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COMBAT MASTER

Hi-KICK Hi-GROUPING GAS BLOWBACK

被誉为[世界最小]的政府版特制手枪custom Government

号称最小的1911手枪衍生型：Detonics.45，本枪自从1911年被美国陆军正式采用以来，就以发射一发子弹就能使目标丧失能力的[0.45口径弹]而著称，同时这也是在美国全国大范围内得到广泛信赖的手枪，这就是柯尔特公司所设计生产的[M1911 Government]一系列手枪。M1911在初期设计的时候就已经具有很高的完成度，其机械性至今仍在枪界中广泛采用着，由此许多厂家也根据M1911来制造生产出各种各样的特制型号的手枪。然而在特制手枪的市场上建筑起[subcompact “微型”]基础的还是1970年代后半期登场的DETONICS公司的“COMBAT MASTER”系列。在此之前，只是一部分经过枪械工匠的手进行微型化而已，虽然大众对便携性紧凑型的手枪需求呼声很高，但是各大厂家并没有及时推出市场。直到[COMBAT MASTER]上市之前，微型手枪只是单一的极为稀少的特别制品。

当时枪身长度在4英寸以下的.45口径的自动手枪，在其领域中普遍认为其作动的安定性要提高到市场大量销售的水平还很困难。把长度切短的话，装反冲弹簧的空间就得缩短，作动的不安定性和反作动就会增强等等各种各样的不安定因素就会产生。因此，DETONICS公司使用多个反冲弹簧，开发出〈反冲系统〉，将反作动限制在最低限度，并且可以说是极限〈枪身长度为3.5英寸（89MM）〉的手枪成功上市。紧凑型的COMBAT MASTER作为世界上最小又实用的0.45口径半自动左轮手枪首先登场，其构造之经典、挑战极限的3.5英寸精简枪身外型，令人过目不忘。

Detonics.45 COMBAT MASTER/实枪数据

名称：COMBAT MASTER MC-1

全长：178mm（根据生产时期不同而改变）

重量：822g（不包括弹夹）

枪身长：89mm

装弹数：6+1发

子弹：0.45ACP弹

“COMBAT MASTER”的外观设计极为独特，在使用上设定到射击为止的“速度”是有效的近~中距离。通过将〈后照门向前方移动一英寸左右〉而使与前端的距离缩短，这样一来，射击的精密度多少有所下降，但侧轨的速度却提高了。而且通过在滑套后方上部位置处设置保险装置，在击锤闭锁状态下运作，

也很容易扣动扳机。而且由于拆除了握把的安全装置，所以任何握法都可以发射。就是因为这一个个的小小改良，以及各种要素综合加在一起，所以使COMBAT MASTER在“速度”方面大大提高了性能。

DETONICS凭着不断的创新精神，对自身枪体结构特别进行革新，其独到之处是：将枪筒的先端的厚度加厚成锥型枪筒。在发射的瞬间，使得滑套的前端与枪筒的前端固定，从而使枪口稳定，发射后滑套后退的同时不与枪筒接触，使其作动起来更加顺畅。因传统的手枪滑套里装有垫片，可使枪筒稳定，但是这样一来滑套的作动时垫片与枪筒连续接触，作动的稳定性也就有所欠缺了。[COMBAT MASTER]面市之后，因其稳定性能的提高而使锥形枪筒的手枪需求量大大增加也就理所当然了。

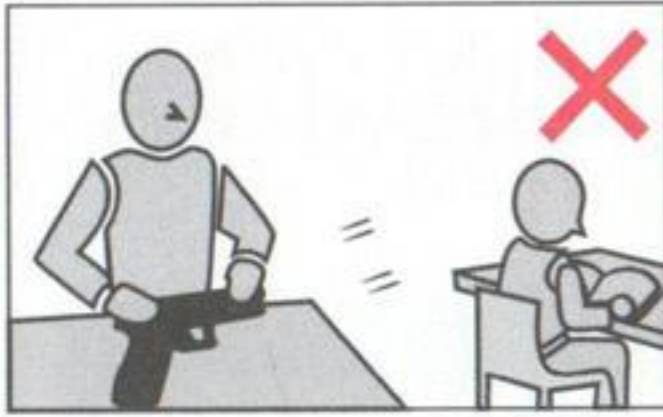
但是，只是将“微型”的特性融入到传统手枪，单这一点并不能全面表现出[COMBAT MASTER]的独特魅力。为了将使用[.45口径子弹]的好处在实战中最大限度的发挥出来，用崭新的概念使其优越性能不断发扬，Detonics在这方面是有口皆碑的。

在实际手枪的世界里，一提起DETONICS出品的COMBAT MASTER手枪，有口皆碑它是枪界系统中改良创新的革命性名枪的代名词。这次DETONICS公司出品的.45 COMBAT MASTER，使用了DETONICS公司所发明的锥形枪筒，还有2根弹簧，再现了〈双芯回冲弹簧〉的构造，当然实际分解（维修时的分解）的时候，也与实际手枪一样分为5种组合，所以零件和顺序的多少都不用烦恼。实用性的追求，不仅仅停留在性能和外观上，真正手枪所拥有的特性和合理性在[army出品的r45]上也表现无遗。

Always read through this manual before operation.

在操作之前必需读熟这些说明书

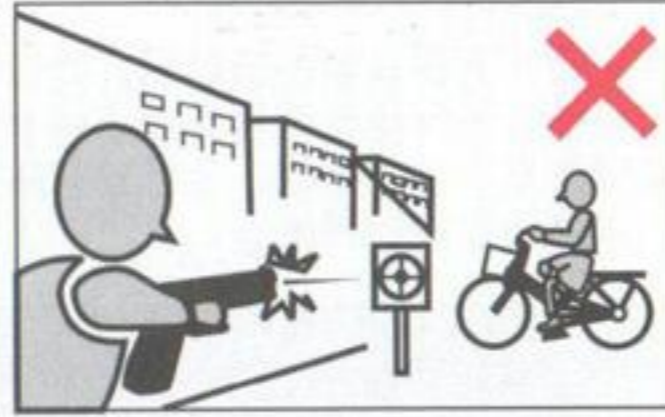
WARNING Always direct the muzzle towards a safe direction. **警告** 请始终将枪口对准安全的方向。



Never direct the muzzle towards a person, animal or other dangerous directions. Always attach the protective plug, except when you are ready to shoot a target.

决不能将枪口对准人、动物或其它危险的方向。除非你已准备好要射击目标，要不然请将插上插栓。

WARNING Never shoot the air gun at places where people and cars pass cross. **警告**



决不能在有人或车子经过的地方射击气枪
Select a safe place for operating the air gun, avoiding places where people and cars pass cross or third persons are around.

选择一个安全的地方射击气枪，避免在有人或车子经过或者有第三者的地方射击。

WARNING Always put the gun in a case or bag when you are carrying it. **警告**



当携带该气枪时，请把它放在盒子里或包里。
When you carry the air gun, attach the protective plug, set the selector lever to the safety position and put it in a case or bag.

当你要携带该气枪时，记得要插上安全插栓，把选择杆设定在安全位置，然后再把它放在盒子里或包里。

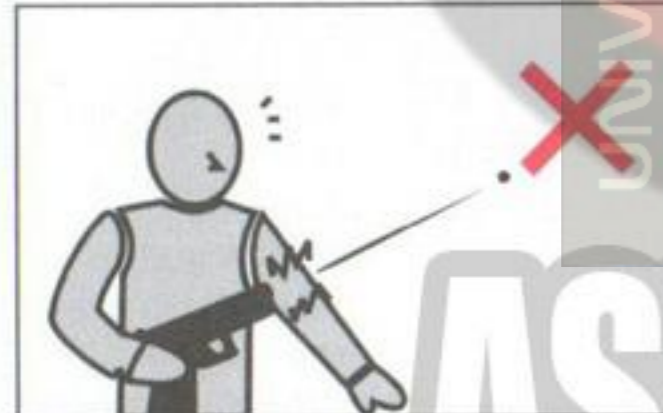
WARNING Store the air gun at places out of reach by children. **警告** 把气枪存放在儿童够不到的地方。



Always attach the protective plug to the muzzle, store the air gun in a case or bag and at a place out of reach by children so that they will not be injured during mischievous play.

请始终将安全插栓插在枪口上，放到盒子里或包里，然后把它存放在儿童够不到的地方，以免孩子们因为淘气地玩耍气枪而受伤。

WARNING BB bullets may be shot out even if the magazine is removed. **警告** 即使取下弹夹也可能会发射出BB弹。



There are cases that bullets remain in the gun after the magazine is disconnected. Pulling the trigger carelessly is extremely dangerous. After removal of the magazine, direct the muzzle towards a safe

direction and pull the trigger to confirm that no bullets remain in the gun. Then, attach the protective plug to the muzzle.

当弹夹取下来之后，有可能会出有些子弹还留在枪里的情况。不注意地射击是极其危险的。在取出弹夹后，将枪口对准安全的方向，扣动扳机以确定枪里没有残留子弹。然后在枪口上插上安全插栓。

WARNING Always set the selector lever to the safety position. **警告** 请始终将选择杆设定在安全位置。

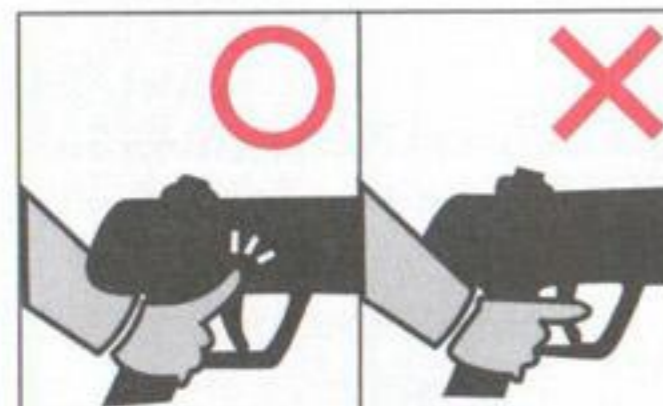


- ① Attach the protective plug to the muzzle.
- ② Set the selector lever to the safety position.
- ③ Remove the magazine.

- ① 将安全插栓插在枪口上。
- ② 并将选择杆设定在安全位置。
- ③ 取下弹夹。

WARNING Release put away your fingers from the trigger, except when you are ready to shoot a target. **警告**

除了你准备好射击目标外，请不要把你的手指放在扳机上。



Never put your fingers onto the trigger except when you are shooting a target. Maintaining your fingers on the trigger may cause sudden discharge for some reasons, which is dangerous.

除非你要射击目标，要不然决不能把手指放在扳机上。一直把手指放在扳机有可能会由于某些原因而突然射击，这很危险。

WARNING Never disassemble or modify the air gun. **警告**



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 disassembling or modifying the air gun.

该气枪是根据适当的性能和操作性而制造的。拆除或改装气枪可能产生危险或者逆反操作。因此要避免拆除或改装该气枪。



WARNING 警告


HANDLING CAUTIONS AND INSTRUCTION MANUAL 操作汽枪之前请仔细阅读操作手册

This sport gun is developed for enjoying sport shooting through correct sport shooting operation. You can experience unique feel of the air gun, which is a most suitable sport goods to improve your shooting sense, if you recognize its features and operational warnings. As the air gun has the capacity to shoot BB bullets by 15 to 25 meters, careless shooting and wrong operation are dangerous, causing eye damage or other injury. Make sure to read through warnings stipulated below and observe rules and manners for pleasant sport shooting.

该款运动枪通过正确的运动射击操作，为喜欢射击运动的人而设计开发的。如果你清楚了解了该气枪的特征和操作注意事项，你就能体验到独一无二的感受。该气枪是你提高射击能力最合适的运动器材。由于该气枪能够将BB弹射到15至25米远，因此不小心地射击或错误操作是非常危险的，会引起眼睛受伤或其它伤害的危险。请确保从头到尾读一遍下文中规定的警告事项并遵守其规定，以便于你能玩得愉快。

Operation of this air gun for competition use is restricted to users of 18 years old or more, careless shooting and wrong operation are dangerous, causing

汽弹枪用于比赛用，仅限于18岁以上使用，错误使用可能导致眼部或其他身体部位受伤。

 **WARNING** Always wear eye protective gear. 玩枪时，请始终戴着眼保护装置。



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 other than participants.)


当使用气枪射击目标或游戏时，你和所有的参与者都必须戴着护目镜或其它眼保护装置，同样要注意子弹的弹跳方向。（而且要特别注意不能射向游戏者以外的第三者。）

 **WARNING** Never shoot the air gun towards a person or animal. 禁止射击人或动物



Never aim or shoot a person or animal as the target. Always attach the protective plug to the muzzle, except when you are ready to shoot a target.


不可把人或动物当作目标瞄准或射击。始终系上枪口的防护塞，除非你准备去射击一个明确的目标。

 **WARNING** You may be punished if you are shooting for a practical joke. 如果用汽弹枪开恶作剧，可能会受到惩罚。



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.

如果你损害公共的或私人的财产，或者伤害人或动物，即使你是在进行射击实践游戏，你也会受到惩罚。请始终遵守规矩，享受有益健康的运动射击。

 **WARNING** Always attach the protective plug to the gun muzzle. 不玩枪时，请始终将安全插栓插在枪口上。



Make sure to attach the protective plug to the gun muzzle, except when you are shooting, for preventing accidental, sudden discharge and for the dust-proof purpose. (Never pull the trigger with the protective plug being attached.)

为防止意外或突然开枪以及为了防尘的目的，除了玩枪时外，请确保将安全插栓插在枪口上。（当枪口插上安全插栓时决不能扣动扳机。）

 **WARNING** Never look into the gun muzzle. 禁止直接目视枪口



Do not look directly into the gun barrel to avoid accidental discharge of BB.

不要直接地看枪管，避免BB弹意外发射。

 **WARNING** Avoid pulling the trigger carelessly. 避免不注意地射击。



Activating the trigger carelessly is extremely dangerous. Never put your finger onto the trigger unless the protective plug is removed and you are ready to shoot a target.

不小心地扣动扳机是非常危险的。除非当你拔出插栓，准备射击目标时，要不然决不能把手指放在扳机上。

- The operation procedure varies according to the model. Make sure to operate an air gun after recognizing its features.
- 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.

- 根据不同的型号，操作的程序会有所不同。请确保在了解其特征之后再使用该汽枪。
- 对于任何由错误操作或改装和拆卸气枪所引起的意外事故，突发事件，受伤或修理费用，我们将不负有责任。

使用说明书

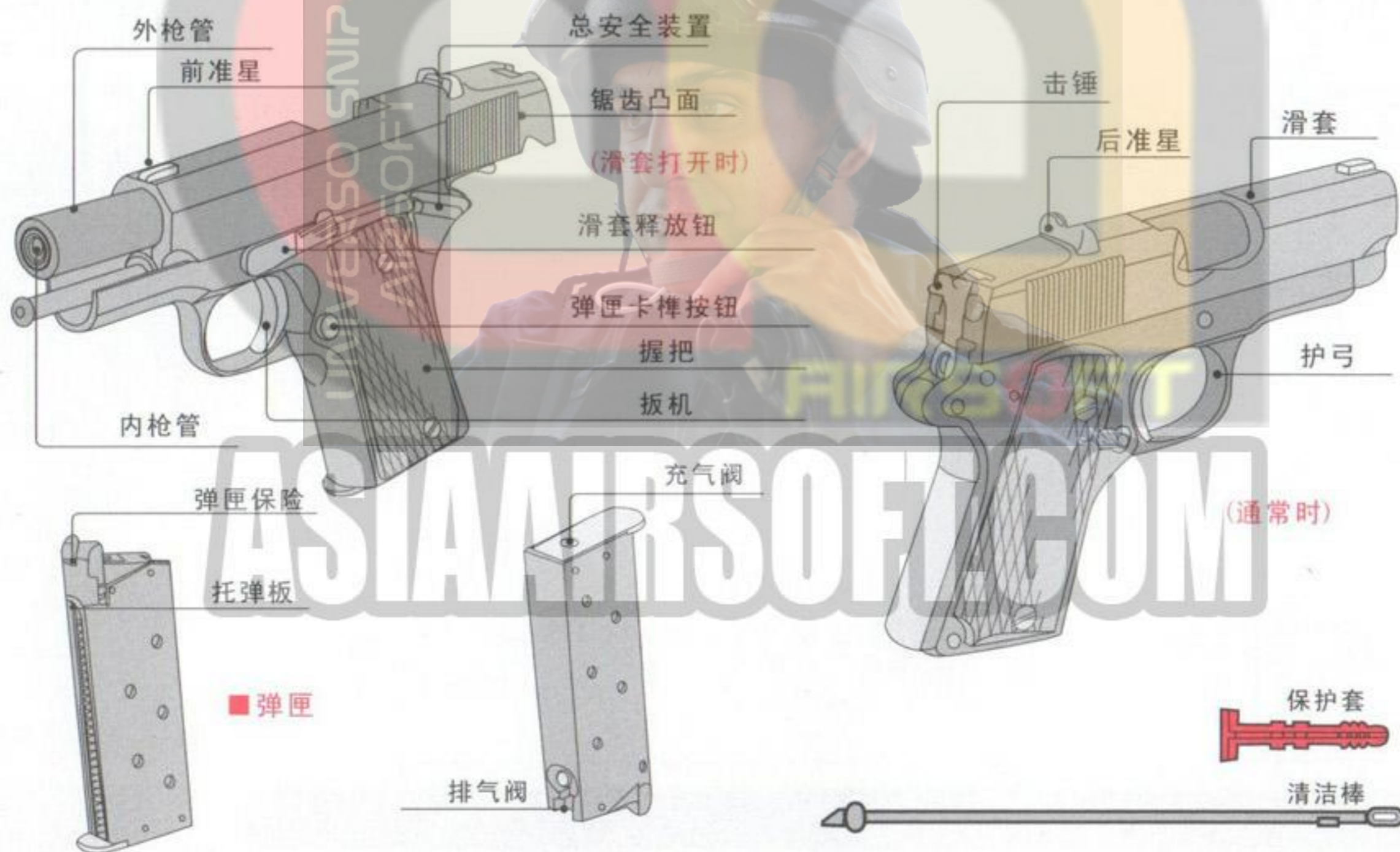
使用前必读

使用注意书	P1~2
使用说明书	
各部分名称	P3
充气、BB弹的装入、保险弹匣的装置	P4
首次子弹的装弹、安全装置、发射及瞄准具	P5~6
上旋调整、发射完毕、通常拆解、组装、维护保养	P7~9
液状气体的特性、故障及维修	P10

<安装注意·说明书>

- 本说明书是根据ARMY公司所制定的仿真模型气枪/R45的安全准则来进行操作上的说明，请客户务必按照说明书上的指示来理解并进行正确的操作。
- 警告：如果忽略、无视注意事项而进行错误的操作而使产品发生故障或导致意外受伤是非常危险的。因上述原因所导致的伤害本公司概不承担任何责任。
- 本说明书的内容或产品的外观如有变更敬请留意通告。

1. 各部分的名称 (请仔细阅读各页面的说明)



