

Z-6012 GT

2D Image Hands-Free Scanner



Service Guide

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	May. 29, 2024	Initial release

Preface

Important Notice

This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the instructions in this manual, it may cause interference to radio communications. The equipment has been tested and found to comply with the limits for a Class A computing device pursuant to EN55022 and 47 CFR, Part 2 and Part 15 of FCC Rules. These specifications are designed to provide reasonable protection against interference when operated in a commercial environment.

For CE-countries:

It is in conformity with the CE standards. Please note that a CE-Marked power supply unit should be used to conform to these standards.

Radio and television interference

Operation of this equipment in a residential area can cause interference to radio or television reception. This can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orientate the receiving antenna
- Relocate the device with respect to the receiver
- Move the device away from the receiver
- Plug the device into a different outlet so that the device and the receiver are on different branch circuits

If necessary, the user should consult the manufacturer, an authorized dealer or experienced radio/television technician for additional suggestion. The user may find the following booklet prepared by the Federal Communications Commission helpful: "**How to Identify and Resolve Radio-TV Interference Problems**". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004000003454.

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This manual is in A4 format. Please check your printer setting before printing it out.

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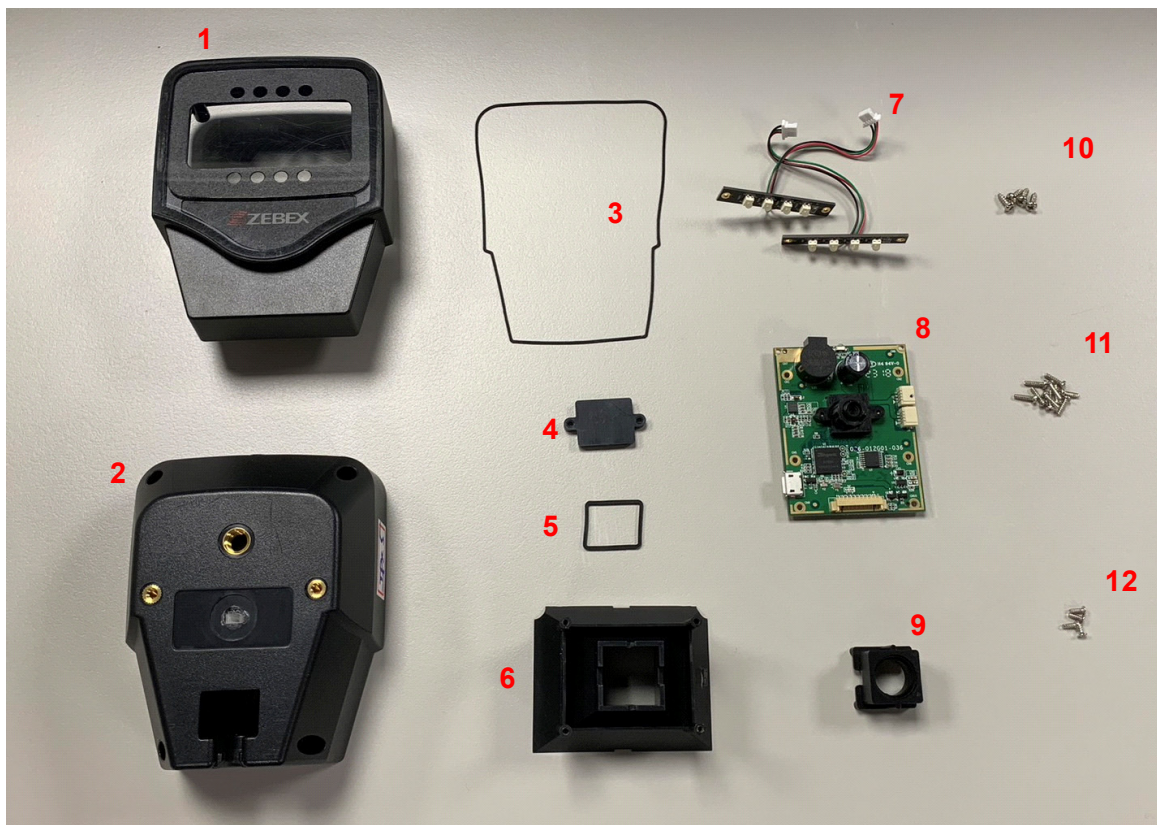
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Scanner Parts

The scanner includes the following parts:



For cable types, choose one of the following options based on the part number.



