

Z-3190

Gun Type Handheld CCD Scanner



Service Guide

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	Nov. 10, 2011	Initial release
1.1	Jan. 16, 2013	Updated parts #1, 10, 11, 13, 16
1.2	May. 22, 2014	New handle base

Preface

Important Notice

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We have taken reasonable measures to provide information in this manual that is complete and accurate. However, the material in this guide is for information only; we reserve the right to make changes in product design without reservation and without prior notification. For the latest revision please contact your distributor.

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Radio 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 the FCC rules. These specifications are designed to provide reasonable protection against interference when operated in a commercial environment.

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:

- Reorient 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 may consult the manufacturer, and authorized dealer, or experienced radio/television technician for additional suggestions. 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 U.S.A., Stock No. 004000003454.

For CE-Countries

This scanner is in conformity with CE standards. Please note that an approved, CE-marked power supply unit should be used in order to maintain CE conformance.

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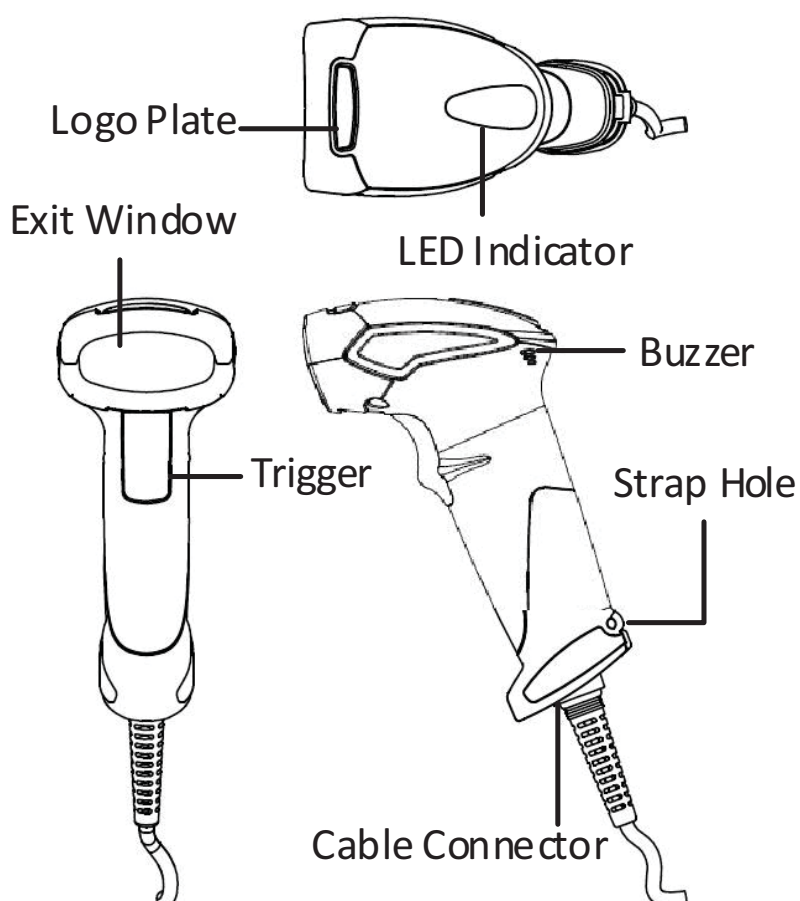
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Introduction

The Z-3190 is an advanced handheld CCD scanner with 100,000 light resistance ability and rugged gun type form factor, ideal for tough working conditions and rough operation. Decoding with speed and accuracy, it is made to streamline your business and improve work efficiency.

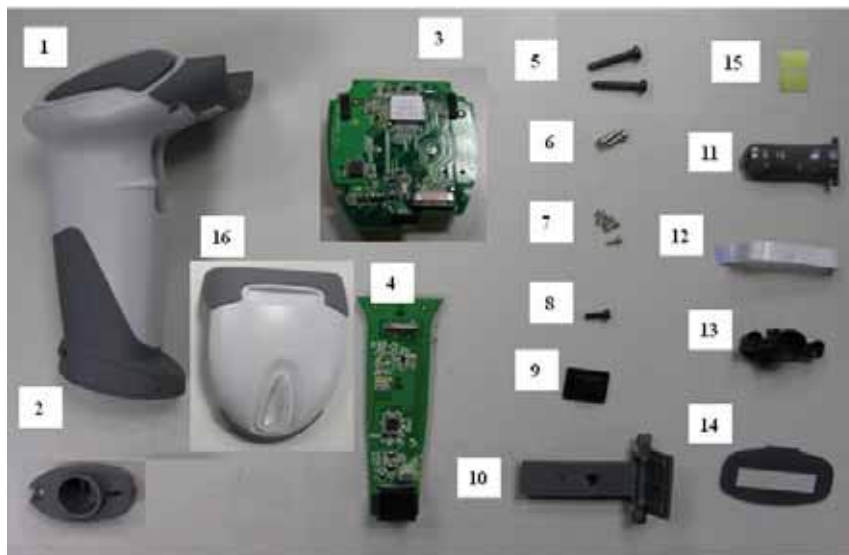
- ◆ Proprietary Ultrascan decoding technology
- ◆ 32 bit micro processor unit
- ◆ GS1 DataBar decoding capability
- ◆ Analog image capture technology
- ◆ 1.5 M drop resistance

