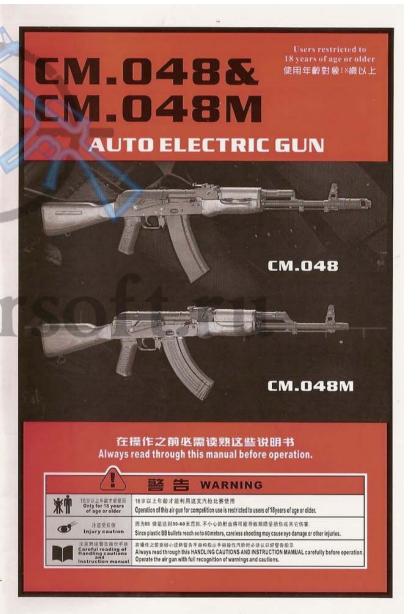


ELECTRIC AIR GUN 電動汽彈槍					
Name	名 稱	CM.048	CM.048M		
Overall length	全 長	962mm	915mm		
Weight	重量	3365g Including battery 3365克 包含電池	3310g Including battery 3310克 包含電池		
Magazine capacity	/ 裝彈數	500 rounds 500發	600 rounds 600發		
Bullet	子 彈	6mmBB bullets 6mmBB彈	6mmBB bullets 6mmBB彈		
Initial bullet speed	初速度	120m/sec (0.2g bullet) 120米/秒 (0.2g BB彈)	120m/sec (0.2g bullet) 120米/秒 (0.2g BB彈)		
Full auto shooting speed	連射速度	700 to 850 rounds/min 700-850發/分	700 to 850 rounds/min 700-850發/分		



警告

Always wear eye protective gear. 玩槍時,請始終戴着眼保護裝置。



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

當使用汽槍射擊目標或游戲時,你和所有的參與者都必須戴着防護眼鏡或其它眼保護裝置, 同時要注意子彈的彈跳方向。(而且要特别注意不能射向游戲者以外的第三者。)

You may be punished if you are shooting for a practical joke.

如果用汽彈槍開惡意玩笑,可能會受到懲罰。



You may be punished if you damage public or personal properties or injure a person or animal even if you are shooting for a practical joke. Always observe manners and enjoy healthy sport shooting.

如果你揭害公共的或私人的財產,或者傷害人或動物, 即使你是在進行射擊實踐游戲,你也會受到懲罰。 齲始終守規定,享受有益健康的運動射擊。

Never disassemble or modify the air gun. 避免拆除或修改該氣槍。



Never look into the gun muzzle. 禁止直接目視槍口。

This air gun is manufactured under consideration of appropriate performance and operability. Disassembling or modifying the gun may generate danger or adversely affect the performance. So avoid dissembling or modifying the air gun.

該汽槍是根據適當的性能和操作而制造的。拆除或 改裝汽槍可能產生危險或者逆反操作。因此要避免 拆除或改裝該汽槍。

Never shoot at any human or animal. 禁止射擊人或動物。



Do not look directly into the muzzle to avoid accidental discharge of BB. 不要直接地看槍口, 避免BB彈 意外射擊。



Never aim or shoot a person or animal as the target. Always attach the protective plug to the muzzle. 不可把人或動物當作目標瞄準或射擊。

- Make sure to operate an air gun after recognizing its feaatures.
- We are not responsible for any accidents, events, injuries or repair costs arising from wrong operation and handling or by modification and disassembly of the gun.
- 請確保在了解其特徵之後再使用該汽槍。
- 對于任何由錯誤操作或改裝和拆卸汽槍所引起的意外事故,突發事件,受傷或修理費用, 我們將不負有責任。

THOROUGHLY UNDERSTAND THE WARNINGS AND CAUTIONS FOR SAFE OPERATION.

