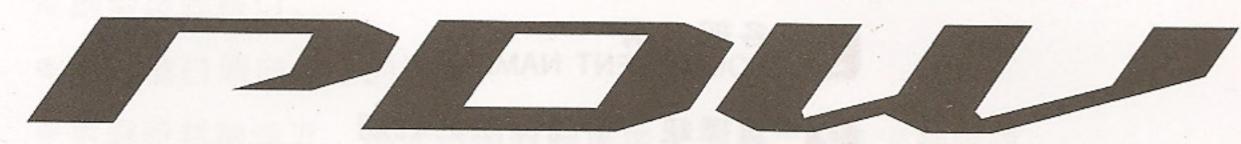
使用説明書

HANDLING CAUTIONS AND INSTRUCTION MANUAL



PERSONAL DEFENSE WEAPON



注意 WARNING

對象年齡十八歲以上 User restricted to 18 years of age or older

使用前請務必詳讀此說明書 Always read through this manual before operation.



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- 電池的安裝 SETTING BATTERY
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準星與照門的調整 SETTING THE FRONT SIGHT AND REAR SIGHT 可動部的説明 MOVABLE PARTS

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- 可變HOP-UP系統説明 VARIABLE HOP-UP SYSTEM
- 故障内容自我診斷 TROUBLE CLINIC



- 請務必帶上護目鏡等護眼用具。
- 請勿射擊人或動物。
- 隨意用BB槍開玩笑可能會觸及法律。
- ●嚴禁望向槍口。
- 請將槍口朝向安全的地方。
- 射擊時無論遠近,隨時確認射擊區内是否有行人或車輛經過。
- 避免任意不經意地扣處扳機。
- 除非完成射擊準備,否則切勿將手指放入扳機。
- 不用或搬運時,請務必放置於槍盒等容器内。
- ●請存放在兒童拿不到的地方
- 禁止擅自改造或加强槍枝結構。
- 非射擊時請將選擇鈕切換到保險位置。
- WISSOLL WINESSO BMISEX
- Always wear eye protective gear.
- Never aim or shoot a person or animal as the target.
- You may be punished if you are shooting for a practical joke.
- Never look into the gun muzzle.
- Always direct the muzzle towards a safe direction.
- Never shoot the air gun at places where people and cars pass cross.
- Avoid pulling the trigger carelessly.
- Please put away your fingers from the trigger, except when you are Ready to shoot a target.
- Always put the gun in a case or bag when you are carrying it.
- Store the gun at places out of reach by children.



PROFILE

The Story of KAC PDW

In mid 80s, US Army developed Personal defense weapon (PDW). It filled a similar role; it was primarily intended not for front line troops, but for others such as drivers, engineers and medics to defend themsekves in an emergency. As it give portable, easily control, and penetration to instead of pistol, submachine gun and assault rifle. In 2006, after FN P90, and H&K MP7, Knight's Armament Company (KAC) announced a submachine gun size with assault rifle fire power advanced weapon-KAC PDW.

KAC PDW has two versions, one with 8 inch barrel and the other with 10 inch barrel. The weight is just around 2kg. Its length with butt stock folded is only 17. 5inchs. It's an ultra lightweight and compact weapon. It fires a 6x35 mm cartridge, and could get an effective range in 300M to pennetrate the body armour. It has two gas pistons tapping hot gas from the barrel to operate its mechanism, located on the top left and right sides of the bolt carrier. The single mainspring is located on top, between the two gas pistons. The bolt itself is said to be similar to an AK-47-type rotating bolt. The specialist looks is the concave circular hole on the barrel surface to reduce the weight and heat. The particular configuration of flash hider is stock plate inside design to suppress the barrel bound up from the fire. The upper receiver integrates the rail hand guard and equips a removable flip up front sight and rear sight. The lower receiver is similar to M4 series; charging handle, magazine catch, bolt catch and selector lever. . . etc are also as the same as M4 series. Therefore, M4 user will use this gun very easier.

With compact size, amazing fire power, easy control and high penetration. . . etc features, the KAC PDW already becomes a rising star in the world of advanced weapon. Surely, the intelligence such as TSWG make the best choice to choose KAC PDW.

KAC PDW 實槍簡介

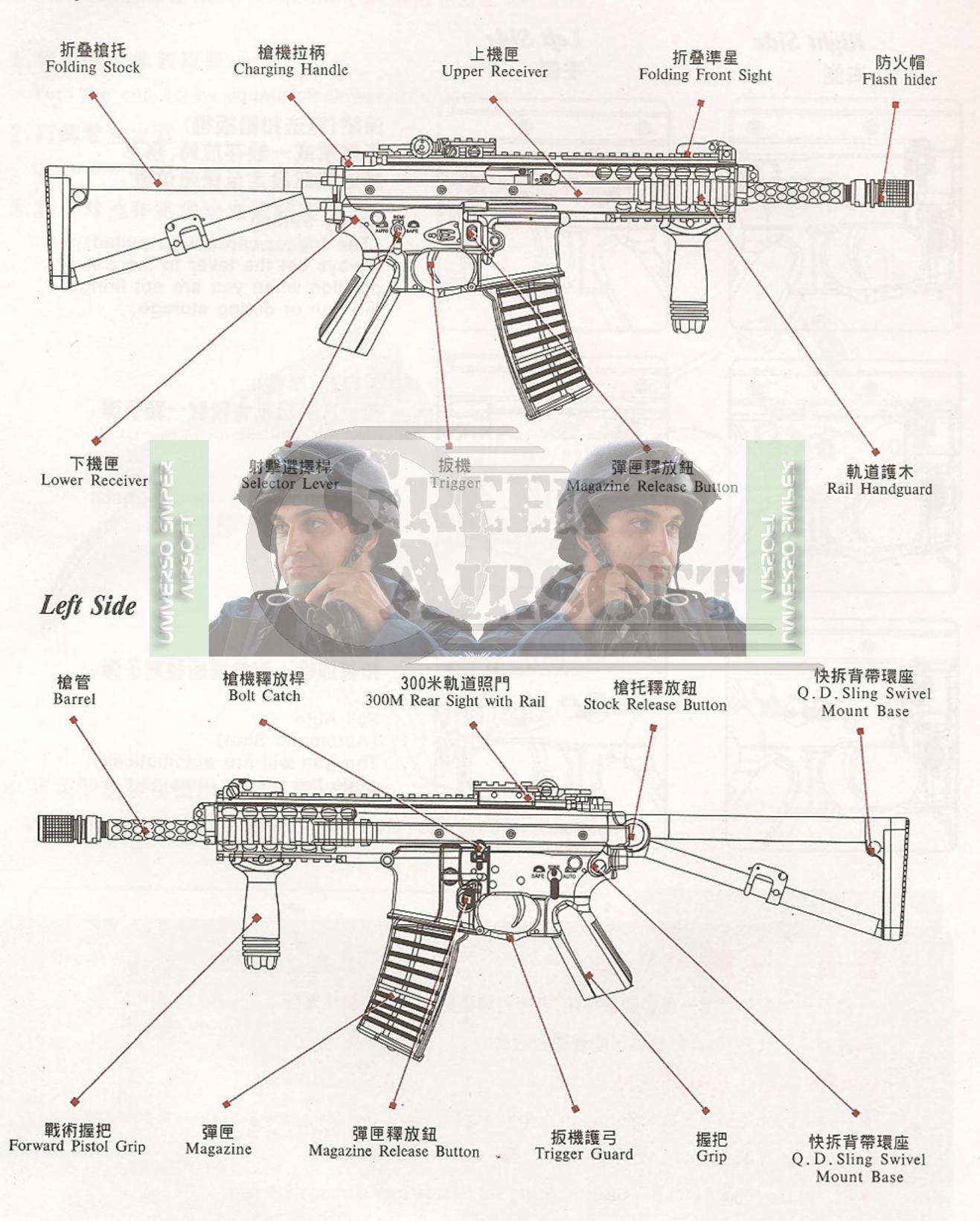
80年代中期,美軍提出「個人防衛武器」 (簡稱POW)的概念、針對后勤單位、駕駛員、工兵等 非一綫的作戰單位,裝配輕便且容易瞄准操作,同時能有效貫穿敵人防彈衣的小型火器,以 取代手槍、衛鋒槍及短突襲步槍。針對這樣的需求,在FN P90、HK MP7等PDW相繼問世之后、 2006年, 奈特軍火公司(簡稱KAC)也正式公開了有著衛鋒槍尺寸, 步槍火力的先進武器-KAC PDW.

KAC PDW分爲八寸管與十寸管兩種版本,重量約兩公斤左右,槍托折叠后的長度僅17寸,非常 的輕巧緊致。而它采用6mmx35的特殊彈藥,射程可達300公尺,具備足够的殺傷力可穿透防彈 衣。内部采用雙活塞導氣式系統,復進簧位于兩組導氣活塞之間,由機匣前端一直延伸到尾 部、槍機系統則是采用AK方式的回轉式閉鎖槍機系統。外型最特殊之處、莫過于槍管上滿布 圓形凹孔, 用以减輕重量與散熱。特殊構型的防火帽, 内有擋板設計, 配合表面數百個氣 孔,可有效抑制槍口上揚。上機匣與前段軌道護木爲一體成型,上有可拆式折叠准星及照 門。而下機匣原則上與M16/M4相似,在槍機拉柄、彈匣卡榫、槍機卡榫及射擊選擇鈕等操作 介面則與M16/M4完全相同。因此, M4的使用者可以快速熟悉這把槍。

由于KAC PDW的輕薄短小,火力驚人,容易操控,再加上極佳的穿透力,無异是先進武器中的 明日之星,也難怪美國最神秘的技術支援工作小組TSWG等情治單位已率先使用。

	八寸版/十寸版 8 / 10 /	KAC PDW	BOYI KNIGHT PDW AEG
	口 C A L	6mm x 35	6mm BB
	全 OVERALL	8" barrel 17.5/26 inch 10" barrel 19.5/28 inch	8" Barrel 442/665 mm 10" Barrel 491/718 mm
	槍 管 長 BARREL	8 inch / 10 inch	8 inch / 10 inch
0	重 WEIGHT	4.3 / 5.1 pound	2350/2390 g
	裝 彈 數 CAPACITY	30 rounds	120 rounds
	槍 口 動 能 VELOCITY	2425 fps (about 1150J)	98 m/s (about 0.96J)

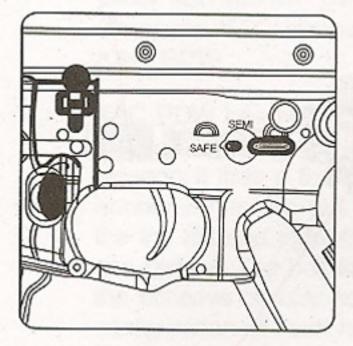
Right Side

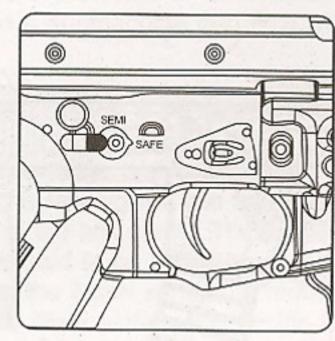


- ※選擇鈕未扳至正確位置有可能會導致射擊模式發生錯誤。
- *Be careful not to catch your fingers in the moveable parts.