警告·注意

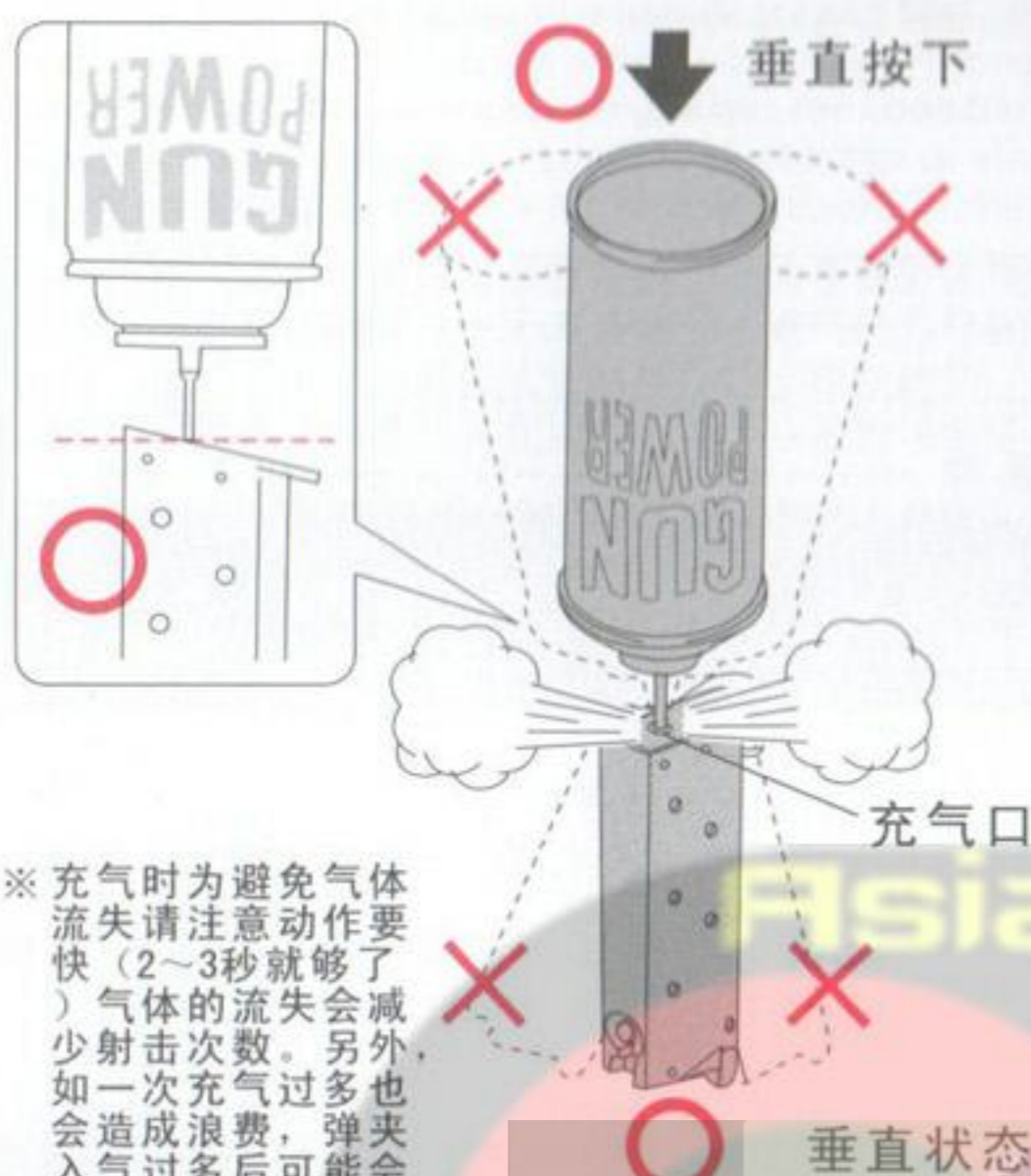
枪体滑套有可能产生后退惯性，请注意脸部和手指不要太过贴近。



- 本产品因气体压力而可能产生滑套惯性后退，如不留意可能会导致意外受伤事故，所以请注意脸部和手指不要太过贴近。
- 在40℃以上的高温场所使用本产品时有可能发生破损事故，敬请留意。

2. 瓦斯的注入（充气）

- 将弹匣倒置（即瓦斯在上弹匣在下），将气瓶与弹匣作垂直状态，然后再把储气瓶对准充气口位置按下即可进行充气。



△ 弹匣使用上的注意

- 如在气温为20℃以下的室外环境进行操作会比较费劲，所以最好在室内恒温的环境下操作装置弹匣后进行射击游戏。（如弹夹很冻其威力会下降）
- 充气饱满的弹匣在连续射击了数十发子弹后也会缺气不够用，请准备好备用弹匣以供继续游戏使用。
- 弹匣的制作精密，请勿随意跌落以防产生破损或故障。
- 如觉得操作起来不太流畅，可仔细检查一下弹匣顶部凸缘或排气阀等位置是否有灰尘或污垢。
- 为防止弹匣脱色变色，使用后最好请在其表面上涂上一层薄薄的气枪专用的硅树脂润滑油。
- 为防止枪体及弹匣出现意外故障或操作故障，请不要将产品放置在潮湿或近水的场所。

△ 警告·注意

- 充气时动作应垂直且稳定，切勿晃动，弹匣倾斜会使充气口位置偏移，导致充气不足。
- 充气时如用手按住排气口，会导致瓦斯向外喷射，不要用手按压排气口，否则会引起意外受伤事故。



- 弹匣或瓦斯瓶请勿放置在高温炽热的场所。（万一发生弹匣破裂将会非常危险。）

3. BB弹的装入（请使用与电动枪精密对应的0.2g~0.25g的子弹）

- 如下图所示顺序装入大约18发的BB弹。



在托弹板按到最下方然后将BB弹从弹匣下端的夹缝逐个装入。（装入17发子弹）

剩下的一发子弹从弹匣的凸缘处装入。（装入18发子弹）

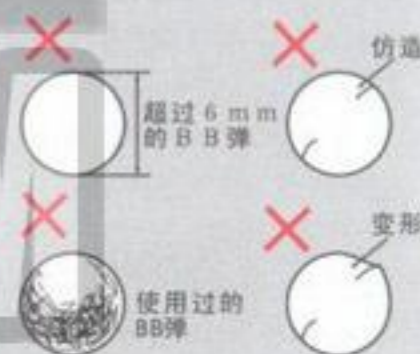
※请密集地装入BB弹。

△ 注意

- 当按住托弹板到最下方时，手指不要松开，否则会导致弹匣凸缘破损。

△ 警告·注意

- 本商品的外枪管制过程精密，请勿使用仿制的或回收过的劣质BB弹，并且不可使用超过6mm的BB弹，以免引发意外故障。



4. 弹匣的装置



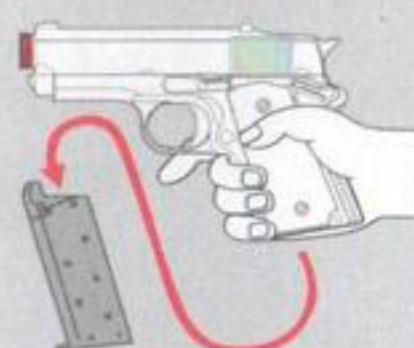
- 弹匣装置完毕时会听到“咔嗒”一声。（装置时请勿用力过猛）



- 退出弹匣。按下弹匣卡榫按钮（退弹匣时为避免跌落破损请从下面用手掌接住）

△ 警告·注意

- 装置弹匣时请勿随意把手指扣在扳机上。
- 为安全起见，如暂时不使用，必须将弹匣从枪体中取出。



5. 首弹（第一发子弹）给弹

- 将滑套拉到最大然后一放手，滑套就猛烈回弹，同时第一颗子弹就从手枪枪体送入枪膛的后座内（参照P7~9），成为可发射的状态。（枪膛也倾斜，形成待发的状态）



※如①将滑套拉到一半，②将滑套缓慢地放回的话，都成为子弹发射不良的原因。

※如果将这样的操作不断反复进行的话，BB弹能有好几颗被送入，造成故障的原因，并且在发射的时候也很危险。

⚠ 注意

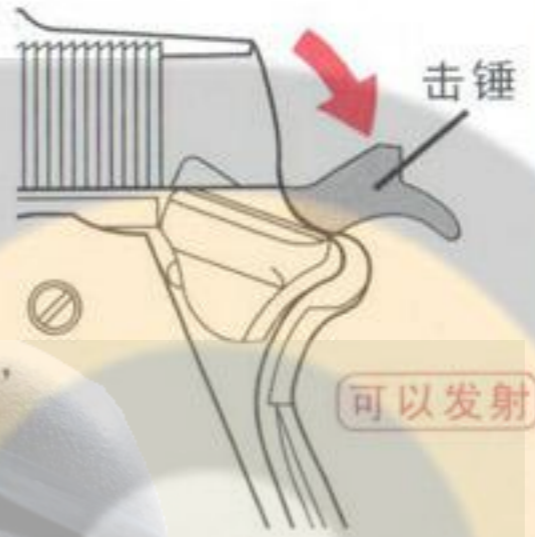
- 拉滑套的时候请务必将总安全装置设定在安全OFF（P5·6）上。

⚠ 警告·注意

- 执行这一操作时请注意手指不要扣在扳机上。
- 操作完毕后，确保BB弹进膛室呈发射状态才可以手扣扳机。注意枪口对准的方向。
- 注意！不到发射时不要扣动扳机。

● 击锤的待发状态

是击锤完全处于倾斜的状态。只有在待发的状态下，BB弹才可能发射。



- ※假如不拉滑套，用手将击锤倾斜于待发状态的话，第一颗子弹不能发送。（P6·7），第一次扣扳机，只是进行后坐退膛，从第2次扣扳机开始，就进行后坐退膛和BB弹的发射。本操作存在误射的可能性，非常危险，一定要注意。

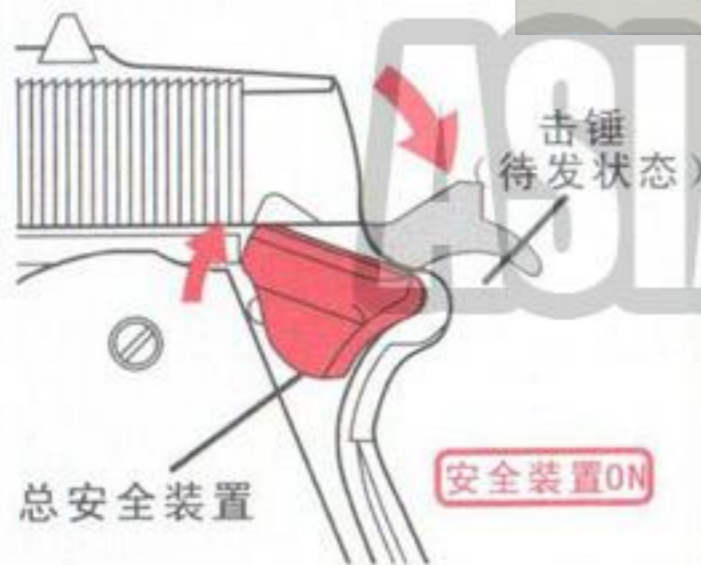
6. 安全装置

⚠ 注意

- 假如不马上使用的话，为了安全起见，请将保护套装上，而且设定在击锤关闭 Hammer down的状态，并且，安全装置要处于ON的状态。

■ 总安全装置的操作

只有在击锤处于待发状态的时候，才能进行总安全操作。



安全装置ON



安全装置OFF

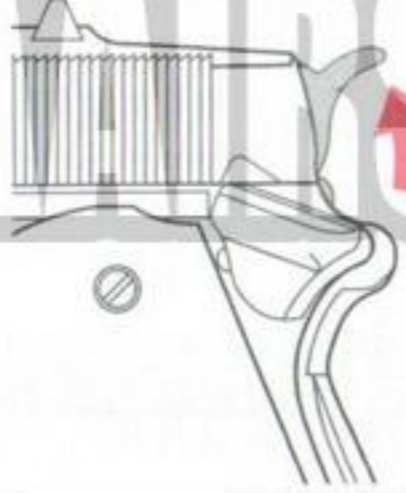
将总安全设定在ON的期间，扳机和滑套不能动作，会成为破损的原因，所以在安全处于OFF之前，请不要扣拉扳机和滑套。

⚠ 注意

半待发状态是安全上设置的位置。在通常的使用下，没必要将装锤设定在这里。万一处于这样的状态下，首先必须将子弹盒拔开，绝对不要触动扳机，用手指将撞锤扣到待发状态。

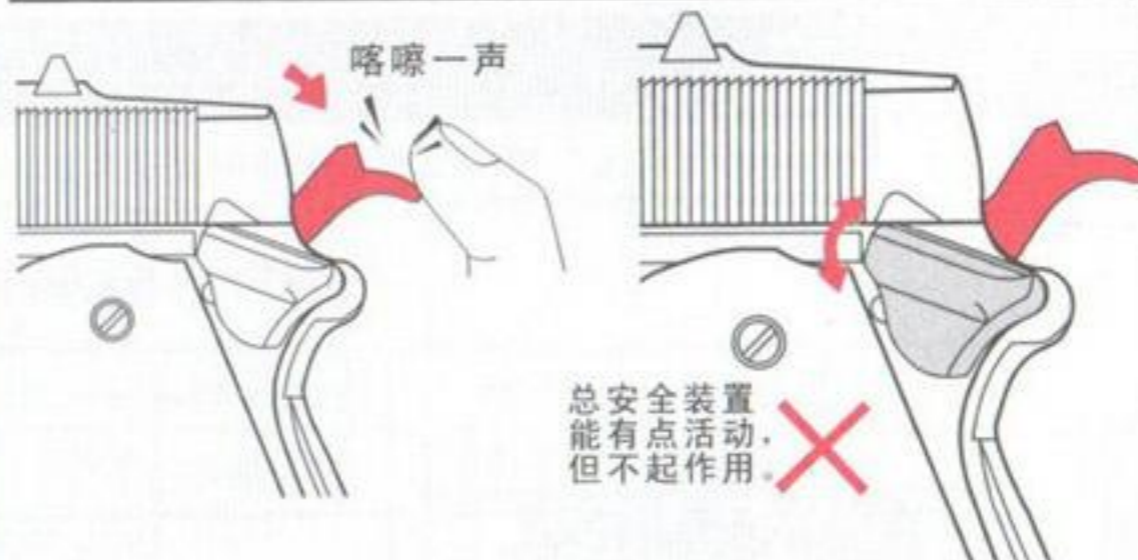
● 击锤关闭和半待发

击锤处于以下的状态下不能进行总安全操作。而且不能扣动扳机，BB弹不能发射。



击锤关闭

第一颗子弹没有发送的时候，还有保管的时候，搬动的时候，请经常设定在击锤关闭的状态。请按照P8·10的顺序，进行空击)



击锤处于待发状态和击锤关闭的中间状态。

⚠ 警告·注意

- 在发射之前，将安全设定于OFF状态。
- 在进行安全操作的时候，请不要用手指扣动扳机。

※请将保护套经常处于装着的状态，在发射之前才将之拿掉。



● 手指扣住扳机的时候，请绝对不要触动击锤，滑套后坐有可能作成意外的伤害请注意。

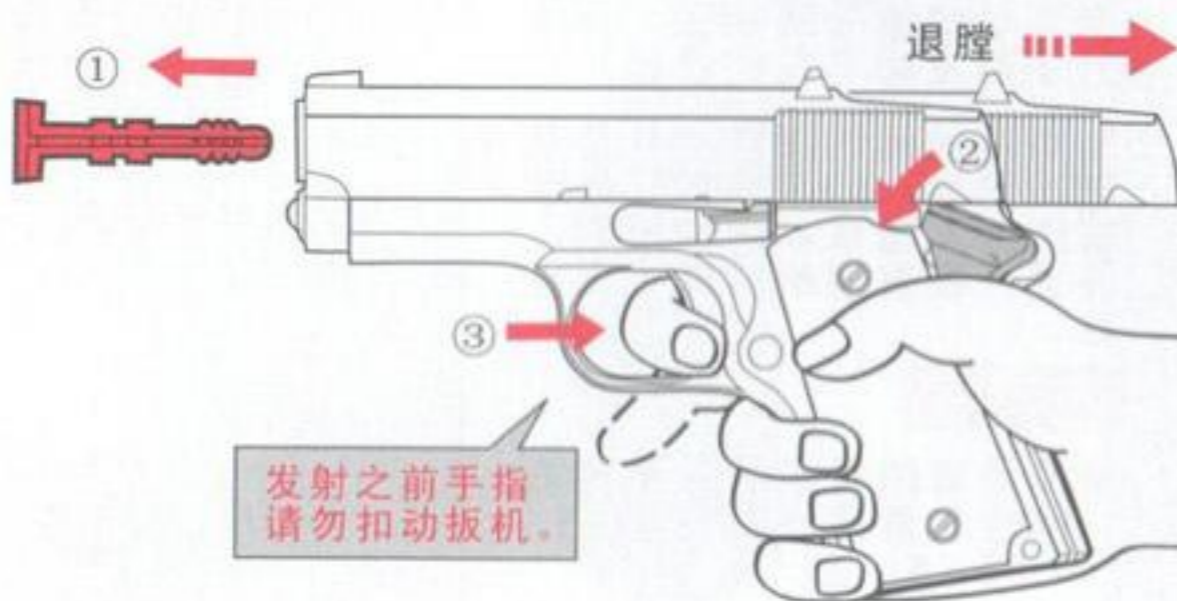


7. 发射（这时候手指开始扣在扳机上）

■ BB弹发射、滑套退膛

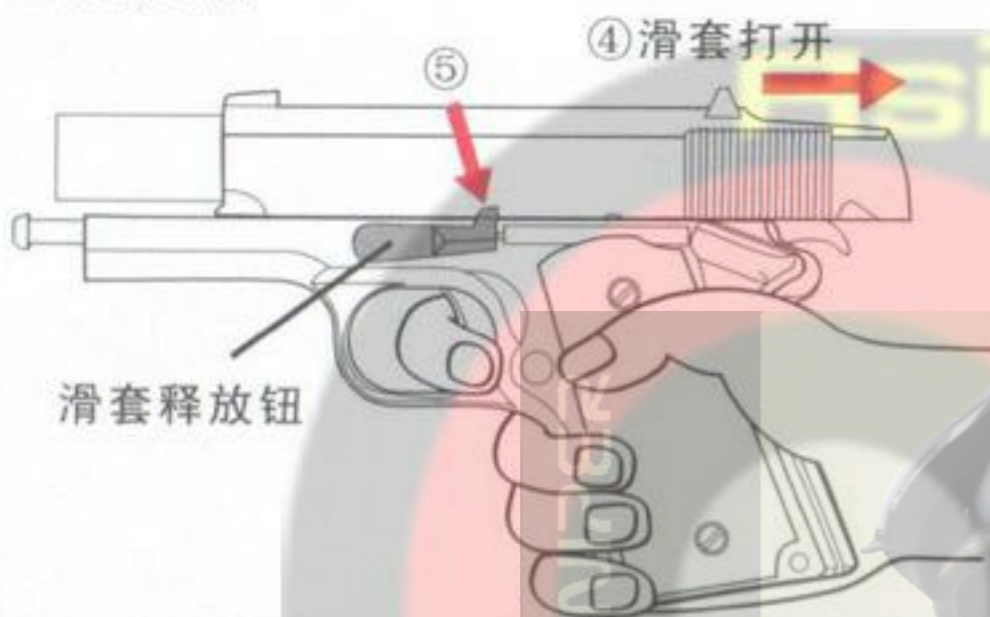
●首弹给弹后，举手扣扳机…重复以下步骤：

「发射第1发BB弹」→「退膛（即滑套后退）」→「次弹（第2次）给弹（即滑套前进）」



- ①取下保护套
- ②关闭保险
- ③手指挂上扳机，连带扳机保险扣动扳机。（BB弹发射BB、滑套回膛。）

■ 滑套分解



④射出BB弹时产生爆发力，把滑套向后推，产生后座力，形成滑套打开的状态。

⑤按下滑套释放钮送滑套回定位。

※滑套回到打开时，即子弹发射后爆发力用尽后，滑套又会被回膛推回向前，而这动作又会把弹匣内的下一颗子弹推进膛室，以作下一轮的准备发射。

△ 注意

- 滑套的边角局部锐利，抽出分解时要注意手指等不要被划伤。
- 操作时要严格注意手指不要随意扣动扳机，注意枪口的对准方向。

● 关于功率低下的问题

由于发射而使枪盒内的气体变少，枪盒的温度下降过度的话就会引起气体低下。在以下的情况下，注入气体，弹匣的温度上升到20度以上的话，就恢复正常的动作。

- 后坐的动作迟缓
- 滑套释放钮不起作用
- BB弹飞行距离过短

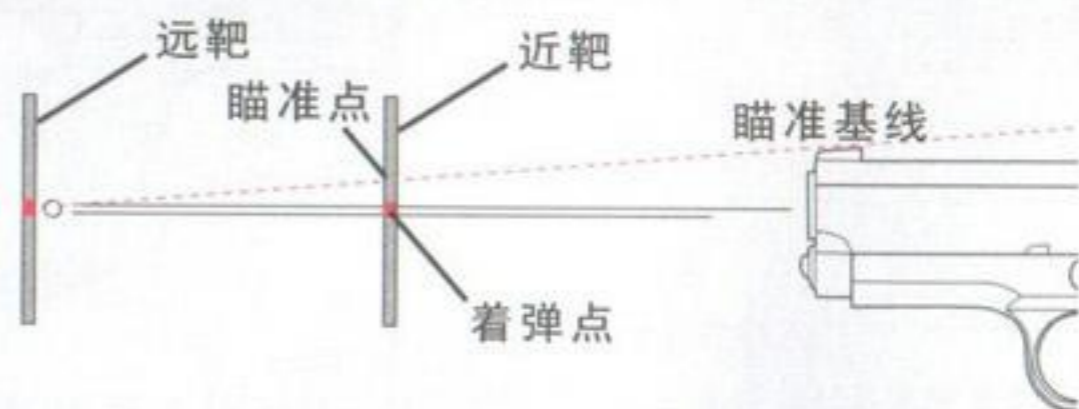
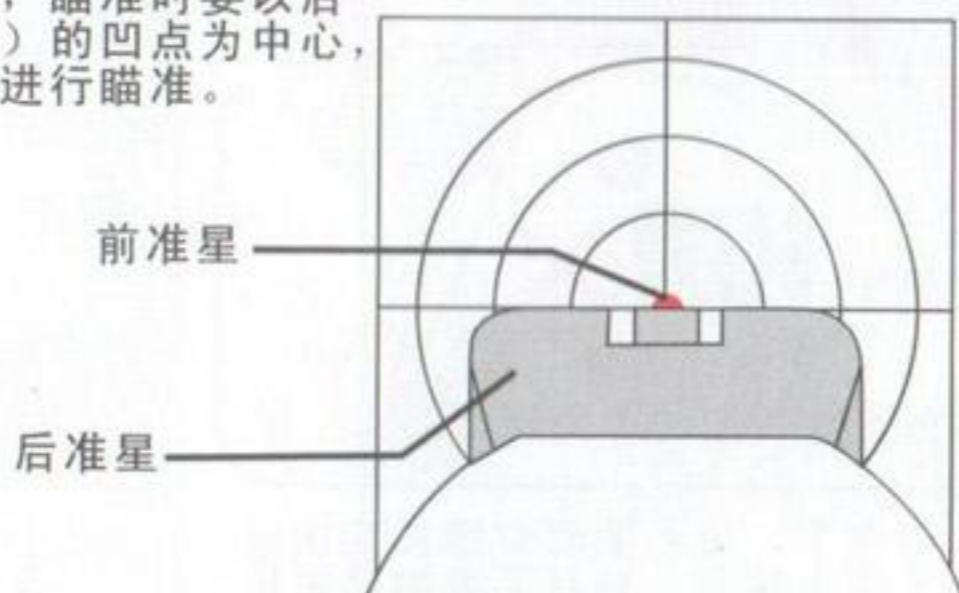
● 射击时枪体必须直立。

