

**LUXAIR.**

# AIR MODEL FIREARMS

Cal. 6mm synthetic ammo

# USSR-11

UNIVERSO SNIPER  
AIRSOFT



## HA-231 Series

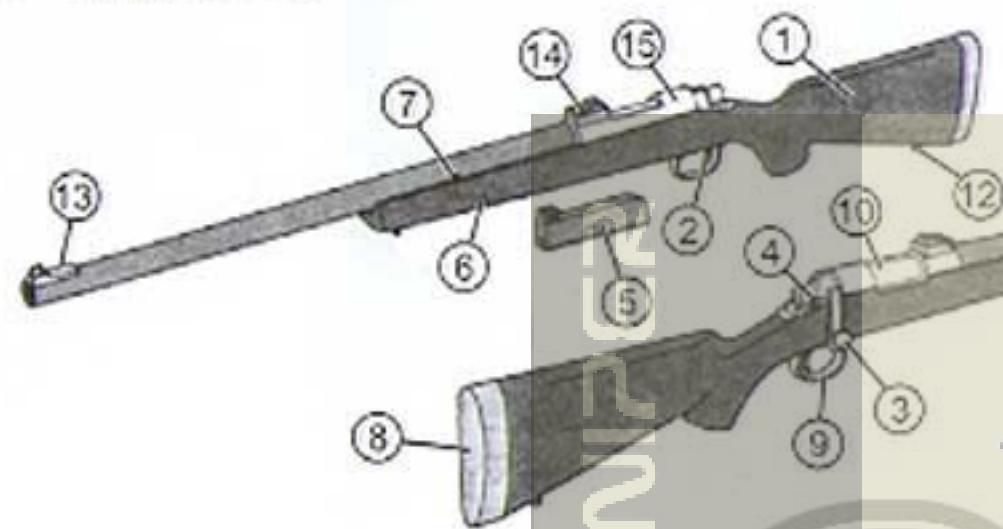
**1/1 SCALE HIGH PERFORMANCE ASSEMBLED**  
Made in TAIWAN FOR AGE 18 YEARS OR OLDER





# 1 各部名稱與組裝說明 Name of Parts and Assembly Instruction

## 各部名稱 Name of Parts



No.	名稱	
①	Stock	槍托
②	Trigger	板機
③	Bolt Handle	槍栓拉柄
④	Safety lever	安全裝置
⑤	Magazine	彈匣
⑥	Magazine Catch Button	彈匣卡筭
⑦	Hop-Up Adjustment Lever	調整裝置
⑧	Butt Plate	槍機底板
⑨	Trigger Guard	板機護弓
⑩	Cylinder Assy	氣室總成
⑪	Front Sling Pin	前背帶環
⑫	Rear Sling Pin	後背帶環
⑬	Front Sight	準星
⑭	Rear Sight	照門
⑮	Receiver Assy	槍機座體
⑯	Outer Barrel	槍管

## 内容物 Contents

1 上槍身 Receiver Assy

2 下槍身 Stock

3 彈匣 Magazine

4 上彈器 Speedloader

5 6mm BB彈  
6mm BB's

6 彈匣卡筭 Magazine release

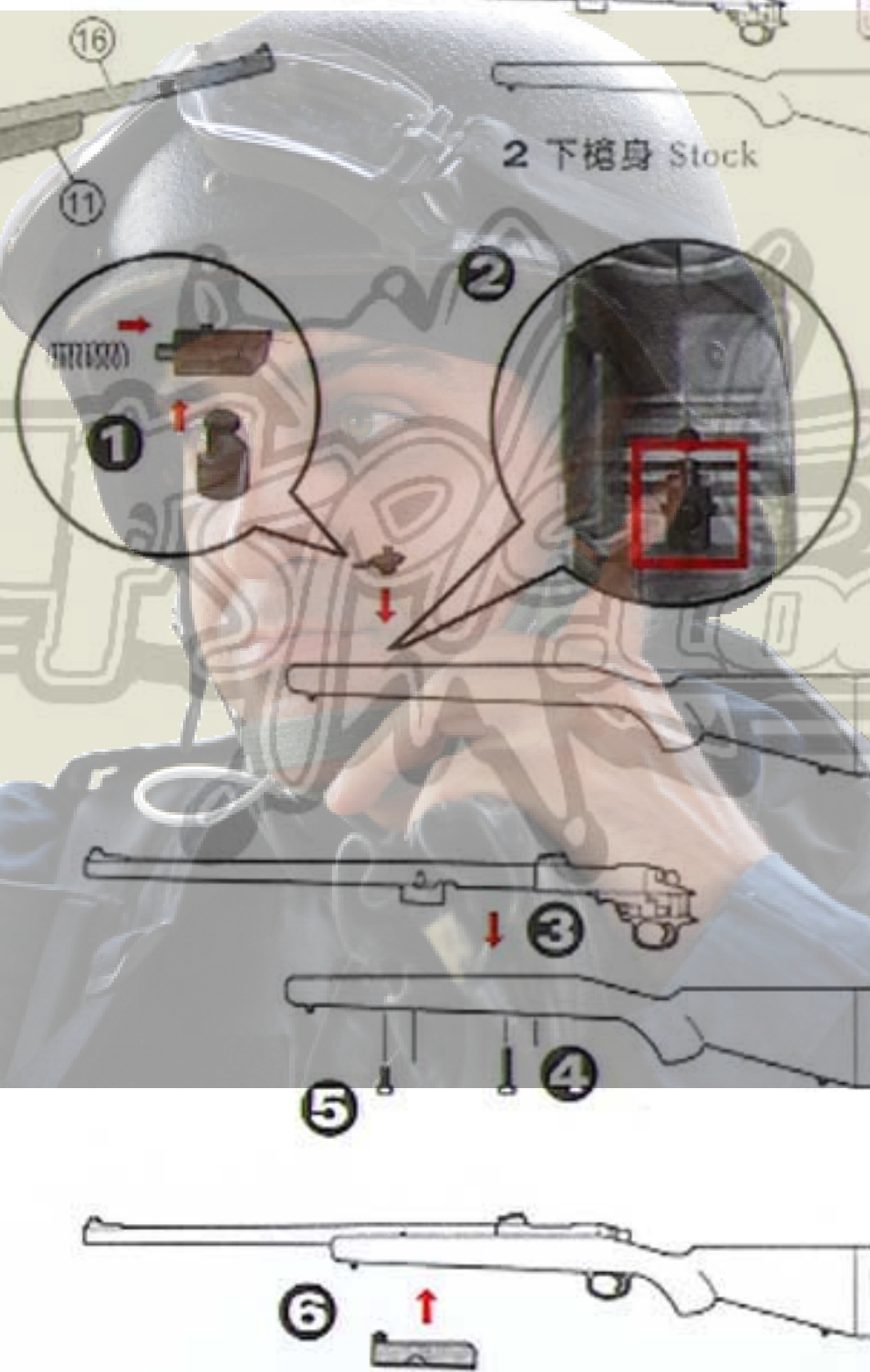
7 槍托固定螺絲  
Screws for fixing stock

8 槍口拆卸工具  
Muzzle disassembly tool

9 六角扳手  
Hexagonal key

## 組裝說明 Assembly step

- ① 彈匣卡筭組合，請依照圖示一組合。  
Assemble magazine release as picture 1.
- ② 將彈匣卡筭置入圖示二所標示之位置。  
Put magazine into the position as picture 2.
- ③ 將上槍身與下槍身結合。  
Assemble "Receiver Assy" & stock.
- ④ 將槍托固定螺絲以六角扳手旋上。  
Fix the stock with screws by using hexagonal key.
- ⑤ 請注意此螺絲鬆緊度調整，避免彈匣卡筭失去功能。  
To avoid malfunctions of magazine release, please adjust the screws properly (not too tight or loose).
- ⑥ 將彈匣填裝BB彈後置入圖示位置，完成組裝步驟。  
Load BB's to magazine, then put magazine as picture shown. The assembly is finished.

