



# SAR

## SPORTMATCH

### M41 SG / ES

HANDLING CAUTIONS AND INSTRUCTION MANUAL



CA021M



CA022M

#### WARNING

- FOR AGE 18 OR ABOVE.
- PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE USE. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY.
- USER SHOULD OBEY TO THE LAWS REGARDING THE USAGE AND OWNERSHIP OF AIRSOFT ELECTRIC GUNS.
- FACIAL PROTECTION IS REQUIRED.

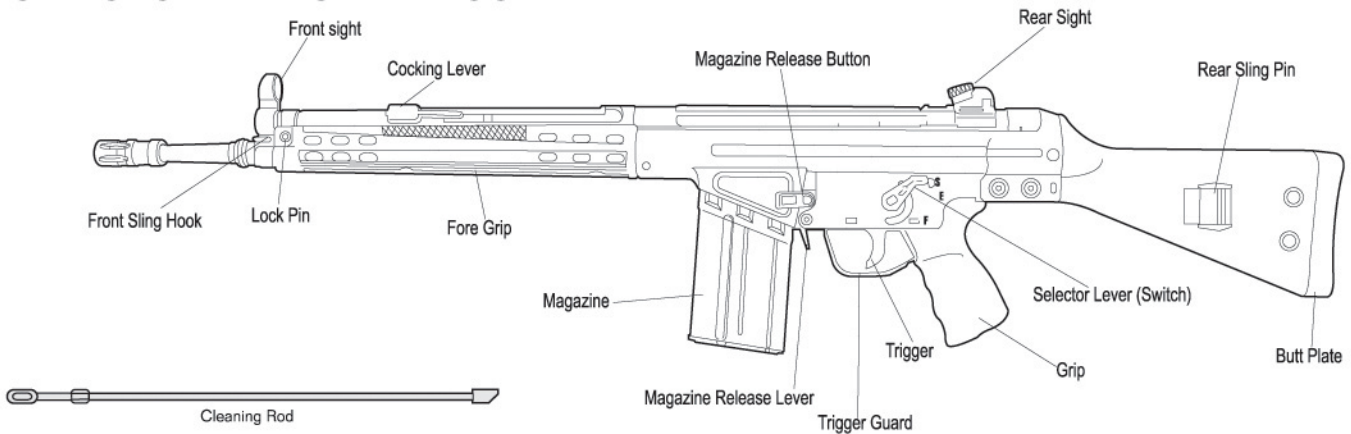
**HOP-UP  
SYSTEM**

Produced By Classic Army, Hong Kong

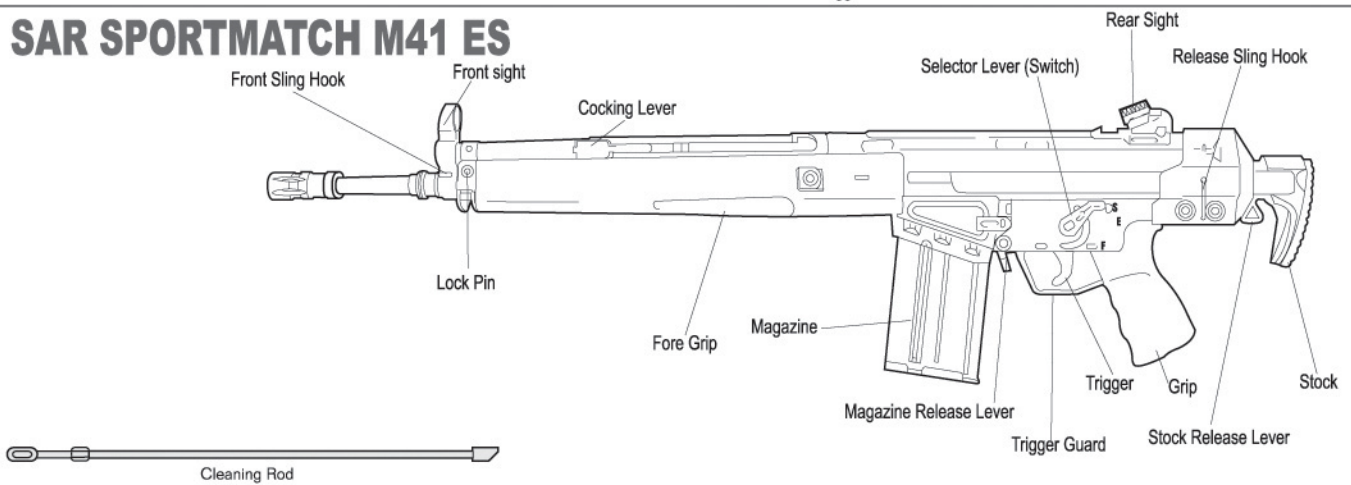
## 1 Outlook / Structure

Always set the selector switch to the safe position when you are not firing or during storage