禁止将枪倒置（倒置时，气体会从枪口漏出，引起脸部危险，或因撞击而引起零件磨损。）



8. 瞄准具

●如右图所示，瞄准时要以后准星（照门）的凹点为中心，对正前准星进行瞄准。



※近靶射击时，参照左图瞄准方法，向下瞄准着弹点。因本商品在前后准星上没有着弹点的调整机能，所以，当着弹点正下降时请瞄准靶子的上方

△ 警告·注意

- 为避免意外受伤，扣动扳机时禁止脸部或手部贴近滑套。
- 为安全起见，玩枪时必须戴上护目镜。

9. 可变的上旋系统调整

ARMY的瓦斯枪上旋系统是指：瓦斯枪射出BB弹时会带有向上的旋转，即是当BB弹向前飞时会和空气产生摩擦，空气会在BB弹的四周滑过，如果BB弹是在向上旋转的话，空气对BB弹的摩擦力，上面要比下面小，而下面的摩擦力大于上面时就会产生轻微的浮力，可以抵消一部分地球引力，从而使BB弹飞得更远更直！而旋转得愈快上下摩擦力的差异就愈大浮力也就更大，但过大的浮力会令BB弹向上“飘”。本商品所配置的可变上旋系统调整器会把BB弹垂直逆转，令BB弹微微上扬，以对抗地心引力，使射程及准确度提升，将枪支的弹道调整至最佳状态，使得准确度更为理想。

■ 调整方法（参照6、7项的发射步骤，试射时作适当调整。）



- 按①—⑤的顺序操作。
- 按各人的需要稍微调整旋钮向上旋。(使BB弹水平飞射得更好)
- 不要过度调整转动旋钮以免影响上旋效果。
- 请按旋钮的调整界限位置来稍作调整, 如果将旋钮随意调到尽头可能会导致枪支发生故障。
- 调整完毕后请参照P9~12项的组装。
- 注意! 旋钮转向正常方向时, 如果这时出现BB弹从膛管向枪口处漏出, 俗称“漏弹”或“呕弹”, 这时要适当将旋钮调整到上旋/HOP位置。(这样可避免因BB弹卡弹而引发的故障。)

注意 旋钮转向正常方向时, 如果这时出现BB弹从膛管/Chamber packing向枪口处漏出, 俗称“漏弹”或“呕弹”, 这时要适当将旋钮调整到上旋/HOP位置。(这样可避免因BB弹卡弹而引发的故障。)

■ 如下图所示调整BB弹发射位置至最佳。



使用上的注意 (请一定注意遵守)

- 上旋钮旋转操作过度时会发生卡弹现象。如发生卡弹后仍继续发射, 会导致枪支的内部结构损坏。
- 如发生卡弹情况应马上停止发射, 立刻将旋钮调回到“正常”位置, 利用清洁杆等适当工具将BB弹取出。(参照P9~13)
- 使用清洁杆等工具清取BB弹时, 请务必将旋钮位置调至“正常”。(如没有调至“正常”位置会磨损枪支内部零件包括膛管。)
- 请勿使用旧弹、污脏了的或规格不符的BB弹。(这样会使枪管沾染尘屑, 容易造成不安定或卡弹等原因。)
- 不合规格
- 当发射5000发子弹后要密切注意膛管的清洁, 要经常用正确的方法擦拭, 并使用硅树脂润滑油喷上0.5秒~1秒, 使之保持清洁。(参照P9·13 1~3项, 使用润滑油之后约有50~60发弹可能在上旋方面会出现少许的不安定因素, 但那不属故障。)
- 如使用错误方法私自改装、分解枪支等所造成的各种意外事故或故障, 本公司概不承担任何责任, 而且一切维修费用应由客户自己承担。

发生上旋操作不好情况时... ※请到自己所购买瓦斯枪的商店进行咨询。

枪的状态	原因	对应的方法	枪的状态	原因	对应的方法
子弹上飘	上旋调整过度	请将旋钮向“正常”方向稍稍调整一下	不能调整	膛管或零件破损	参照※1
子弹射速不足	上旋过弱	请将旋钮向“上旋HOP”方向稍稍调整一下。	出现卡弹现象	上旋调整过	请将旋钮向“正常”方向稍稍调整一下
	膛管沾染尘屑或油污	可更换4~5个弹匣试射看, 后利用清洁杆等工具清洁枪管。		BB弹规格不符或口径太大	请使用 ARMY 瓦斯枪所对应的0.2g~0.25g的BB弹。
	膛管出现摩擦破损	参照※1		膛管不干净弄脏了	用清洁杆等工具对膛管进行清洁(P9·13项)或者参照※1

警告·注意!

请一定使用ARMY瓦斯枪所对应的0.2g~0.25g的BB弹。

●本商品是ARMY为所对应的瓦斯枪配置的制作精密的0.2g~0.25g的BB弹。如使用其它类型的或质量不好的BB弹可能会很容易造成卡弹, 而且会磨损枪身零件和枪管, 对枪造成损坏

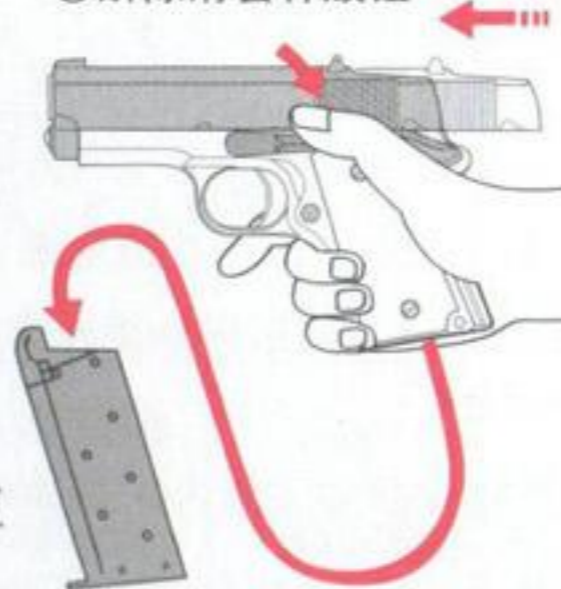
关于可变的上旋HOP-UP系统的注意

- 开始发射后, 如出现关于上旋系统的一些不安定因素时, 可能是因为弹筒里面的润滑油附着BB弹所致, 在发射60~70发子弹后弹道会更顺畅, 关于上旋的不安定因素也排除了, 上旋系统也会处于正常状态。另外, 这也与正确使用润滑油来保养枪支的注意方法相同。
- 使用清洁杆等工具清取BB弹时请小心注意不要磨损到枪管或枪支内部零件。(参照P9·13 1~3项)

10. 发射完毕 (保管)

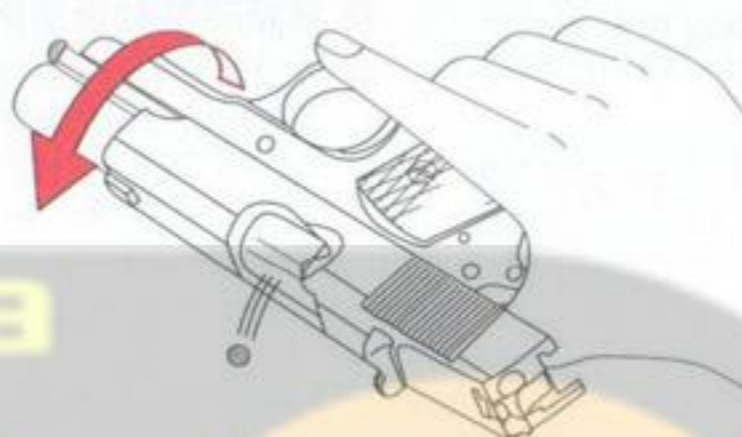
- ① 按下弹匣卡榫按钮，取下弹匣。
- ② 确认枪管内是否还有残留的子弹，如果还有，请取出剩余的子弹。如果子弹卡住不出来，请参照P9·13·2项将剩余的子弹清除。
- ③ 按下滑套释放钮回位。
- ④ 枪口朝向安全方向扣扳机单发一下，空击。（使击槌回位）
- ⑤ 套上保护套，将瓦斯枪装入枪盒放置到安全场所保管好。

③解除滑套释放钮



①卸下弹匣

②取出残余的子弹。



⑤套上保护套

④扣动扳机

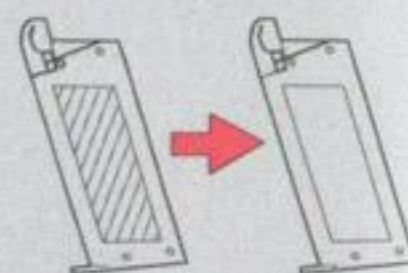


警告!

●禁止将枪支放置于40℃以上的场所、阳光直射着的场所或汽车中。

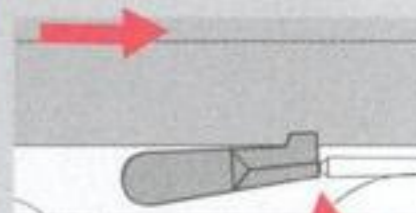
警告·注意!

- 如弹匣中仍有残余的BB弹，要将枪口对着安全方向扣动扳机将余弹发射出来。
- 如弹匣内仍有残余瓦斯必须清除后才可保管枪支。可在不装入BB弹的情况下，枪口朝向安全的方向或对着天空扣扳机空击几下，将残余瓦斯射尽。



●将弹匣里面剩余的BB弹发射完毕后，要手动打开滑套。

①拉开滑套



②滑套释放钮向上

11. 正常拆解

1. 按住弹匣的卡榫按钮，将枪盒卸开。



弹匣卡榫按钮

※注意跌落!

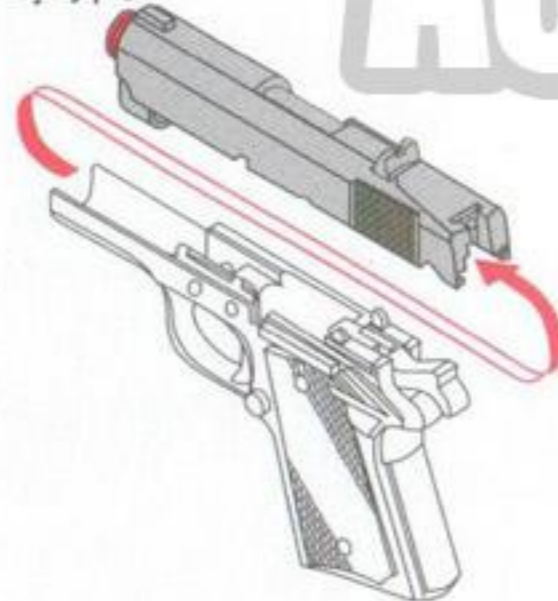
2. 将滑套集成件向后面错开，与切口吻合，将滑套释放钮取下。



切口

滑套释放钮

3. 将滑套集成件向前方卸开拿掉。



4. 将复进簧导杆向前方压出来，在复进簧处于压缩的状态下，将复进簧阀塞一个一个从复进簧导杆取出。



将复进簧在压缩的状态下取出

复进簧阀塞

复进簧

复进簧导杆

5. 将枪管集成件向前方按压取出。



※枪管集成件假如压在滑套上的话，有可能会被挂住而拔不出来。

✗



警告·注意!

●禁止将本说明书中的「通常分解」和附页中的「瞄准器的更换」所叙述部分进行分解或改造，如不按照正常的说明来操作而进行自我的错误改造操作，可能会诱发其它危险。

●如不按照正常的说明来操作而进行自我的错误改造操作等，所引发的意外危险事故或受伤、故障等等，本公司概不承担一切责任，而且一切维修费用应由客户自己承担。

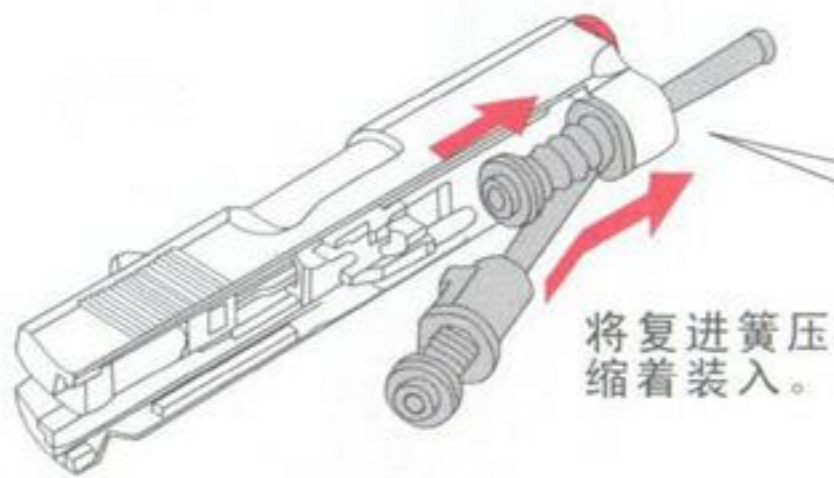
●取出复进簧垫片与复进簧时应小心注意零件可能会脱手飞出掉落。

12. 组装 (注意以下各点, 与上面的通常分解部分正好相反)

警告·注意!

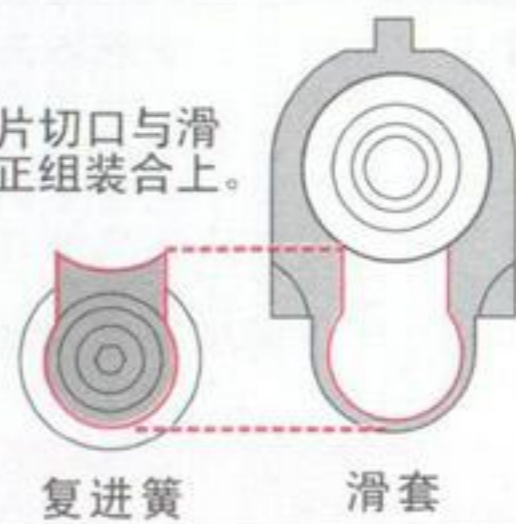
●因违背零件操作程序或操作欠缺等所引发的各种意外事故或受伤、故障等等, 本公司概不承担一切责任, 而且一切维修费用应由客户自己承担。

复进簧装入时



注意

●将复进簧垫片切口与滑套的切口对正组装合上。



13. 瓦斯枪的维护保养

警告·注意!

1. 为使各部件之间的转动顺畅, 在操作“通常分解”之后, 请使用气枪专用的硅树脂润在各活动位置为枪支做定期上油的保养。

2. BB弹卡弹的解决方法



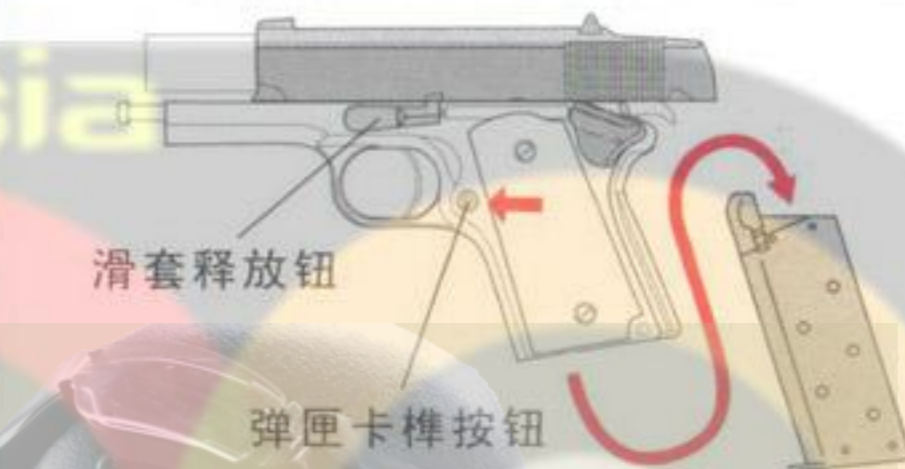
保养完毕后请参照P9·12项进行组装。

◇空心箭头符号的表示用喷油器轻轻喷上润滑油

▼实心箭头符号的表示薄薄地涂上润滑油。

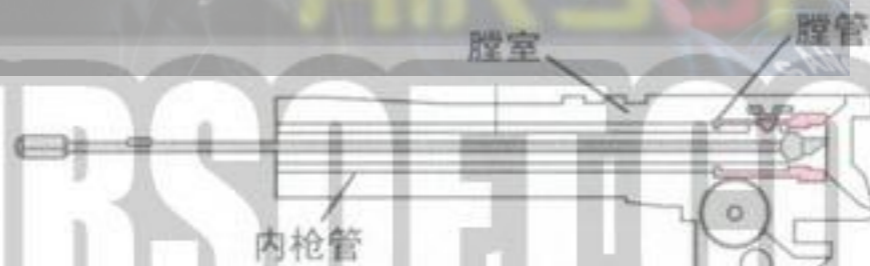
※操作时请勿使用长喷嘴。

※如出现螺丝松动的情况请用螺丝刀修正拧紧。



- ① 按下弹匣卡榫按钮, 卸下弹匣。
- ② 打开滑套释放钮, 使滑套呈打开状态。
- ③ 将清洁棒从枪口处插入进行清理

④ 将卡住了的BB弹清理出来。



注意! ●上旋HOP调整应转回到“正常”位置。

●为防止上旋HOP操作效果, 要经常给气阀周边处上油。

●一定要使用瓦斯枪专用的喷枪油和专用的硅树脂润滑油。请勿使用CRC矿物油等来代替(会使枪内零件受到腐蚀)。

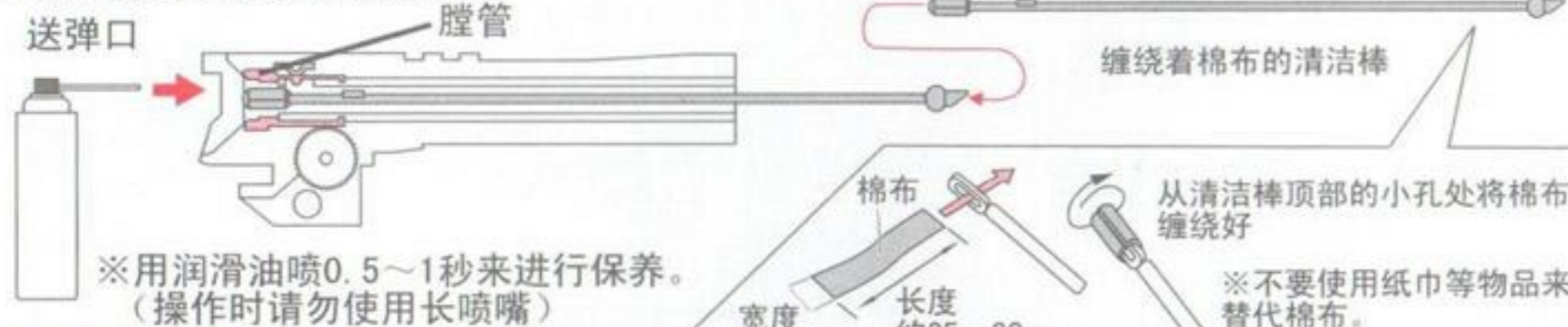
●应定期给弹匣和汽缸上油以保障上旋系统的正常操作

●使用清洁棒进行清洁时必须要将HOP钮调到“正常”位置。

●因膛室内部是由精密零件所组成, 请勿使用旧BB弹发射。清洁保养时请使用专用的清洁棒来进行操作, 请勿使用其它硬刷等物品代替操作, 以免损坏内部零件。

●保养后的枪支在发射约60~70发子弹后可排除HOP方面操作上的一些不安定因素。

3. 防止集弹性发射的保养方法



※用润滑油喷0.5~1秒来进行保养。(操作时请勿使用长喷嘴)

