



2016 Limited Edition

M4A1

Instruction Manual

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⚠ NOTE: This kit is only for properly trained adults, and may cause serious injury when misused. Before using it, check and understand this instruction manual and VODs on GBLS website carefully, and follow them fully for safety. GBLS Co., Ltd. including its subsidiaries and affiliates SHALL NOT BE RESPONSIBLE FOR injury, death, or damage to property, economic loss in any manner whatsoever incurred as a result of users' handling.

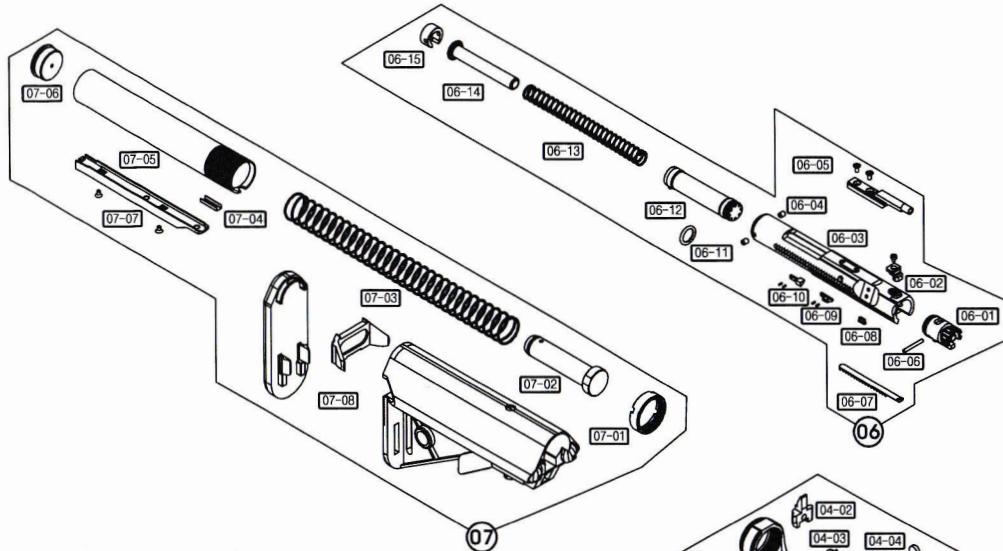
01 Cautions for Assembly

- ◆ DAS Assembly Kit is designed to help users to understand the mechanical structure of DAS M4A1 and its mechanism.
- ◆ Some tools would be needed to assembly this kit, but they are not included in this package.
- ◆ This is an assembly kit. GBLS does not assure the perfect operation of assembled item. When you have a problem in assembling, find technicians.
- ◆ **We tested all of items one by one, so there would be some scratches or external wear marks on surface of the item and parts.**

02 Specifications

Model	DAS M4A1 Limited Edition
Ammo. Type	6mm Plastic BB (0.2g)
Length	806 / 880mm
Item Weight	About 3.12kgs
Inner Barrel Length	369mm
Ammo. Capacity	About 60 rounds / Proprietary Magazine of DAS
Battery Type	Li-po 11.1v Battery (Not included)
Hop-Up	Adjustable
Muzzle Velocity	Under 146 FPS (0.2g BB)
Energy	Under 0.2J (0.2g BB)
Firing Mode	Auto / Semi / Safe
Bolt Action	OK
Take Down	OK
Blow Back	OK
Air Cocking	OK
Firing Control	Proprietary Mechanical System of DAS

03 Component Diagram & List



05 GEAR BOX

No.	PART #	DESCRIPTION
05-01	DM4-L-G001	GEAR BOX SET
05-02	DM4-L-G022	STAINLESS STEEL BUSH
05-03	DM4-L-G024	SIM PLATE
05-04	DM4-L-G015	3rd GEAR SET
05-05	DM4-L-G014	SEAR OPERATOR SET
05-06	DM4-L-G025	SEAR SET BOLT
05-07	DM4-L-G020	2nd SPUR GEAR
05-08	DM4-L-G019	1st BEVEL GEAR