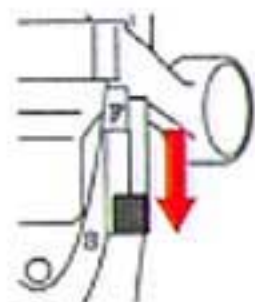
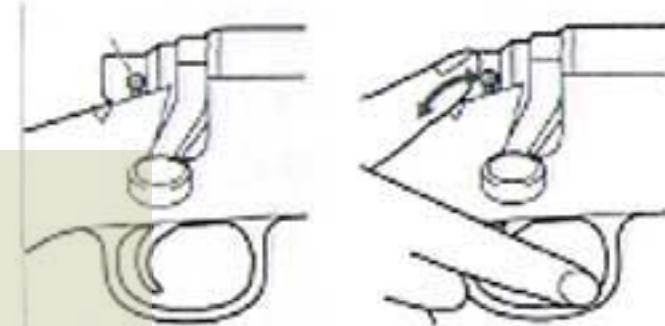




## 2 安全裝置 PROTECTION DEVICE

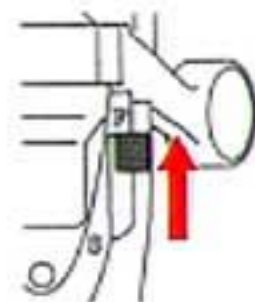
### ▶▶▶ ● WARNING ○ 警告

- 1. Never operate the safety lever while pulling the trigger, otherwise, malfunctions are possible, resulting in accidents.
- 1. 不要在壓扣板機時操作保險桿，否則，容易導致機件故障，引發意外。
- 2. Pulling the trigger with the selector being set to safe may damage the gun.
- 2. 當保險桿設定在"SAFE"的時候，請不要無謂的壓扣板機，會有損槍枝。



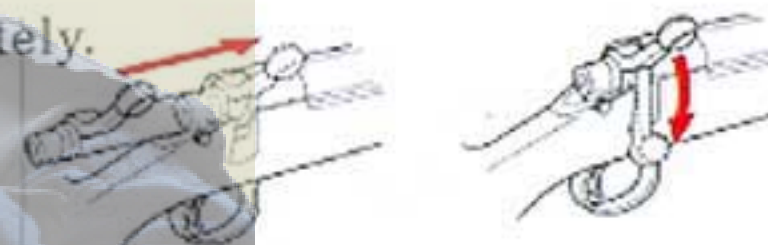
### ▶▶▶ Safety Setting 保險設定

- (Always set the safety lever to SEAF until immediately before firing)
- (保險桿需確實設定在「SAFE」的狀態，除非要立即的射擊再解除。)
- When you are not firing the gun or during storage, always set the selector to SAFE position.
- 當不擊發槍，或者是收藏槍枝的時候，務必將板機釋放以免影響彈簧壽命，請確實將保險桿設定在「SAFE」的位置上。



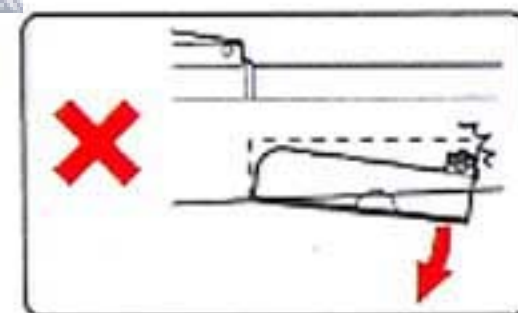
### ▶▶▶ Bolt handle safety

- The gun will not fire if the bolt handle is not put down completely.
- 射擊前未將拉柄下壓歸位，仍然無法擊發。



### ▶▶▶ ● WARNING ○ 警告

- Always use the HFC BB bullet for this air gun.
- 選擇使用 H.F.C. 的 B.B. 彈。
- We shall not take responsibility for any damage or accidents arising from the use of bullets supplied by other manufacturers.
- 如果使用其他廠商的 B.B. 彈，而導致槍枝故障，或是意外，我們一概不承擔任何的責任。





# 3 彈匣設定 SETTING THE MAGAZINE

1. Press the magazine release button to remove the magazine .

1. 按壓彈匣退出鈕取出彈匣。

(Remove the magazine right down without slanting.)

(不要斜斜地取出彈匣。)

2. Push down the BB follower and feed bullets one by one.

2. 按壓B.B彈的上彈頭，一顆一顆地裝填B.B.彈。

**CAUTION** 注意

The magazine is capable of containing 30 bullets

一個彈匣可以容納30顆B.B.彈。

Always set the magazine upwardly.

安置彈匣的時候請務必朝向上方。

Hold the magazine horizontally and push it from below until it clicks.

水平握住彈匣，由下往上扣住，直到聽見喀嚓聲。

Slide the rib in the arrow direction to remove remaining BB bullets.

上彈道內的殘彈，可依箭頭方向按壓取出。

(Be careful since BB bullets may jump out.)

(小心！B.B.彈容易彈跳出來。)