Right Side 右側

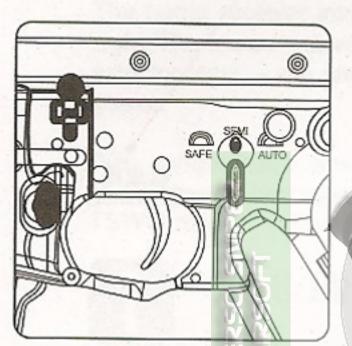


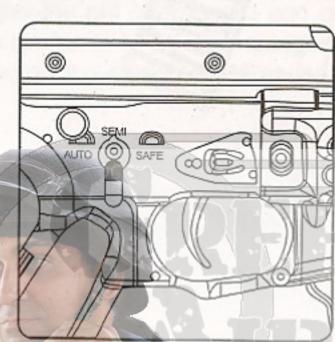




保險(無法扣動扳機) 不射擊或一般存放時,務必 將選擇鈕設定至保險位置。

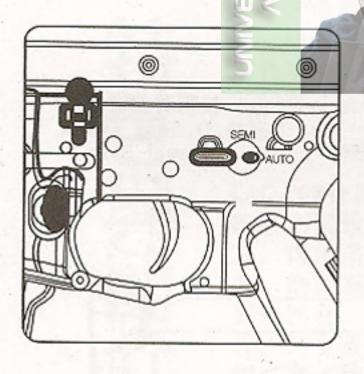
Safety Setting (The trigger can not be pulled) Always set the lever to the Safety position when you are not firing the gun or during storage.

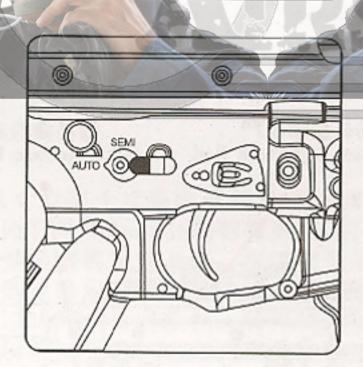




半自動(單發) 扣一次扳機衹會發射一顆子彈。

Semi Auto (Single Shot) The gun will fire one shot each time the trigger is pulled.





全自動(連發)

扣著扳機不放會連續發射子彈。

Full Auto (Automatic Shot) The gun will fire automatically while the trigger remains pulled.

警告・注意

- 請勿一邊扣動扳機一邊扳動選擇鈕,否則將導致動作不良或發生意外。
- 在關保險狀態,强制扣動有可能會導致故障。

WARNING · CAUTION

- Never operation the Selector while pulling the trigger. Otherwise, malfunctions are possible, resulting in accidents.
- Pulling the trigger with the Selector being set to safe may damage the gun.



Setting the Battery 池的安裝

- ※電池必須先行充電完畢。
- ※安裝電池前先卸下彈匣。
- ※The magazine is done under the condition that is removed.
- 1.轉下電池盒蓋旋鈕。

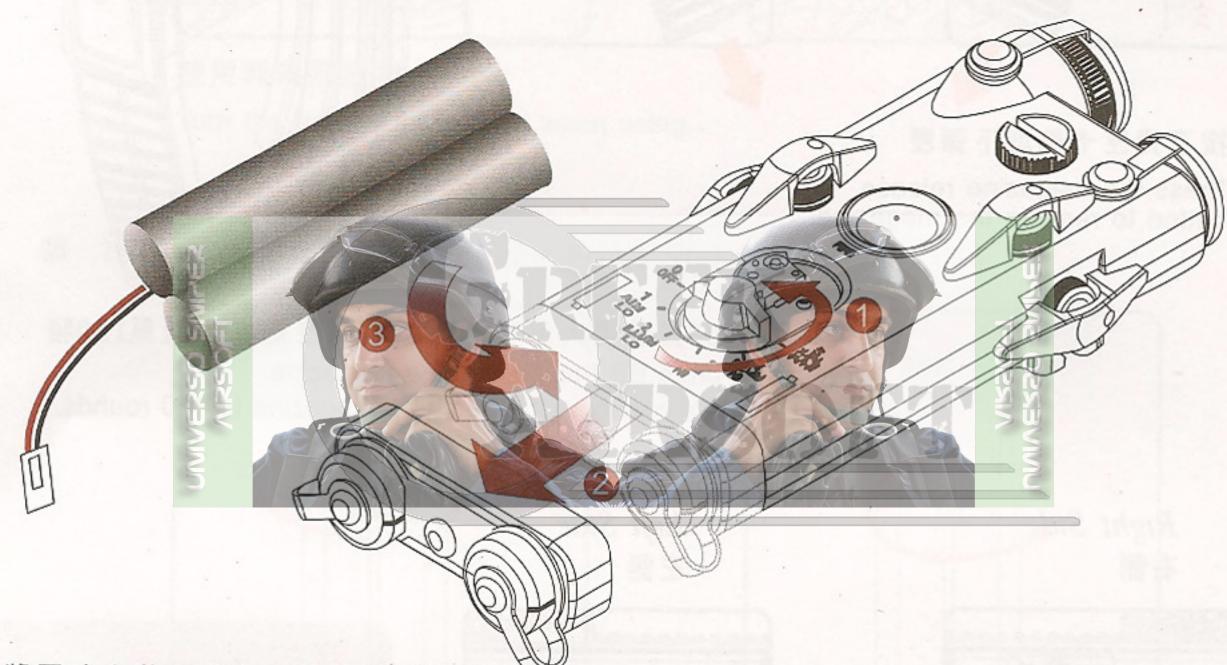
Turn the cap screw counterclockwise to detach it.

2.打開電池盒蓋。

Open the cap.

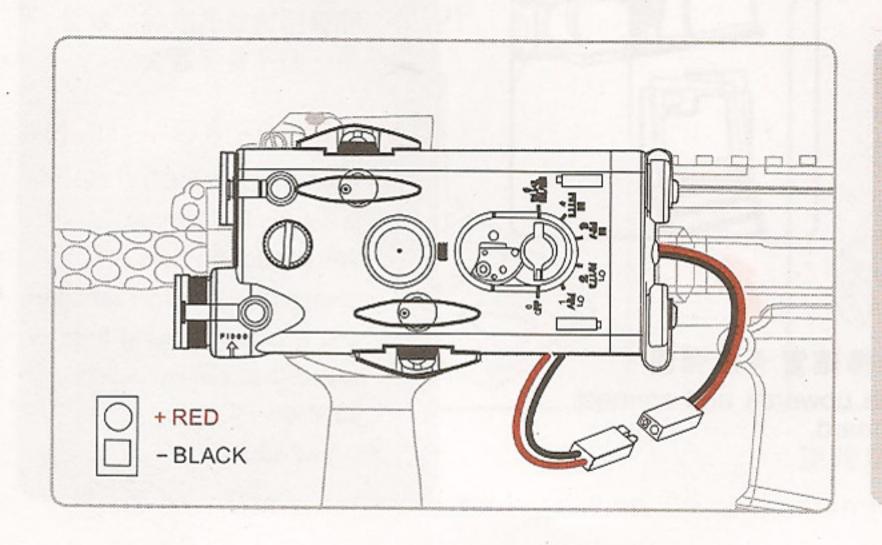
3.塞入電池并將電池盒蓋裝回。

Insert the battery and close the cap.



4. 將電池盒裝在護木上并將電綫接上。

Install the battery box on the hand guard, then connect the connectors.



警告・注意

電池安裝時,請將槍口朝 向安全的位置,并將選擇 鈕設定於保險位置。

WARNING . CAUTION

Direct the muzzle towards

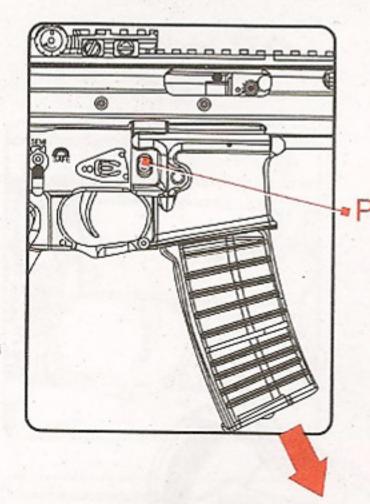
 a safe direction and set
 the selector lever to the
 Safety position.

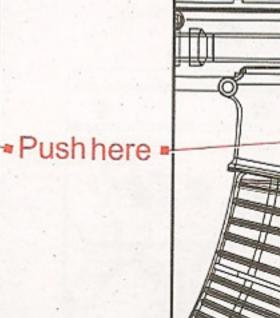
5 理 Setting the Magazine 匣的安裝

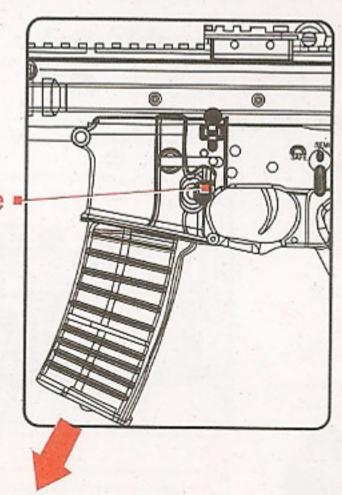
- ※可使用PDW專用彈匣或M系列彈匣。
- XYou can use the PDW type magazine or the M4 series magazine.