06 BOLT CARRIER

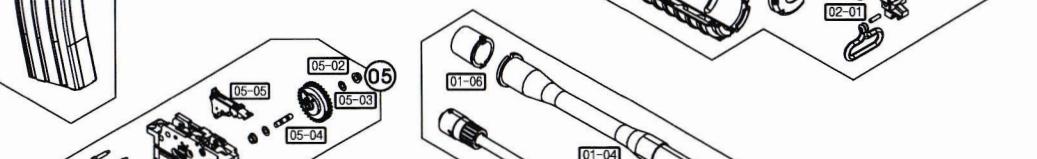
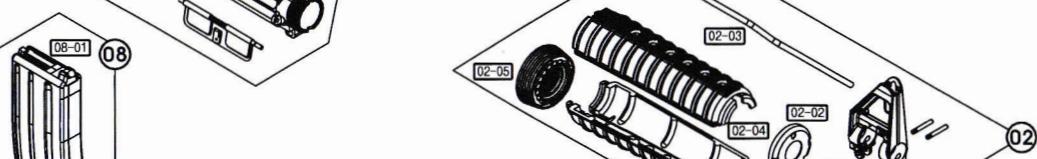
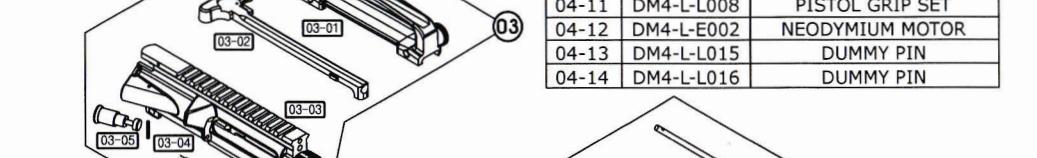
No.	PART #	DESCRIPTION
06-01	DM4-L-B002	BOLT
06-02	DM4-L-B004	BOLT HOLDER
06-03	DM4-L-B001	BOLT CYLINDER
06-04	DM4-L-B014	SPRING GUIDE HOLDER BOLT
06-05	DM4-L-B005	GAS NOZZLE
06-06	DM4-L-B003	BOLT PIN
06-07	DM4-L-B009	BOLT RACK GEAR
06-08	DM4-L-B013	POWER OFF TIP
06-09	DM4-L-B011	GEAR LINK SET
06-10	DM4-L-B012	FULL AUTO TIP SET
06-11	DM4-L-B016	PISTON O-RING
06-12	DM4-L-B006	PISTON
06-13	DM4-L-B015	PISTON SPRING

01 FOREARM/BARREL

No.	PART #	DESCRIPTION
01-01	DM4-L-F001	FLASH HIDER
01-02	DM4-L-F002	FLASH HIDER WASHER
01-03	DM4-L-F003	FLASH HIDER O-RING
01-04	DM4-L-F006	OUT BARREL
01-05	DM4-L-F007	HOP UP/INNER BARREL SET
01-06	DM4-L-F008	BARREL EXTENSION

02 FOREARM/BARREL

No.	PART #	DESCRIPTION
02-01	DM4-L-F004	FRONT SIGHT SET
02-02	DM4-L-F010	HANDGUARD CAP
02-03	DM4-L-F011	GAS TUBE
02-04	DM4-L-F009	HANDGUARD
02-05	DM4-L-F005	DELTA RING



03 UPPER RECEIVER

No.	PART #	DESCRIPTION
03-01	DM4-L-U005	CARRY HANDLE
03-02	DM4-L-U003	CHARGING HANDLE
03-03	DM4-L-U001	UPPER RECEIVER
03-04	DM4-L-U002	EJECTION PORT COVER
03-05	DM4-L-U004	FORWARD ASSIST KNOB

04 LOWER RECEIVER

No.	PART #	DESCRIPTION
04-01	DM4-L-L001	LOWER RECEIVER
04-02	DM4-L-L004	SPRING GUIDE HOLDER
04-03	DM4-L-L003	SELECTOR LEVER
04-04	DM4-L-L002	BOLT CATCH
04-05	DM4-L-L006	MAGAZINE CATCH SET
04-06	DM4-L-L005	DUMMY SELECTOR
04-07	DM4-L-L014	END PLATE
04-08	DM4-L-L011	LOCKING PIN SET
04-09	DM4-L-L010	PIVOT PIN SET
04-10	DM4-L-L009	TRIGGER GUARD SET
04-11	DM4-L-L008	PISTOL GRIP SET
04-12	DM4-L-E002	NEODYMIUM MOTOR
04-13	DM4-L-L015	DUMMY PIN
04-14	DM4-L-L016	DUMMY PIN

04 How to Assemble

- ◆ Refer to posting(VOD) on GBLS website(www.gbls.co.kr) or GBLS YouTube account.