3. Or. load the BB with speed loader attached.

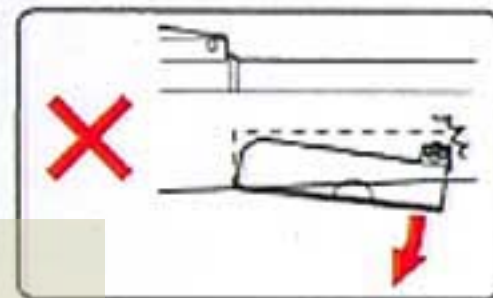
3. 或者以本公司所附之「上彈器」進行裝填B.B.彈。

**WARNING** 警告

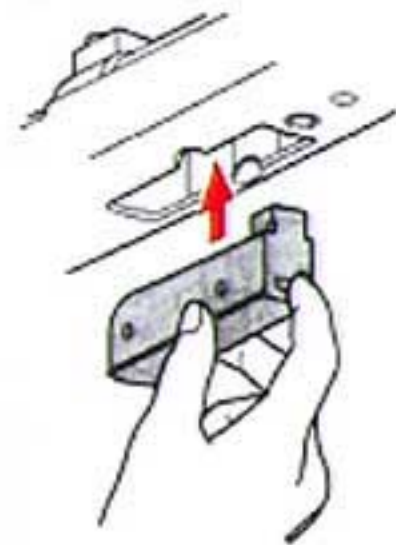
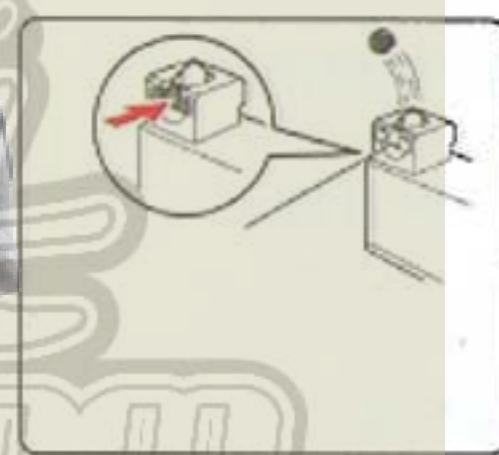
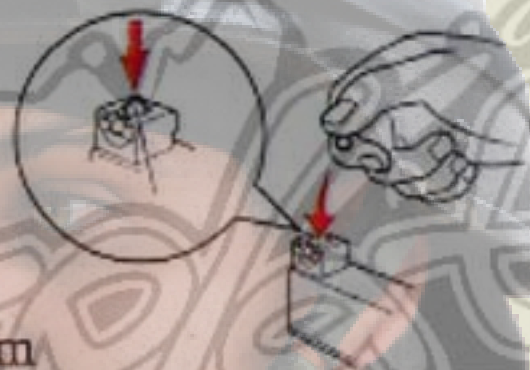
Outdoor shooting may be influenced by weather conditions  
Such as wind.

戶外射擊的時候，可能受到天氣的影響，例如：風向...

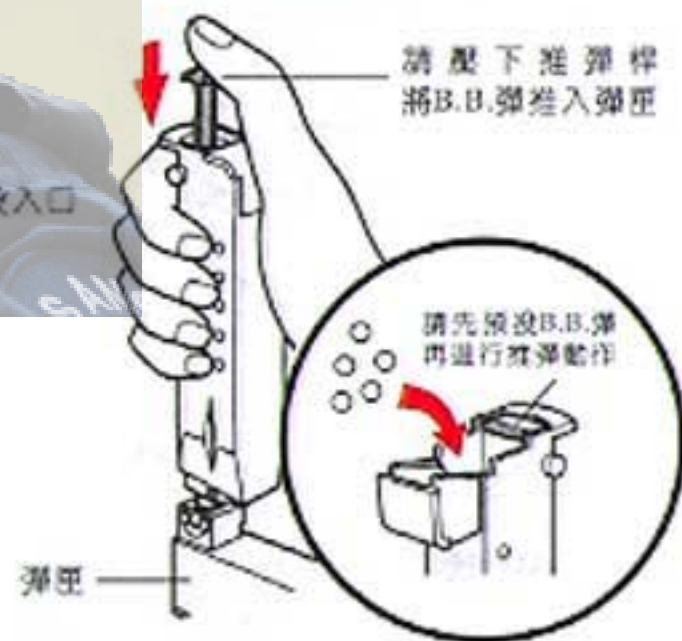
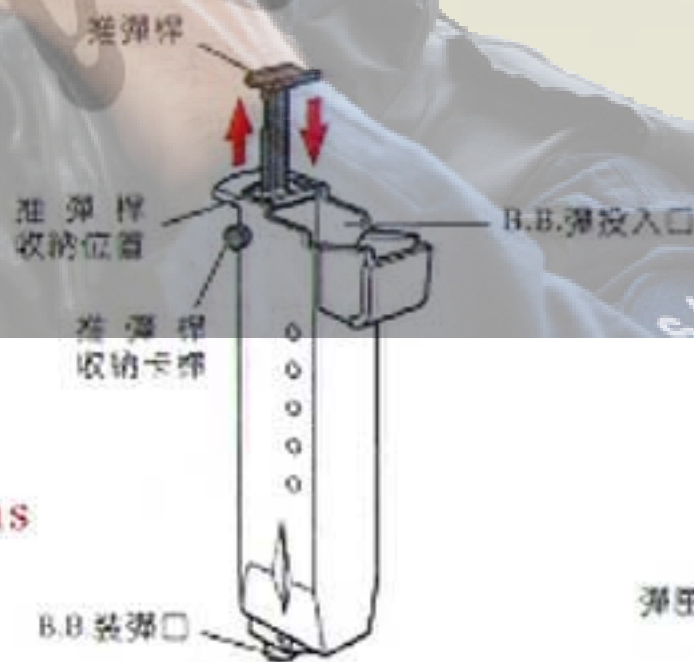
1



2



3





## 4 射擊 FIRING

### ▶▶▶ Zeroing-in 調整歸零

● FIRING (Confirm safety sufficiently before beginning firing)

○ 射擊 (在開始射擊之前，確定保險是有效的。)

● Before adjusting your hop-up and sight, shoot at a target resting the gun on something which can help steady the gun

○ 朝靶射擊之前，先調整Hop-Up(彈道)，和瞄準具(照門)，將槍固定在某個位置上，可以穩固槍身。

### ▶▶▶ ● CAUTION ○ 注意

● 1. Confirm the safety of surrounding and behind the target.

○ 1. 確保射擊環境，和靶的背面是否安全。

● 2. Activating the trigger carelessly is extremely dangerous.

never put your finger onto the trigger unless you are ready to shoot a target.

○ 2. 經常性的不正當操作板機，是非常的危險，除非，你作好預備射擊瞄準，否則，不要把手放到板機位置。

● 3. You can fire a bullet by only pulling the trigger slightly because this rifle is developed for game.

○ 3. 這把來福槍設計，是玩具使用地，只須要輕扣板機，即可擊發子彈。

● 1. Put up the bolt handle and pull until it clicks.

○ 1. 往上拉拉柄，直到聽到喀嚓聲。

● 2. Return the bolt handle and pull down (If the bolt handle is not put down completely, you can not pull the trigger).

○ 2. 將拉柄往後拉到底再推回，然後向下壓放歸位。(假如拉柄未完全下壓，你將無法扣板機。)

● 3. Set the safety lever to release safety.

○ 3. 設定保險桿到開啓保險位置。

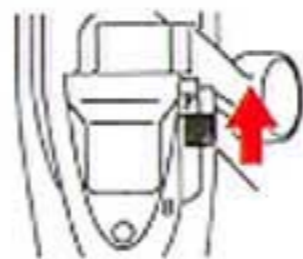
● 4. Pull the trigger.

○ 4. 扣板機。

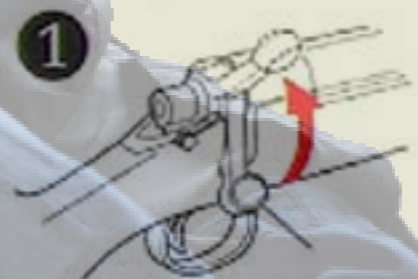
4



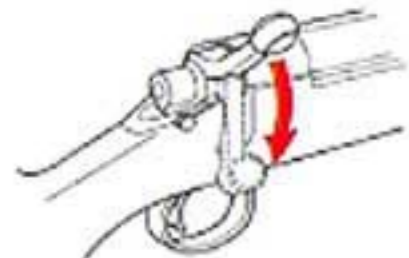
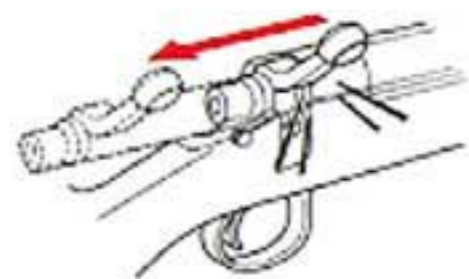
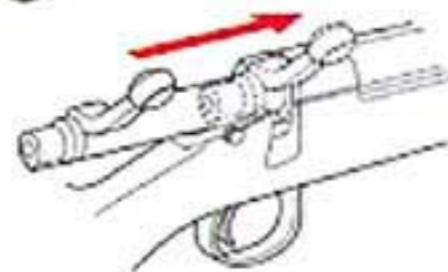
3