保养的顺序

- ① 从送弹口处喷润滑油约0.5秒~1秒的时间。
- ② 使用清洁棒cleaning rod (带棉布的清洁棒) 如上图所示进行清洁。(装弹入匣时, 用手击打一下弹匣。)

从清洁棒顶部的小孔处将棉布缠绕好

※不要使用纸巾等物品来替代棉布。

将棉布剪切成如左图般大小的规格, 然后从清洁棒顶部的小孔处将棉布缠绕好。(按棉布的厚度缠绕到清洁棒可顺畅地伸入到枪管处, 长度可根据需要而改变。)手持清洁棒开始对枪管进行保养清理。

14. 枪动力液状气体（生气体）的特性

■ 关于液态气体（生气体）

往弹匣灌入的液态气体在内部汽化，膨胀而产生压力，由于释放此汽化气体而使产品动作。（扣动扳机的话与枪体配套的弹匣里的汽化气体就被释放。）

大量的汽化气体急剧地释放，弹匣的温度下降的话，气体的压力就会降低，连汽化之前的液态气体也释放出去。在这样的情况下，能够发射的次数就会减少，性能明显下降，而且由于释放的液态气体而被冻伤的危险也存在，所以请务必注意以下的情况。

由于液态气体极为低温，所以接触到身体的话就可能引起冻伤，低温灼伤是非常危险的请注意！

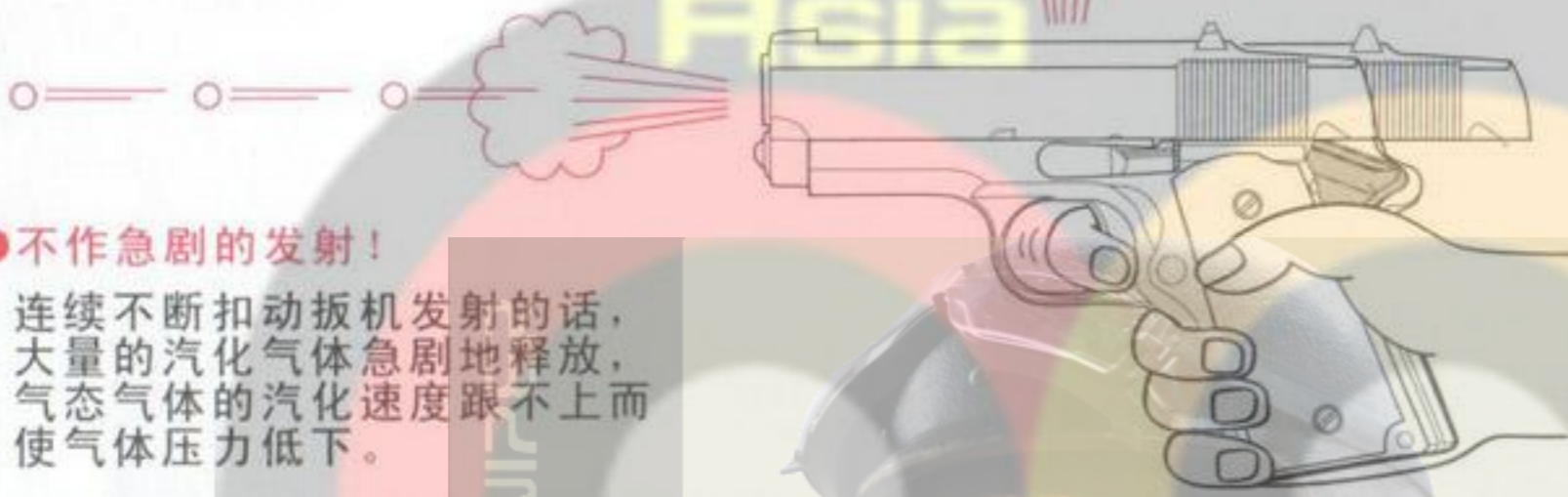
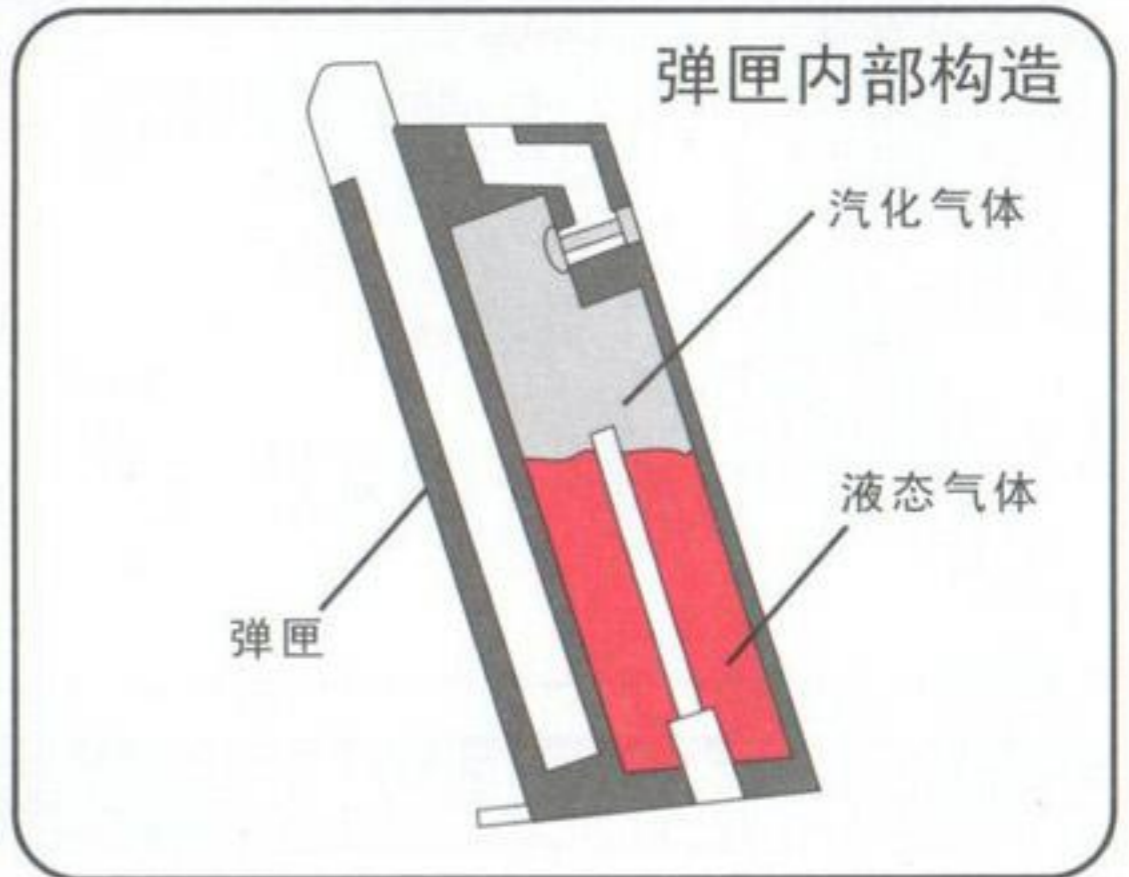
● 在气温低下的地方不发射！

外气温越低枪盒的温度也就越下降，气体的压力就容易变低。所以建议在在一定温度（20度以上）的地方发射。

（冬季等气温在20度以下的环境下，在室温20度的室内发射也有可能出现枪盒过冷的情况）

● 不作急剧的发射！

连续不断扣动扳机发射的话，大量的汽化气体急剧地释放，气态气体的汽化速度跟不上而使气体压力低下。



■ 弹匣过冷的话就休息一下！

弹匣一冷的话，内部的气体压力就会处于低下的状态。发射的时候请务必确认使弹匣的温度在20度以上。弹匣过冷的情况下，请将之从枪体卸开，用手掌等使其温度恢复到20度以上之后再使用。

※弹匣内的气体充满之后，气体没有马上充分汽化，所以压力低下。

※进行连续发射的情况下，请准备备用弹匣的，相互交替装入使用，效果更好。

△警告·注意！

夏季等时候，请绝对不要放置在温度变高的地方。弹匣会出现意外破裂的情况，非常危险请一定注意。

15. 故障及维修

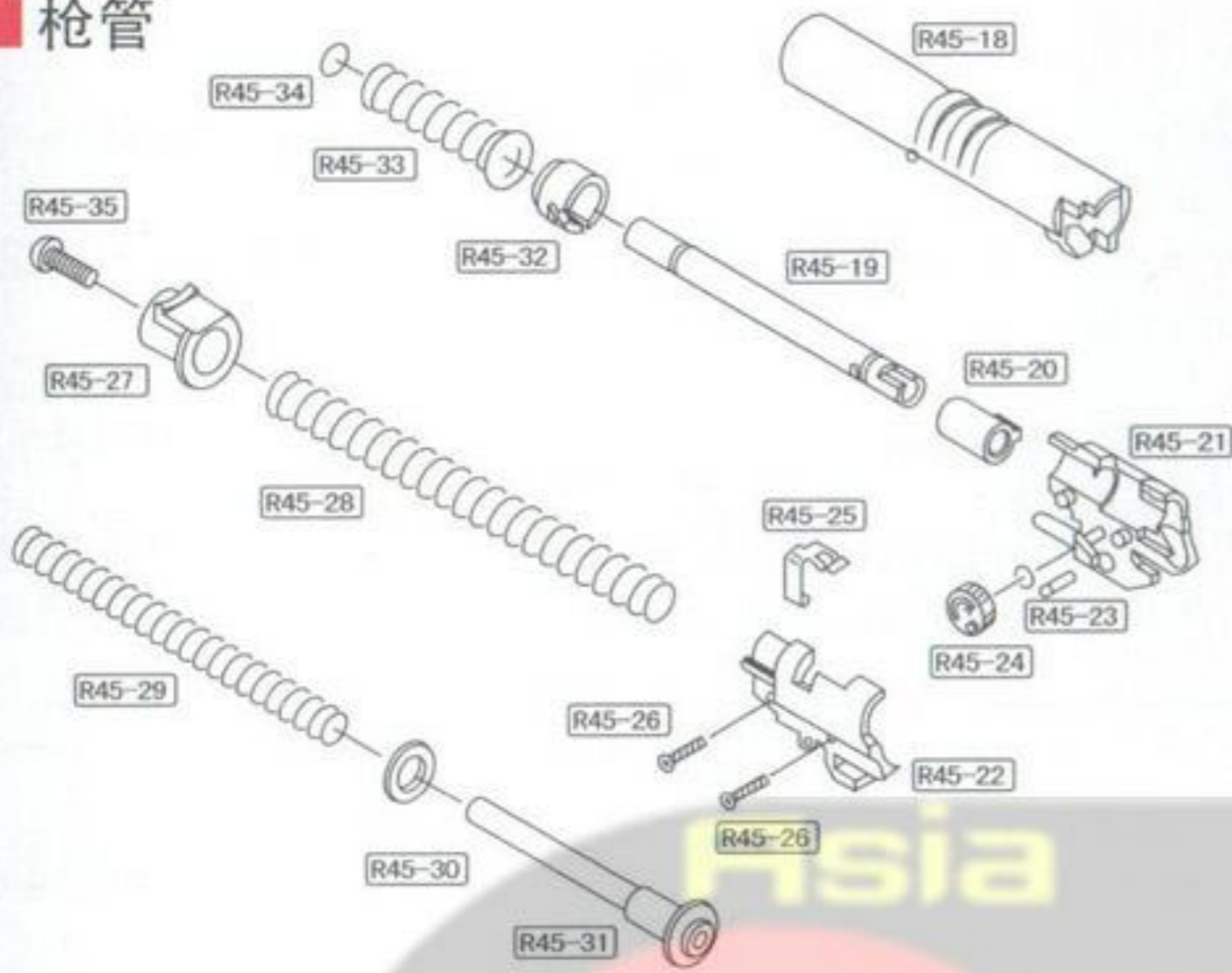
枪的状态	原因	对应方法
无法操作	保险装置是否正确	将保险调至OFF位置。P5·6
	一次充气过多	从排气阀处放出少量的瓦斯。 警告 禁止将排气阀对着他人进行操作。
	充气不足	瓦斯充入量不足时（特别是低温时）所需的压力气也不足，不能提供枪支足够的动力。请适量加充入气。（P4·2）
	是否漏气	※1
子弹射不出来	检查是否装入BB弹	请正确装入BB弹（P4·3）
	弹匣内是否有BB弹卡住	使用约3mm规格的塑料清洁棒伸入弹匣内上下转动两三次将卡住了的BB弹取出。（请使用规格符合的BB弹）
	弹道是否破损	※1

枪的状态	原因	对应方法
滑套前进不了	送弹口附近是否有BB弹或其它异物。	打开滑套，将送弹口附近的BB弹或其它异物清除掉。
BB弹发射时出现滑套操作不灵	是否气温过低（冬天等原因）	取出弹匣，让弹匣回暖即可，或准备好备用弹匣作为交替使用。
	气压不足（一个弹匣在长时间使用或连续射击了数十发子弹后会因为缺氧而不够用等。）	
	是否瓦斯用尽	请充气。（P4·2）
	是否汽缸内阀及活塞阀扣出现问题所致	※1
BB弹飞行距离变短的原因	是否垫圈出现磨损破裂	请尽快上油保养枪支（P9·13·1）
	枪支是否缺少保养上油	
	检查膛管是否破损	※1
BB弹飞行距离变短的原因	气门弹簧是否松懈	※1
	气阀零件的破损所致	