NO.	P/N	Name	Quantity
1	866-012GT0-201	Partially assembled front cover	1
2	560-160120-002	Back cover	1
	540-260120-001	LED mylar	1
	540-D60120-001	Water proof lamination	1
3	603-060120-001	Cover O-ring	1
4	560-160120-003	Cable cover	1
5	603-060120-002	Cable outlet O-ring	1
6	560-160120-001	Engine holder	1
7	616-012G02-201	LED Board (SMD+DIP partially assembled)	2
8	866-012GT0-901	Partially assembled 2D Engine	1
9	605-081820-001	LED rubber	1
10	521-003000-8R0	Self-tapping screw, M2-8.0mm	4
11	521-002000-6R0	Self-tapping screw, M1.6-6.0mm	10
12	521-202000-4R0	Self-tapping screw M1.6-4.0mm	4
13	170-53U044-200	USB type C cable	1
14	170-53U034-200	USB cable	1
15	170-51R544-200	RS-232 cable	1

※ Item8 cannot be shipped directly without adjustment.

※ Choose one of the following for items 13, 14, and 15.

Take Apart Before You Start

Important Instructions

- Read these instructions completely before you begin.
- Follow all instructions.
- Heed all warnings.

Tools to Prepare

- Philips screwdriver.

Please follow these steps to take apart Z-6012 GT.

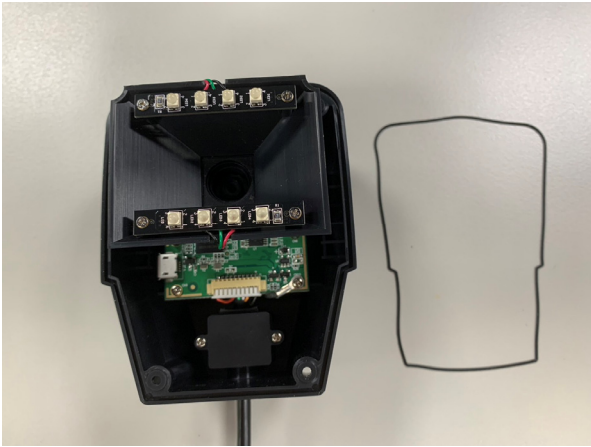
1. Remove the 4 self-tapping screws (M2-8.0mm, round head, cross) from the rear cover (521-003000-8R0 x 4).



2. Open the front and back covers.



3. Take out the O-ring from the groove in the rear cover.



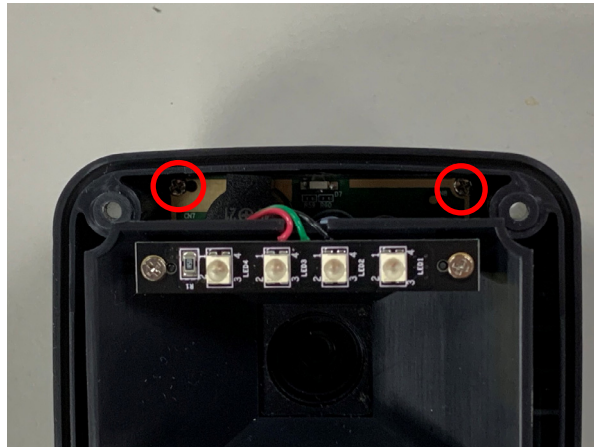
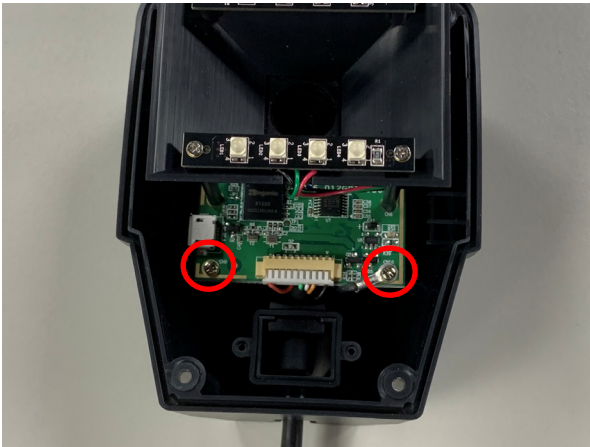
4. Unscrew the self-tapping screws (M1.6-6.0mm) (521-002000-6R0 x 2).