1



2

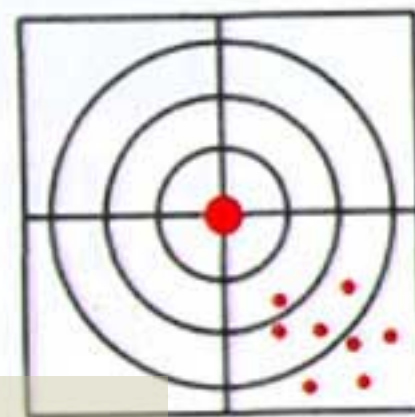




▶▶▶ Check the target after shooting. 射擊之後，檢視落靶位置。

▶ Confirm that 確認：

- ◎ 1.the firing line to the target is horizontal.
- 1.彈道是否平直的。
- ◎ 2.you can hit the mark.
- 2.靶位是否可以擊中。



## 5 HOP-UP

▶▶▶ ◎ **WARNING** ○ 警告

◎ Be careful that bullets may fall if a bolt handle is returned with sufficient vigor when it is a place with the hop lever near the normal position.

○ 當Hop-Up外調桿，在靠近「UP」正常位置時，假如，槍機拉柄有足夠的推力，須小心子彈容易掉落。

▶▶▶ **Variable Hop Up System** 可調整的HOP-UP系統。

◎ By producing a back-spin on the BB bullets, this system allows for straighter and longer distance shooting than normal air guns.

○ 藉由B.B.彈產生的後旋方式，此系統有考慮到，比一般的空氣槍更直，而且更遠的射程。

▶▶▶ ◎ **CAUTION** ○ 注意

◎ 1.Moving the lever too much towards HOP causes bullets to clog.

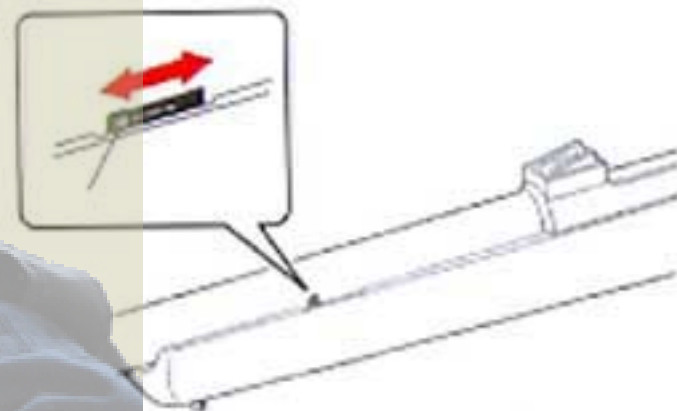
○ 1.調整HOP-UP外調桿，太接近「HOP-UP」位置時，會導致子彈容易卡彈。

◎ 2.If bullet clogging occurs, immediately stop firing the gun, return the hop adjustment lever to the Normal position and remove clogging bullets.

○ 2.如果發現子彈卡彈的情況，立即停止射擊，將HOP-UP外調桿，調整到原來正常的位置上，並且清除子彈。

◎ 3.Never use poor quality and dirty bullets.

○ 3.請勿使用品質不良，或是髒汙的子彈。





◎ 4. Turning excessively adversely affects the trajectory. So, stop turning the hop adjustment lever when bullets fly horizontally.

○ 4. 逆向調整角度過多的話，會嚴重影響彈道，調整HOP-UP外調桿直到彈道正常平直位置，即停止繼續調整。

◎ 5. The hop dial can only be turned a certain amount. Turning it too much will damage it.

○ 5. HOP-UP刻度調整表，能夠依次轉動，確實的發揮彈道效果，過度的轉動會損害它。

▶▶▶ ◎ **WARNING** ○ 警告

◎ If the HOP-UP is adjustment excessively causing clogging of bullets, immediately stop operating the gun, return the dial to normal, fire 2 or 3 shot and readjust.

○ 假如HOP-UP調整過度，會導致卡彈，立即停止操作槍枝，將調整桿調到正常的位置，射擊2到3發，並且重新調整。

Situation 情況	Cause 成因	Action 排除動作
Severe flying up. 激烈上揚。	Too much Hop setting. 調整Hop太多。	Gradually return adjustment lever towards Normal. 逐步將調整桿退至正常位置。
Severe falling down. 激烈下墜。	Too much Up setting. 調整Up太多。	Gradually return adjustment lever towards Normal. 逐步將調整桿退至正常位置。
Hop-Up with scattered impact, no way to calibrate. Hop-Up散射、無法校準。	1. Badly worn abrasion rubber. 橡皮(入彈膠)嚴重地磨損。	Replace the abrasion rubber. 更換橡皮。
	2. Abrasion rubber is greased. 橡皮(入彈膠)含有過量油污。	Remove grease from abrasion rubber. 將油污清除。
Hop-Up regulation failure. Hop-Up不正常。	Worn parts. 零件損害。	Replace the worn parts. 更換零件。
Frequent bullet clogging. 經常卡彈。	1. Poor BB bullet. B.B.彈不良。	Use really round 6mm bullet. 使用6mm圓的B.B.彈。
	2. Hop-Up is too tight. Hop-Up太緊。	Gradually return adjustment lever towards Normal. 逐步將調整桿退至正常位置。
	3. Dirty bore 槍管太髒。	Clean the bore with cotton stick. 用棉棒清潔槍管。



## 6 正確持槍 CORRECT HOLDING OF THE GUN

### ▶▶▶ Correct holding of the gun 正確持槍

● For helping the sighting steady, hold a gun at the ready as shown in the figure.

○ 如圖所示的持槍方式，可以有助於瞄準的穩定性。

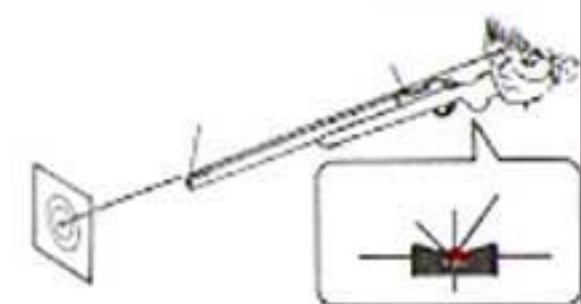
### ▶▶▶ Sighting-in 瞄準

● Adjust the rear sight for shooting at the center of the target

○ 調整照門，可以更精確地射擊到靶心。

● (Shoot three or more shots for taking the average)

○ (射擊3或多發取平均值。)



### ▶▶▶ Windage adjustment 風偏調整

● When the lower-right part of the target is hit, move the sight to the left by turning the right side screw counterclockwise using the attached hexagonal key.

○ 如與子彈集中於靶的右下方，使用所附贈的六角型板手，將照門右側的六角螺絲，以反時針方向轉動，使準星朝左。

● (Turn clockwise to move the sight to right.)