05 Safety Precautions for the Assembled Item

⚠ Warning

- ◆ For the safe and proper handling, always pay particular attention to all of the below warnings and cautions, and observe them for yourself and others. You can check more cautions and tips from VOD on GBLS website and YouTube.

Safety Guidelines

- ◆ Never aim it at people or animals.
- ◆ Keep the muzzle of the airsoft gun pointed in a safe direction.
- ◆ Shoot only at proper targets. They could be broken or damaged.
- ◆ Do not shoot at hard or soft surface or the surface of water, or a ricochet may occur, and then hit someone or something you had not intended to hit.
- ◆ Use 6mm, 0.2g, new, high-quality, plastic BBs only as a projectile. Before you load BBs, check if there are flaws or not.
- ◆ **Only use the HARD BBs like or harder than Perfect Hit.**
- ◆ Always wear eye protection while handling it. Do not risk your own eyes.
- ◆ Never look into the muzzle directly. Jammed BB would launch suddenly.
- ◆ Always assume that it is loaded.
- ◆ Never assume the chamber is empty. It could still fire with the magazine removed.
- ◆ Keep airsoft gun unloaded until ready to shoot.
- ◆ Keep your finger off the trigger until ready to shoot.
- ◆ Keep the selector on "SAFE" until ready to shoot.
- ◆ **Do not fire without ammunition. It could be the cause for malfunction.**
- ◆ Only use on the authorized land where full permission to shoot has been given from government. If you make it visible in public areas, people could be confused, and it may be a crime.
- ◆ Before use this item, check your government's stipulated minimum age, allowed shooting energy and required colored parts, and observe them. (Only orange tip is included in this package.)

- ◆ When transporting, carry it in a case or bag.
- ◆ You may be punished if you are shooting or displaying it for practical jokes, or threats.
- ◆ Do not handle it while under the influence of alcohol, medication, or drugs.

Storage

- ◆ Set the selector to SAFE position.
- ◆ When storing, make sure all of BBs and battery are unloaded from the item.
- ◆ Keep out of reach of children.
- ◆ Keep dry; Gun could be permanently damaged by water or moisture.
- ◆ **When storing, YOU MUST take the below steps. (Refer to VOD);**
 - a. Remove BBs, set the selector to SAFE first, and remove battery and magazine.
 - b. Pull the trigger(fire) TO RELEASE PISTON SPRING,
 - c. Take down the gun.
 - d. Push the Power-off switch marked as "A".



→ When you push the "Power-off switch"(A), "Power-on tip"(B) will go down like the image. It means "Power-off", and this step makes Power-on/off spring released. THESE STEPS SHOULD BE DONE **WHEN CHANGING BATTERY as well**. After going through these 4 steps, change the battery.

Others

- ◆ It is user's sole duty to know and obey all laws governing the use and ownership of airsoft guns in your local area, and/or country.
- ◆ Never attempt to modify or convert it illegally. Modified item could be classified as a real arm under law, and you may be punished.
- ◆ **Never try to change the piston (main) spring. It may result in a malfunction.**
- ◆ When repair is needed, ask a skillful gun smith. A gun fixed by an user could be the cause of malfunction, and a gun assembled poorly should be dangerous. If you cannot find a proper person, contact GBLS.

06 How to Test

- ◆ Refer to posting(VOD) on GBLS website or GBLS YouTube account.

07 Maintenance & Repair

- ◆ Store and maintain the item carefully as written in this manual.
- ◆ If you cannot understand this manual fully, or if the assembled item does not operate well, **contact GBLS directly.**
- ◆ **Apply high-temperature grease frequently to surface of bolt carrier group where sliding against the receivers. (Refer to VOD online)**
- ◆ After a certain number of firing, check the below 2 parts;
 - a. Hop up set from part#DM4-L-F007.
 - b. The parts exposed on the top of gear box.