詳細閱讀說明書中要注意的操作,才能安全的使用本產品。

Read through this manual before shooting paying special attention for safe operation. 在使用前,請仔細閱讀本説明書,以便安全的操作本產品。



Always observe warnings and cautions strictly. Failing to do so may cause in jury, accidents, or damage to the gun. 要嚴格遵守本産品中的警告及注意事項。 否則將造成傷害或是槍支的損害。

- Charging the battery (Battery and charger sold separately.) 電池充電器(電池和充電器有單獨出售)
- Please use the special battery: 8.4V 1200mAh. Do not use nonstandard battery or the other brand battery. or it will fall short of design demand. 使用稽支專用的電池。8.4伏,1200毫安高倍率電池。 請避免使用非標準或其他品牌的電池,



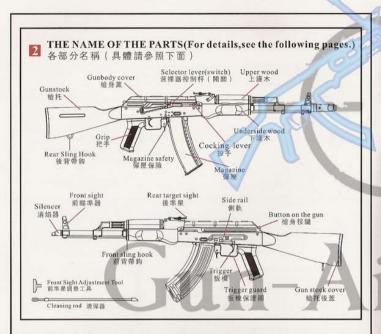
否則將達不到設計要求。

AUTION The SD and Mini Battery can not be used. 不能使用SD和小類型的電池。

- Use the specified battery charger which is applicable to the above battery. The charger Excusive Type ac Speed Charger. 使用上述電池専用充電器。
- The battery's capacity power is increased with use of the Exclusive(battery) Discharger (Sold separately)

使用專用的電池充電器會增加電池的能量。(有單獨銷售)

- Use the correct battery and charge according to respective instruction manuals. We will not be held responsible for any accidents or damage carsed by wrongful operation or rsage of non-specified batteries.
- 請根據使用手冊使用標準的電池和充電器。如果没有按照説明書操作或者使用非專用 的電池而引起的事故或傷害, 我們將不負任何責任。



Selector lever and safety setting 選擇控制杆和安全裝置



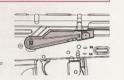
 To prevent malfunction of the switch do not change the selector lever from semi to full auto while pulling the trigger.

爲防止開關發生故障,在按扳機時,不要將選擇控制 杆從半自動改到全自動。

Set the selector lever correctly in position otherwise, malfunction may occur. 蔣選擇控制杆設置在正確的位置,否則將會發生故障。

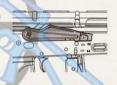
Safety setting(the trigger cannot be pulled.)
 安全裝置(不能按下板機)

When you are not firing the gun or during storage always set the selector to the safe position. 當你不射擊或在裝子彈時,講將選擇器設置在安全位置



● Fully automatic(automatic firing) 全自動(連擊)

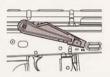
The gun will fire automatically while the trigger remains pulled. 按緊扳機,汽槍將自動射擊。



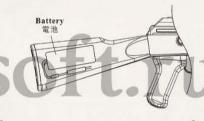
Semi automatic

半自動 The gun wil fire one shot each time the trigger is pulled.

每按一次扳機,汽槍將發射一發BB子彈。



Setting the Battery(Set the battery after charging) 安裝電池 (用充電器先把電池充滿)



Battery connection



● Use the screw that the screw knife cover after revolve a gun give,take out to link the line plug. 利螺絲刀旋出槍托後蓋 的螺絲,取出連接錢捕 頭。



 Insert the battery in the tail gunstock and connect the jack.
 將電池裝入槍托裹并 接上連接器。



Press down the fuse box and insert connectors and cords between the fuse box and battery.

Bend cords in the S shape.

EA 人保險絲盒,然後在保險絲盒和電池之間插入連接器和電纜。

將電綫彎曲成S形。



 When the battery and cords are set in positions, press step anti-cover after pack return toward operation.

當電池和電綫正確 安裝後,按①步的 反向操作裝回後蓋。





@ Replace the magazine cover 蒸上彈匣蒸



Open the cover of the magazine Insert 6mm BB bullets into the loader 500 bullets can be loaded. (048M magazine capacity 600BBS) 將6mm BB彈裝入彈盒 可裝入500發BB彈 (048M彈盒可裝入600發BB彈)

> Move the gear with hand clockwise until it is fully wound, and the bullets will be sent up automatically. (It can send about 150 rounds automatically). 以順時針方向撥動牙輪, 直到上滿鍵,子彈就會 自動往上送。 (能自動送彈約150發)。

The magazine is capable of Containing 600 BB bullets. 弹匣可裝600發BB彈。

@ Set the magazine upward. Install the magazine as illustration. 從上方安裝彈匣。可以按箭頭所示步驟安裝彈匣。



- 1. First set the front. 首先裝前方
- 2. Press to the rear. 向後按
- 3. Press the release lever towards the trigger to lock.