### SAR SPORTMATCH M41 SG





### SAR SPORTMATCH M41 ES



## 2 Specification

### Data of Automatic Electric Gun

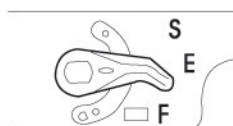
Name	SAR SPORTMATCH M41 SG	SAR SPORTMATCH M41 ES
		
Weight	2.90kg	3.2kg
Barrel Length	495mm	495mm
Barrel Caliber	6.08mm	6.08mm
Pellet Capacity	500	500
Pellet	6mm BB	6mm BB
Initial Pellet Speed	85-105 m/s	85-105 m/s
Battery Type	Large Type (8.4v)	Mini Type (8.4v)

## 3 Operation

### 1 How to use safety lock



S : Safety Lock



E : Semi Auto



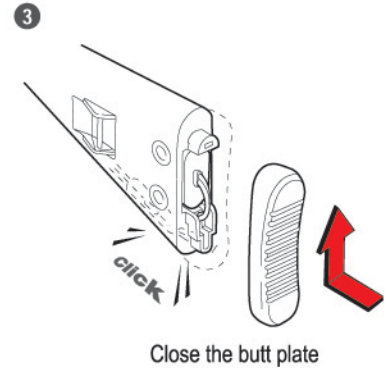
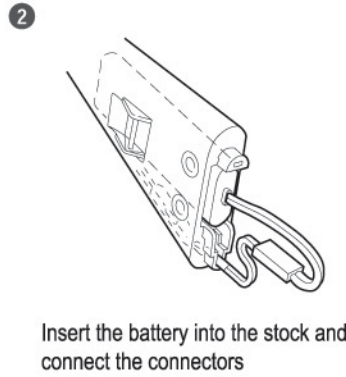
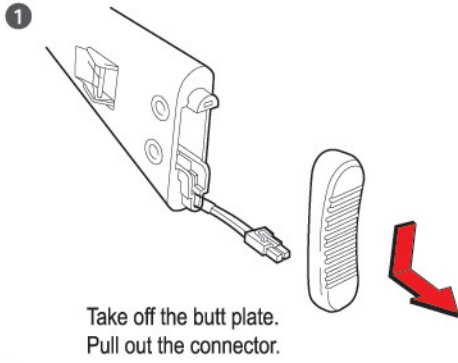
F : Full Auto