You can see the posting(VOD) about how to check on GBLS website (www.gbls.co.kr), or GBLS YouTube account.

08 Troubleshooting Guide

SYMPTOMS	CAUSE	SOLUTIONS
Not Firing	Selector lever on Safe mode	Change selector to Semi Auto/Full Automatic Mode.
	Low power/ Dead battery	Charge/Replace battery.
	Wrong installation of battery	Install battery correctly.
	Blown out fuse	Replace with a new fuse.
	Ended motor's Life	Replace the motor. (Contact GBLS)
	Loose connection with motor	Tighten the connector at the bottom of motor.
	Not loaded	After installing the magazine, load BB according to the position of bolt carrier group; <ol style="list-style-type: none">a. If bolt is locked back, push the bolt catchb. If bolt is moved forward, pull the charging handle back.

SYMPTOMS	CAUSE	SOLUTIONS
Reduced Recoil Shock	Low battery power	Recharge/Replace battery.
Full Auto Feature not Functioning	Low battery power	Recharge/Replace battery.
	Faulty BB fed	Stop firing promptly, and remove fed BBs from chamber.
Semi Auto Feature not Functioning	Low battery power	Recharge/Replace battery.
	Unsufficient contact	Take down the item, and push the power-off switch. (Refer to VOD on GBLS website, or GBLS YouTube account)
Firing Cycle Slowing down	Low battery power	Recharge/Replace battery.
Firing Distance Getting Shorter	Damaged the spring	Replace the spring.
	Improper BBs	Only use the HARD BBs like or harder than Perfect Hit.
BBs Follen out from Barrel End.	A Loud Noise while Operating	Worn or damaged gear by dry fire practice Never do dry firing. It may result in a malfunction.
	Worn/Damaged chamber bucking	Replace/Repair chamber bucking.
	Hop-Up turned off	Turn on Hop-Up.
	Improper BBs	Only use the HARD BBs like or harder than Perfect Hit.
BBs Travels not regularly	Hop-Up adjusted too high	Dial down the Hop-Up adjustment.
	Inner barrel or Hop bucking contaminated by oil/dirt.	Wipe off oil/dirt.
	Worn or Damaged Hop-Up bucking	Replace the bucking.
	Improper BBs	Only use the HARD BBs like or harder than Perfect Hit.



SYMPTOMS	CAUSE	SOLUTIONS
Being Wet	1. Stop operation at once, and remove the battery. 2. Wipe off water inside/outside of the body and the battery. 3. After dry them completely, and have a shot. If it does not operate well, consult GBLS for repair.	

09 Warranty Policy

- ◆ GBLS provides lifetime warranty for DAS M4A1 Limited Edition.
- ◆ But, this warranty is not applicable to the parts can be compatible with other AEGs and GBBRs, and scratches or external wear marks on parts.
- ◆ This Warranty is limited to only;
 - a. Exchange broken parts with new ones, if defects are covered by the warranty.
 - b. Repair by GBLS Technician, if defects are covered by the warranty, and
 - c. Offering upgraded parts for free.

User Registration

- ◆ Send the below six information to our email to activate your warranty.

(sales@gbls.co.kr)



1. Edition number
2. Serial number on Certificate
3. User name
4. Email address
5. Shipping address
6. Telephone number

Certificate of Authenticity

Edition Number of 300

- ◆ User registration is available once for the initial purchaser only. User can resell/give the item to others, but warranty is not transferred to a new user.

What will void a warranty

- ◆ GBLS provides a warranty for a breakdown and being worn out in common use, but the below things make this warranty void;
 - a. ANY MODIFICATIONS OR ALTERATIONS TO THE PRODUCT;
 - Disassembling bolt carrier group for internal upgrades,
 - Disassembling and conversion any of lower receiver parts including gear box.
 - b. Defects or malfunctions resulting from any use not referred to in this Instruction Manual such as careless handling, physical abuse, disassembly, use of BBs and battery not specified in here, and etc.



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