朝扳機方向按下并鎖定。



Slide the rib in the arrow direction to remove remaining BB bullets. (Be careful since BB bullets may jump out.)

按箭頭方向移動按鈕取出剩餘BB 子彈。(小心BB子彈可能會跳出)



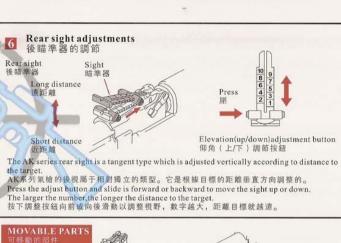
• Always use the BB bullets for the air gun. We shall not be held responsible for any damage or accidents arising from the use of bullets suppled by other manufacturers.

> 這種氣槍衹能使用標準的6mmBB彈。如果使用其他供應提供的子彈而引起的損害 和事故, 我們將不負任何責任。













CAUTIONS ON MOTOR AND BATTRY 登動機和電池使

- Charge the battery if the firing cycle becomes slow.
 當射擊速度變慢,請充電。
- 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.
 為了確保發動機和電池的壽命,在射擊500輸後,給氣槍5-10分鐘的間歇。

WHEN BUILDETS ARE CLOGGED

當子彈阻塞時, 應采取的措施

- If bullets are clogged, remove them and apply a few drops of silicone oil in to the chamber from the magazine entrances shown or spray silicone oil for 0.5 or 1 sec, to obtain smooth continuous
- 假如子彈阻塞, 把子彈取出來, 爲了以後順利的射擊, 請從子彈匣的入口處往槍蹬滴上或噴上幾滴潤滑油。

AFTER OPERATION

使用之後

- 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. 把子彈匣取出,在半自動的模式下,把繪對着安全的地方射擊。
 (否則,彈簽彈性可能會發弱)把選擇器調到安全(safe)這一億。
- Bullets may remain in the chamber even if the magazine contains no bullets (or if the magazine is not connected)(Two or three bullets may drop from the magazine, this is the normal opweator of the gun.)
- 即使彈倉裏没有子彈, (或彈倉被取出後) 子彈也可能會留在槍膛裏。
- Always disconnect the battery and attach the protective cap whenever you do not operate the air gun. 當你不使用無槍時,必須斷開電池。

Alway attach the protective cap during storage.



CAUTIO 人注意

- There are possible cases that no firing occurs after pulling the trigger in the semi-atuo mode. In this case, do not pull the trigger furiously. Fire 5 to 6 shots in the full auto mode and then return to the semi auto operation.
- 在半自動的狀態下,有可能你按住扳機之後,子彈沒有射出來。遇到這種情况,不要猛烈地按住扳機,在全自動的狀態下,射擊5到6發,然後再調到半自動的 狀態下嘗試。
- Smell may be generated from motor for a wile when a new air gun is operated.
 This is the normal operation of the gun.
- 剛開始使用新氣槍時候,可能會有一股味道。這股味道是電機運轉時產生的,這種情况屬于正常現象。
- The hopping up operation may be unstable for 200 to 300 rounds after using silicone oil, this is the normal operation of the gun.

使用潤滑油之後,槍支的前200到300發可能不太穩定,這種情况屬于正常現象。

TROUBLE CLINIC(TROUBLE SHOOTING)

故障診斷(維修之前請確認是否發生故障)