○ (順時鐘方向轉動，可使準星向右。)

### ▶▶▶ Elevation (Up/Down) adjustment 高度調整

● When the lower part of the center become to be hit, move the sight up by turning the top screw of the rear sight clockwise using the attached hexagonal key.

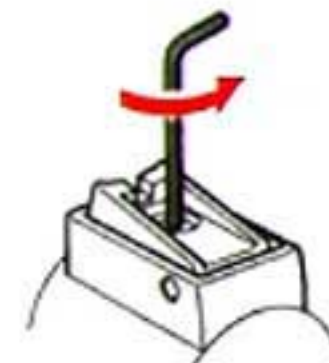
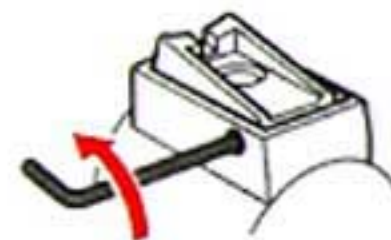
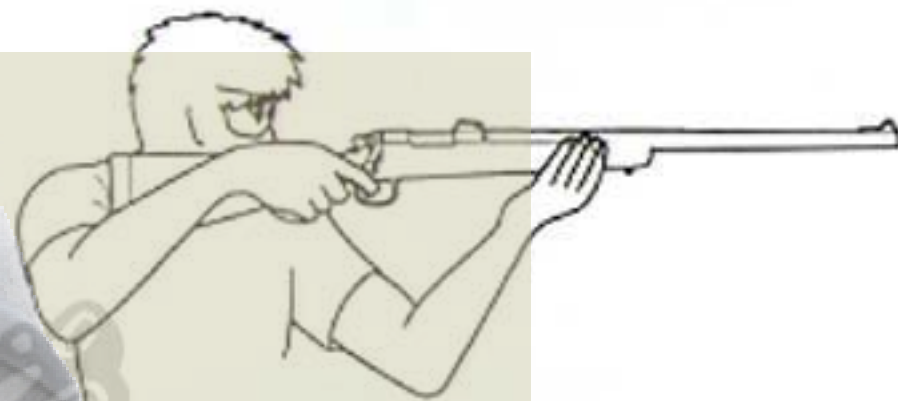
○ 如果子彈集中於靶的下方，使用所附贈的六角型板手，將照門上面的六角螺絲，以順時針方向轉動，使準星朝上。

● (Turn counterclockwise to move down.)

○ (反時針方向轉動，可使準星向下。)

● Adjust the gun sight until you can aim on an exact target.

○ 調整照門位置，直到可以正確瞄準目標。





## 7 板機調整 TRIGGER ADJUSTMENT

### ▶▶▶ Trigger adjustment 板機調整

● For adjusting trigger, remove the receiver Assy from the stock.

○ 從槍托中取出槍機座體，可以調整板機。

▶ ● 1. Remove the magazine.

○ 1. 取出彈匣。

▶ ● 2. Remove the two screws using the attached hexagonal key.

○ 2. 用六角型扳手，取出兩個六角型螺絲。

● pull out the receiver assy upper-forth.

○ 將槍機主體，面朝上，向外抽出。

### ▶▶▶ ● CAUTION ○ 注意

● Pay attention for the magazine catch cap not to come off.

○ 注意退彈鈕容易掉落。

● In case the magazine catch cap come off, reattach the magazine catch cap as shown in the figure.

○ 萬一退彈鈕不慎掉落時，請依照圖示，重新組裝。

▶ ● 3. Adjust the trigger.

○ 3. 調整板機。

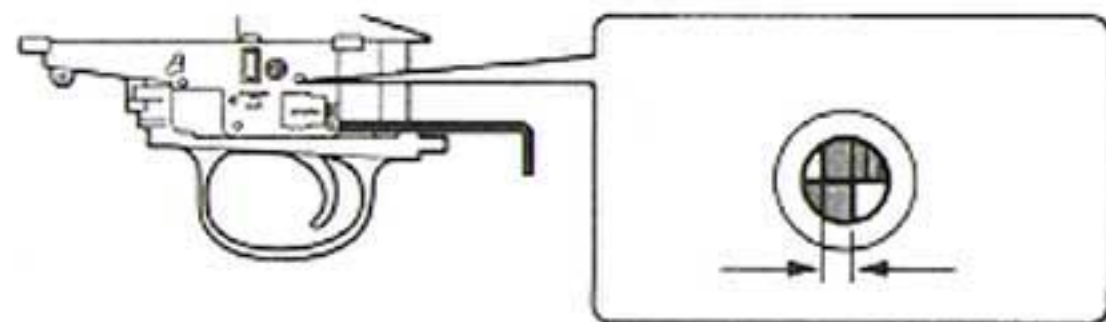
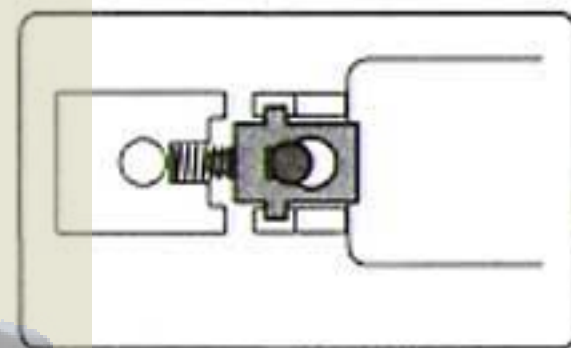
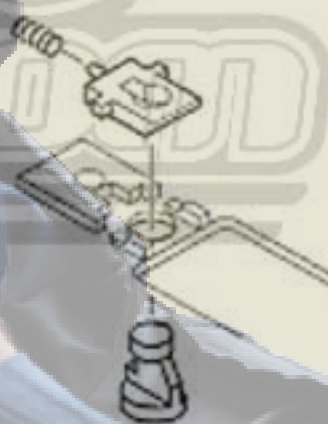
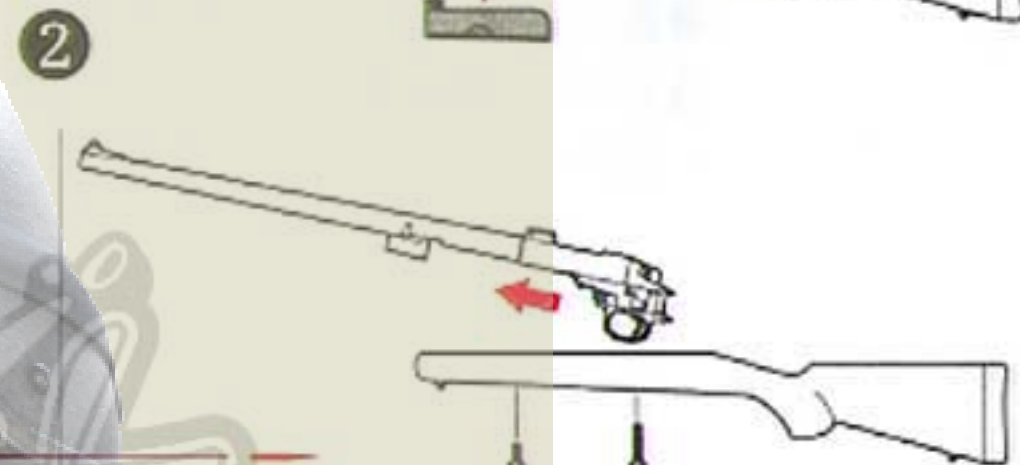
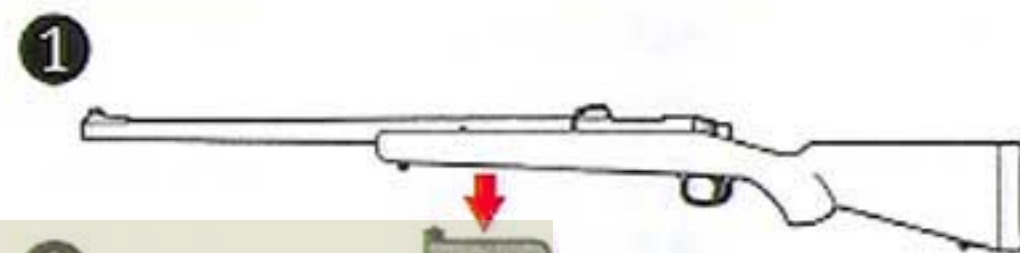
### ▶▶▶ Adjustment of Stroke 板機行程調整。