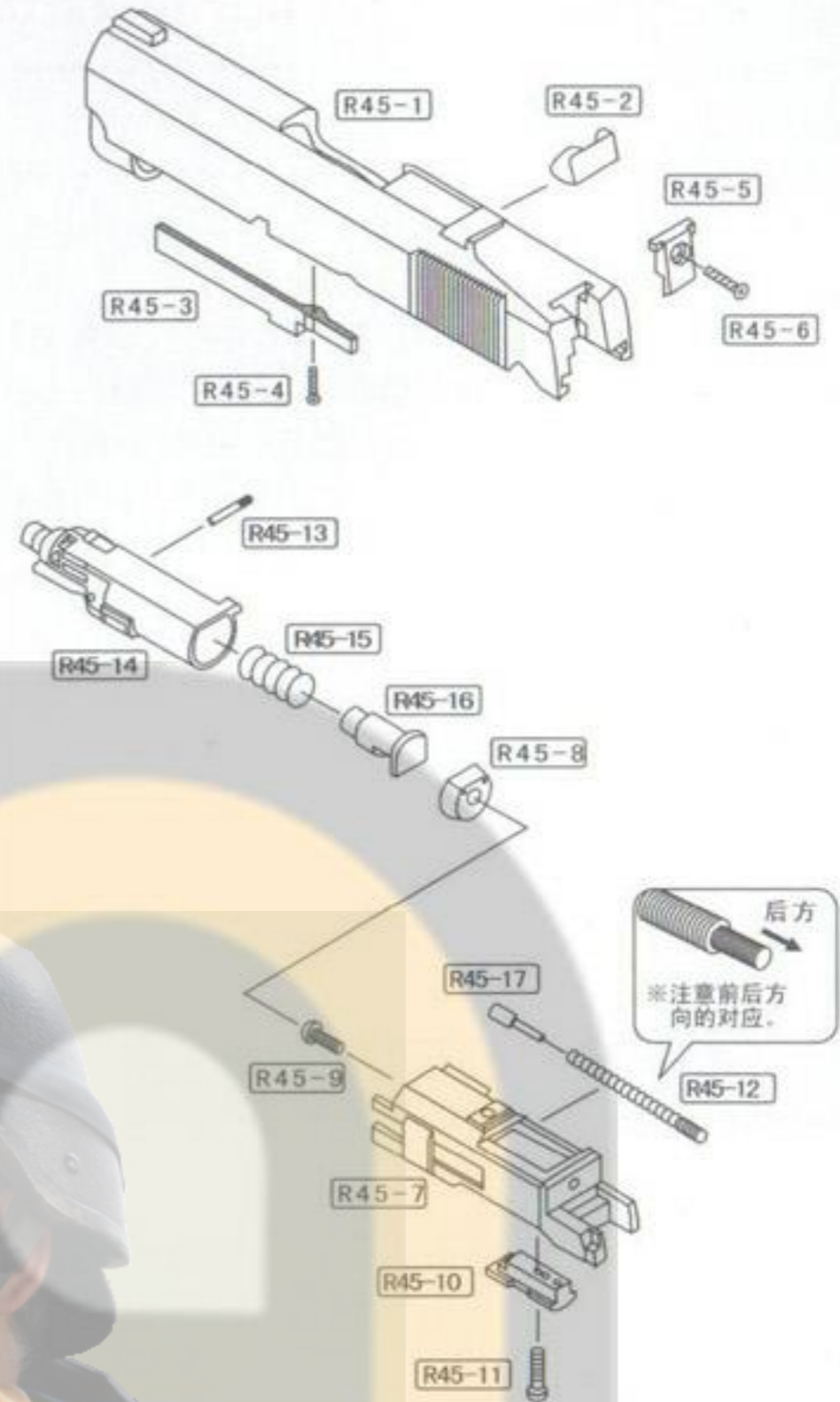
※1—请到自己所购买瓦斯枪的商店进行咨询。

16. 零件

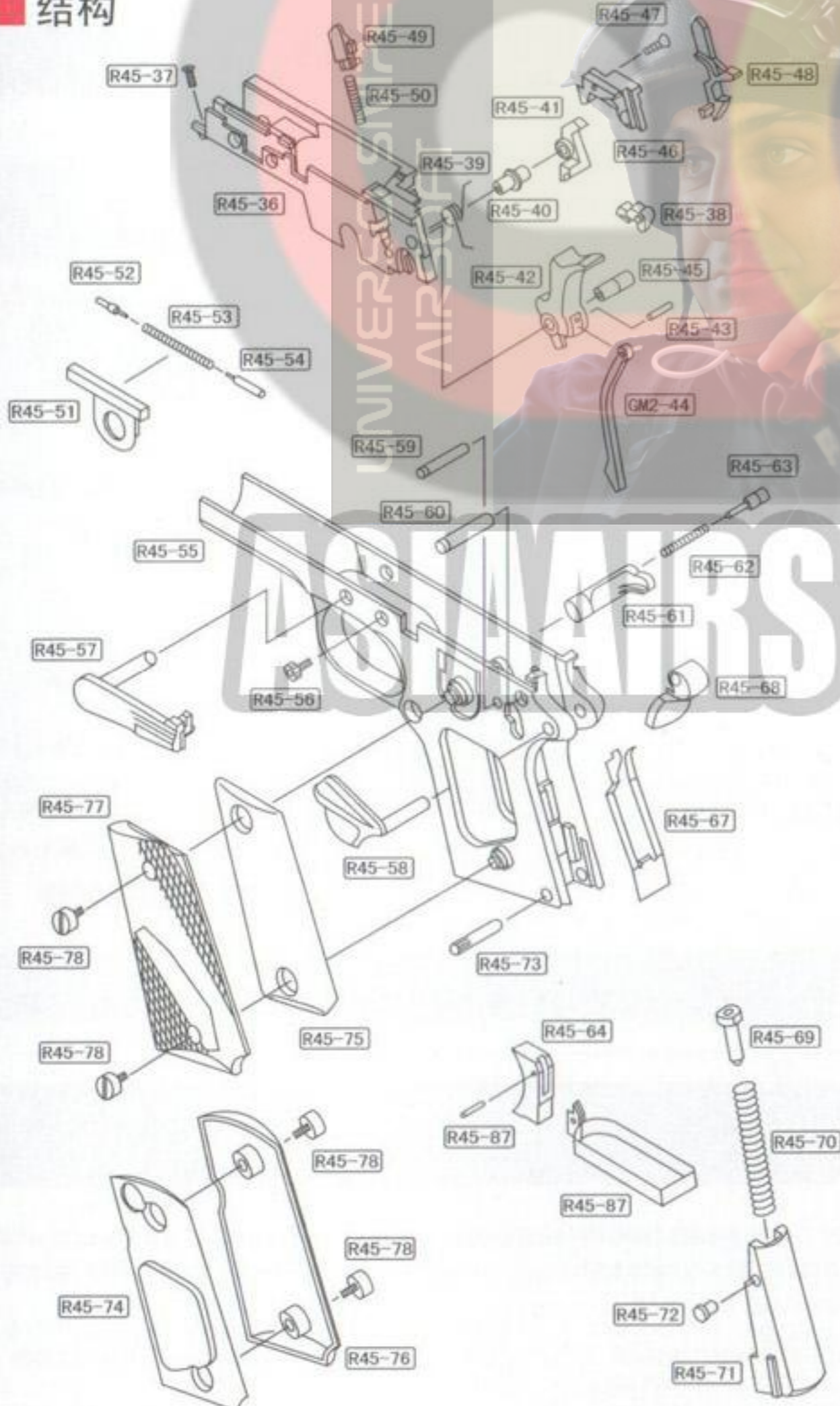
枪管



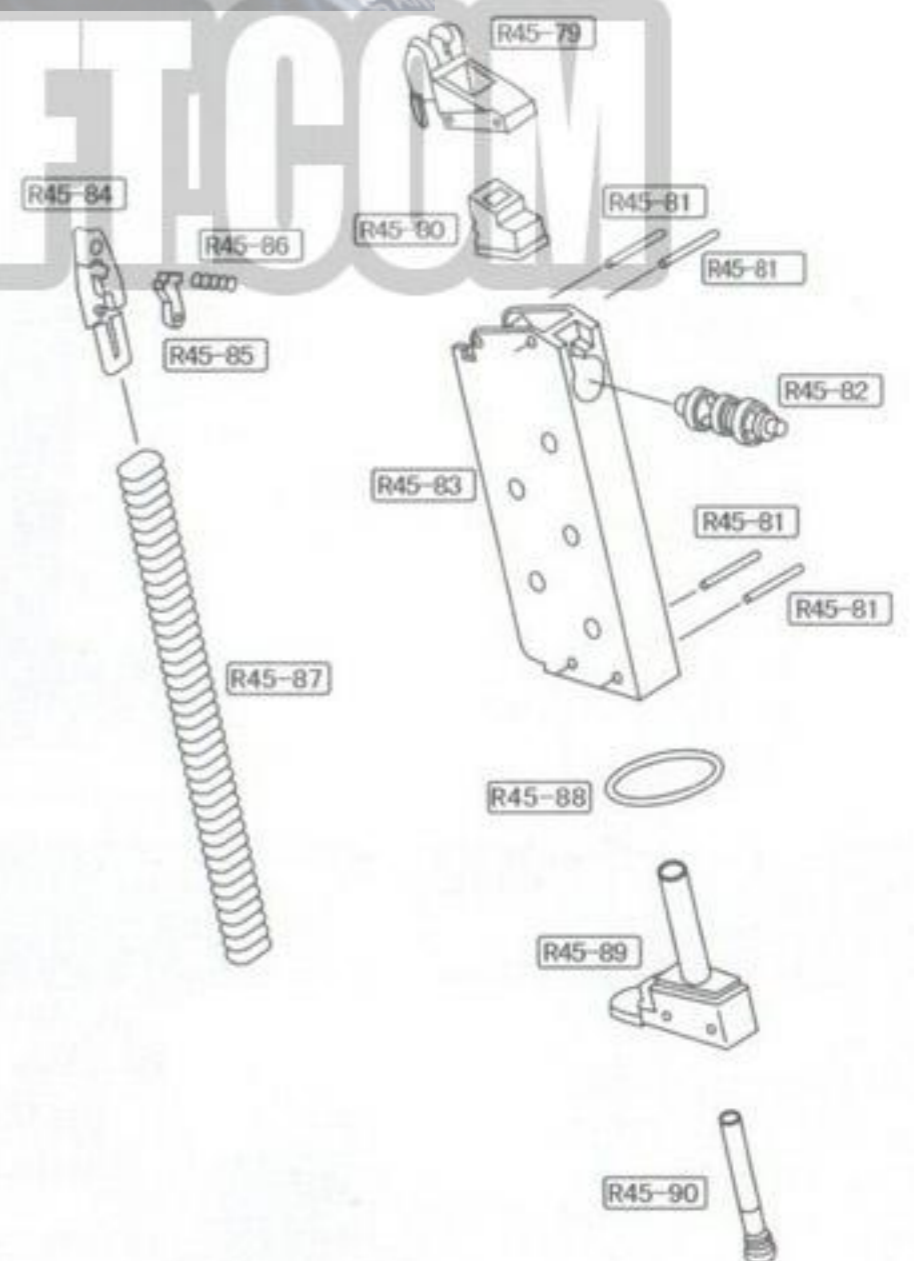
滑套



结构



弹匣



INSTRUCTION

READ BEFORE USING.

Notice.....	P1~2
Instruction	
Parts Lists	P12
Inflating, assembly of BB bullet, safety and magazine set	P13
shooting of the first bullet , Safety, shoot and sight	P14~15
Hop-up adjustment, shooting completeness, normally disassembly, assembly structure, maintain	P16~18
The characteristic of liquid form air, Trouble and maintenance	P19

<Assembly Notice • Instruction>

- This instruction gives operation explanations in accordance with the safety standard of R45 established by ARMY
- Warning: Ignorance of warning and notices resulting faulty operation can lead to failure or accident and cause great danger. Any damage caused by reasons above is not within our company's responsibility.
- Please mind our notice about any alteration of instruction content or exterior of product.

1. Parts list (Do remember to read the instruction on all pages)



⚠ WARNING!

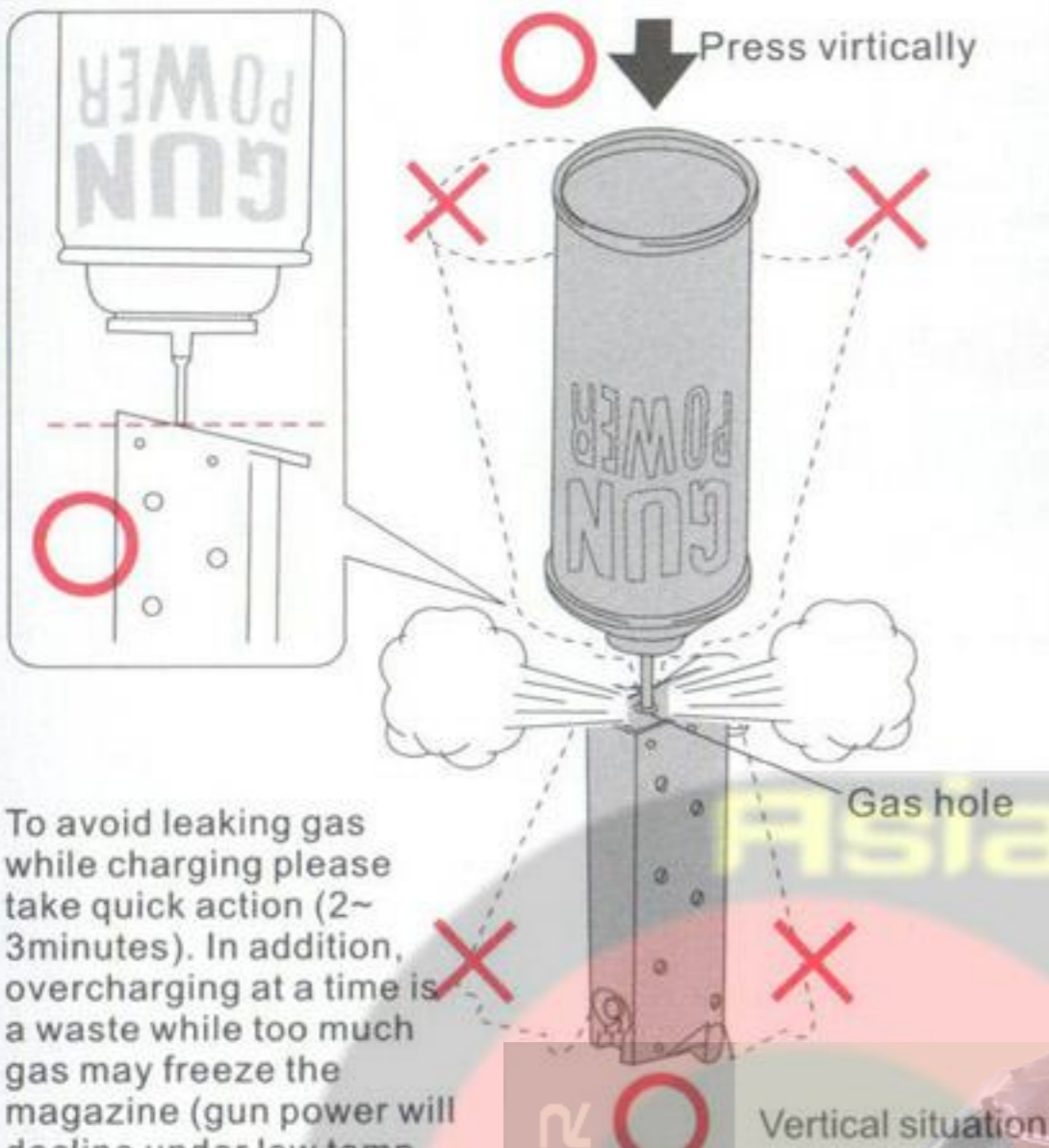
The gun slide may cause backwards in inertia. Face and fingers should not stay too close.



- This product may slide backwards due to gas pressure. To avoid accident resulting from carelessness, please be aware to keep distance between face and fingers.
- Please mind that using this product around high temperature places above 40°C may cause breakage accident.

2. How to charge gas (Charging)

- Upset the magazine (that is gas at the top and magazine at the bottom), plumb up the gas tank against the magazine, then put the gas tank straight against the gas hole and press the charging bottom.



※ To avoid leaking gas while charging please take quick action (2-3 minutes). In addition, overcharging at a time is a waste while too much gas may freeze the magazine (gun power will decline under low temperature). The leaking of gas will also decrease times of shooting.

⚠ Attention of magazine usage

- Due to outdoors' low temperature in winter, man's movements are comparatively slow. The magazine exterior is cold (gun power will decline when the magazine is too cold) and to operate the gun with outdoors temperature below 20°C is hard. To assemble magazine indoor in constant temperature is advised.
- Fully charged magazine will be out of gas after tens of bullet's continual shooting even if operation is under constant temperature. Please prepare some spare magazines.
- The manufacturing of magazine is precise. Do not randomly drop to avoid breakage or failure.
- operation is not fluent, check carefully whether there's dust or dirt around the lip at magazine top or drain tap.
- To avoid fading or changing of magazine changing, to cover the airgun with special thin silicon oil is advised.
- To avoid accidental and operational failure of gun body and magazine, keep the product away from dampness and water.

⚠ WARNING!

- Keep vertically steady when charging. Avoid shaking hand and gradient magazine. Do not overcharge to avoid failure.
- If the gas hole is covered while charging, the gas will leak upwards. Please pay attention not to cover the hole while charging. Or the gas leaking out may harm man's eyes and skin and cause accident.



- Magazine and gas tank are not allowed in places of high temperature. (The breakage of magazine may cause accident.)

3. How to load BB bullet (Please use 0.2g~0.5g bullet precisely in accordance with electric gun)

- Load in approximately 18 BB bullets in orders as illustrated below.



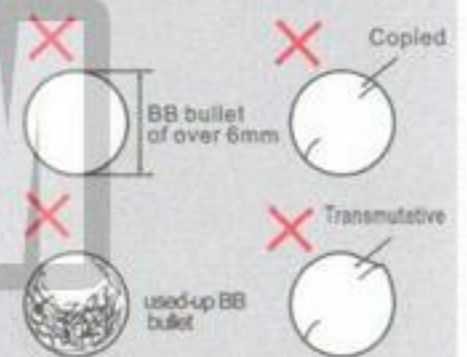
Push the follower to the bottom then load the BB bullet from the slit under the magazine. (Load 17 bullets)

Load the last bullet from magazine lip (Load 18 bullets)

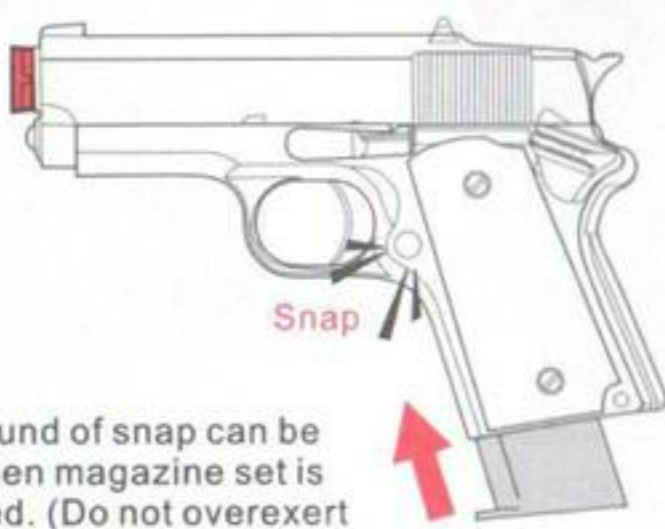
※ Please load the BB bullet fast.

⚠ WARNING!

- With exact design and manufacture of outer barrel, do not use BB bullets that are copied, transmutative or BB bullet recycled and dirtied including specification of above 6mm to avoid accident.



4. Magazine set



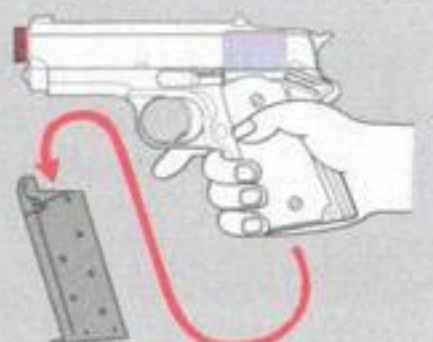
● The sound of snap can be heard when magazine set is completed. (Do not overexert when setting.)



● Exit the magazine. Press Magazine Catch Button (When exiting the magazine, catch from below to avoid breakage from dropping.)

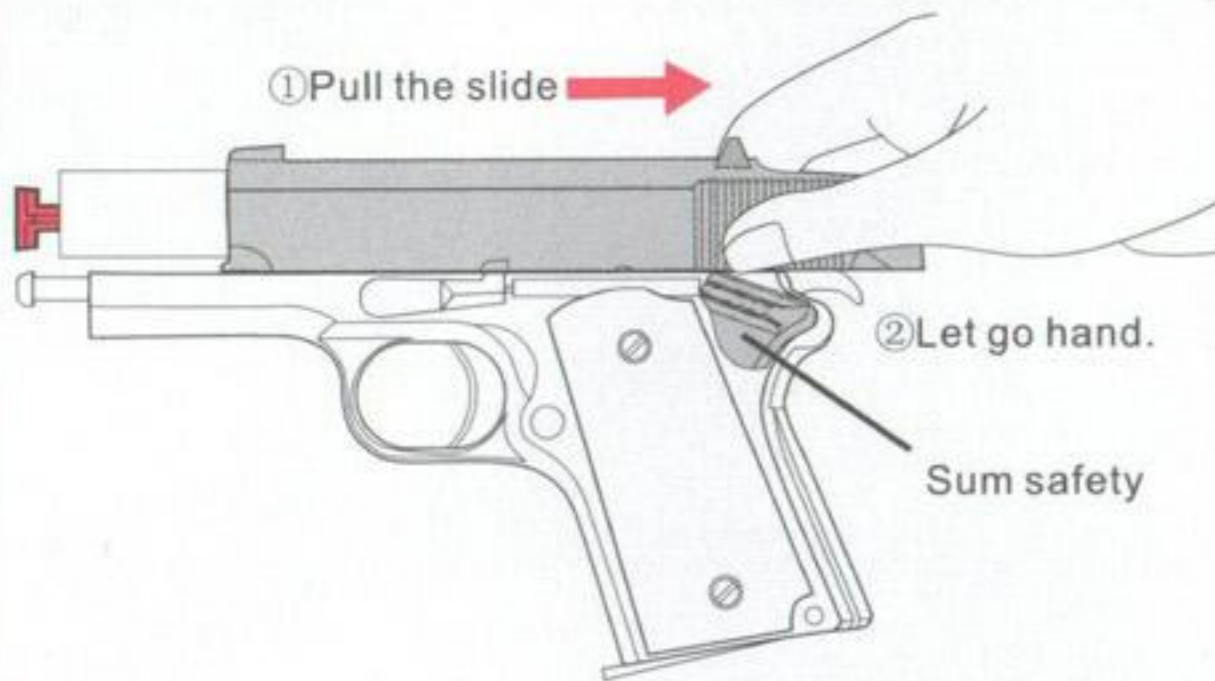
⚠ WARNING!

- Do not randomly pull on the trigger when setting the magazine.
- For safety, magazine should be removed from the gun while not using it



5. How to load the initial bullet

- Pull the slide to the bottom then let go, the slide will rebound fiercely. Meanwhile, the first bullet is sent into the back of chamber packing (Refer to P16~9) to full cock. (The chamber is also gradient to full cock.)



- ※ In step 2, if you don't let go in time, shooting will not be smooth.
- ※ Constantly repeating this movement would load several bullets at a time and cause danger in the process.

NOTICE!

- Please make sure sum Safety is OFF (P14 • 6) when pulling the slide.

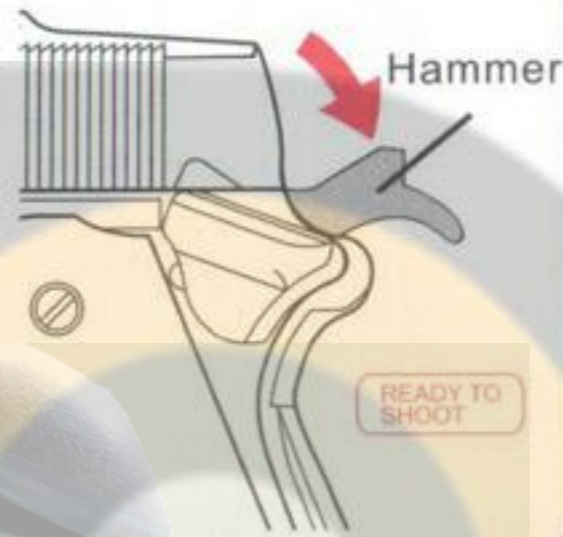
WARNING AND NOTICE!

- Do not pull on the trigger when operating.
- When completing operation, make sure BB bullet is loaded for full cock before pulling on the trigger. Pay attention to the direction at which the muzzle aims.
- Caution! Do not pull the trigger till shooting.

● Hammer full cock

Hammer totally full cock. Only full cock can BB bullet be shot.

- ※ The initial bullet cannot be sent without pulling slide and inclining hammer to full cock. To shoot under such situation (P15~7), pulling the trigger for the first time is only to blow back. The second time pulling the trigger can help blow back and shoot BB bullet. Be strictly aware that such operation may lead to mistaken shooting and cause great danger.



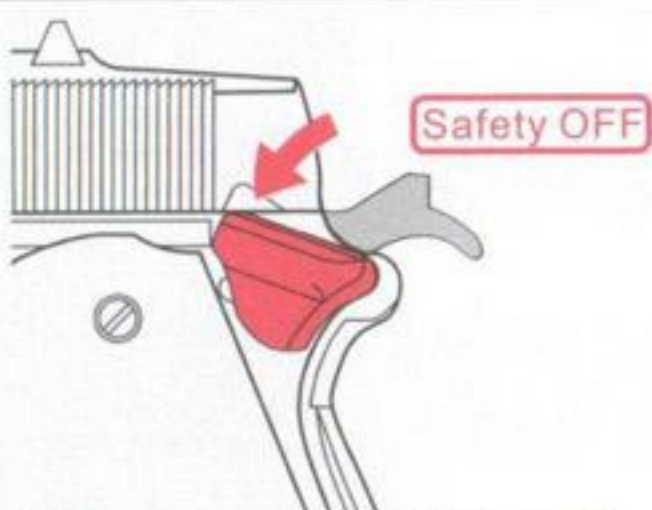
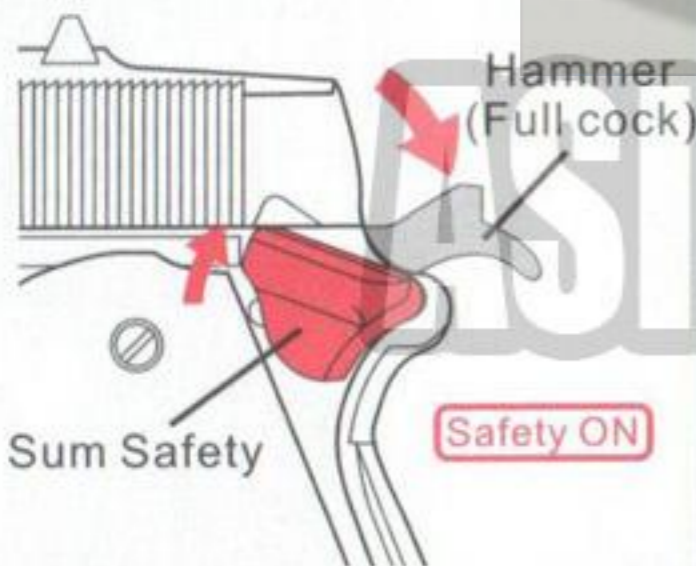
6. Safety

NOTICE!