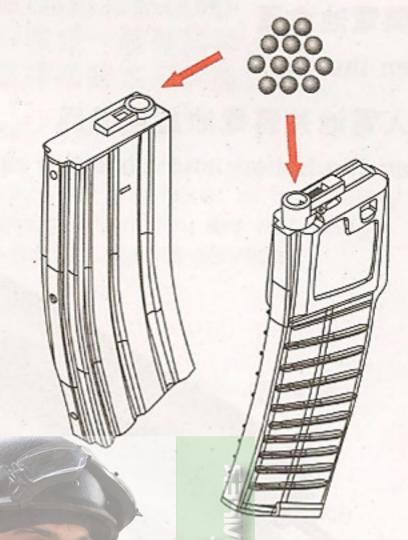
Right Side 右側

Left Side 左側









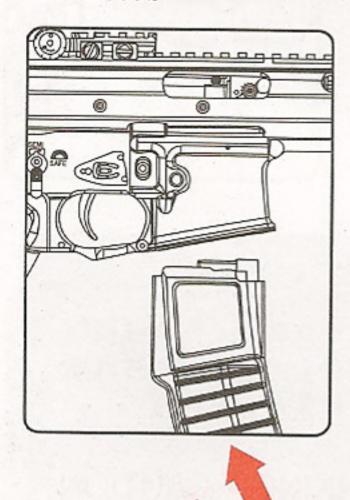
1.按下彈匣卡榫取下彈匣

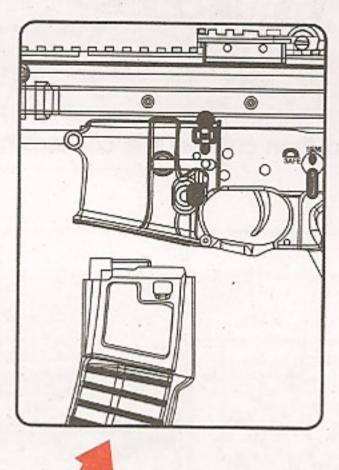
Press the magazine release button to remove the magazine.

2.將6mmBB彈裝填入彈匣, PWD專用彈匣最大容量爲120發 Insert 6mm BB bullets into the magazine. The MAX capacity of PDW type magazine is 120 rounds.

Right Side 右側

Left Side 左側





3. 垂直插入彈匣并確認彈匣卡榫確實卡住彈匣 Make sure to set the magazine upwards and connect it firmly until a click sound is heard.

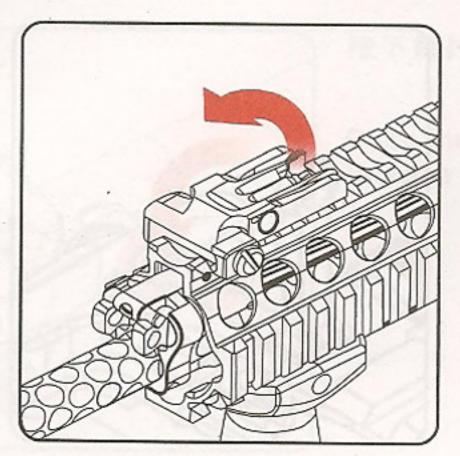
警告·注意

· 請使用BOYI制BB彈 若因使用其他品質粗劣之 BB彈所造成的故障,本公 司一概不負保固責任。

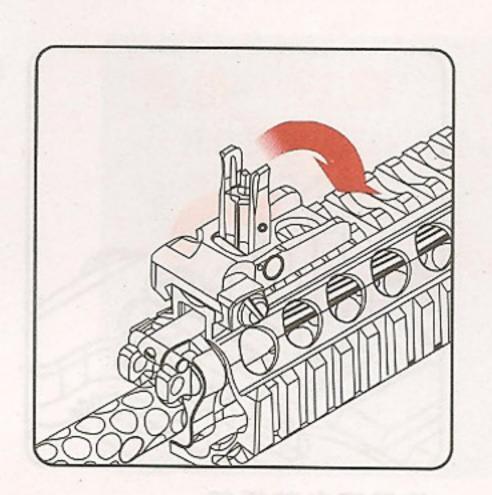
WARNING . CAUTION

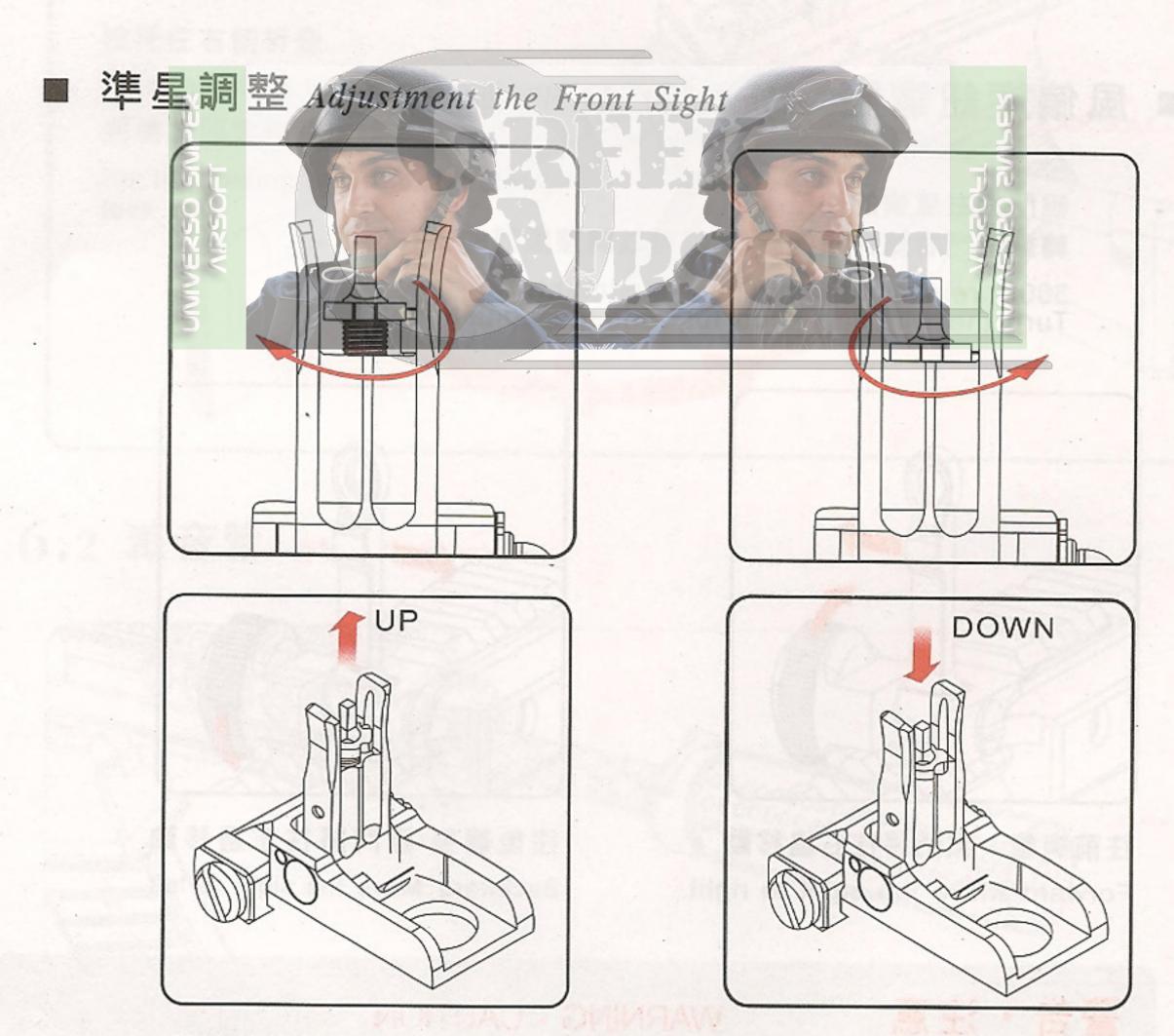
Always use the BOYI BB
 bullet for this air gun.
 We will not be held
 responsible for any damage
 and accidents arising from
 use of bad quality bullets
 supplied by other
 manufacturers.

■ 折叠準星 Use the Front Sight



使用時向前折起 Turn the front sight to front when using.



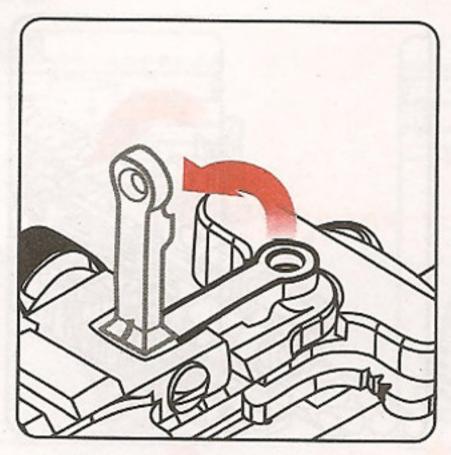


順時鐘旋轉上升 Turn it Clockwise will to raise up.

逆時鐘旋轉下降 Turn it to lower down.

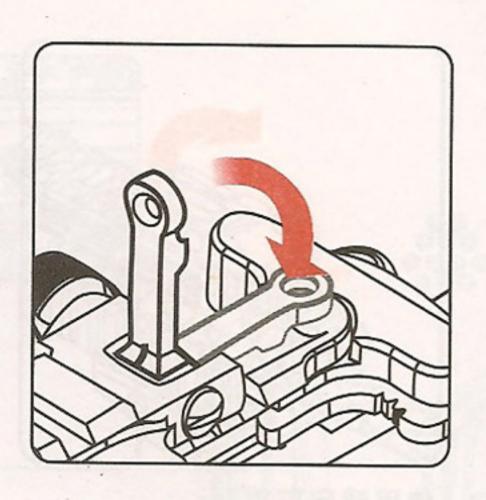
6-2 日子 Setting the Rear Sight 的調整

折叠照門 Use the Rear Sight



使用時向前折起

Turn the rear sight to front when using.