● Adjust the trigger stroke by turning the stroke adjusting screw using the attached hexagonal key.

Turn counterclockwise to increase stroke. If you turn the screw excessively, the screw may come off.

Turn clockwise to decrease stroke.

○ 用2mm六角扳手，來轉動板機調座螺絲，以調整板機的行程，反時針是增加板機行程，如果轉動過多的話，六角螺絲會容易掉落，順時針方向轉動的話，將可以減少板機的行程。

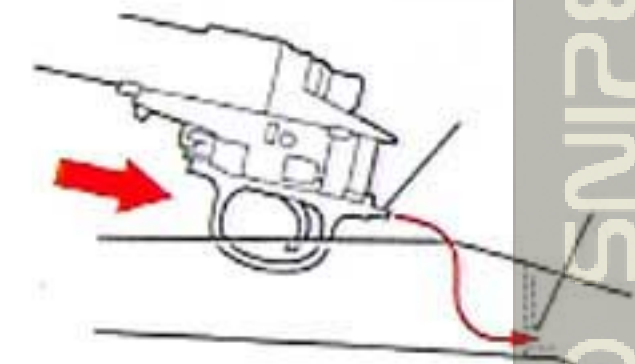
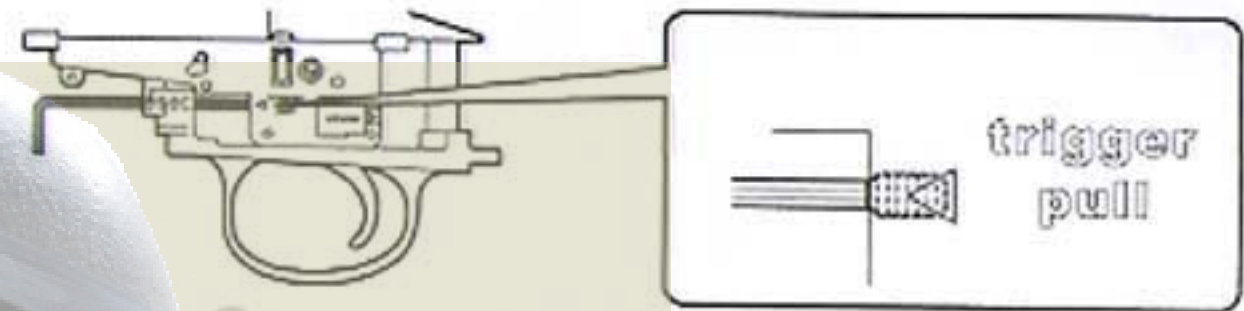




### ▶▶▶ Adjustment of Trigger pull 調整扳機的強弱

- Adjust the trigger pull by turning the adjusting screw using the attached hexagonal key. Turn counterclockwise to release. If you turn the screw excessively, the screw may come off. Turn clockwise to pull up. Do not turn the screw excessively to make the trigger activate.

- 用2mm六角扳手，來轉動扳機調座螺絲，以調整扳機扣壓的強弱，反時針轉動可以釋放螺絲，但是，如果轉動過多的話，六角螺絲會容易掉落。順時針方向的話，會使螺絲上緊。不要過多轉動螺絲，容易造成扳機扣壓過弱。



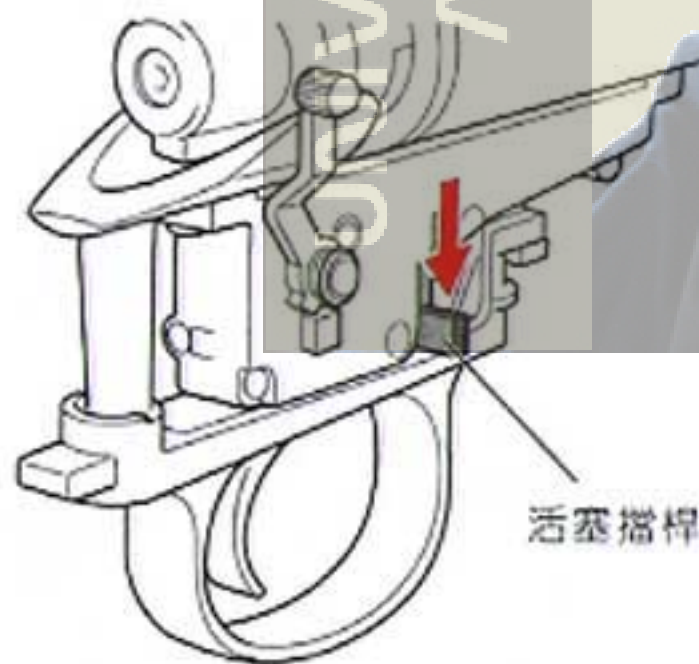
### ▶▶▶ Hint on attachment 附加注意事項

- Set the convex part of the trigger guard to the hole at a slant.
- 將護弓凸出部位，斜放入「孔」位。

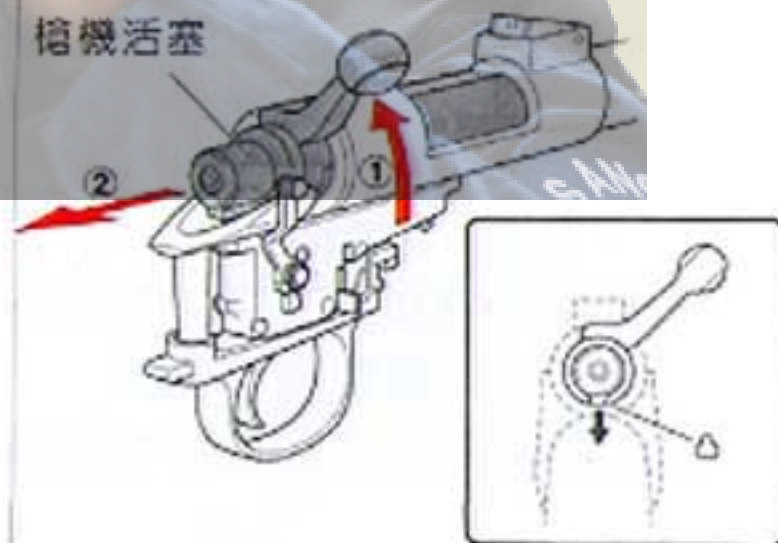
### ▶▶▶ Maintenance of the Hop-Up Chamber Hop-Up 機構之維護。