- Without instant usage, put on the cap and set hammer down for safety. Safety is turned to ON as well.

■ Operation of sum safety

Only under hammer full cock situation can sum Safety be operated



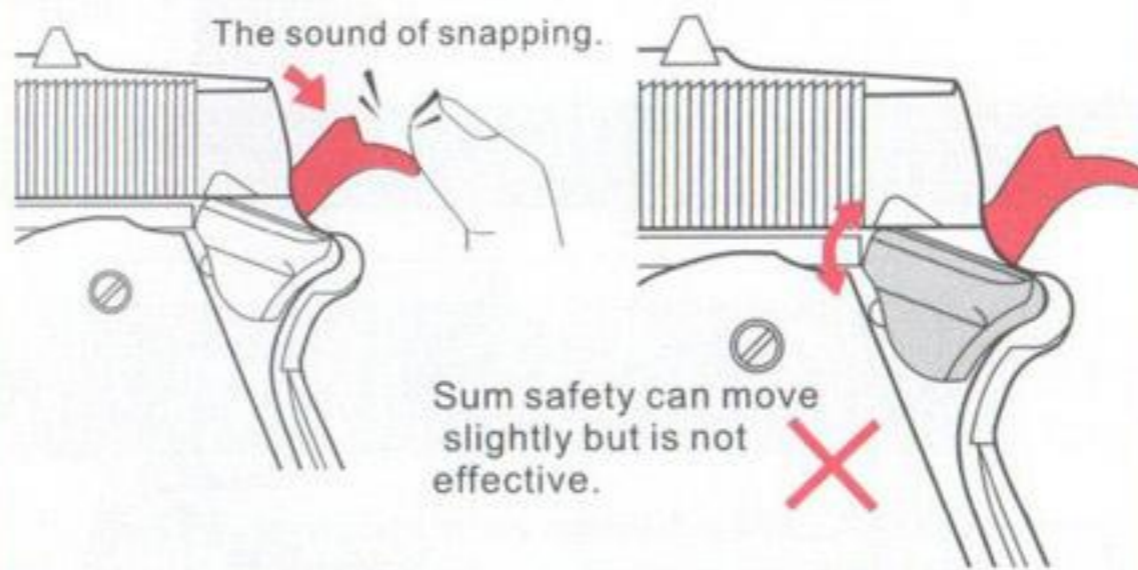
While sum Safety is ON, the ineffectiveness of trigger and slide may cause breakage. So, do not pull the trigger and slide when safety is OFF.

- Hammer down and half cock
When hammer is under following situations, sum safety cannot be operated, trigger cannot be pulled and BB bullet cannot be shot.



Hammer down

Please set hammer down when the initial bullet is not shot and under situations of storage and moving. (Please refer to the sequence on P17 • 10 and shoot with no bullet.)



Hammer is under situation between full cock and hammer down.

WARNING AND NOTICE!

- Before shooting, set Safety OFF.
- When Safety is being operated, do not pull the trigger.

- ※ Keep covering with the cap until just before shooting.



- When pulling on the trigger, never touch the hammer. Be aware that slide blow back may cause accidental damage.



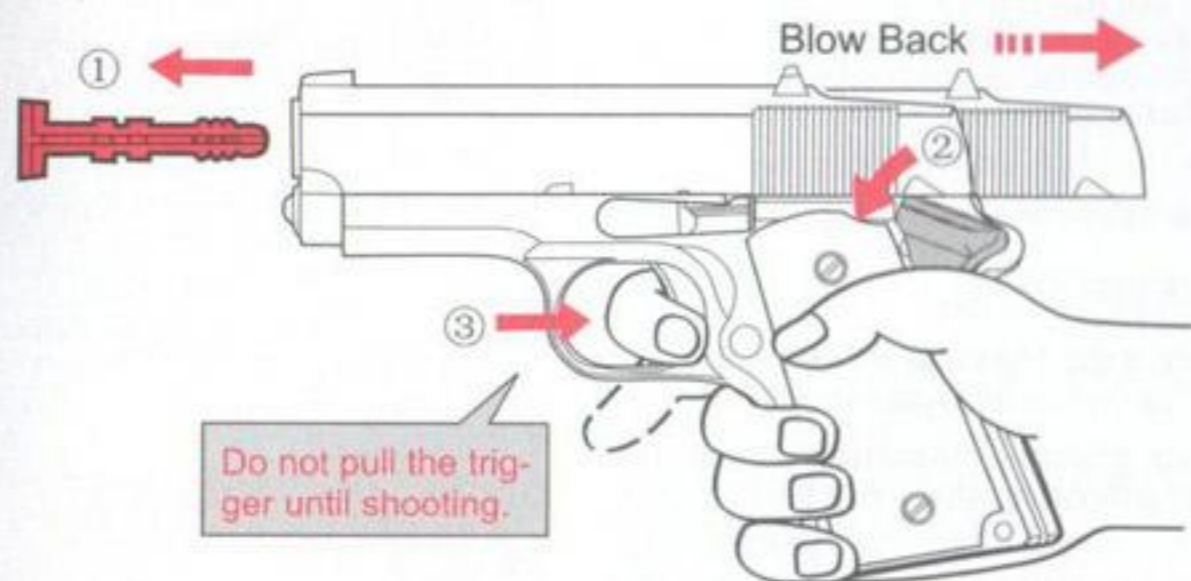
NOTICE!

Half cock is the position for safety. Normally, it is not necessary to set the hammer to half cock position. In case it happens, pull out the cartridge box first. Never pull on the trigger. Just pull the hammer to half cock.

7. Shoot (Now finger is ready to pull the trigger)

■ BB bullet shoot, slide blow back

- Load the initial bullet. Hands up and pull the trigger. And repeat the following steps [Shoot one BB bullet] → [Blow back (also slide backward)] → [Second(second time) bullet loaded(also slide forward)]

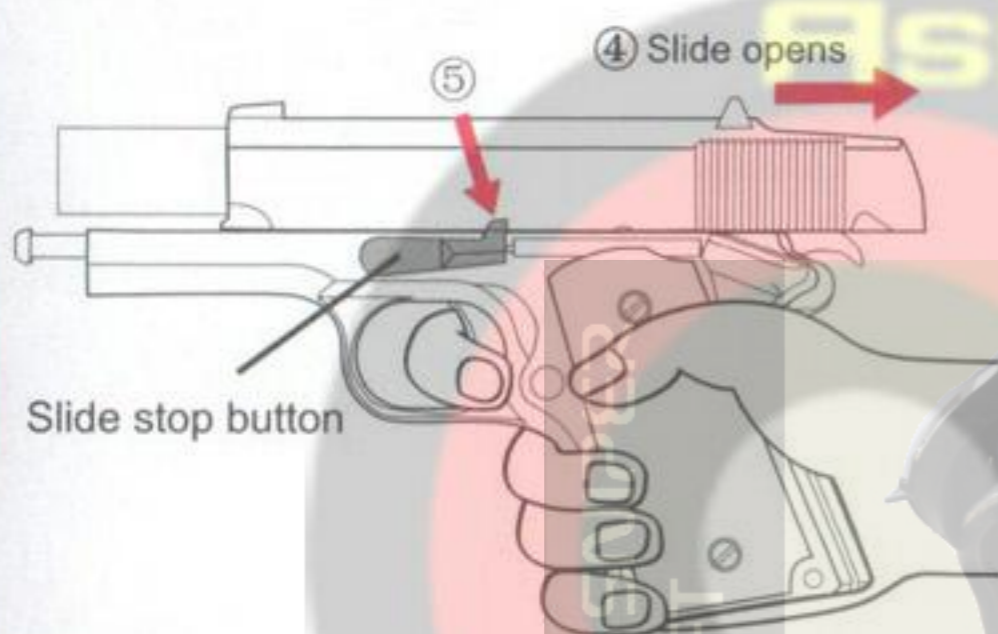


- ① Remove the cap
- ② Turn off the Safety
- ③ Finger on the trigger. Pull the trigger with the trigger safety. (BB bullet shoots, Slide blows back.)

⚠ WARNING AND NOTICE!

- To avoid accidents, keep face and hand safely away from slide when pulling the trigger.
- For safety, glasses for protection is required when using the gun.

■ How to disassemble slide.



- ④ Explosion force from shooting BB bullet pushes the slide backwards to form recoil and open the slide.
 - ⑤ Push the release button to help the slide regain position.
- ※When the explosion force is used up, the slide is open and pushed forward. Thus the next bullet will be pushed into the chamber to get ready for the next round.

⚠ NOTICE!

- The edge of slide is partly sharp. Be careful not to get cut during disassembly.
- Carefully avoid random pulling on the trigger and beware of direction at which the muzzle aims.

- About low power. The gas inside gun box may decrease due to shooting. Over-dropping of gun box temperature may result in low power. Under situations as followed, add gas to help magazine temperature rise to above 20°C and return to normal operation.

- Slow blow back.
- Slide stop ineffective.
- BB bullet covers too short distance.



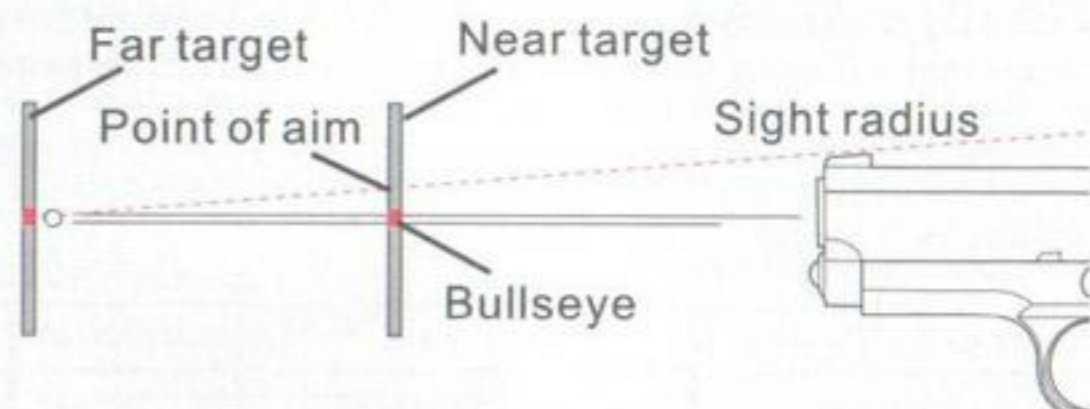
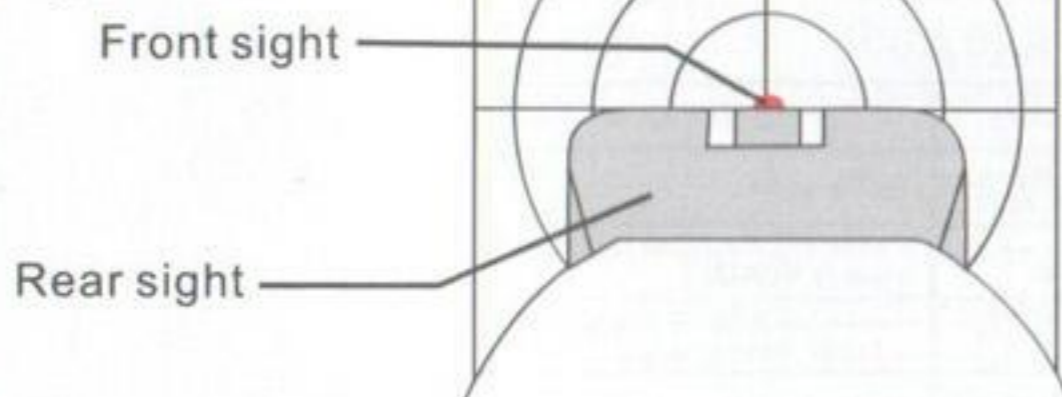
- Upset the gun to shoot is forbidden to avoid gas leaking.

- Upset the gun to shoot is forbidden to avoid gas leaking. Leaking gas may spray out on man's face and skin to cause danger. (Do not randomly shoot without bullet, as shooting without bullet is easy to damage the parts because of the striking too violently.)



8. Sight

- As illustrated on the right, center the rear sight on the notch and focus on front sight to aim.

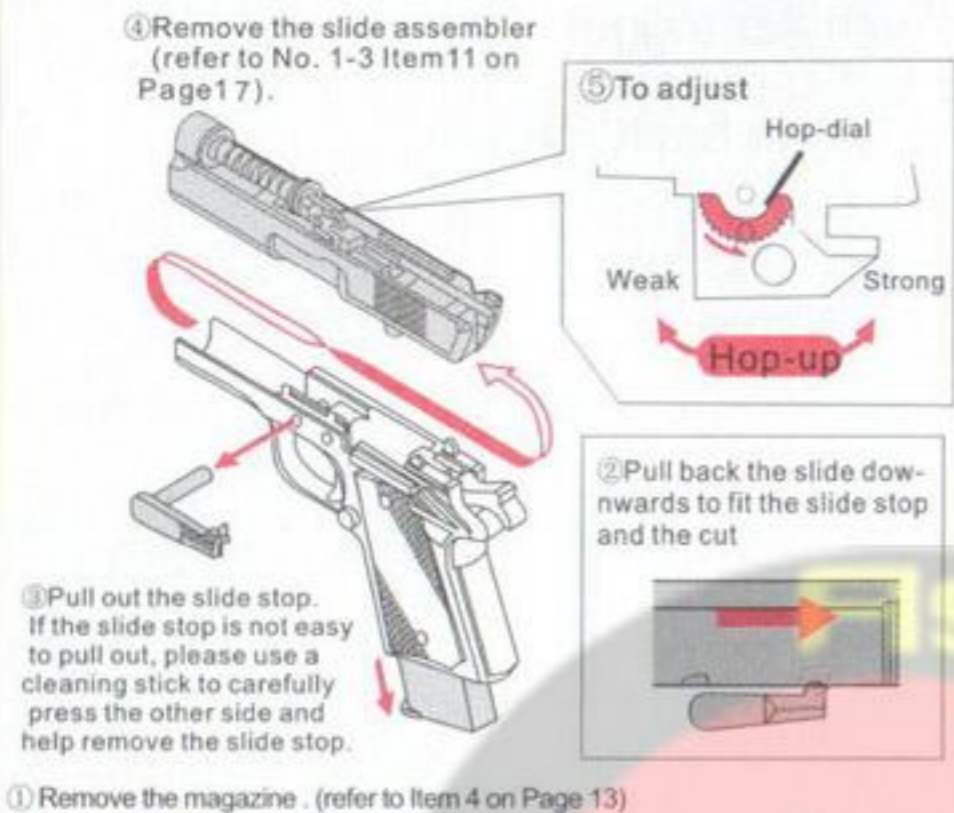


- ※While shooting the far target, aim downwards at the bullseye. This product is not equipped with a adjustment function for bullseye. So, please aim at the upper part of the target when the bullseye is going down.

9 . How to adjust changeable Hop-up system

What the Hop-up system of ARMY Gas soft airgun is: When the airgun shoots the BB bullet, the bullet will gyrate upwards, that is when it flies forwards, the BB bullet will have friction with the air and the air will slide under the bullet. If BB bullet is gyrating upwards, the air friction above it will be smaller than that of below and this will cause slight buoyancy, which is able to counteract the some part of the G-force so that BB bullet can fly more farther and straight. The BB bullet gyrates faster, both the discrepancy of the air friction between above and below and the buoyancy are bigger, but too big buoyancy can make BB bullet float upwards. The Hop-up system adjuster included for this product will enable BB bullet to gyrate perpendicularly and make BB bullet fly upwards so slightly that it can be just counteract the G-force and enhance the range and shooting accuracy. Adjust the ballistic trajectory to the best condition to have more ideal shooting accuracy rate.

■ How to adjust (Please refer to the shooting steps in Item6 and 7. Make a proper adjustment when having a trial shooting.)

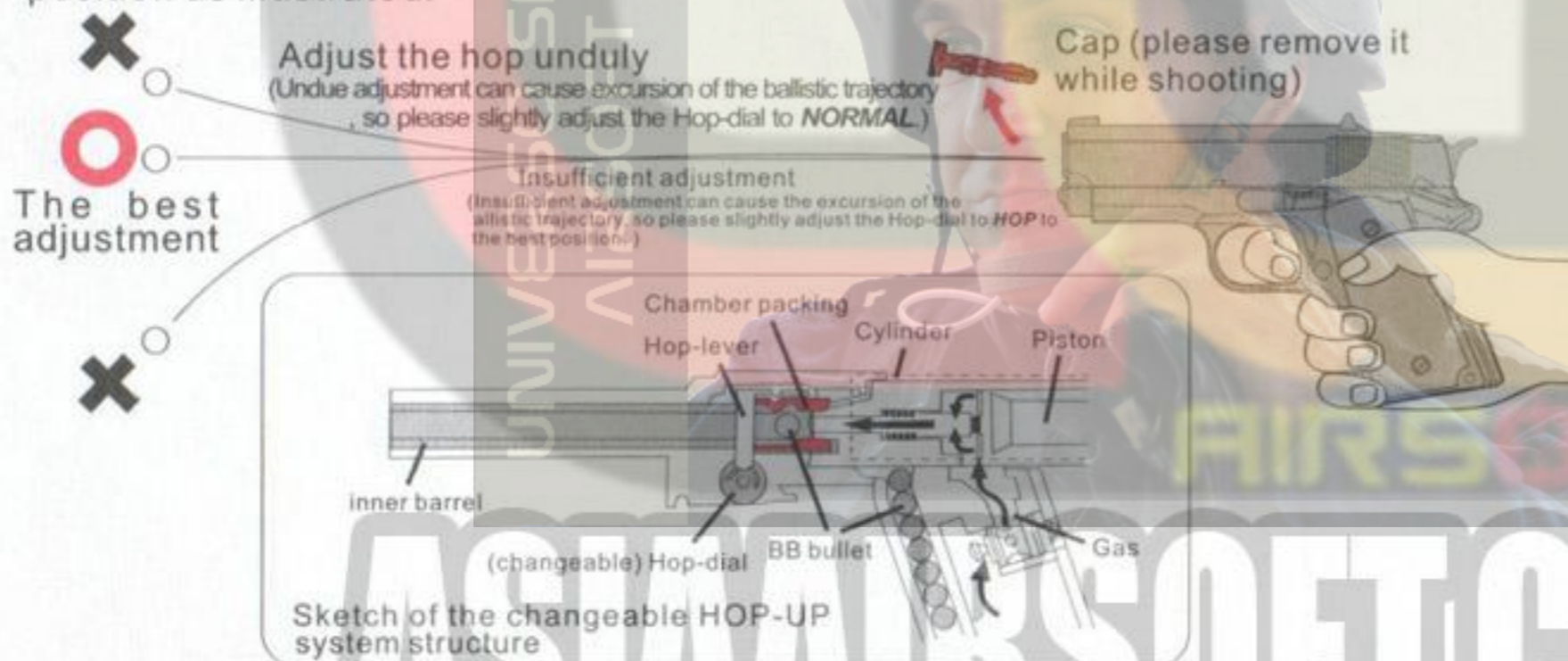


- Operate it as per ① - ⑤.
- To slightly adjust the Hop-dial a little upwards as you need. (to make BB bullet shoot)
- Do not unduly adjust and turn the Hop-dial in the fear of affecting the effect.
- Please make a slight adjustment according to the adjusted limit position. It may cause the failure of the airgun if the Hop-dial is adjusted to the end.
- Please assemble the gun as per Item12 on Page 18 after finishing the adjustment.
- Notice! If there's an accident that BB bullet leaks out from the chamber packing to the muzzle, which is so called **bullet leaking** or **bullet vomiting**, when hop-dial turns to the normal direction, please properly adjust the hop-dial to the Hop position.

① Remove the magazine. (refer to Item 4 on Page 13)

NOTICE! If there's an accident that BB bullet leaks out from the chamber packing to the muzzle, which is so called **bullet leaking** or **bullet vomiting**, when hop-dial turns to the normal direction, please properly adjust the hop-dial to the Hop position. (This can avoid the failure caused by the stuck BB bullet.)

■ Adjust the BB bullet to the best shooting position as illustrated.