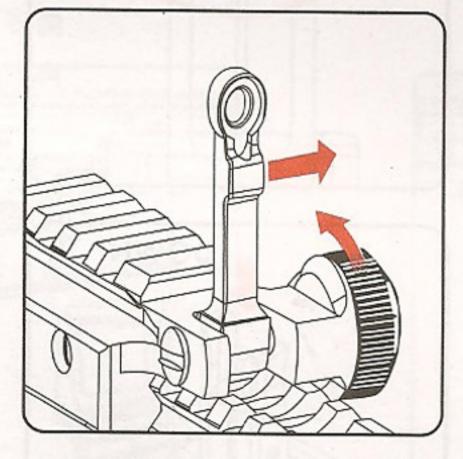


風偏旋鈕調整 Adjustment the Windage Knob

照門左右風偏的調整:

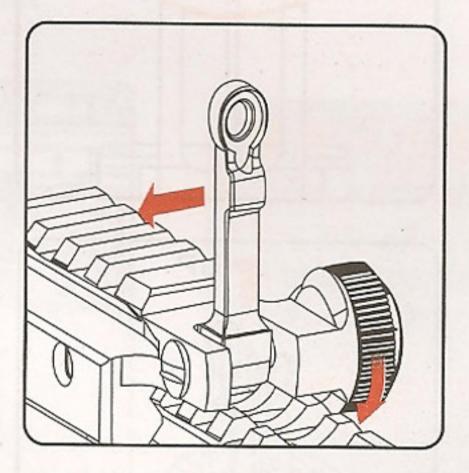
轉動照門右側的風偏旋鈕,就可以調整照門的左右位置。

300M rear sight windage adjustment:
Turn the windage knob for windage adjustment.



往前調整:照門將往右邊移動

Forward: Move the sight to right.



往後調整:照門將往左邊移動

Backward: Move the sight to left.

警告・注意

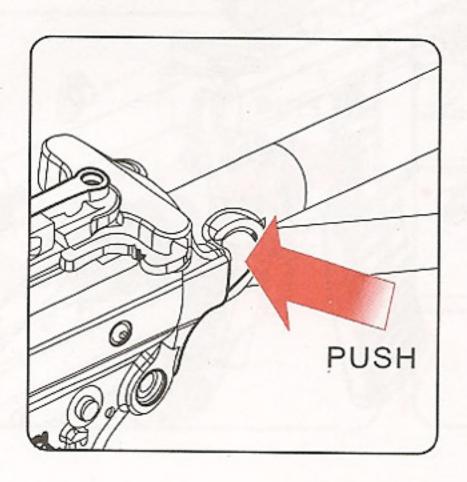
• 旋轉照門請小心勿被夾傷。

WARNING . CAUTION

Be carefully and don't get hurt when turning the rear sight.

7 可動部與配件的説明

■ 6.1 折叠槍托 Folding Stock



按下槍托釋放鈕

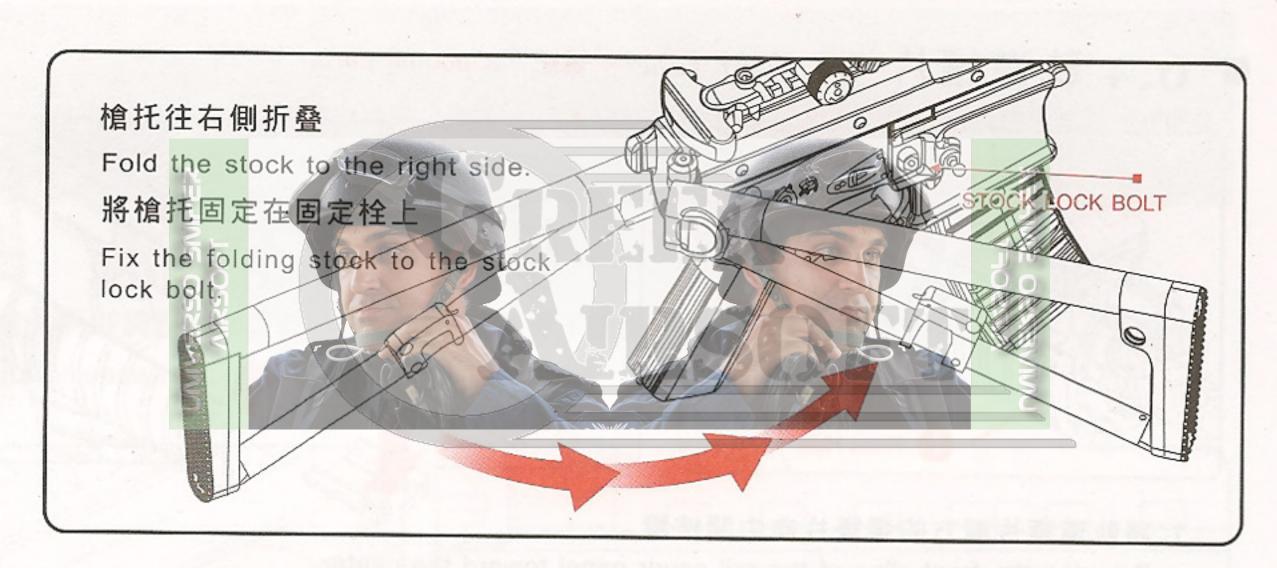
Push the stock release button

警告・注意

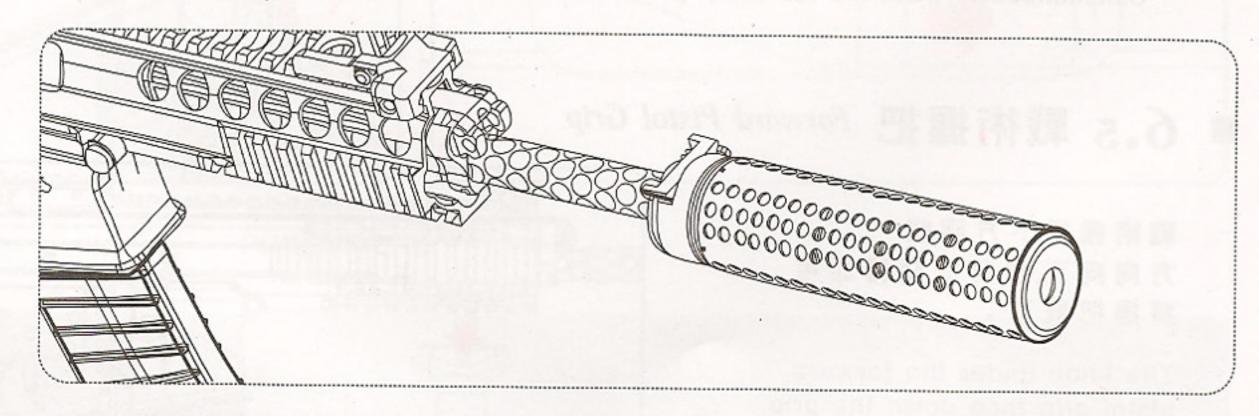
•操作折叠槍托時,請小心 勿被敲托夾傷。

WARNING · CAUTION

 Be carefully and don't get hurt when using the folding stock.



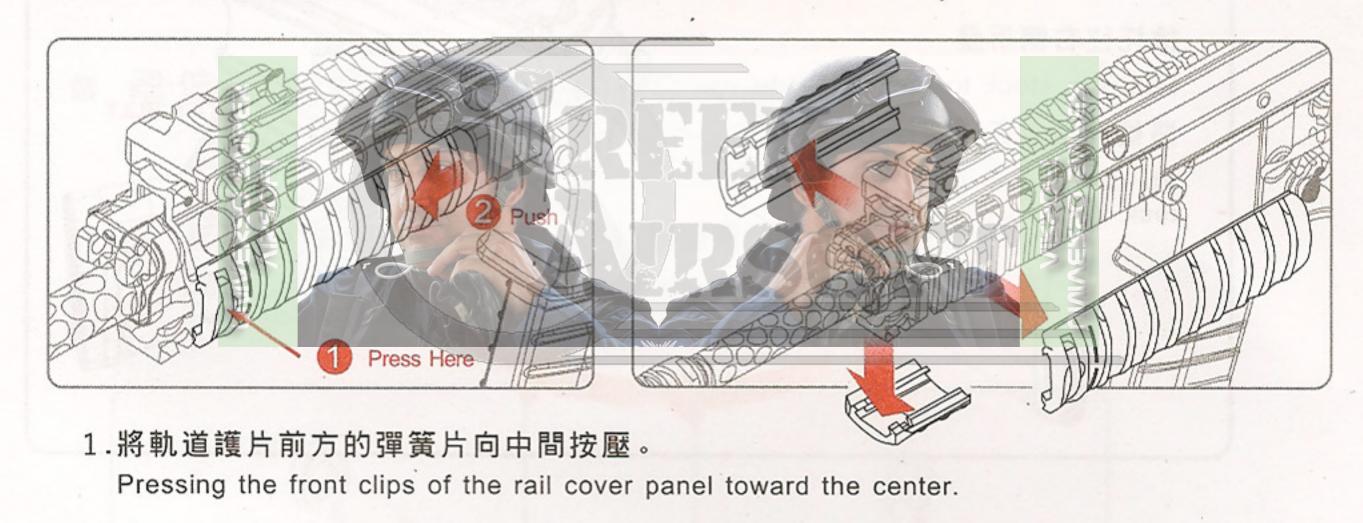
■ 6.2 滅音管 選配 / Optional parts



可安裝PDW專用NT3快拆滅音管於防火帽上 You can attach the NT3 Q. D. suppressor on the flash hider.