5. Remove the cable cover.



6. Unscrew the self-tapping screws (M1.6-6.0mm) (521-002000-6R0 x 4) from the main board.



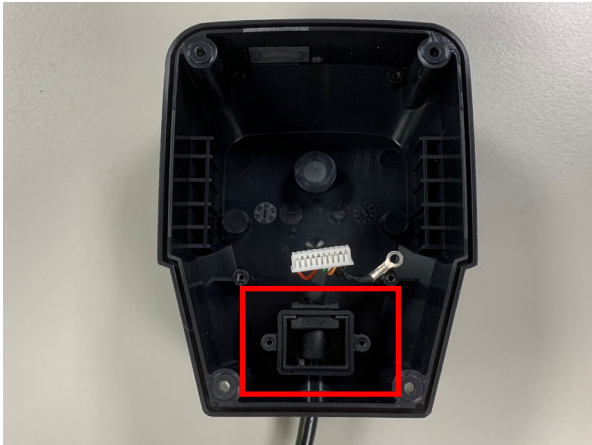
7. Disconnect the wire terminals from the main board.



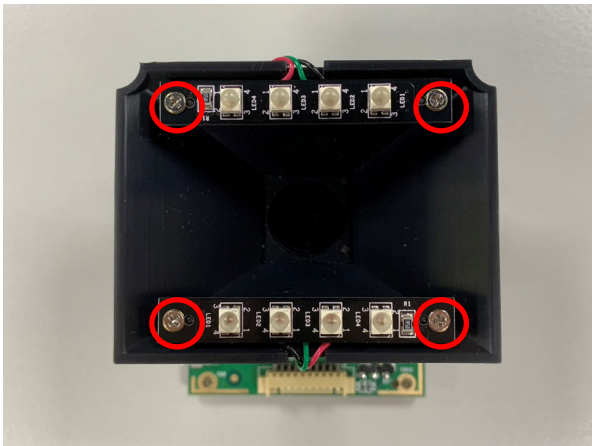
8. Remove the engine assembly (including the engine bracket and LED board) from the back cover.



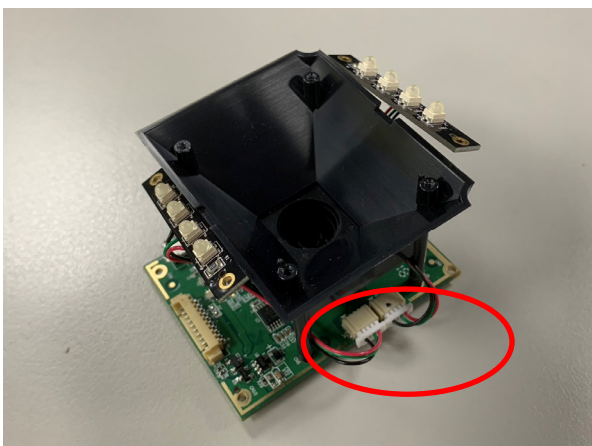
9. Remove the O-ring from the cable outlet hole on the rear cover along with the cable.