## 2 How to insert battery

### SAR SPORTMATCH M41 SG

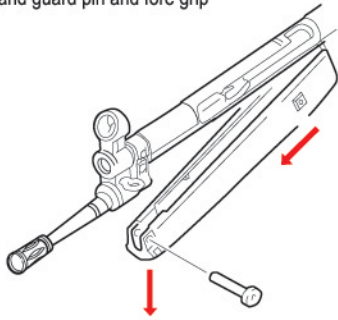
Set the battery after charging



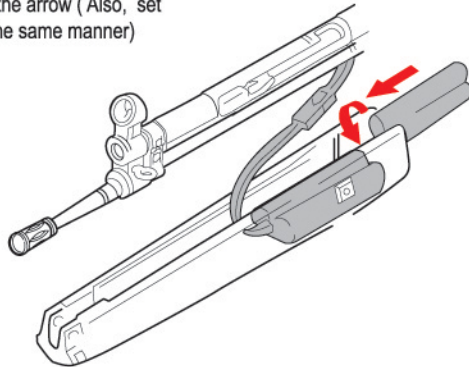
• Be careful with your fingers

### SAR SPORTMATCH M41 ES

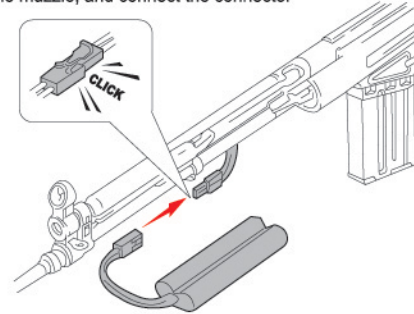
1 Take off the hand guard pin and fore grip



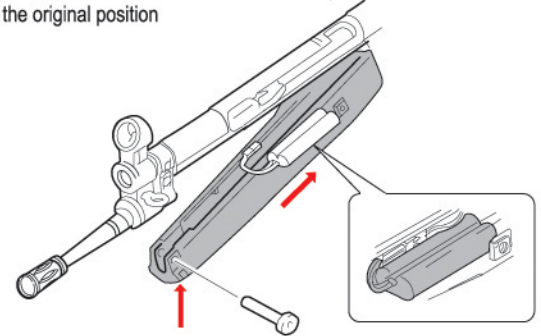
3 Fit the rib built in the fore grip to the groove shown by the arrow (Also, set the other side in the same manner)



2 Insert the battery into the fore grip, with the cord side facing the muzzle, and connect the connector



4 Install the fore grip while securing the cord with your fingers so that they do not contact the area shown by the oblique lines and then restore the hand guard pin to the original position



## 3 Magazine Attachment / Detachment procedure

High precision is required for the operation of this magazine. Avoid invasion by dust and dirt into the magazine to prevent malfunctions.

### Action against Problem

Failure in pellet feeding may occasionally occur during full auto operation. In this case, disconnect the magazine, give a slight shock or poke BB pellets using a stick and then set the magazine again.



About 30 pellets remain in the duct after operation. Be careful with the pellets which will fire out if you hold the gun up-side-down and pull the trigger.

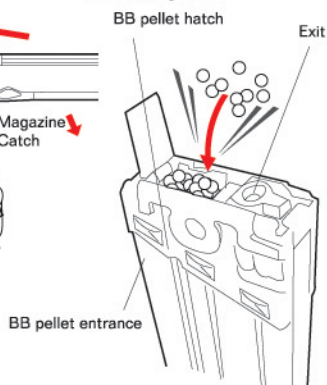
### Ensure Smooth Pellet Feeding

- Occasionally give slight shocks to the gun or shake vertically for ensuring smooth pellet feeding.
- Slightly turn the gear after every 50 to 60 pellets for ensuring smooth pellet feeding.

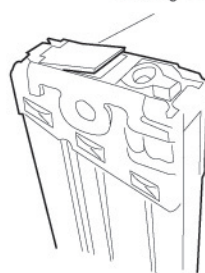
1 Press the magazine catch to detach the magazine



2 Open the top hatch and insert BB pellets. About 500 pellets can be loaded. (Avoid forcing BB pellets into the magazine.)



3 Close the hatch pellet stopper releasing lever



Remove pellets remaining in the duct by reversing the magazine and using the release lever as shown. This ensures smooth operation next time.

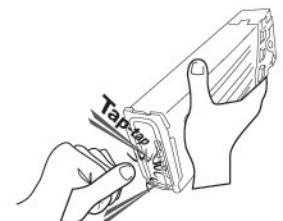
4 Hold the magazine with BB pellet entrance facing upward. Turn the gear at the bottom all the way until the click-click sounds change. (If only a small number of BB pellets are inserted, the gear merely makes blank turning.)

Turn the gear all the way until the sound changes.