■ 6.4 軌道護片 Rail Cover Panel 選配 / Optional parts



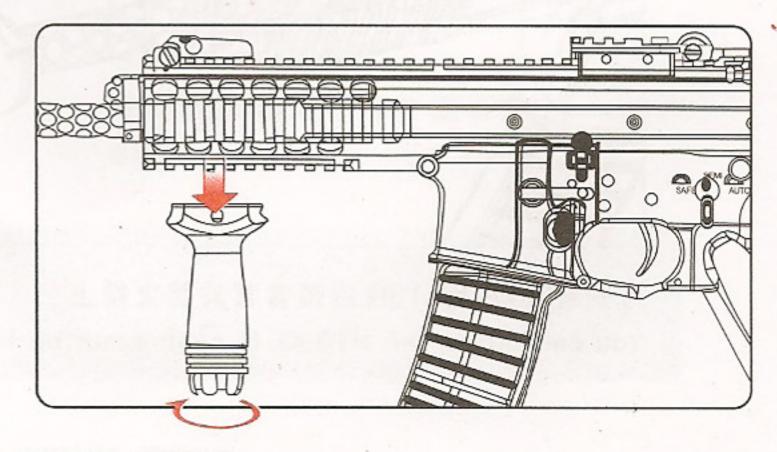
2.同時將軌道護木往前推,即可取出。 Simultaneously, push the rail cover panel forward and it can be taken out

■ 6.5 戰術握把 Forward Pistol Grip

戰術握把下方旋鈕: 方向向下,順時針旋轉即可 將握把取下。

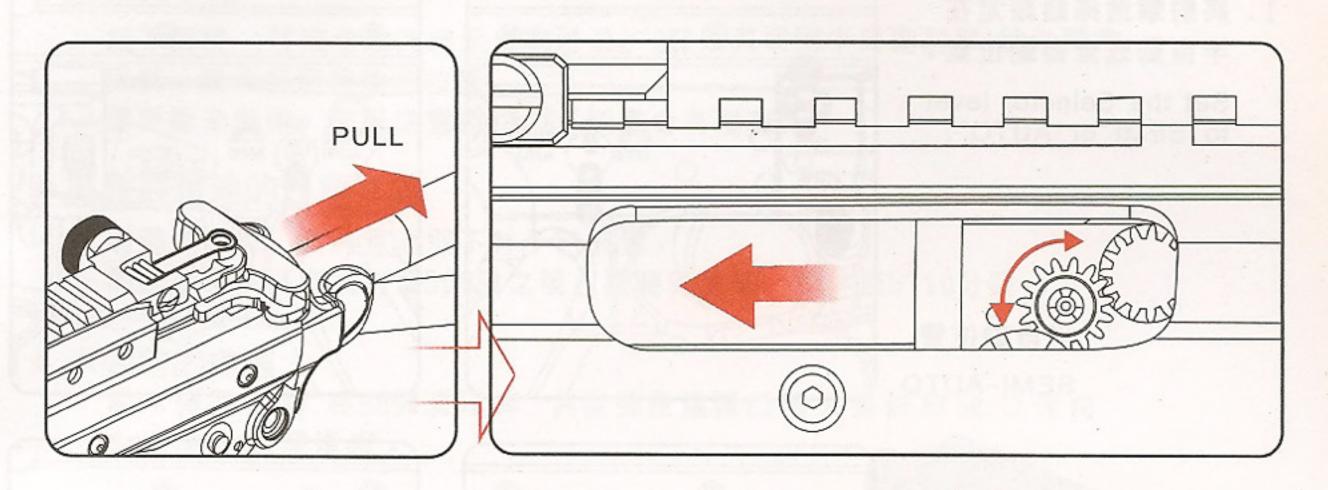
The knob under the forward pistol grip face down the grip, twist clockwise and then the grip can be taken out.

選配 / Optional parts



■ 6.6 槍機拉柄與槍機釋放 Charging and Bolt Catch

槍機拉柄可向後拉動,拉動槍機拉柄可使槍機固定在後,并露出HOP-UP調整鈕。 The charging handle can be pulled and the dummy bolt will be fastened.



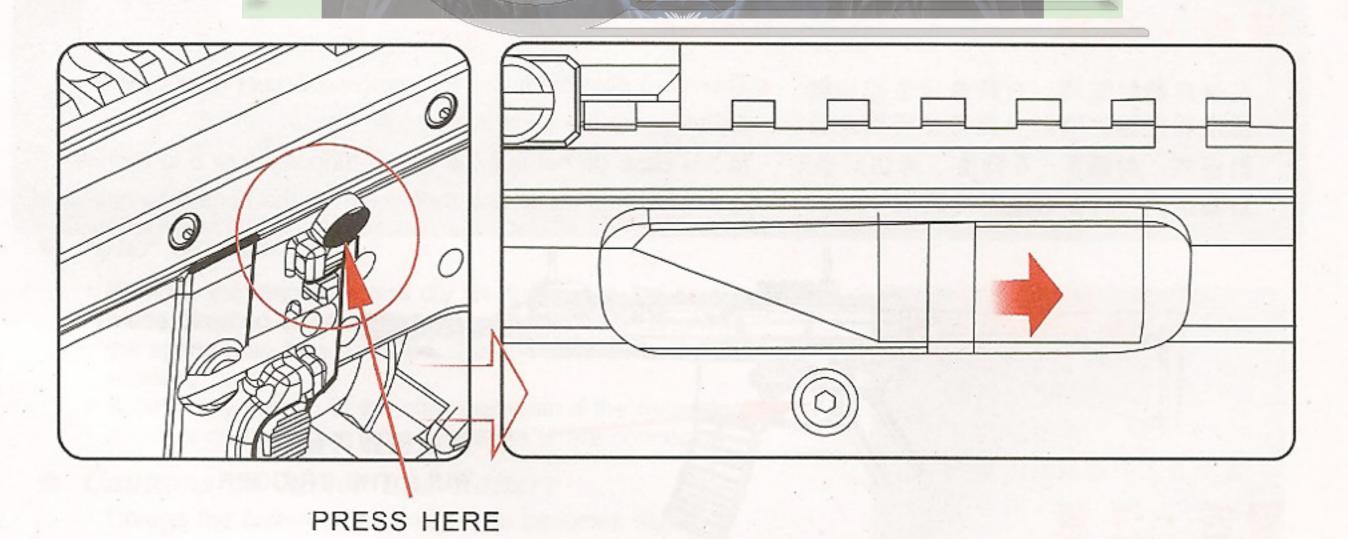
警告・注意

當槍機拉柄處於拉出狀態時,請勿 將槍機拉柄推回,以免造成故障。

WARNING . CAUTION

 Don't push the charging handle forward while charging handle in the rear position.

當HOP-UP調整完畢要將槍機歸位時只需押下槍身左側的槍機釋放桿即可。
To Release bolt, just press the bolt catch.



警告・注意

釋放槍機時,請小心勿被 夾傷。

WARNING . CAUTION

Be carefully and don't get hurt when press the bolt catch.

8 射 Firing

※確認完全安全的情况下,方可進行射擊。

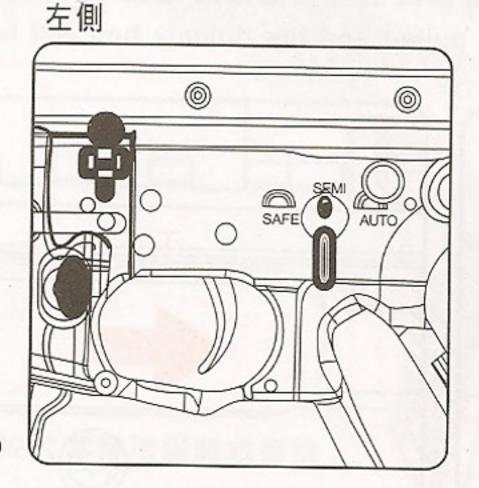
Left Side

**Confirm safety sufficiently before beginning firing.

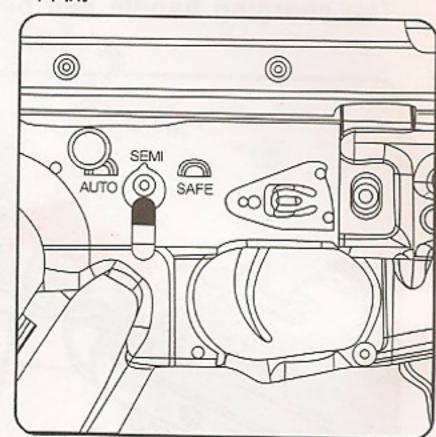
1. 將射擊選擇鈕設定在半自動或全自動位置。

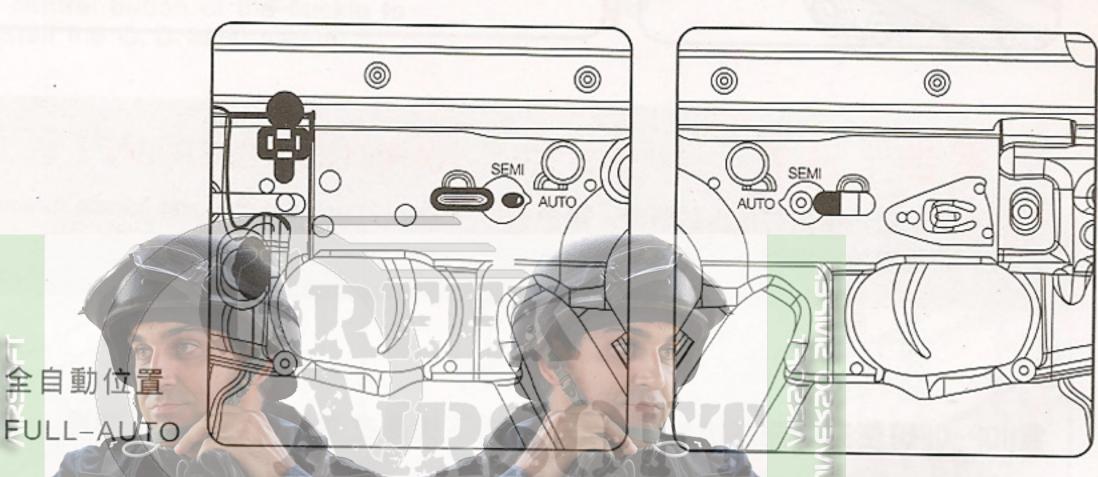
Set the Selector lever to "SEMI" or "AUTO".

半自動位置 SEMI-AUTO



Right Side 右側



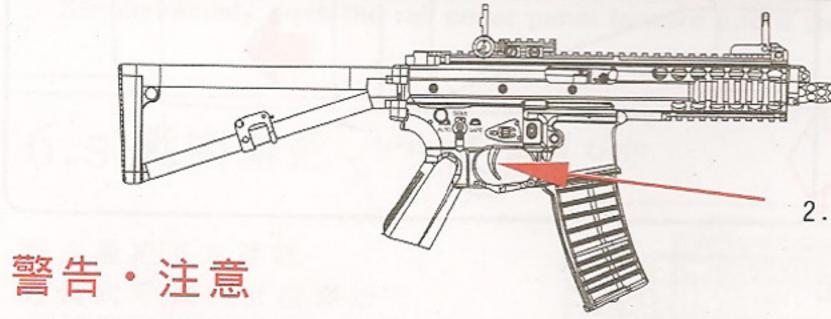


警告・注意

在半自動射擊時,有時會發生扣扳機却没有反應的情形。此時切換到全自動模式,射擊5~6發後,再切回半自動模式,將會恢復正常運做。

WARNING . CAUTION

 There are possible cases that no firing occurs after pulling the trigger in the semi auto mode.
 In this case, do not pull the trigger furiously. Fire 5 to 6 shots in the full auto mode and then return th the semi auto operation.