SYMPTOM 癥狀	CAUSE原因	ACTION 方法
No operation at all 無法操作	Select or is set to safety. 選擇 (器)杆調在安全 這一檔 (Safety)	Set the selector lever to Semi or Full Auto 把選擇(器)杆調在 半自動或全自動檔
	Battery is not charged. 電池没有充電	Charger the battery 給電池充電
	Battery connector is disconnected. 電池連接器被斷開	Connect the connector 連接連接器
	The + and - or battery connector is revers. 電池的正負極連接器 倒置	Connect the connector correctly (check the fuse) 正確連接連接器(檢查保險絲)
	Fuse is blown out 保險絲爆裂	Relace the fuse(See page) 重新换上保險絲 (見頁)
	Expired motor life(50, 000 to 60,000 rounds) or poor electrical connection. 50,000到60,000發時,馬達壽命可能耗盡或置綫連接老化	Replace the motor(purchasing from your dealer or us)or check and repair the contacts 换新的電機(可向經銷商或我們購買),或者仔細檢查和修理電綫接網點
Although motor is removing, bullets jump out. 電機没有發生故障, 但子彈無法正常發射。	Bullets are clogged in the magazine 子彈阻塞在彈倉裏	Insert the charging rod into the magazine and move up and down a few times to remove clogged bullets 用裝載杆插進彈倉裏,上下移動幾次,把阻塞的子彈移出
	Bletts are clogged in the chamber 子彈阻塞在(槍)膛裏	Remove clogged bullets using the cheaning rob 用(槍支的)清彈器把阻塞的子彈取出
	Faulty gear 齒輪壞了	Purchase the replacement gear from your dealer and repair 向經銷商購買新的齒輪後進行 維修
Impossible full-auto operation.(Automatic	Insufficient battery power 電池電量不足	Charge the battery 給電池充電
firing) 不能連發(子彈無法射出)	Faulty bullet feed of magazine 彈倉裏的子彈裝錯	Repair clogging the magazine 清理彈倉裏的堵塞物
Impossible semi-auto operation.(Singe shot)	Poor electrical connection 電綫連接不好	Consult your dealer or us for overhaul maintenance or repair 向經銷商咨詢如何維修
不能單發	Deviation in gear timing 齒輪調配偏離	Set to semi auto firing 5 to 6 rounds in full auto 在全自動這一 檔射擊5到6次後調到半自動檔

Use of poor quality BB bullets will cause problems. Never disassemble or modify the gun 如使用低質量的BB彈將出現問題。不要拆卸或修改槍支。

SYMPTOM 癥狀	CAUSE 原因	ACTION 方法
Impossible semi-auto operation.(Single out) 不能半自動操作	Insufficient battery power. 電池電量不足	Charge the battery 給電池充電
Automatic firing become shorter. 連發射擊變慢	Insufficient battery power. 電池電量不足	Charge the battery 給電池充電
	Worn or damaged chamber packing (槍)膛材料太舊或壞了	Consult your dealer or us for overhaul maintenance or repair. Replace the chamber packing. Piston packing(O-ring) and piston assembly. 向經銷商咨詢如何維修。里新 换上槍膠材料,活塞材料 (O形圖)和活塞组裝件。
Shooting distance become shorter 子彈射程變短	Worn or damaged chamber packing.(O-ring) 槍膛材料 (O形圖) 太舊或壞了	
	Deteriorated piston spring. 活塞彈簧損壞	
	Faulty BB bullets. (Too small or heavy) BB子彈不合格(太小或太重)	Use the genuine BB bullet 使用質量合格的BB彈
	Faulty gear. 齒輪壞了	Purchase the replacement gear from your dealer and repair 向經銷商購買新的齒輪後進行維修
(Gear-problem caused by too many blank firing or worn or damaged gear. 太多的空白射擊導致 發輸出現問題或者齒輪 老化或損壞.	Consult your dealer or us for overhaul maintenance, part replacement (gear etc) or repaie 向經銷商咨詢如何維修,零件替換(齒輪等)
Too loud operating noese 噪音太大	Gear problem caused by too many blank firing 太多的空白射擊導致 齒輪出現問題	
	Worn or damaged chamber packing (槍)膛材料太舊或壞了	
Bullets being follen out from barrel end. 子彈從槍管頭彈出	No hop setting 没有設置HOP	Turn the hop adjustment lever toward HOP 把調節杆調到HOP位置
	Faulty BB bullets. (Too small) BB子彈不合格(太小)	Use the genuine BB bullet 使用質量合格的BB彈
Being wet or drop into water.(rain) 槍支弄濕或掉進水裏 (雨淋)	Stop operation immediately, disconnect the battery, wipe off water from water from inside themain body and the battery, and after complete dry, carry out trial firing, if no operation or malfunction is detected, consult your dealer or us for repair. 立刻停止使用,斷閒電池,把電池和檜支內部的主要部分擦幹,等槍支完全幹了之後,再嘗試射擊。假如無法使用或者發現故障。向經銷商或我們咨詢如何維修。	

O VARIABLE HOP UP SYSTEM 可變化的Hop Up系統

By producing a back-spin to the BB bullets, this system allows for straighter and longer distance shooting than normal air gun. Unlike the fixed type, the variable hop up system permits one-touch adjustments using the dial and lever, making it an ideal hop up system.