The gear will not be damaged even if you turn it excessively.



5



If pellet feeding is frequently in fault, remove all pellets from the magazine and spray silicone oil for 1 to 2 sec. Note that the hop-up operation may become unstable for a while after using silicone oil.

## 4 How to fire



\* A blank firing may occur at triggering after setting the magazine, this is the normal operation of the gun.

### Cautions on Motor and Battery

- Change the battery if the firing cycle becomes slow.
- Give the air gun a rest for 5 to 10 minutes after firing about 500 pellets, in order to ensure high durability of the motor and battery.

### When pellets are clogged

- If pellets are clogged, remove them and apply a few drops of silicone oil into chamber from the magazine entrance as shown or spray silicone oil for 0.5 to 1 sec to obtain smooth continuous firing. (Never use CRC-556 or other mineral oil)



- There are possible cases that no firing occurs after pulling the trigger in the semi auto mode. In case, do not pull the trigger furiously. Fire 5 to 10 pellets in the full auto mode and then return to the semi auto mode.

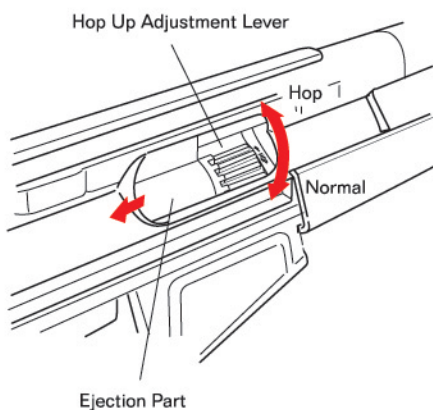
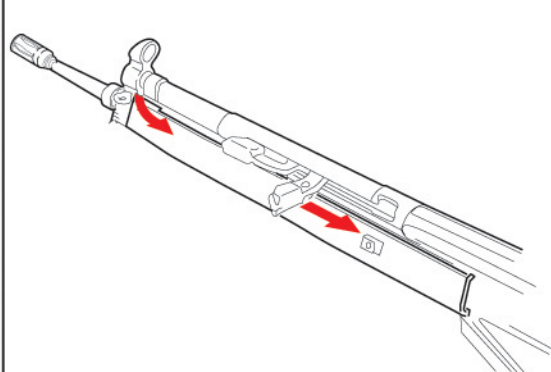


- Smell may be generated from the motor for a while when a new air gun is operated, this is the normal operation of the gun.



- The hop up operation may be unstable for 200 to 300 pellets after using silicone oil, this is the normal operation of the gun.

## 5 How to adjust the hop up system



- 1 Keep pulling the cocking lever while adjusting the lever.
- 2 Turn the hop up adjustment lever gradually.
- 3 Turning excessively will adversely affect the trajectory. Stop turning the hop up adjustment lever when pellets shoot horizontally.



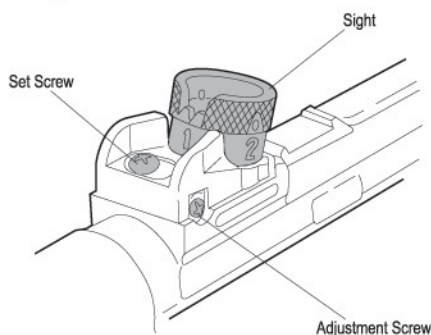
Over turning towards the hop up will cause pellets clogging easily. Keep pulling the trigger with clogged pellets will damage the piston and gears.



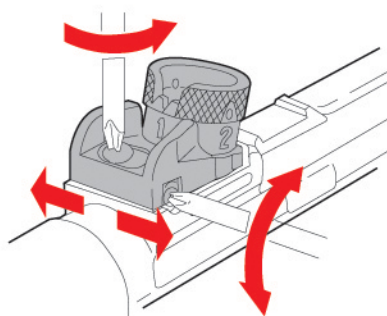
Be careful with your fingers.

## 6 Rear sight adjustment

- 1 The sight is adjustable to four positions.