Product Overview



Scanner Parts

The scanner includes the following parts:



NO.	P/N	Description	Quantity
1	560-431901-503	Scanner Base (grey)	1
	560-431901-506	Scanner Base (black)	
	560-431900-002	Scanner Base (black) new, running change	
2	564-031900-381(grey) 564-031900-382(black)	Cable base cover	1
3	863-319002-501	CCD engine assembly	1
4	613-190002-201	023-190002-022 trigger board	1
5	521-014000-016	Screw,M3-16.0mm	2
6	521-004000-8R0	Screw ,M3-8.0mm	2
7	521-003000-6R0	Screw ,M2-6.0mm	6
8	520-0140R5-6R0	Screw ,M3*0.5-6.0mm, black	1
9	603-031900-581	Rubber trigger button	1
10	564-031900-362	Trigger button support	1
11	560-131901-524	Trigger button	1
12	031-007016-000	FFC cable(16P,0.5mm pitch,L=70mm,one side contact)	1
13	564-031900-412	Buzzer sleeve	1
14	684-100000-542	Protective dust cover	1
15	644-7319X0-000	Mylar tape, 94V0,12.0*8.5mm , t0.1mm	2
16	602-2SSHC0-681	Protective rubber	4
	863-319000-203	Top cover assembly	1

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-3190.

1. Remove the screws from the scanner.



2. Separate the top cover and the scanner base then remove the mylar tape and the FFC cable.



Remove the CCD engine assembly from the scann base.



3. Remove the 4 screws pointed in red arrows.



4. Carefully remove the dust cover, buzzer sleeve, and trigger button assembly. .



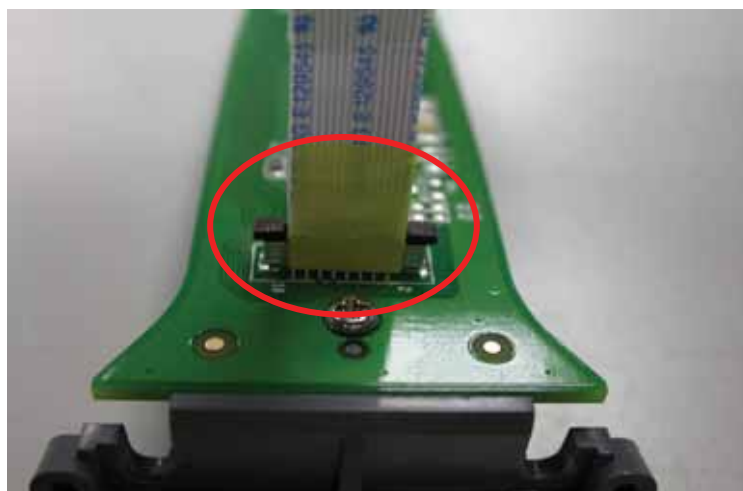
5. Remove the screw from the cable base cover.



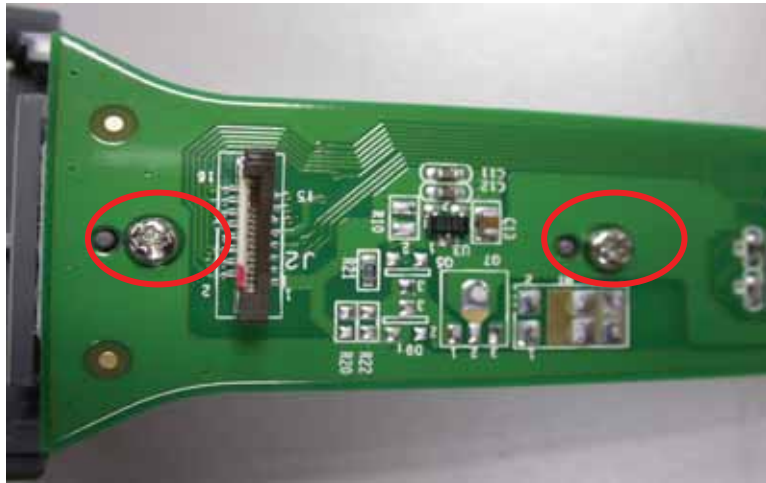
6. Separate the cable base cover from the scanner base.



7. Carefully remove the mylar tape and FFC cable from the trigger board.



8. Remove the 2 screws from trigger button support.



9. Remove the trigger button support and rubber trigger button.

