

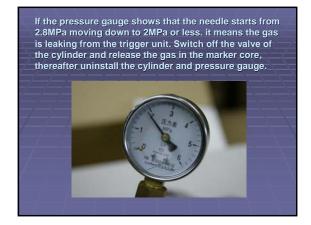


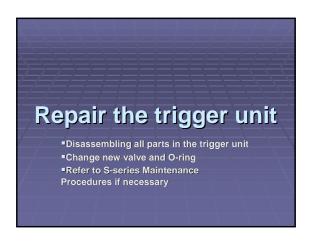




Change new Valve and O-ring and re-install all parts of the pressure unit and test the pressure again until the pressure gauge shows at 2.8MPa approximately.

New Old





















Test the rate of fire After resolve the gas leaking problem from the pressure unit or trigger unit, re-check the pressure and make sure the needle on the pressure gauge is pointed to 2.8MPa approximately. If it passes, tight the rate of fire unit screw all the way and then turn back and loose it a bit. Then test the rate of fire "AUTO" mode. Push the fire selector controlling bar forward and press the trigger. The normal rate of fire is 3 to 4 shots per seconds. The tightness of the rate of fire unit screw will affect the performance of the firing (shooting) when users switch the firing selector to "AUTO".

End of the Maintenance Procedures

- Assembling all parts and units
- Be noticed that the case ejector should be pressed down before combining the Body Group with the Hand Grip.
- Make sure the barrel is aligned when all parts and units have been assembled
- Apply few drops of lubricant oil into the marker core if necessary.

General Maintenance on RAM

(Apply to R-series, S-series and A-series)

Noticed:

Parts number will be different between each series but generally the part mentioned in the followings can be applied to each series.

Gas Leaking

- From muzzle velocity unit If Paintball Marker cannot shoot projectiles consistently, it is because pressure in the muzzle velocity unit is not steady. Check part 4110 and/or 4111A change them if damaged. (When pressure gauge shows that the needle is not keeping around 2.8 but rising to 4 or over, it means the pressure is not steady and moving rightward.)
- From the trigger unit if gas is leaking without pressing the trigger, it means gas is leaking from the trigger unit. Check part 4129A and/or 4130 and change them if damaged. When pressure gauge shows that the needle is not keeping around 2.8 but dropping to 1 or less, it means the pressure is not steady and moving leftward.)

Gas Leaking (Con')

- Paintball Marker is functioned (shooting) automatically without pressing the trigger – It means O-rings (4133 and 4135) inside the trigger screw (4131) are too dry. Change them and add few drops of grease oil.
- From rate of fire unit If gas is leaking and it is difficult to adjust the rate of fire, please change a new O-ring (4121) if necessary.

Marker firing has a time lag

A time lag is happened when the projectile is not shot out immediately as pressed the trigger. The reason is that the screw at the rate of fire unit is too tight; or the pressure does not reach 2.8MPa. First, loose the screw at the rate of fire unit. Turn it anticlockwise to adjust a little bit. If it is not improved, try to increase the pressure.

Shot does not go straight

 Check the barrel if there is oily (too smoothed). It makes the shot does not go straight consistently.

Case Jam

- Check the Launching Compartment Unit. If the surface inside the Compartment is rough due to the damage by the case ejector (causing by shooting empty), use a file to cut the rough texture out
- If the case is jamming between the front of the Launching Compartment Unit and the Barrel Adaptor Cover, it is caused by the incorrect installation of the barrel. In this situation, it is necessary to adjust the barrel back to align the Launching Compartment Unit. Use a sharp tool to test that the Barrel Adaptor Cover does not interrupt the alignment.

Projectile is not loaded

If the projectile (case) does not rise up to the proper position, it
means that the main magazine spring is depreciated or the inner
core of the magazine is damaged. Check or change a new main
magazine spring (4901). Change the inner core component of the
magazine if damaged, too.

Projectile falls out from the Magazine

 If the first projectile falls out from the magazine, possibly the casing hook (4909) is damaged; Or casing hook is not pressed when loading the projectile into the magazine. Change a new casing hool if necessary.

Shot is fatigue

 Check O-rings (4142A and 4143A) in the Launching Compartment if both are too loose. Pull the Launching Compartment sideward by hand carefully. If it is ease to pull out without tension, change new O-rings (but both cannot tighten too much.)

Safety Lever (Fire Selector) is loose

- If the fire selector is loose to fix on one position, especially when it is switched automatically from full auto mode to semi auto mode, change a new Locking micelle (4314) and spring (4315).
- Paintball Marker is function even Safety Lever (Fire Selector) is pointed at Safe mode
- Check that the screw in the valve unit is too tight or too loose

Case is not ejected

 After pressing the trigger and firing, the case is not ejected immediately. It means that the spring (4152A) of the case ejector is hooked on the case ejector properly; or the spring of the case ejector is broken. Hook it back onto the case ejector or change a new one if necessary.

End of the maintenance instruction manual

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