- 2 Loosen it out by a screwdriver.



- 3 Adjust to left or right.



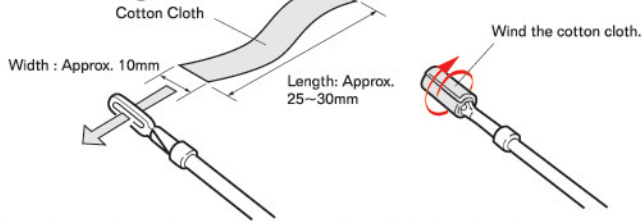
- 4 Adjust a way of shooting.





## 4 Maintenance

### 1 How to use a cleaning rod



Cut a cotton cloth to the size shown above and insert one end into the hole in the rod. (Adjust the length of cloth for smooth entry into the barrel.)



**CAUTION:** Always begin the maintenance by returning the Hop Up adjustment lever to NORMAL.



**CAUTION:** The chamber is a precision component. Never use any used BB pellets.

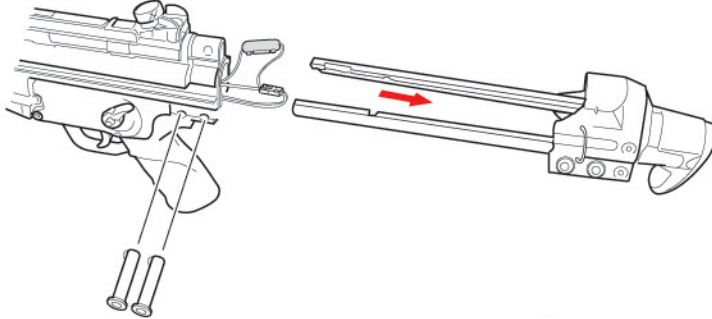
\* The hop-up performance may become unstable for 60 to 70 pellets after maintenance.

1 Spray silicone oil for 0.5 to 1 sec in the pellet entrance, then fire 40 or 50 pellets to make the magazine more stable.

2 Clean up the oil from the chamber by using the cleaning rod (with cotton) to complete the maintenance.

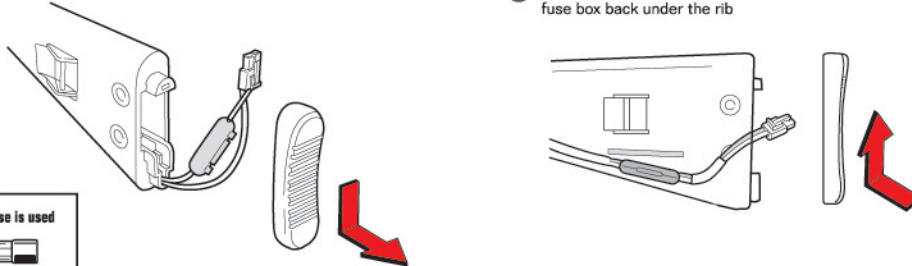
### 2 How to replace the fuse

1 Open the cover and pull out the fuse box



1 Open the cover and pull out the fuse box

2 Change the fuse and place the fuse box back under the rib



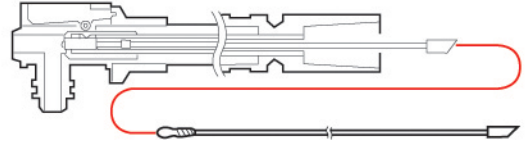
20A Glass Tube Fuse is used



Hold the tip of the rod and insert it with turning motion.



**CAUTION:** Inserting the rod will be difficult if you hold the rod at the end.



**CAUTION:** Always begin the maintenance by returning the Hop Up adjustment lever to Normal.



**Never use any used BB pellets**



Using new 6mm BB pellet is a must



Please don't use the BB pellet which is not completed.