- 扣扳機即可發射。
 PULL THE TRIGGER
- 隨意扣動扳機非常危險,在確認射擊之前,請勿將手指放在扳機上。
- 裝上彈匣後,扣扳機第一發有可能是單發,此并非故障。

WARNING . CAUTION

- Activating the trigger carelessly is extremely dangerous. Never put your finger onto the trigger unless you are ready to shoot a target.
- A blank firing may occur at triggering after setting the magazine, this is the normal operation of the gun.



8 射 Firing

● 射擊終了時

- ·拨下彈匣,往安全的方向全自動涉及2~3發,再切到半自動射擊1發以釋放彈簧,最後切回保險的位置。
- 彈匣雖未裝彈, 但須注意槍膛內可能還會有殘彈。

● 馬達與電池的注意事項

- 射速减緩時,請將電池取下并予已充電。
- ·馬達與電池在連續射擊500發之後,爲避免過熱,請休息5~10分鐘。

● 卡彈時的處理

·當卡彈發生時,將BB彈清理掉,并從彈匣進彈口噴入些許矽油,以保持 含彈橡皮的潤滑度。



After Operation

- Remove the magazine and dry fire the gun in the semi auto mode directing the muzzle to a safe direction. (Otherwise, the spring may be weakened.) Set the selector to the safe position.
- Bullets may remain in the chamber even if the magazine contains no bullets (or if the magazine is not connected).

• Cautions on Motor and Battery

- Charge the battery if the firing cycle becomes slow.
- give the air gun a rest for 5 to 10 minutes after firing about 500 rounds, in order to ensure long service lives of the motor and battery.

When Bullets are Clogged

• If bullets are clogged, remove them and apply a few drops of silicone oil into the chamber from the magazine entrances or spray silicone oil for 0.5 to 1 sec to obtain smooth continuous firing.

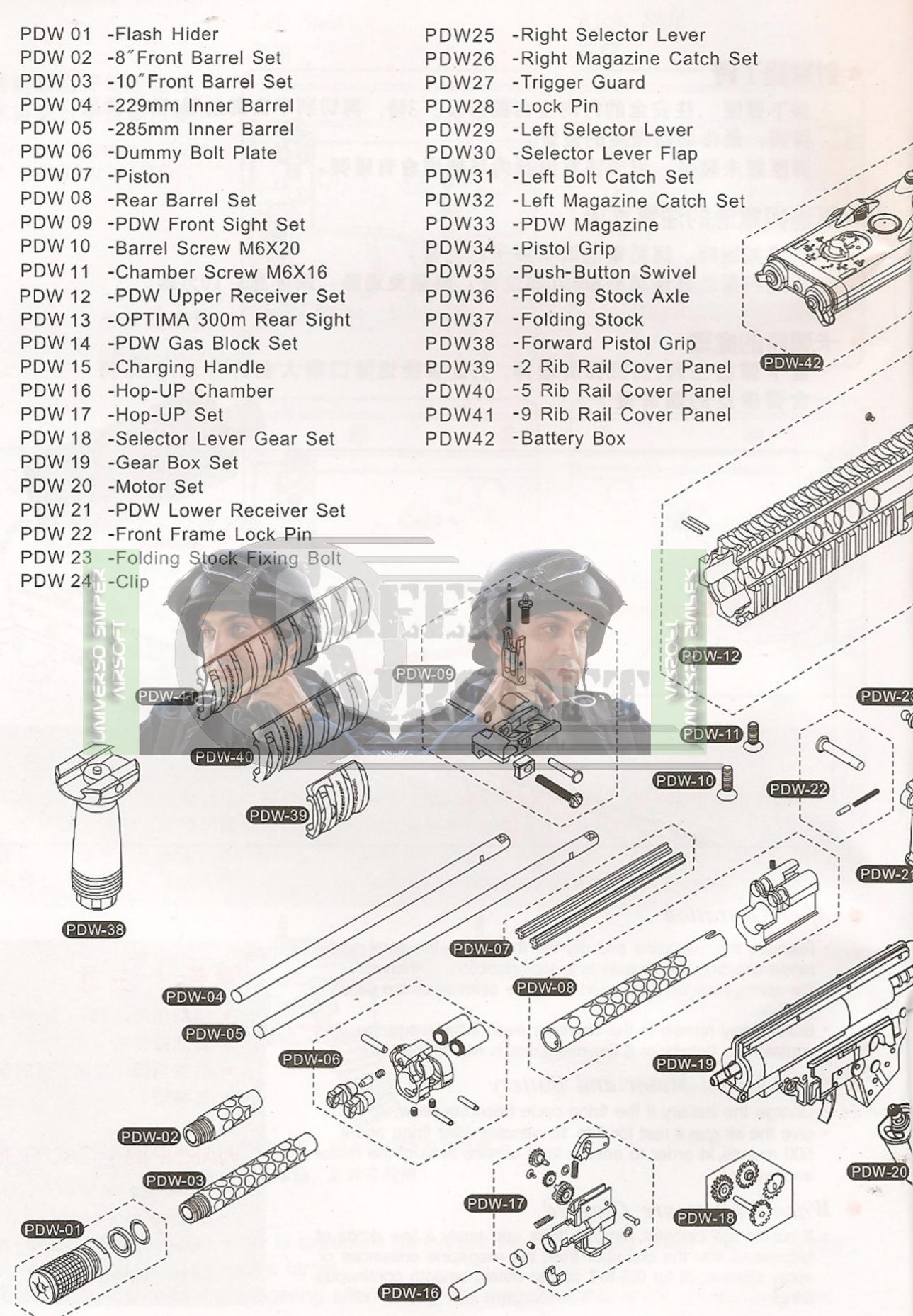
警告・注意

- 請勿使用WD40、CRC556或 其他礦物油。
- 射擊前請注意第二頁的警告事項。

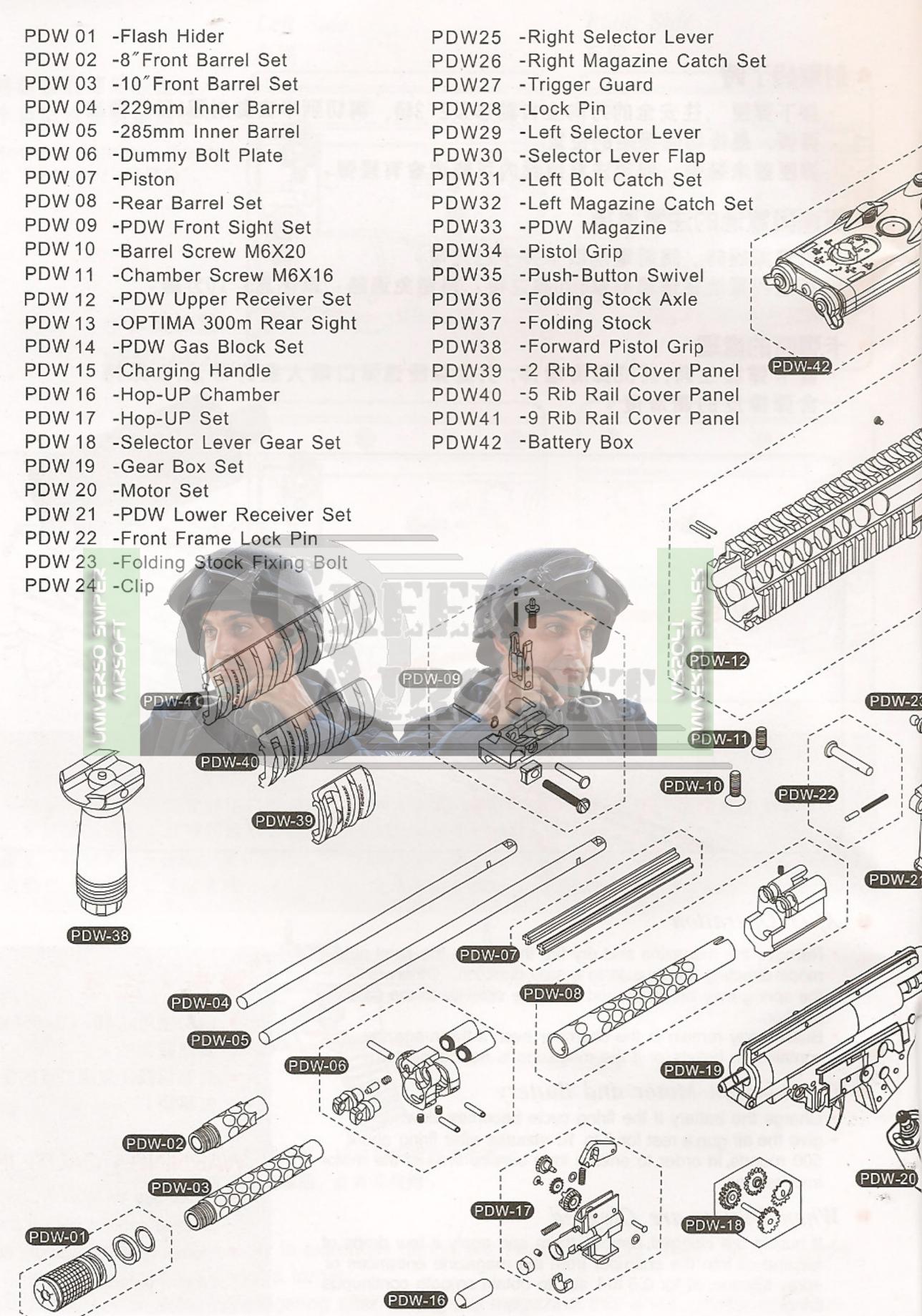
WARNING • CAUTION

- Never use WD40, CRC556 or other mineral oil.
- Please read the warning on page 2 before shooting.

