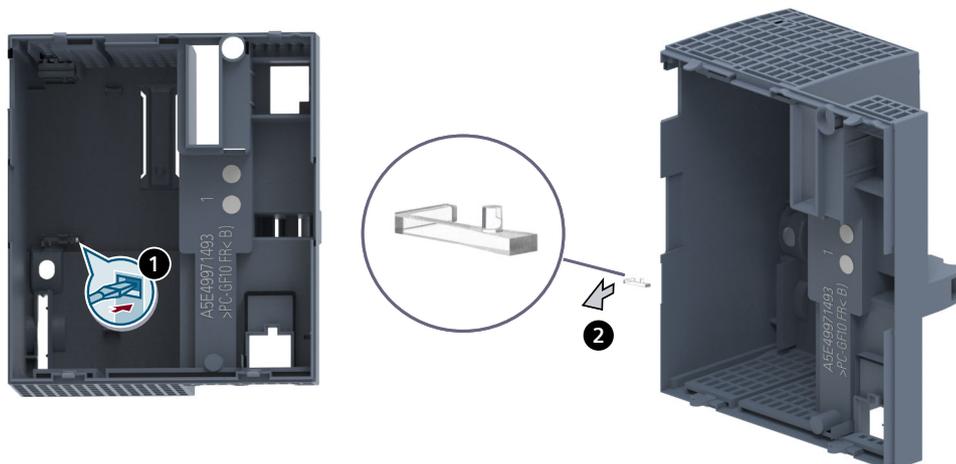
6. Disassembly of the coated plastic fiber-optic conductor

1. Use a flat-blade screwdriver to press the interlocks on the plastic fiber-optic conductor.
2. Pull out the plastic fiber-optic conductor.



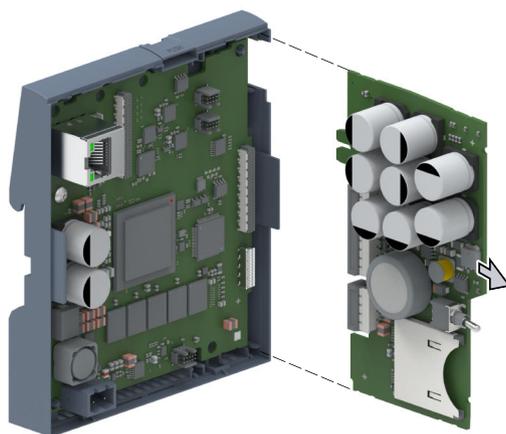
7. Disassembly of the plastic fiber-optic conductor

1. Use a slotted screwdriver to press on the snap locks.
2. Pull out the plastic fiber-optic conductor.



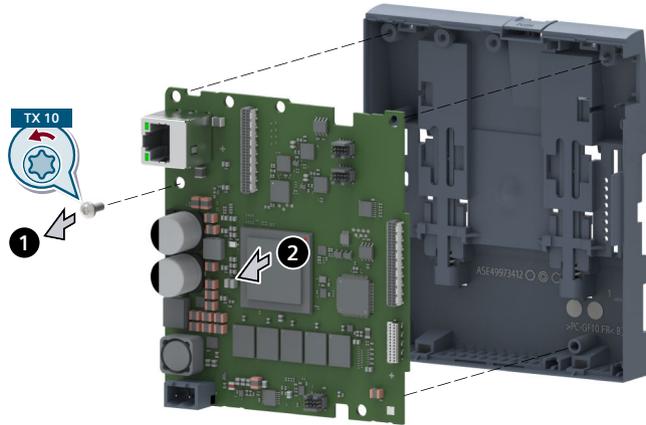
8. Pulling the assembled PCB out of the basic enclosure

Pull the assembled PCB out of the basic enclosure.