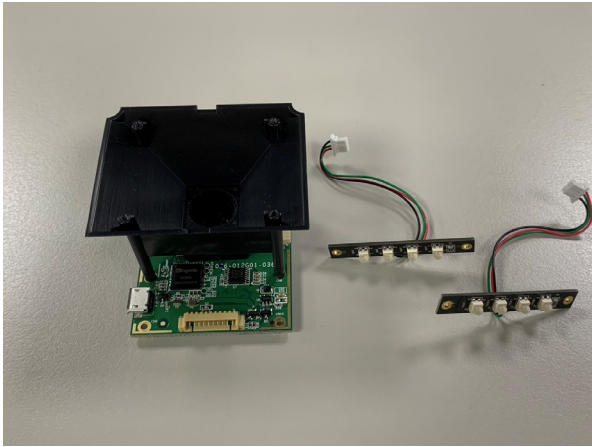
10. Unscrew the self-tapping screws (M1.6-4.0mm, flat head, cross) (521-202000-4R0 x 4) from the LED board.



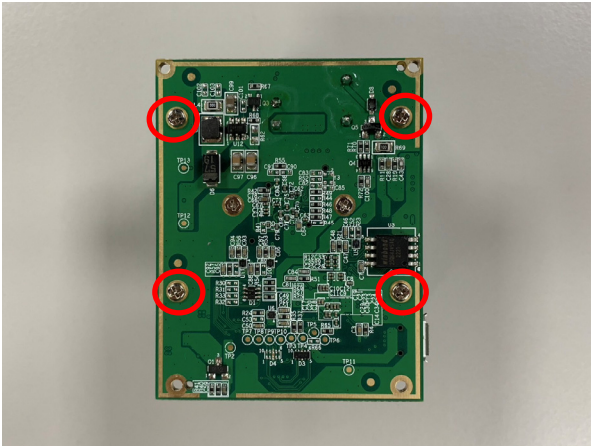
11. Disconnect the wire terminals from the LED board on the main board.



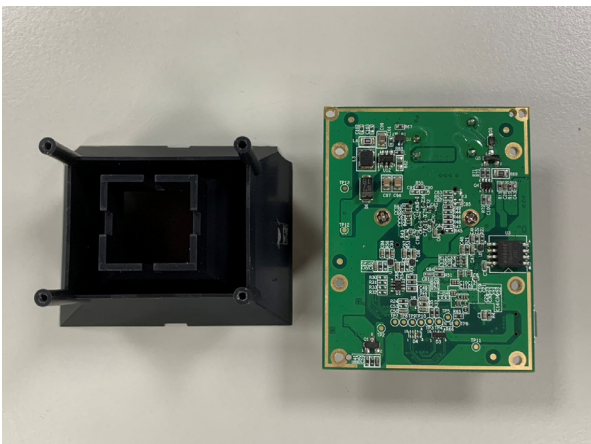
12. Remove both LED boards.



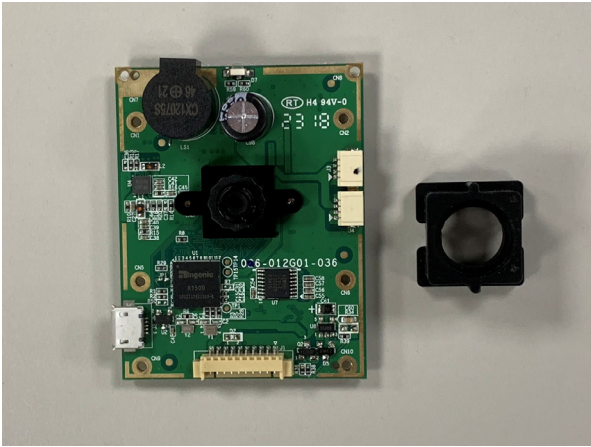
13. Unscrew the self-tapping screws (M1.6-6.0mm, round head, cross) (521-002000-6R0 x 4).



14. Remove the engine holder.



15. Remove the lens rubber.



Note: To assemble the scanner, start from the last step and work your way backwards and go over every step slowly.