- 1. Put down the cylinder release lever.
- 1. 將柱狀體釋放桿(活塞擋桿)壓下。
- 2. Up the bolt handle and pull out the bolt sleeve.
- 2. 將拉柄向上拉，並且將槍機活塞抽出。
- (Make sure the convex part of the bolt sleeve is under side.)
- (必需確定槍機活塞的凸出部位，要朝向下方。)

1



2

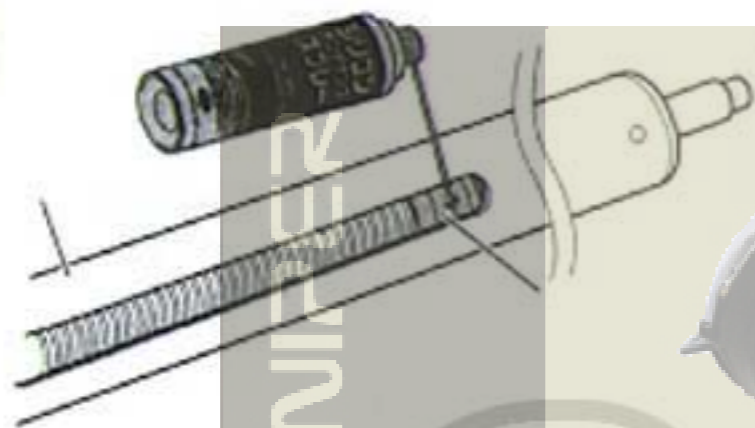




③ 3. Spray the silicon oil on the lower slot of the cylinder.

○ 3. 將矽油噴於槍機活塞的下方狹長位置。

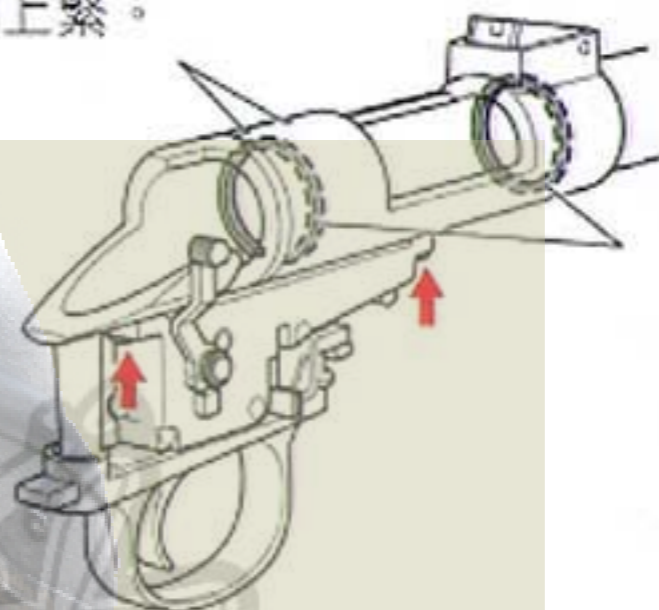
3



④ 4. Wipe the dust or dirt on the ring. If the screw is loose, tighten it.

○ 4. 清除掉槍機本體內機件的灰塵和髒污，如果有螺絲鬆動的情形，請上緊。

4



▶▶▶ ③ **WARNING** ○ 警告

③ As a consumables, when return of a bolt handle is heavy, we recommend you to change a new cylinder release even if it is maintained.

○ 柱狀體釋放桿(活塞擋桿)為消耗品，經多次過當使用拉柄之後，即使已經有保養了，但是，我們還是建議更換新的。

③ please do not decompose, except a bolt handle becomes bad after use for a long time .

○ 請不要任意分解槍機活塞，除非，在經過多次使用之後，拉柄已經壞掉了。

▶▶▶ ③ **CAUTION** ○ 注意

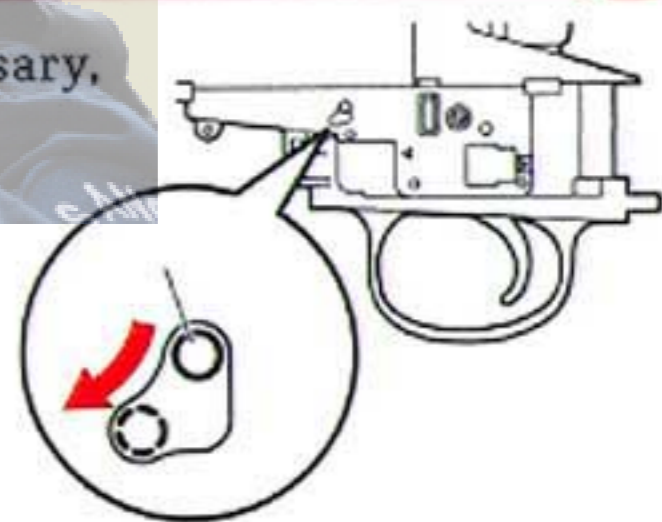
③ If you tighten the screw excessively, the cylinder may not be controlled. If necessary, fix the screw using the screw-locking material.

○ 萬一螺絲過份上緊，槍機活塞將不方便活動，如有必要，請上些螺絲固定膠固定之。

▶▶▶ **Assembly** 組裝

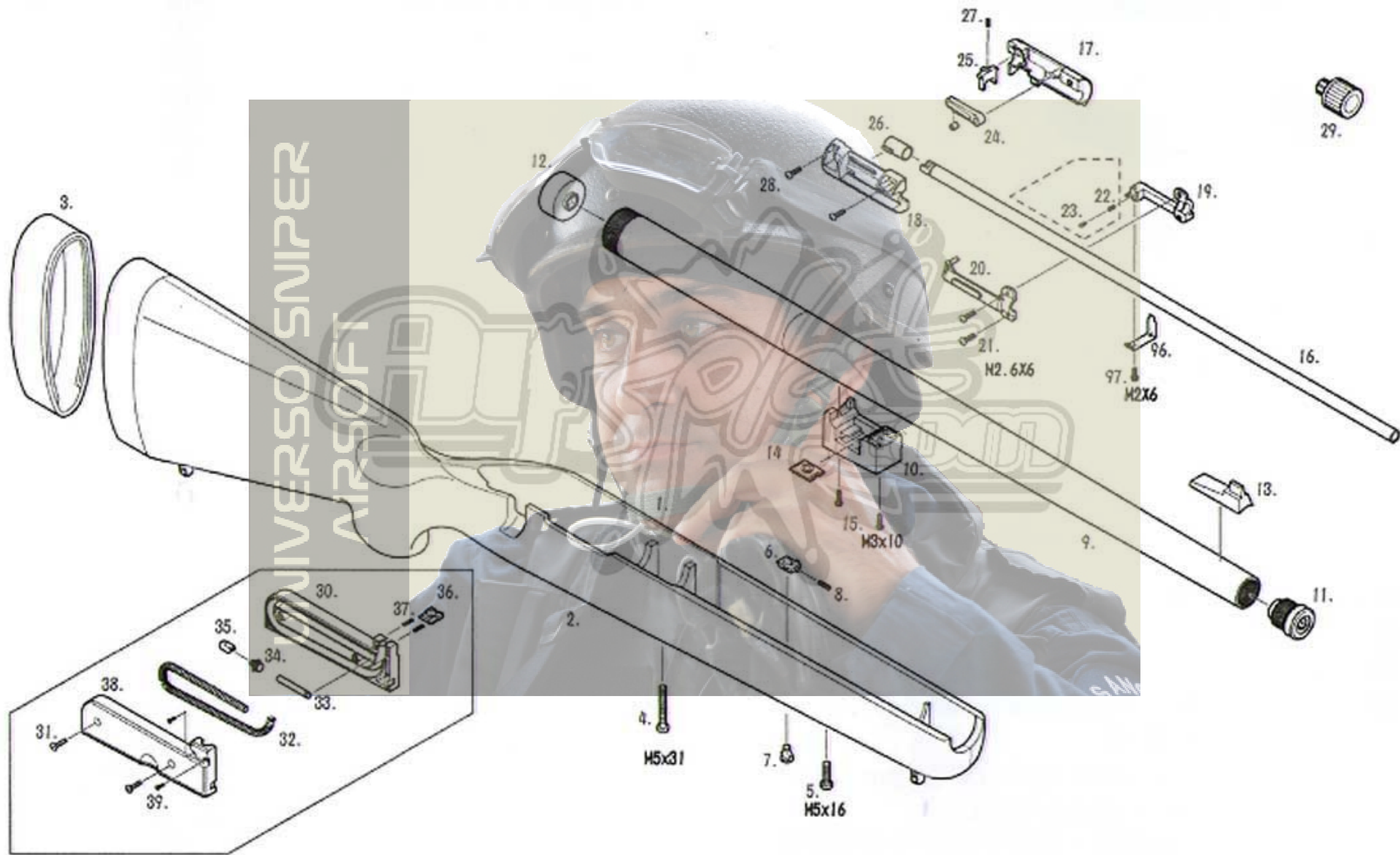
③ Let down the boss while reattaching the cylinder (make sure the convex part of the bolt sleeve is under side).