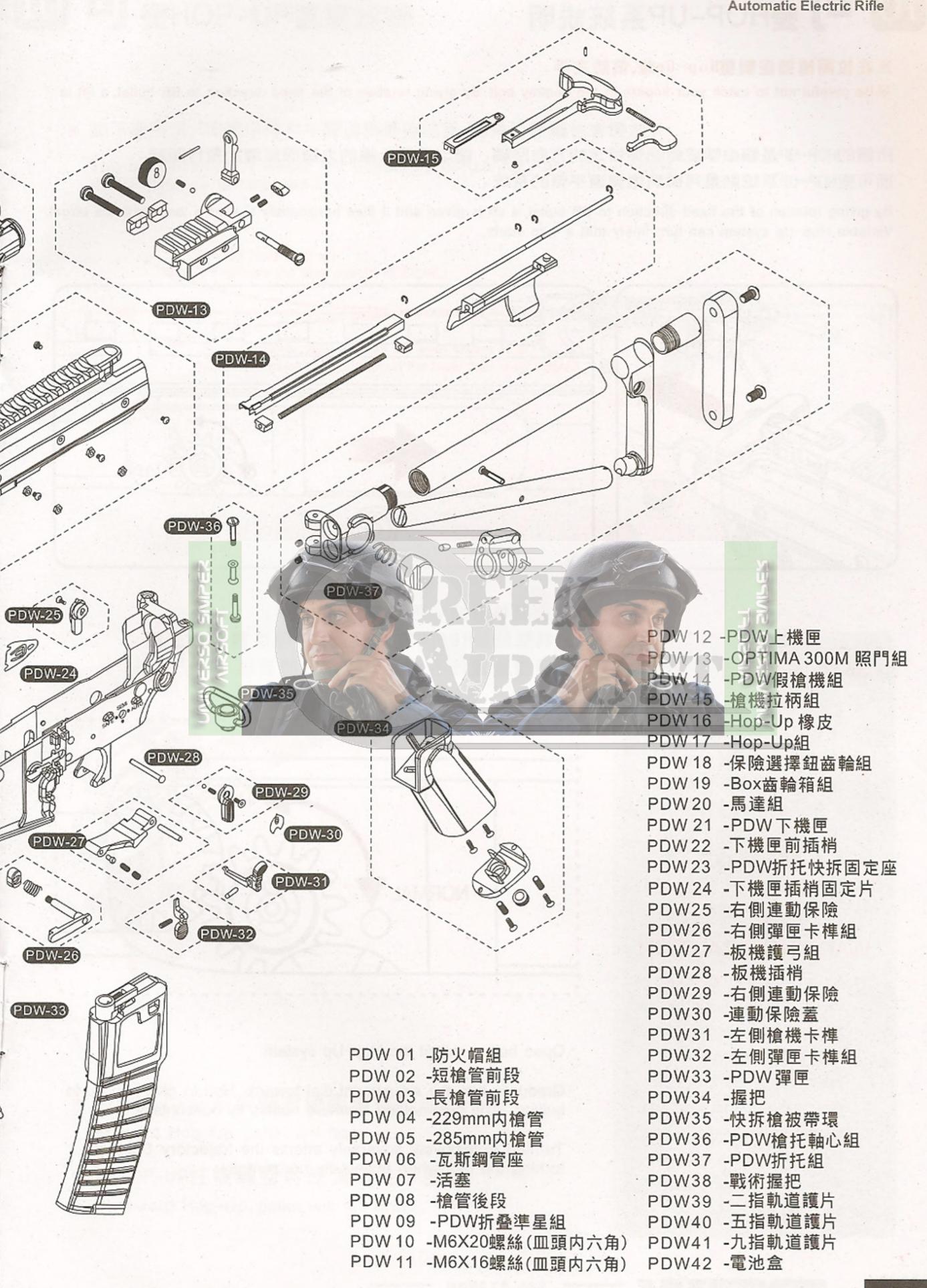
9 分 Parts List 解圖、零件表



9 分 Parts List 解圖、零件表



BOYI Company Automatic Electric Rifle

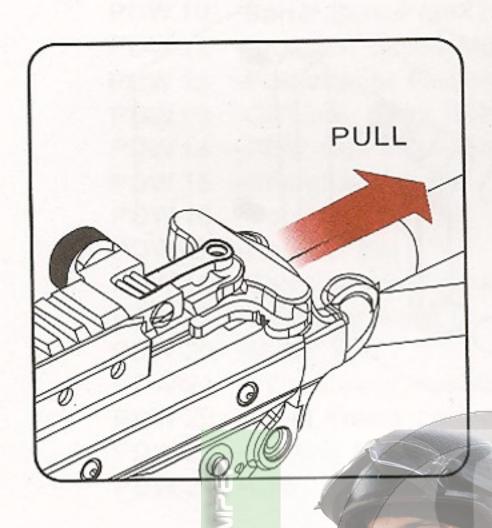


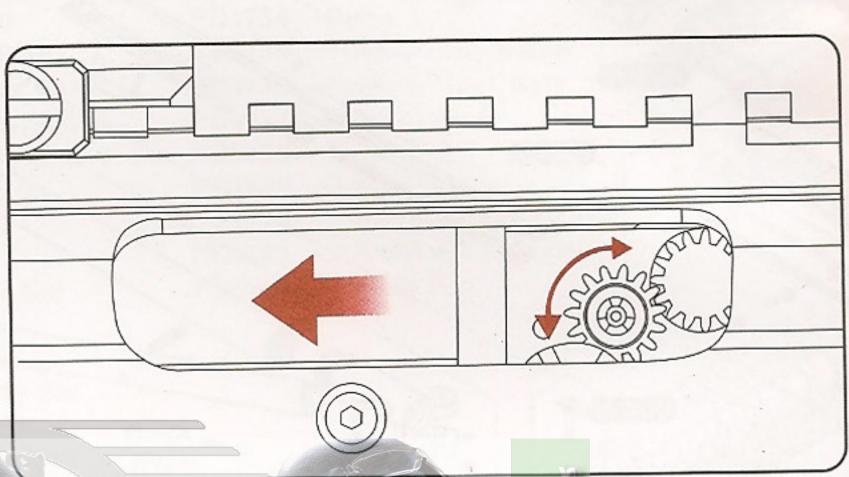
※在拉開槍機座調整Hop-Up時,慎防夾手。

*Be careful not to catch your fingers in the dummy bolt. By giving rotation of the fixed direction to BB bullet, a lift is

所謂的HOP-UP是籍由橡皮給BB彈特定的方向回轉,使之保持上揚的力道而能增加飛行距離。 而可變HOP-UP系統則是可微調讓彈道平整的系統。

By giving rotation of the fixed direction to BB bullet, a lift is given and it flies horizontally toward a long distance target. Variable Hop-Up system can turn finely that a spin starts.



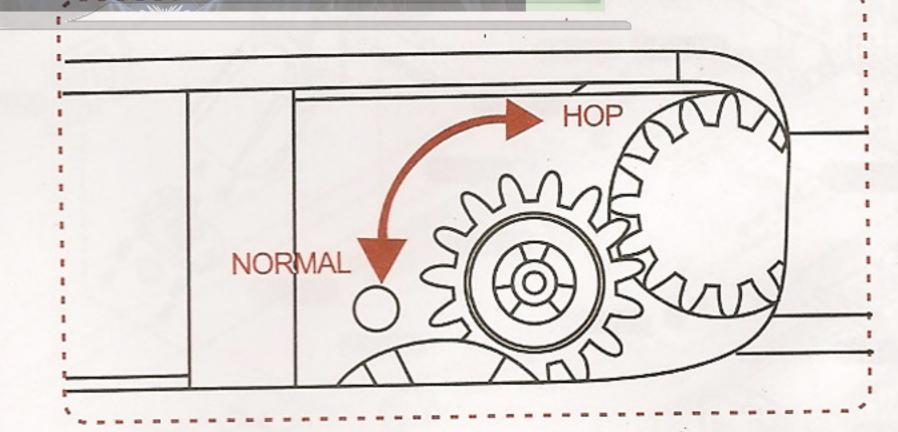


• Hop-Up調整過頭會造成 卡彈。

> 卡彈時持續擊發則會造 成齒輪箱内部零件損毀 。所以調整過頭時而造 成卡彈時,請停止射擊 ,并將Hop-Up釋放,重 新調整。

WARNING . CAUTION

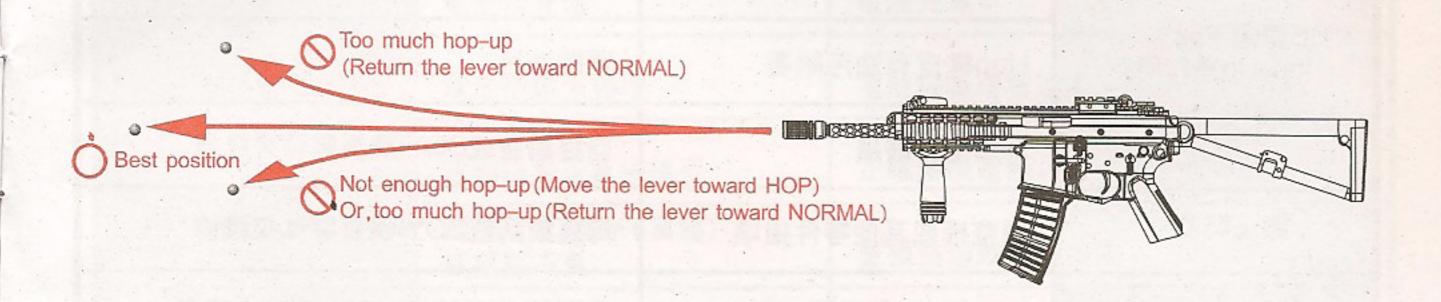
 Moving the dial too much towards Hop causes bullets to clog. Adjust again after stopping shooting immediately, returning the dial to the Normal side and canceling hop, since a piston and gears will be damaged, if it continues shooting then. 拉開槍機時,可以調整HOP-UP。 。調整鈕往HOP的方向旋轉,則可以讓彈道上揚。 調整過頭或不足會影響彈道的表現。



- · Open bolt to adjust the Hop-Up system.
- Gradually turn the adjustment dial towards Hop to give hop up to bullets. (The best setting is where bullets fly horizontally.)
- Turning excessively adversely affects the trajectory. So, stop turning the dial when bullets fly horizontally.