Notice for users (please be sure to obey it)

- Operation in which hop-dial is unduly turned can cause bullet blocked. If you continue to shoot it when the bullet is blocked, the inner mechanism of the gun will be caused to damage.
- Please stop shooting in the case of blocked bullet and turn the hop-dial to **NORMAL**. Use proper tools like cleaning rod to take out the BB bullet.
- Please make sure to turn the hop-dial to **NORMAL** when you use cleaning rod to take out BB bullet. (Inner parts of the gun including chamber barrel will be worn and torn if the hop-dial is not turned to **NORMAL**.)
- Please never use old bullet or BB bullet, which is dirtied or falls short of specifications. (This will cause the barrel contaminated with bits of dirt and is easy to cause the factors of astaticism or bullet blocking.)
- Fall short of specification.
- Pay close attention to cleaning of the chamber barrel after shooting 5000 bullets. Often clean it in a correct way and spray it with silicon oil for 0.5 to 1 second to keep it clean. (Please refer to No. 3 Item 13 on Page 18. 50 to 60 bullets may cause small unsteady factors while hopping up after using the oil, but that does not belong to any failure.)
- The company will not be responsible for any accidents or failures like those caused by user's refitting or decomposing the gun in a wrong way, any maintenance cost of which is within user's responsibility.

In the case of not hopping up well

※ Please go and consult at the shop where you purchased the Gas soft airgun.

State of the gun	Causes	Solution	State of the gun	Causes	Solution
Bullet float	Unduly adjust	Make slight adjustment of the hop-dial towards	Be unable to adjust.	Chamber or parts are damaged.	Refer to ※1
Shooting speed of the bullet is not fast enough	Hop-up weak	Please make a little adjustment of Hop-dial towards HOP.	Bullet gets stuck.	Unduly adjust Hop-up.	Please slightly adjust hop-dial towards NORMAL .
	Chamber barrel is clung to bits of dirt or greasy stain.	Change 4 to 5 magazines and have a trial shooting		BB bullet falls short of specification or caliber is too big.	Please use 0.2g~0.25g BB bullet of ARMY Gas soft airgun.
	Chamber barrel wears and tears.	Refer to ※1		Chamber barrel is dirtied.	Refer to ※1

WARNING AND NOTICE!

Please make sure to use 0.2g~0.25g BB bullet of ARMY Gas soft airgun.

- The product is precisely-made 0.2g~0.25g BB bullet specially manufactured for the Gas soft airgun by ARMY. Using the other types of BB bullet or unqualified bullet may easily cause bullet blocking or wearing and bearing the parts of the gun and the barrel and damage the gun.

Notice about the changeable HOP-UP system

- After shooting, if unsteady factor about HOP-UP system happens, it may be because BB bullet is clung to the oil in the cylinder. It will become smooth after shooting 60 to 70 bullets and the factor about unsteady HOP-UP disappears and the HOP-UP system returns to normal. In addition, it is in the same way that we use oil to maintain the gun rightly.
- Please be careful not to damage the barrel or the inner parts while using cleaning rod to clean or take out BB bullet. (Refer to No. 3 Item 13 on Page 18.)

10. Shooting is completed. (Keeping)

- ① Press the Magazine Catch button to remove the magazine.
- ② Make sure whether there are bullets left inside the barrel or not. If there are some, please take them out. If the bullets are stuck firmly, please refer to P18 • 13 • 2 to clear all the bullets.
- ③ Press slide stop to return the location.
- ④ Aim the muzzle downwards and push the trigger once, shoot at the safe direction without bullets. (Make Roller Hammer return.)
- ⑤ Put on the cap and place the Gas soft airgun inside the packing box and keep it in a safe place.



WARNING!

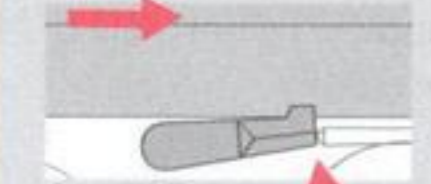
- The gun is not allowed to put in the place where it is over 40°C or the place or the car where the sun shines directly.

WARNING AND NOTICE!

- If there are some BB bullets left in the barrel, please do aim the muzzle at the safe direction, pull the trigger and shoot out all the bullets left.
- If there is still some gas left inside the magazine, please do clear it before you keep the gun. You can aim the muzzle at the safe direction without any bullets or aim at the sky and pull the trigger several times to shoot out all the gas left.

- Finish shooting the rest of BB bullets in magazine and open slide by hand.

- ① Pull open the slide



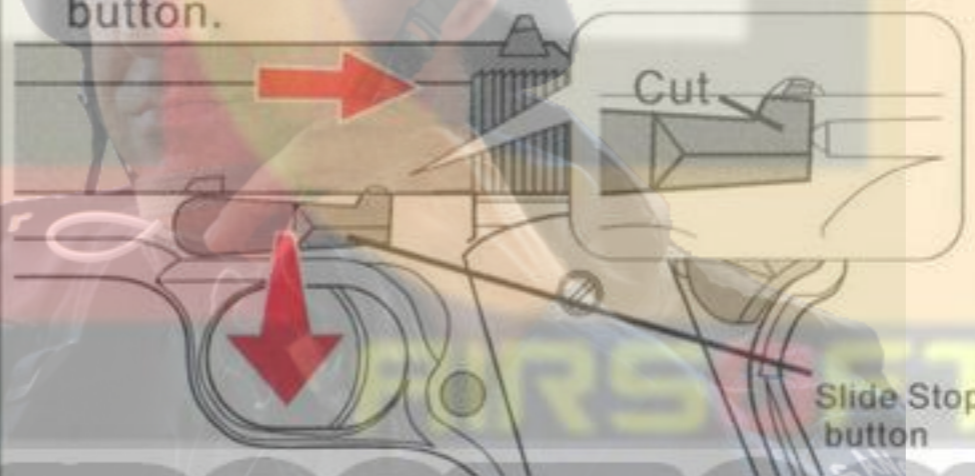
- ② Slide Stop raises.

11. How to disassemble normally

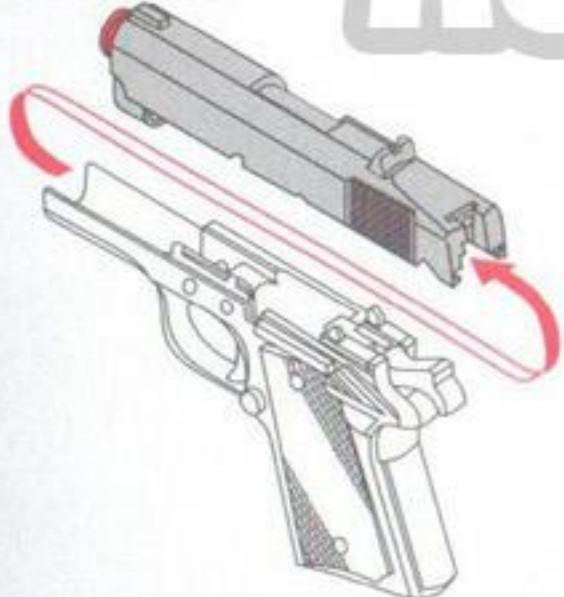
1. Push Magazine Catch button and remove the gun box.



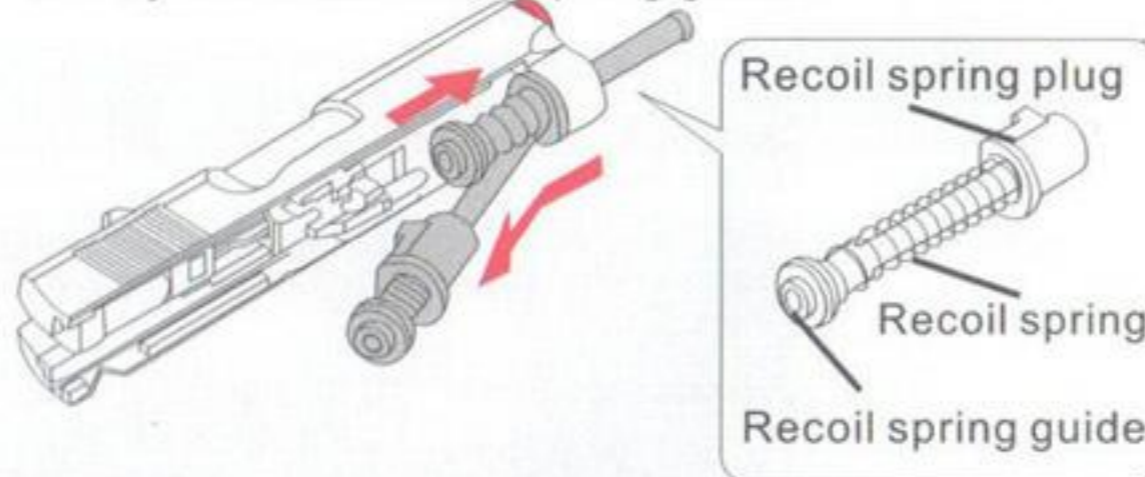
2. Stagger backwards the Slide Assembler to fit the cut. Then remove the Slide Stop button.



3. Remove forward the Slide Assembler.



4. Push out forward the recoil spring guide. With recoil spring under pressure, remove recoil Spring plugs one by one from recoil spring guide.



Remove recoil spring under pressure situation.

5. Push barrel assembler forward and remove it.



- ※ If barrel assembler is pinned on the slide, it maybe stuck and cannot be pulled out.



WARNING AND NOTICE!

- Never disassemble or alter How to disassemble normally described in the instruction and How to change the aimer described in the attached page. If you do not operate it as per the correct instruction and operate it in a wrong way by yourself, you may cause the other kind of hazard.

- Our company will not be responsible for any unexpected accident, such as hazard, hurt or failure caused by user's not operating or transforming the product as per the normal instruction, any maintenance cost of which is within user's responsibility.

- Be careful the accident that parts may come out of your hand and fly or drop when you take out the recoil spring washer and the recoil spring. Be careful!

14. Specialty of gun power-HFC134a liquid state gas.

About liquid state gas

Liquid state gas added into magazine vaporizes inside and dilates to form pressure. The release of this vaporized gas makes the product operate (When pulling the trigger, the vaporized gas inside the magazine is also released.).

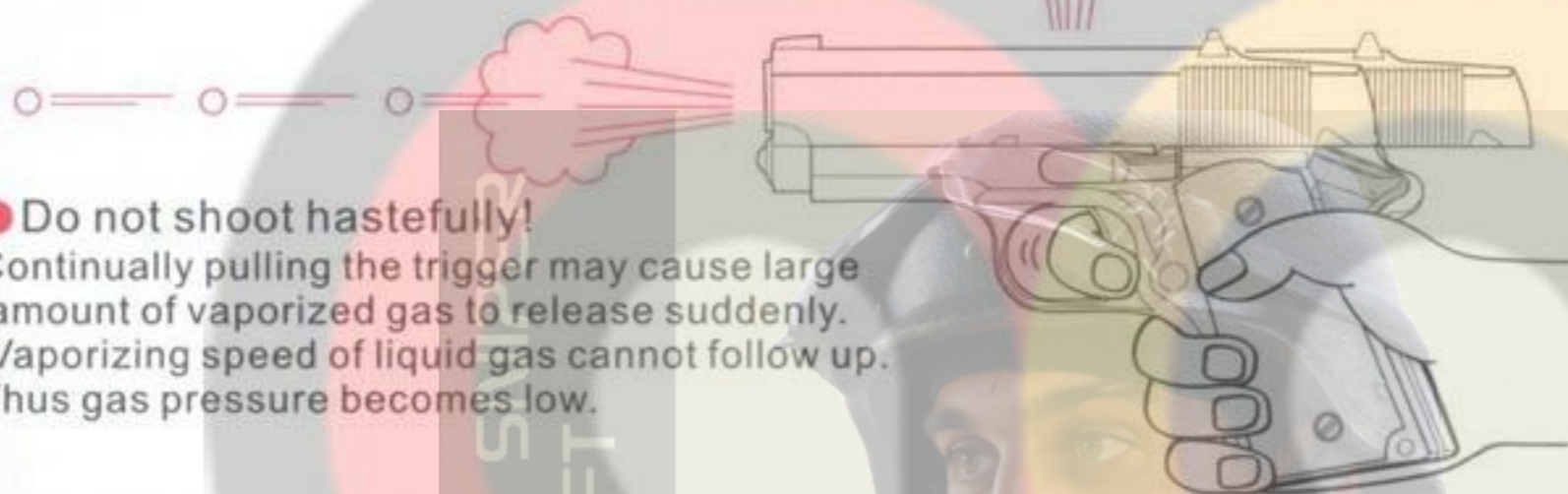
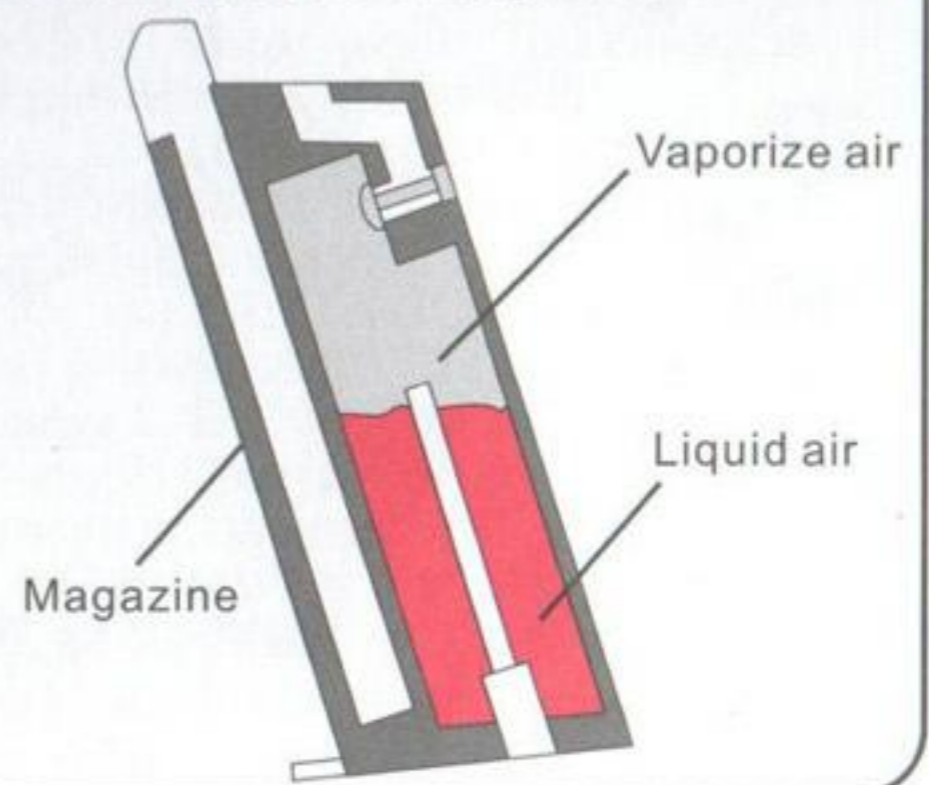
When large amount of vaporized gas is released and magazine temperature falls, gas pressure would decrease. The liquid gas before being vaporized would also be released. Under such situation, times for shooting as well as gun capability may decrease. User may get frostbitten due to released liquid gas. Please be aware of the following situations.

The temperature of liquid gas is too low that user may be frostbitten when touched. Be aware that low temperature frostbite is very dangerous.

● Do not shoot around low temperature area. When outer temperature is low, gun box's temperature also drops. Thus gas pressure falls easily too. To shoot under certain temperature (above 20°C) is advised.

(With temperature below 20°C in winter, to shoot in doors with temperature around 20°C may also come across situation that gun box is too cold.)

The internal structure of Magazine



● Do not shoot hastily! Continually pulling the trigger may cause large amount of vaporized gas to release suddenly. Vaporizing speed of liquid gas cannot follow up. Thus gas pressure becomes low.

Play the box leads cold words to take a break!

As soon as magazine becomes cold, gas pressure inside will be low. Please make sure magazine temperature is above 20°C. When magazine is too cold, please remove it from gun body. Use hand temperature to help it recover to above 20°C before using.

- ※ When magazine is filled with gas, the gas cannot sufficiently vaporize right away. That's why the pressure is low.
- ※ For continual shooting, please prepare standby magazine. For better effect, please load magazines alternately.

WARNING AND NOTICE!

● In seasons like summer, do not leave the product around places of high temperature. Or magazine may accidentally break and cause great danger. Please beware of it.

15. Trouble clinic

State of the gun	Causes	Solution
Unable to work	Is safety set correct or not?	Turn Safety to OFF. Number 6 on Page 14
	Charge too much at a time	Relieve small amount of gas from drain tap. WARNING! Never aim the drain tap at people while operating.
	Charge insufficiently	Gas is not charged enough (especially in low temperature), pressure of gas is not enough either, which provide the gun with sufficient power
	gas leaks or not	※1
Bullet is blocked.	Check if BB bullet is loaded.	Load BB bullets in a correct way.
	Are there any BB bullets blocked in the magazine?	Reach a 3mm plastic cleaning rod inside the magazine and turn it up and down to take out the bullet. (Please use BB bullet that is up to standard.)
	Is ballistic trajectory damaged?	※1

State of the gun	Causes	Solution
Slide can not advance.	Are there any BB bullets or other things near loader?	Open the slide and clear away BB bullets or other things near the ammunition hole.
Slide does not work well while shooting BB bullets.	Is the temperature too low (such as in winter)?	Remove the magazine and let it return to warm or prepare some spare magazine for alternation.
	Pressure is not enough: Using a magazine for a long time or continuously shooting tens of bullets, pressure will be not enough because of the shortage of air. Please check if the magazine is too cold or the pressure is too low.	
	Is gas used up?	Please charge it. (P13・2)
	Is it problems caused by inner valve of cylinder and piston valve knocker?	※1
	Is the gasket damaged and broken?	Please spray and maintain the gun as soon as possible. (P18・13・1)
Is the gun short of maintenance or spray?		
The flight distance of BB bullet is shortened.	Check if the barrel is damaged?	※1
	Does the valve spring come loose?	
	Is it caused by the broken valve parts?	

※1 = Please go and consult at the shop where you purchased the Gas soft airgun .

14. Specialty of gun power-HFC134a liquid state gas.

About liquid state gas

Liquid state gas added into magazine vaporizes inside and dilates to form pressure. The release of this vaporized gas makes the product operate (When pulling the trigger, the vaporized gas inside the magazine is also released.).

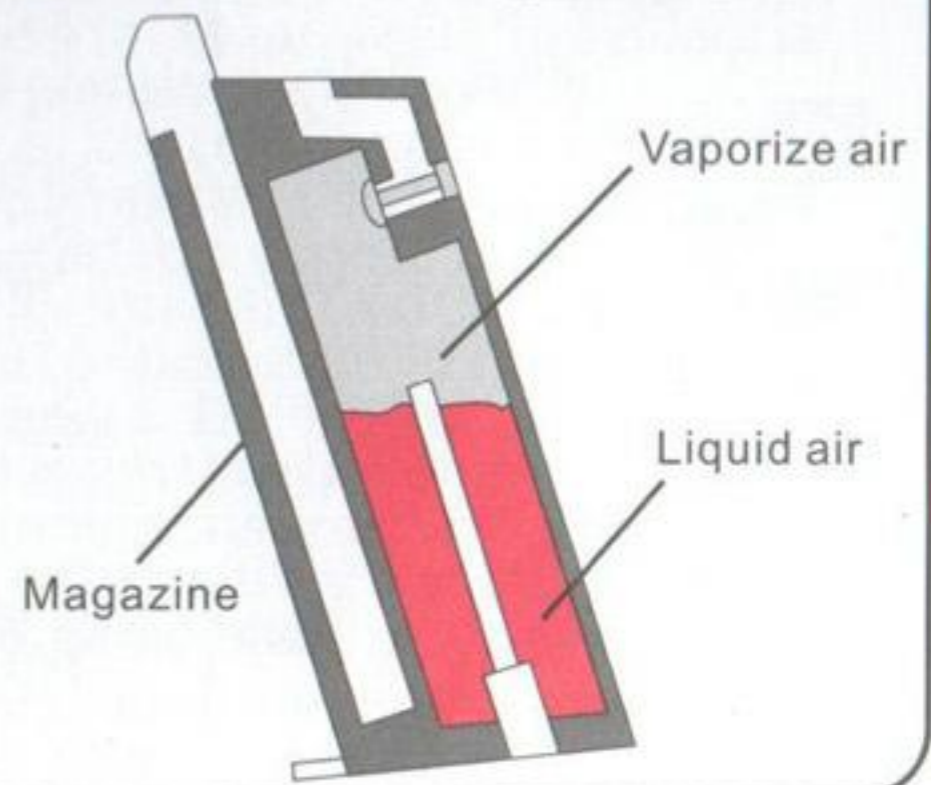
When large amount of vaporized gas is released and magazine temperature falls, gas pressure would decrease. The liquid gas before being vaporized would also be released. Under such situation, times for shooting as well as gun capability may decrease. User may get frostbitten due to released liquid gas. Please be aware of the following situations.

The temperature of liquid gas is too low that user may be frostbitten when touched. Be aware that low temperature frostbite is very dangerous.

Do not shoot around low temperature area. When outer temperature is low, gun box's temperature also drops. Thus gas pressure falls easily too. To shoot under certain temperature (above 20°C) is advised.