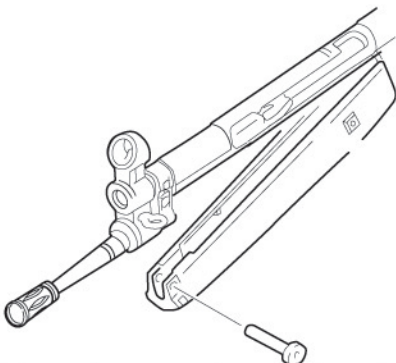
Please don't use the broken BB pellet.



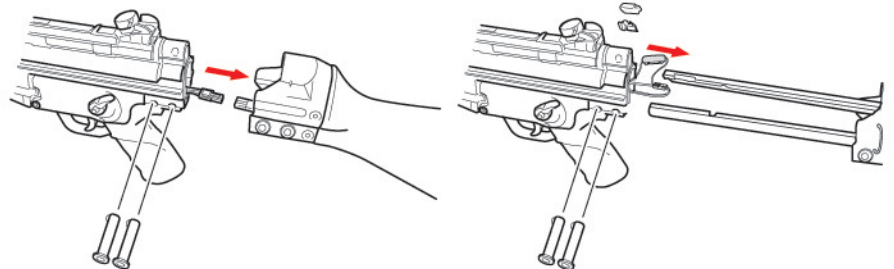
Please don't use the BB pellet which diameter is exceeded 6 mm.

## 5 Proper Disassembling

1 Take off the pin before opening the fore grip.



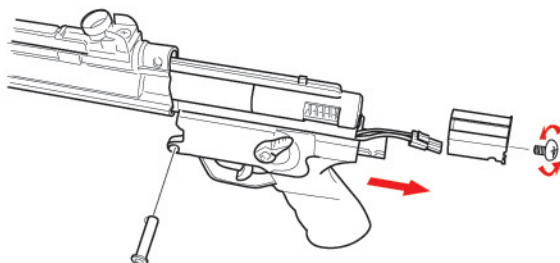
2 Take off the pin & pull out the stock. Be careful with the connector.



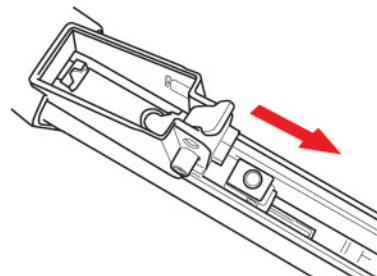
SAR SPORTMATCH M41 SG

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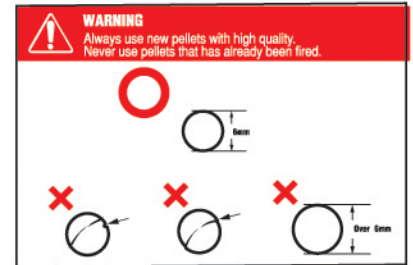
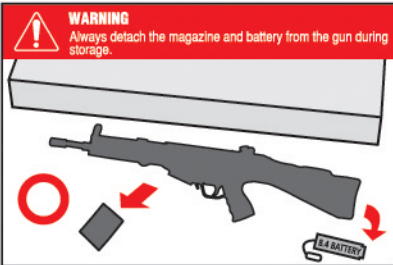
3 Loosen the screw on the rear of the gearbox, take off the pin, then pull out the lower receiver.



4 Pull out the barrel.



## 6 WARNING



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 Add.: Bakkegaardsvej 304, DK-3050 Humlebaek, Denmark  
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 Fax: (45) 49 19 31 60  
 Email: sales@actionsportgames.com  
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 Fax: (+39)02 25118560  
 Email: visele@classicarmyitalia.com  
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 Tel: (1) 650 589 5501  
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### Taiwan