通過使子彈逆轉,可以使射擊比一般的氣槍射得更直和更遠。不像其他的固定類型的氣槍 一樣,可變化的Hop Up系統可以使用轉盤和調節杆來進行調整。

Adjustment Procedure(Adjust by carry out trial firing) 調節程序 (通過試射擊來進行調節)



Graduall turn the adjustment dial towards Hop to give hop up to bullets. (The best setting is where bullets fly horizontally.) 把調整鍵慢慢移向跳躍方向。(最佳設置爲子彈 水平方向射出)

- Turning excessively adversely affects the trajectory. So stop turning the hop adjustment lever when bullets fly horizontally. 向相反的方向用力的扭轉可能會影響到彈軌。因此,如果子彈能够水平射出,就停止扭轉
- 調節杆。

• The best position is where the bullets fly horizontally, and the longest flying distance is obtained. 最佳的位置是子彈水平方向射出,此位置使子彈達到最遠射程。 Too much hop-up(return the lever towards NORMAL)

Best position 最佳位置



Not enough hop-up(return the lever towards NORMAL) 上旋不到位(將調節杠杆拔回正常位置)

OPERATIONAL CAUTION (strictly observer the following caution) 操作注意事項。(要注意以下的事項)



- . Moving the lever too much towards HOP causes bullets to clog. Firing the gun with clogged bullets damages the piston and gears. 調節杠過度調向跳躍方向會導致子彈堵塞,子彈堵塞的情况下射擊會導致活塞和齒輪的損壞。
- If bullet clogging occurs, immediately stop firing the gun, return the hop lever to the Normal positiong and remove clogged bullets using the cleaning rod.
- 如果子彈堵塞,請立即停止,把跳躍杠調至正常位置,用清彈器取出堵塞子彈。 Make sure to return the hop adjustment lever to the Normal position when removing clogged bullets or cleaning. (Otherwise, the chamber packing is damaged.) 在取出堵塞子彈時或進行清潔時,要把HOP調節杠調到正常的位置(Normal)(否則可能會
- 指害检险) Never use used or dirty bullets. (Otherwise, the chamber becomes dirty, resulting in unstable
- hopping up.) 不要重復使用子彈或使用臟子彈。(否則彈膛會變臟,從而導致跳躍的不穩定)
- When about 10000 rounds are fired, spray silicone oil tinto the chamber for 0.5 to 1 dec. (See 11 on page 8. The hopping up operation may be unstable for 200 to 300 rounds after spraying the silicone oil, this is the normal operation of the gun.)
- 射擊大約10000粒子彈,用硅油噴彈膛0.5-1秒。(在噴硅油後,200-300輪射擊的跳躍操作 會不穩定,這種情况屬于正常現象。)
- . We will not be held responsible for any damage or accidents arising from wrongful operation, disassembly and modification of the gun. Any costs for repair of such damage shall be paid by

由于錯誤操作, 重組裝或改裝氣槍所引起的損壞或意外, 我們一律不予負责, 由此産生的 維修費用由用户自行承擔。

CAUTIO A

- If the hop-up is adjusted excessively causing clogging of bullets, immediately stop operating
 the gun.Return the lever to Normal, fire 2 or 3 shots and readjust.
 假如hop-up過分地調整可能會導致子彈的阻塞,遇到這種情况,立刻停止使用,把調節杆 調至正常射擊(Normal)狀態下,射擊2到3發,然後重新調整。
- Since a precision tight barrel is used, use of dirty bullets or those with burrs causes clogging
 of bullets and possible fatal damage to the mechanical box and system.
 由于槍管非常精密,如果使用臟的子彈可能會導致子彈阻塞和很致命的損壞槍支。