(With temperature below 20°C in winter, to shoot in doors with temperature around 20°C may also come across situation that gun box is too cold.)

The internal structure of Magazine



Do not shoot hastily!

Continually pulling the trigger may cause large amount of vaporized gas to release suddenly. Vaporizing speed of liquid gas cannot follow up. Thus gas pressure becomes low.

Play the box leads cold words to take a break!

As soon as magazine becomes cold, gas pressure inside will be low. Please make sure magazine temperature is above 20°C. When magazine is too cold, please remove it from gun body. Use hand temperature to help it recover to above 20°C before using.

※When magazine is filled with gas, the gas cannot sufficiently vaporize right away. That's why the pressure is low.

※For continual shooting, please prepare standby magazine. For better effect, please load magazines alternately.

WARNING AND NOTICE!

In seasons like summer, do not leave the product around places of high temperature. Or magazine may accidentally break and cause great danger. Please beware of it.

15. Trouble clinic

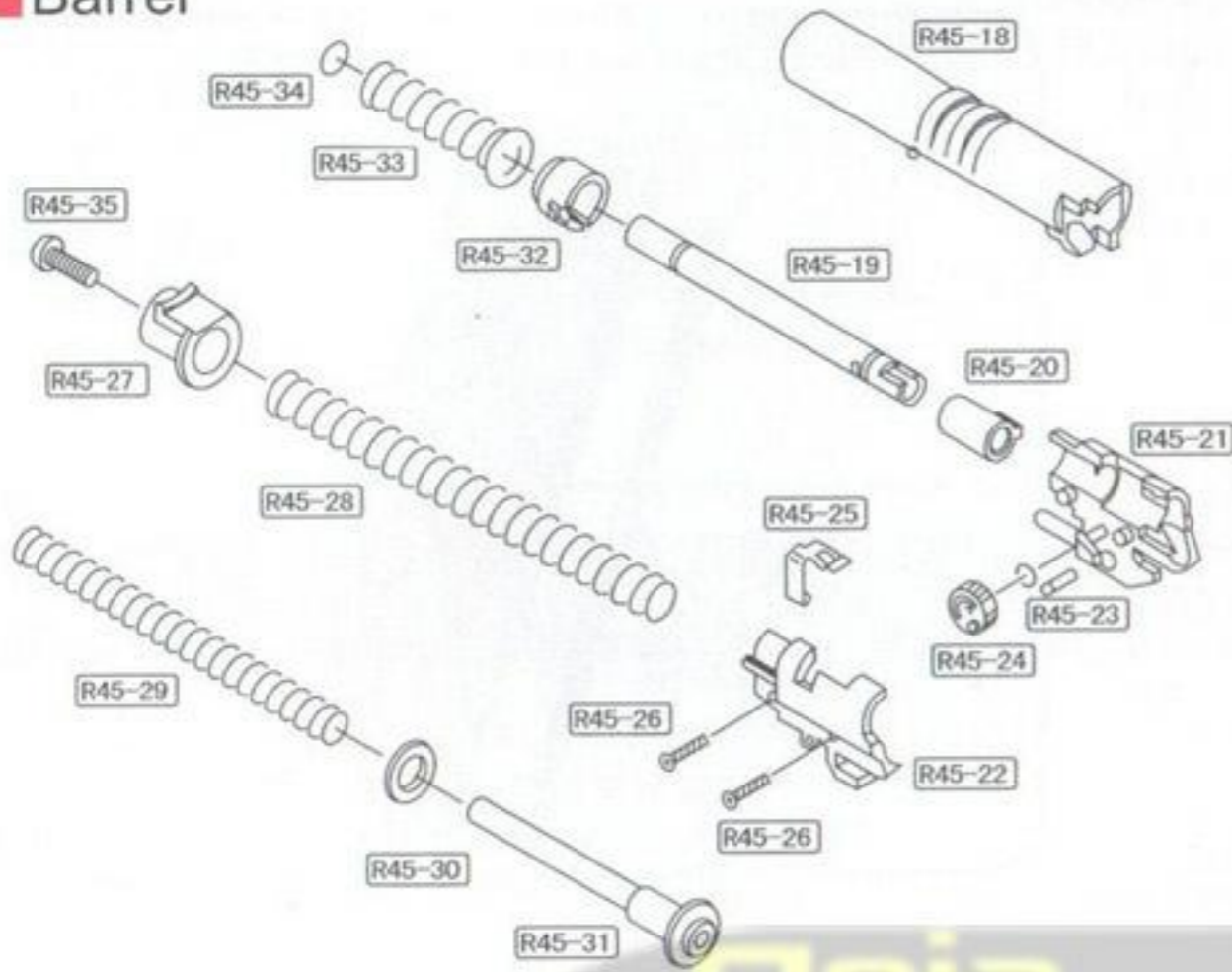
State of the gun	Causes	Solution
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	gas leaks or not	※1
Bullet is blocked.	Check if BB bullet is loaded.	Load BB bullets in a correct way.
	Are there any BB bullets blocked in the magazine?	Reach a 3mm plastic cleaning rod inside the magazine and turn it up and down to take out the bullet. (Please use BB bullet that is up to standard.)
	Is ballistic trajectory damaged?	※1

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	Is gas used up?	Please charge it. (P13・2)
	Is it problems caused by inner valve of cylinder and piston valve knocker?	※1
The flight distance of BB bullet is shortened.	Is gasket damaged and broken?	Please spray and maintain the gun as soon as possible. (P18・13・1)
	Is the gun short of maintenance or spray?	
	Check if the barrel is damaged?	※1
Does the valve spring come loose?		
Is it caused by the broken valve parts?		

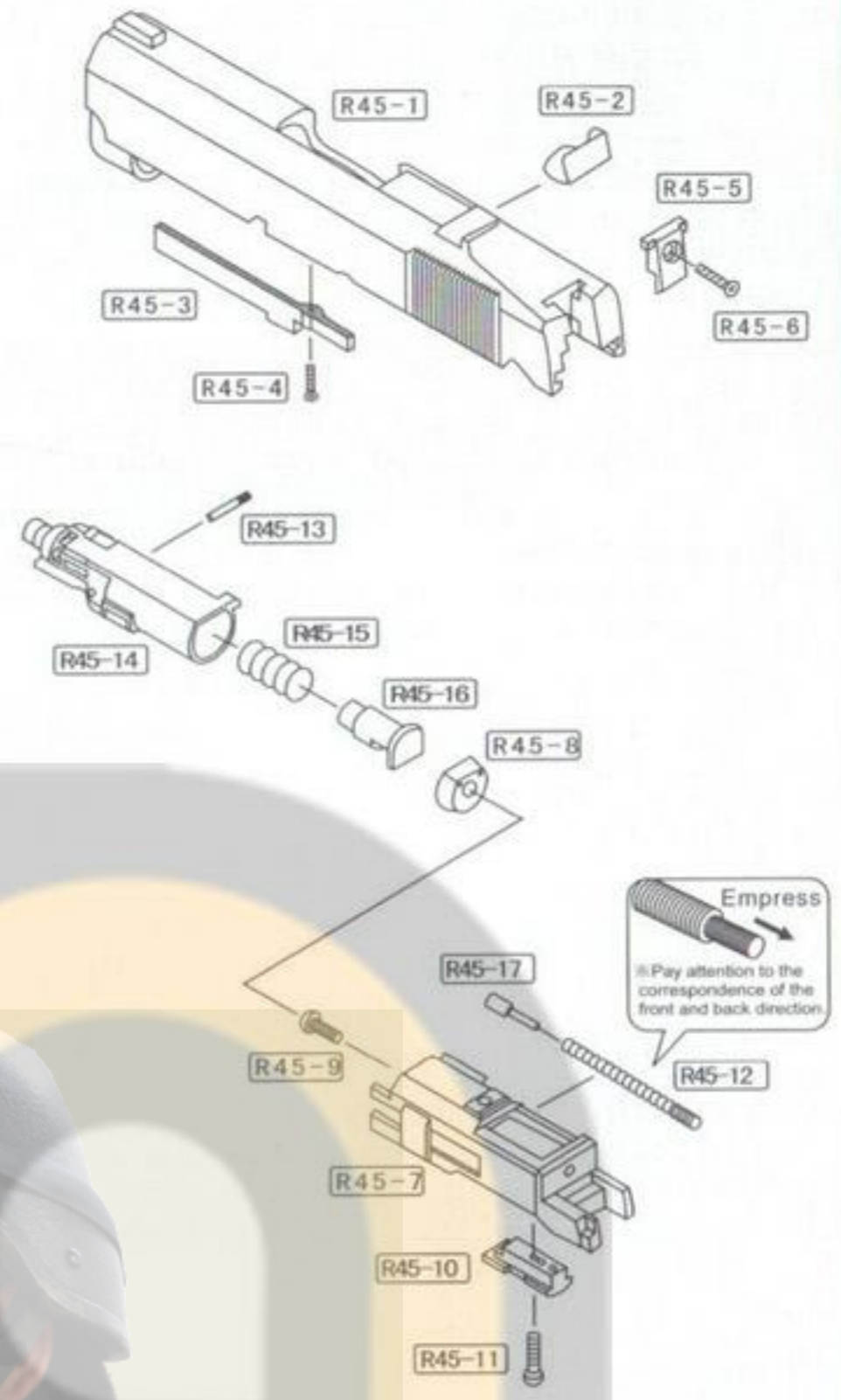
※1 = Please go and consult at the shop where you purchased the Gas soft airgun .

16.Parts

Barrel

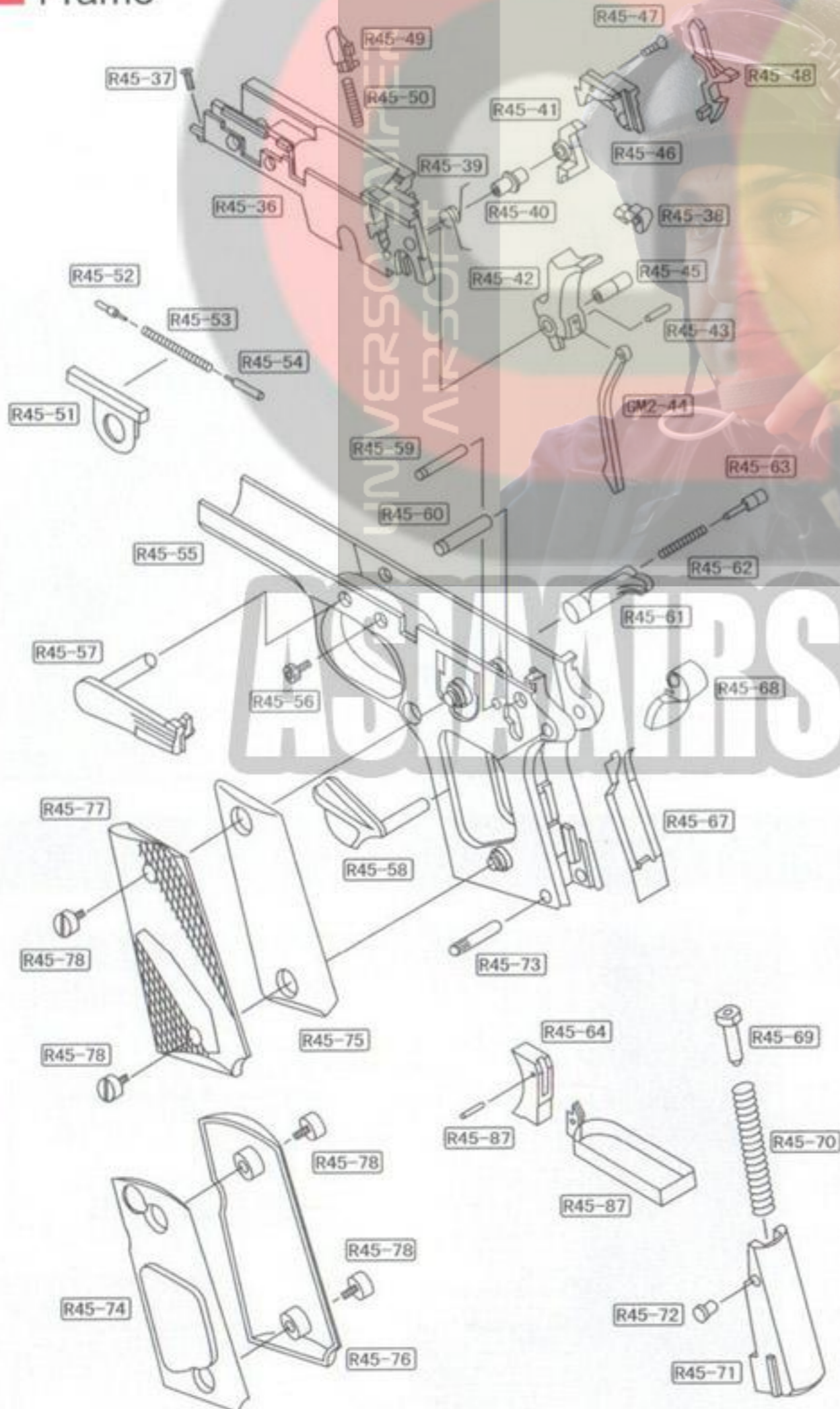


Slide

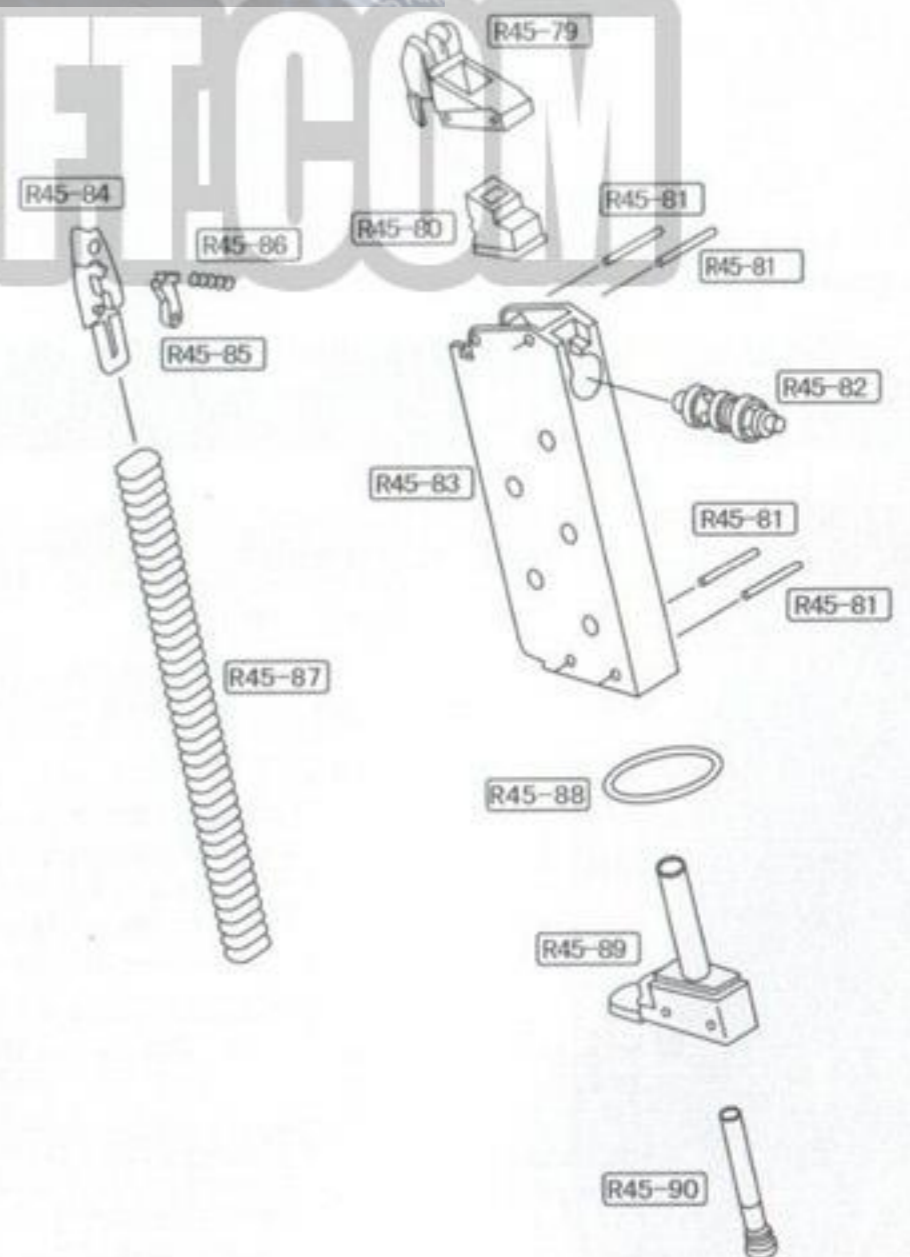


Empress
Pay attention to the correspondence of the front and back direction.

Frame



Magazine



It is regarded as the smallest Custom Government pistol in the world.

Regarded as the smallest 1911 deriving-style pistol, the Detonics 45, is famous for the 0.45-caliber bullet, which can make the target lose its ability by shooting once since it was formally adopted by the American army in 1911. Meanwhile, the pistol is trusted nationwide in America. And this is the series of pistols designed and manufactured by Kelt Company. Since the early years of M1911's designment, it has enjoyed high degree of perfection. So far, its mechanical function has been adopted in the field of pistols, many manufacturers therefore produce a variety of specially-sized pistols according to M1911. However, it's the DETONICS Company's series of COMBAT MASTER launched after the last half period of 1970s that built the base of subcompact in the market of specially-sized pistols. Before this, only parts of them were micromation by the firearm craftsman. Though the demands are big for the portable and compact pistols from the mass, the manufacturers didn't launch the products in time. The subcompact pistol had been the only simplex and extremely rare tailor-made product before the COMBAT MASTER came into the market.

The length of the 4.5-caliber machine pistol was less than 4 inches at that time. In its field, the invariability of its actuating was thought to be difficult to be improved to the level of a big sale in the market. If the length is shortened, the space of loading the recoil spring should be shortened too and all kinds of instable factors such as strengthening of the actuating instability and the anti-actuating are produced. Therefore, DETONICS Company has used several recoil springs and developed RECOIL SYSTEM to limit the anti-actuating to the lowest degree, which is regarded as the utmost pistol (the length is 3.5 inches (89mm)) that was launched in the market. First carried to the market as the smallest and the most practical 4.5-caliber semiautomatic bulldog, the subcompact COMBAT MASTER has classical structure, utmost simple 3.5-inch pistol shape, which is most impressive.

Detonics.45 COMBAT MASTER/ actual data Name: COMBAT MASTER MC-1 Whole Length: 178mm (subject to the differnet manufacturing time) Weight: 822g (excluding cartridge clip) Pistol body: 89m Number of shot: 6+1 shot Bullet: 0.45ACP bullet
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The designment of the COMBAT MASTYER appearance is very unique. Speed set before shooting is the effective near-to-middle distance while using. Shorten the distance from the rear sight to the forepart by moving the rear sight forward to about one inch, so that the shooting accuracy reduces while the speed of the side orbit increases. Moreover, it's easy to press

the trigger in the state of hammer locked by setting safety mechanism on the top of the slide's back side. As a result of this little improvement and diversified elements, performances of the speed for the COMBAT MASTER has been carried to a new and higher level.

Persisting in the unceasing innovating spirit, DETONICS has been renovating the pistol structure itself. What is unique for it is to thicken the front part of the barrel to be a taper one. The moment you fire, it makes the front part of the slide and that of the barrel fixed so that the muzzle becomes steady. After shooting, the slide does not touch the barrel while it is receding at the same time, this make it actuate more smoothly. There is wad that can make the barrel stable in the traditional pistol slide, but when the slide actuates, the wad and the barrel repeatedly touch, as a result, the stability of the actuating is not as good as you expect. After COMBAT MASTER came into the market, requirement for the pistol with a taper barrel has increased as it ought to be because of the improvement of actuating stability.

However, the single point of joining the characteristic of MINISIZE to the traditional pistol cannot fully reflect its unique charm. In order to exert the greatest advantage of using 4.5-caliber bullets in the actual combat and further develop and promote it with a brand-new concept, Detonics enjoys a great reputation for it.

In the actual pistol world, as soon as COMBAT MASTER manufactured by DETONICS is told, it wins universal reputation that it is the pronoun of famous revolutionary pistol that is improved and innovated in the pistol field. 45 COMBAT MASTER produced by DETONICS has used a taper barrel developed by DETONICS and 2 springs, which reappear double-wick recoil spring structure. Of course, when it is disassembled (while it is maintained), it is divided into 5 kinds of individual assembly as the actual pistol used to be, so it is unnecessary to worry about the quantity of the parts and sequences. Capability and appearance are not the only practical pursuing. Despite these, both real pistol's characteristics and rationality are fully reflected in the product of R45 produced by army.



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