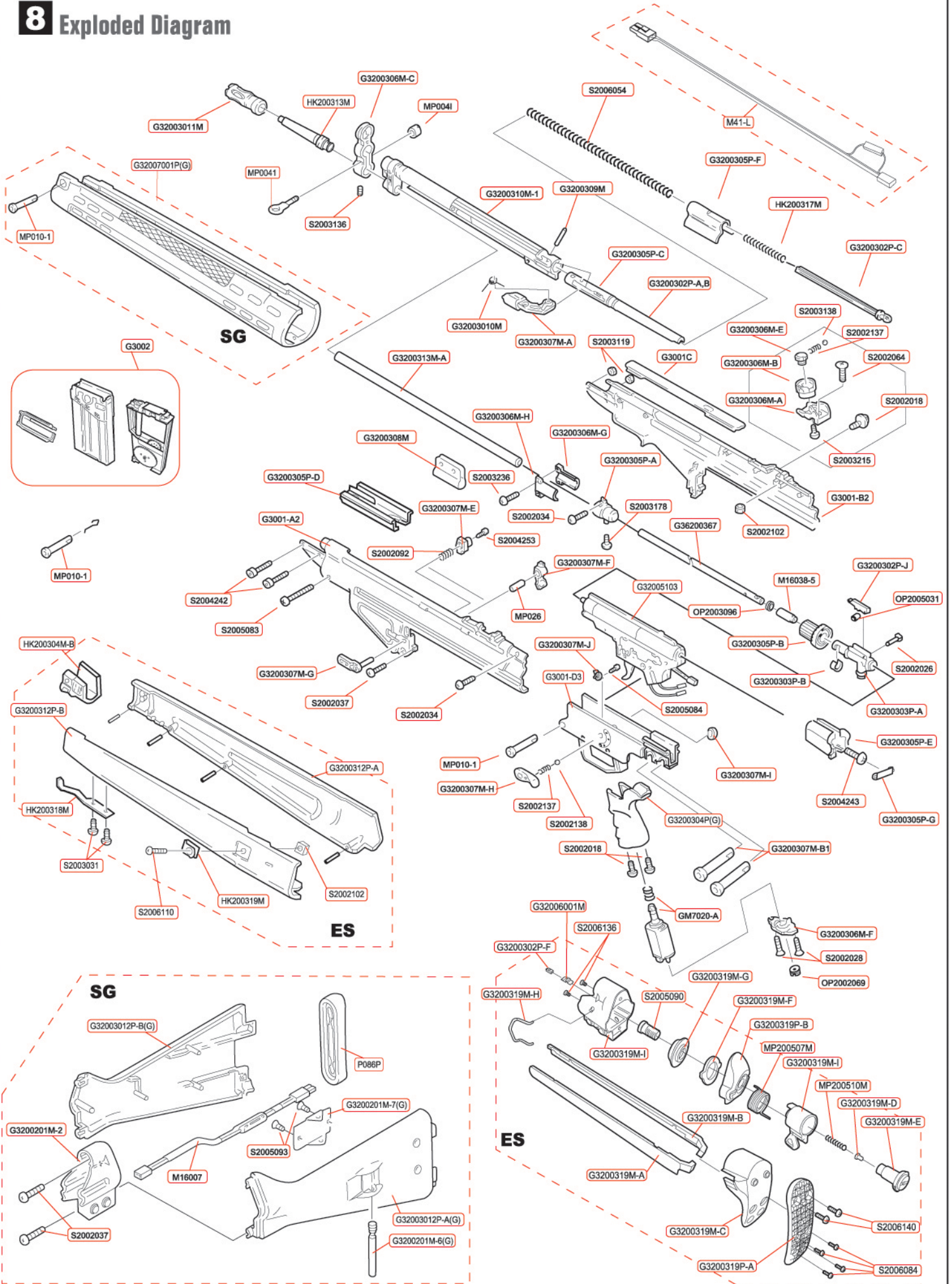
Co. Name: F-Link Int'l Enterprise Co. Ltd.  
 Add.: 3 Lane 62, Jianguo 1st Rd., Lingya District, Kaohsiung City 802, Taiwan, R.O.C.  
 Tel: (886) 7-710 0198  
 Fax: (886) 7-710 0398  
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 Tel: (7) 495 323 5366  
 Fax: (7) 495 323 5366  
 Email: toybike@yandex.ru  
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## 8 Exploded Diagram







SPORTMATCH  
**SAR**  
M41 SG / ES

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