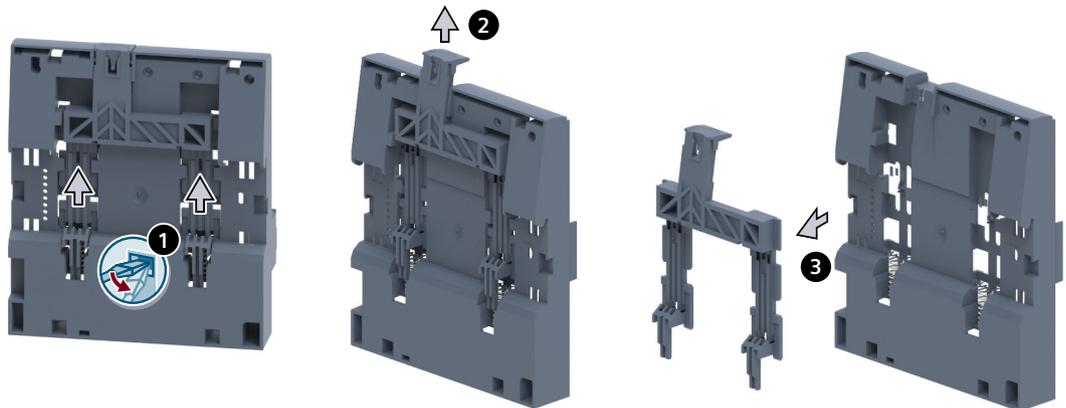
9. Disassembly of the assembled PCB

1. Remove the screw with a Torx screwdriver T10.
2. Pull off the assembled PCB.



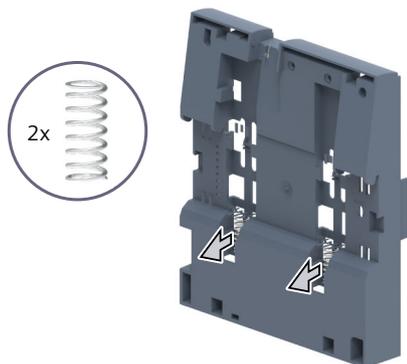
10. Disassembly of the basic enclosure

1. Use a flat-blade screwdriver to press into the snap locks.
2. Pull the latch upwards.
3. Remove the latch.



11. Removal of the compression springs

Press the 2 compression springs together slightly and pull out the compression springs.



Explanation of substances and components

Components according to Directive 2012/19/EU Annex VII

You must remove at least the following substances, mixtures and components from the product:

Substance/mixture/component	Position	Disassembly step
PCBs with a surface area greater than 10 cm ²	4	Step 9
	7	Step 8
Plastic with brominated flame-retardants	4	Step 9
	7	Step 8

Additional information

In order to support the recycling economy, SIEMENS creates transparency that goes beyond the regulatory requirements. See the table for additional information on smaller PCBs or displays, as well as metal alloys containing elements that may be critical at the end of the service life, such as beryllium or lead.

This information does not fall within the scope of Annex VII of Directive 2012/19/EU.

Substance/mixture/component	Position	Disassembly step
PCBs with a surface area less than 10 cm ²	6	Step 4

Received material fractions

All results from this process must be managed, handled, and disposed of in accordance with applicable waste laws and regulations including, but not limited to, the Waste Framework Directive and its national legislation in Europe and worldwide.

The following table contains the most important material fractions. The table does not claim to be complete.

Position	Possible material fractions (not exhaustive)
1, 3, 5, 8, 9, 10, 11	Polycarbonate
4, 6, 7	Copper, precious metals, tin
12	Polyamides, copper, precious metals, tin

Disclaimer of liability

The Recycler Guide is for information purposes only.

This Recycler Guide does not guarantee the composition of any product or that the product will retain a specific composition for a specific period of time. Therefore, all warranties, assurances, conditions implied by statute or common law are excluded to the fullest extent permitted by applicable law.

The Recycler Guide provides information about the disassembly process of an appliance so that the components can be assigned to the correct recycling channels. Reuse of dismantled components is not permissible.

Siemens therefore assumes no liability for errors or consequences that may result from the use of this information to the greatest possible legal extent.

Please note that the data in this Recycler Guide cannot be compared to data calculated based on product category rules (PCRs) other than the above standards. The values given are only valid in the specified context and cannot be used directly to create the environmental compatibility assessment of a plant.