○ 在重新組裝槍機活塞時候，請撥下卡筭(必須確定槍機活塞的凸出部位要朝向下方面。)





# 8 爆炸圖 EXPLOSION







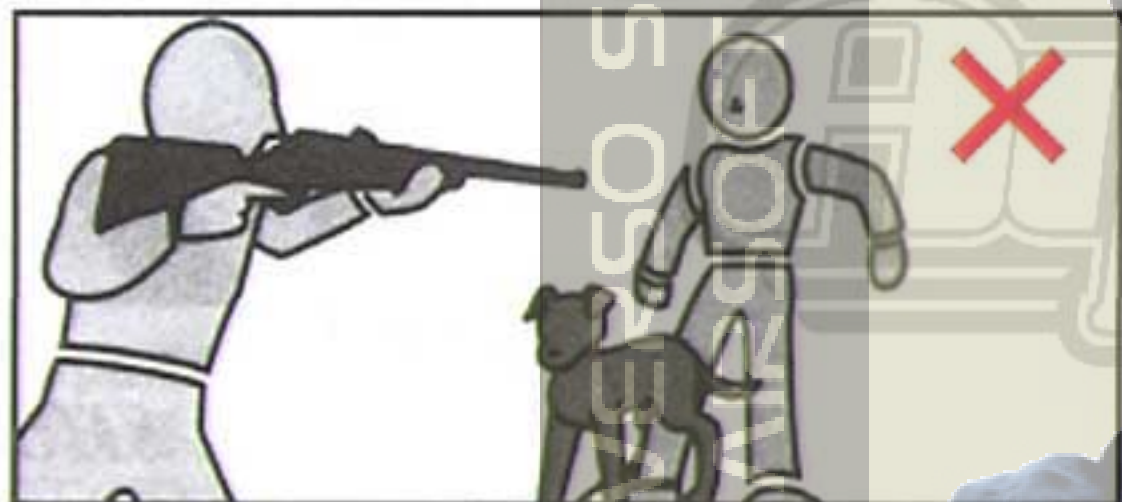


## 9 警告 WARNING



● When shooting the air gun for a target or game, you and all participants must wear goggles or other eye protective gear, also paying attention to ricochets. (Pay sufficient attention also to third personnel than participants.)

○ 當射擊此空氣槍時，所有參與人都應戴上護目鏡，並應提醒其他在場人員也要特別注意安全。



● Never aim or shoot a person or animal as the target.

○ 請勿將槍口對向人或動物。



● Never look into the gun muzzle.

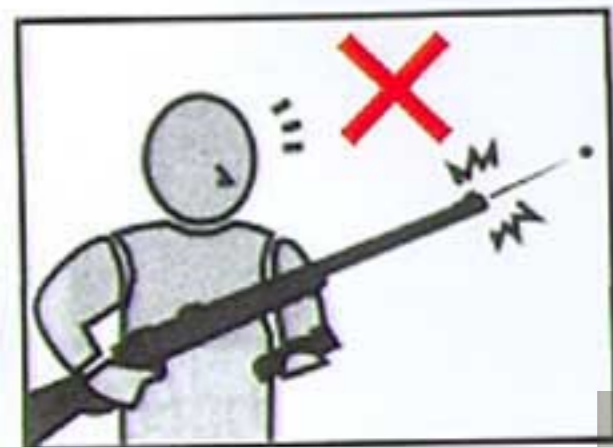
○ 請勿用眼睛直視槍口。



● Avoid pulling the trigger carelessly.

○ 避免不慎扣壓板機。





● BB bullets may be shot out even if the magazine is removed.

○ 即使彈匣取出，BB彈仍有可能從槍中射出。



● Never disassemble or modify the air gun.

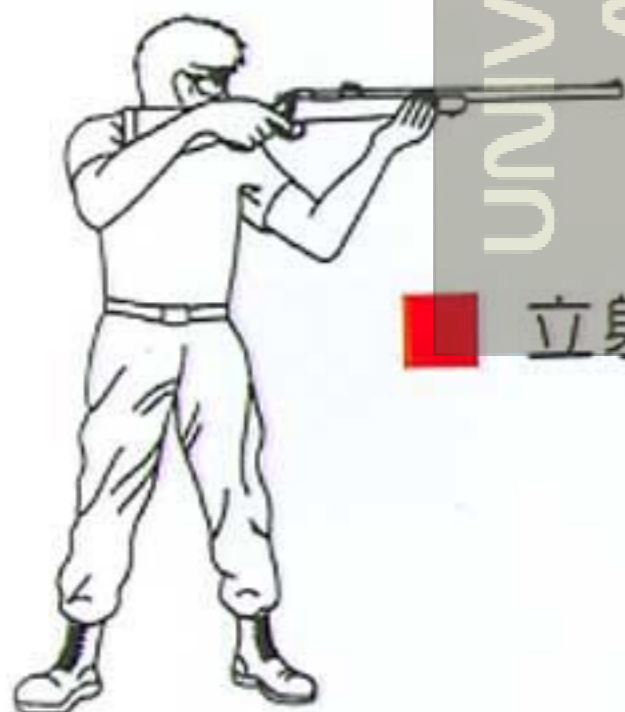
○ 請不要自行拆解或修改此把槍。

▶▶▶ ● POSE ○ 基本射擊姿勢



■ 跪射

■ 臥射



■ 立射



■ 掩蔽物利用(立射)



■ (跪射)