如下圖所示, BB彈保持水平彈道爲最佳位置, 而飛行距離也會增加。

The best position is where the bullets fly horizontally and the longest flying distance is obtained.





- 將HOP-UP往前調整會使彈道往上漂。 Forward Hop-Up, pellet will float up.
- 將HOP-UP往後調整可使彈道往下墜。 Backward Hop-Up, pellet will fall down.

Hop-Up系統會造成彈道 彎曲。若槍倒下來射擊 時, BB彈會大幅度往左 右邊飛行而造成危險。 所以請保持正常的射擊

● 當射擊10000發以上,可 噴少許矽油在Hop橡皮以

WARNING . CAUTION

- Never hold the gun sideways as the BB bullets will curve right or left. This is due to the Hop-Up system.
- When about 10,000 rounds are fired, spry silicone oil to the chamber for 0.5 to 1 sec.

狀態	原因	處理方法
彈著上飄	Hop-Up調整過頭	調整桿往前調整
	Hop-Up調整過頭	調整桿往前調整
BB彈飄不起來 (Hop-Up無作用)	Hop橡皮有油污附著	清除油污
	.Hop橡皮破損	向經銷商或BOYI購買零件來維修
無法調整	調整桿或其他零件損壞	向經銷商或BOYI購買零件來維修
	Hop-Up調整過頭	調整桿向前調整,解除後再度調整
卡彈	BB彈不良	請使用BOYI優質BB彈
	Hop橡皮臟污	清除臟污

Symptom	Cause	Action
Bullets flying upwards	Too much hop setting.	Gradually return adjustment lever towards Normal.
	Too much hop setting.	Gradually return adjustment lever towards Normal.
Short flying dis- tance of bullets (less hop-up effect)	Hop packing contaminated by oil or dirt.	Clean using the cleaning rod or consult your dealer or BOYI for repair
	.Worn or damaged hop packing.	Purchase the replacement part at your dealer or from BOYI and replace it.
Can not adjust	Damaged adjustment lever or other parts	Purchase the replacement part at your dealer or from BOYI and replace it.
Frequent bullet	Too much hop setting.	After the adjustment lever is returned to anormal side, and the hop is released, it adjusts again.
clogging	Improper or too large sized BB bullets.	Use the BB bullet supplied by BOYI.
	Dirty hop packing	Clean using the cleaning rod or consult your dealer or BOYI for repair.

Trouble Clinic (trouble shooting) 障排除

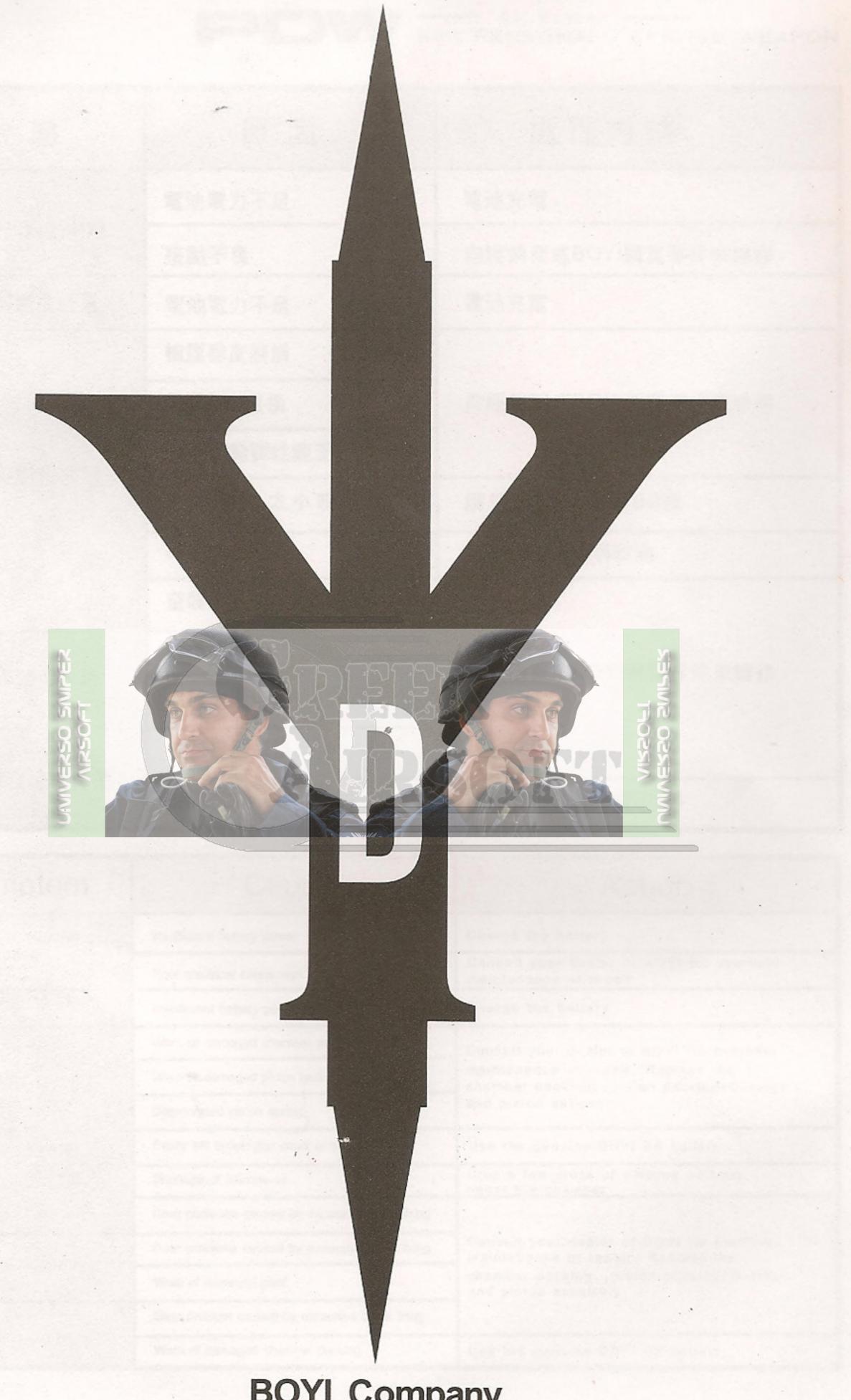
狀態	原因	處理方法
	選擇鈕位于關保險位置 開保險。	開保險。
	電池未充電	電池充電。
無法動作	電池接頭未連接	電池接頭確實連接。
	電池接頭正負極接反	正確連接電極。
	馬達老化(約5~6萬發) 或接點不良	更换馬達或修理接點。
	彈匣内BB彈卡彈	清除彈匣内的卡彈
馬達有轉動但 BB彈無法擊發	槍膛内BB彈卡彈	清除槍膛内的卡彈
N T	滋輪損壞	向經銷商或BOYI購買零件來維修
	電池充電。	
無法全自動射擊	彈匣給彈不良	清除彈匣内的卡彈。
無法半自動射擊	齒輪未正確歸位	切到全自動射擊5~6發後,再切成半自動射擊。

Symptom	Cause	Action
	Selector lever is set to safety.	Set the selector lever to fire.
	Battery is no charged.	Charge the battery
	Battery connector is disconnected.	Connect the connector
No operation at all	The+and-of battery connector is reversed.	Connect the connector correctly
	Fuse is blown out.	Replace the fuse.
Although motor is	the magazine zine and	Insert the charging ord into the maga- zine and move it up and down a few times to remove clogged bullets.
revolving gun does't fire	Bullets are clogged in the chamber.	Remove clogged bullets using the cleaning rod.
	Faulty gear	Purchase the replacement gear from your dealer or BOYI and repair
Malfunction of full auto operation	Insufficient battery power	Charge the battery
(automatic firing)	Faulty bullet feed of magazine	Repair clogging of the magazine.
Malfunction of semi- auto operation	Poor electrical connection	Consult your dealer or BOYI for overhaul maintenance or repair



狀態	原因	處理方法
を こ	電池電力不足	電池充電。
無法半自動射擊	接點不良	向經銷商或BOYI購買零件來維修。
連射速度低落	電池電力不足	電池充電
	槍膛橡皮磨損	
	氣筒0環磨損	向經銷商或BOYI購買零件來維修
BR彈射程變短	BB彈射程變短 氣筒彈簧彈性疲乏 BB彈不良,太小或太重 請使用BOYIG	
· DDJ+311E3230		請使用BOYI優質BB彈
	矽油耗盡	在槍膛添加數滴矽油
空	空襲太過造成齒輪异常	
動作聲音异常	齒輪損壞	- 向經銷商或BOYI購買零件來維修。
到上面目的	空襲太過造成齒輪异常	
DD部 纵 te C	槍膛橡皮磨損	N S S S S S S S S S S S S S S S S S S S
BB彈從槍口掉落	BB彈太小	請使用BOYI優質BB彈

Symptom	Cause	Action
Malfunction of semi-	Insufficient battery power	Charge the battery
auto operation (single shot)	Poor electrical connection	Consult your dealer or BOYI for overhaul maintenance or repair
Automatic firing cycles become slow	Insufficient battery power	Charge the battery
	Worn or damaged chamber packing	Consult your dealer or BOYI for overhaul maintenance or repair. Replace the chamber packing, piston packing (O-ring) and piston assembly.
	Worn or damaged piston packing (O-ring)	
	Deteriorated piston spring	
Shooting distance becomes shorter	Faulty BB bullets (too small or heavy)	Use the genuine BOYI BB bullets.
	Shortage of Silicone oil	Drop a few drops of silicone oil from under the chamber
	Gear problems caused by excessive blank firing	Consult your dealer or BOYI for overhaul maintenance or repair. Replace the chamber packing, piston packing(O-ring) and piston assembly.
	Gear problems caused by excessive blank firing	
Overly loud operating noise	Worn of damaged gear	
Dullata fallia a	Gear problem caused by excessive blank firing	
Bullets falling out from barrel end	Worn of damaged chamber packing	Use the genuine BOYI BB bullets.



BOYI CompanyAutomatic Electric Rifle