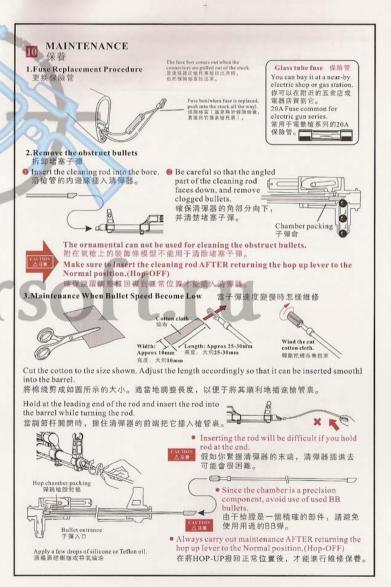
WARNING A SE

Never hold the gun side ways sa the BB bullets will curve tight or left.
This is due to the HOP-UP system.
不要從側面握住槍支進行射擊,因爲BB子彈射出時可能會偏左或者偏右。



WHEN HOPPING UP IS IMPROPER 跳躍不正常現象

SYMPTOM 癥狀	CAUSE 原因	ACTION 方法
Bullets flying upwards. 子彈向上飛	Too much hop setting (hop)設置太大	Gradually return adjustment lever towards Normal. 把調節杆逐漸地調到正常狀態。
Short flying distance	Too much hop setting (hop)設置太大	Gradually return adjustment lever towards Normal. 把調節杆逐漸地調到正常狀態。
Short Hying quastance of bullets(less hopping up effect). 子彈射程太短 (短于跳躍應有效果)	Hop packing contaminated by oil or dirt. Hop包裝被油迹或污垢 玷污	Fire bullets equivalent to 4 or 5 magazines or chean the chamber using cleaning rod. 用(槍支的)清彈器清潔槍膛。
	Worn or damaged hop packing Hop包裝太舊或被損壞	Purchase the replacement part at you dealer or from Marui and replace it. 向經銷商或我們購買所需配件,更换hop裝置。
Cannot adjust 不能調節	Damaged adjustment lever or other parts 調節杆或其他部件損壞	Purchase the replacement part at you dealer and replace it. 向經銷商購買所需配件,更换hop裝置
	Too much hop setting (hop)設置太大	Gradually return adjustment lever towards Normal. 把調節杆逐漸地調到正常狀態。
Frequent bullets clogging	Improper or too large sized BB bullets BB彈不合適或太大了	Use the BB bullets for Electric Gun. 使用標準BB彈。
子彈經常阻塞	Dirty hop packing Hop包裝弄臟	Clean using the cheaning rod or consult your dealer for repair. 用(檢支的)清彈器清潔或者向經銷商咨詢維修。



- Drop a few drops of silicone oil or Teffon oil from the bullet entrance, insert BB bullets into the magazine and fire bullets equivalent to 1 or 2 magazine. 從子彈的入口處滴幾滴潤滑油。把BB子彈裝進彈倉,射擊1或2次。
- To complete the cheaning. Use the clianing rod(with cotton) as shown below, to remove excess oil.
 使用槍支清彈器按照以下説明除去多餘的潤滑油。

4.FINE ADJUSTMENT OF GEAR ENGAGEMENT

Remove the screw from the grip

bottom. 在把手底部擰開螺絲。 M3 hexagon wrench

M3六邊形扳手 Insert M3 hexagon wrench into the screw hole to adjust. 解M3六邊形扳手插入 螺絲孔裏調整。



Only when the motor noise becomes high after operations for a long period of time, conduct the fine adjustment as shown. 若使用時間過長,電機發出很大的噪音 時,請接如圖所示對電視進行微觀。

Hold the grip during adjustment. Otherwise, the main body will drop since the grip set serew is removed.

在調整時要握緊把手。否則,主體會因爲固定把手的螺 絲被取下來了而掉出來。

- It is recommended to lock the adjustment screw by a screw locking agent or instantaneous adhesive after afjustment of the motor position is complete.
 建議你在馬達位置調整完成後,使用螺絲釘固定器或瞬間黏合劑固定調整螺絲釘。
- Normally, do not attempt to adjust.
 通常不要隨便調整。
- Be careful as not to overly tighten the screw as it will damage the gun. 注意不要過度接緊螺絡釘以免損擾氣檢。

