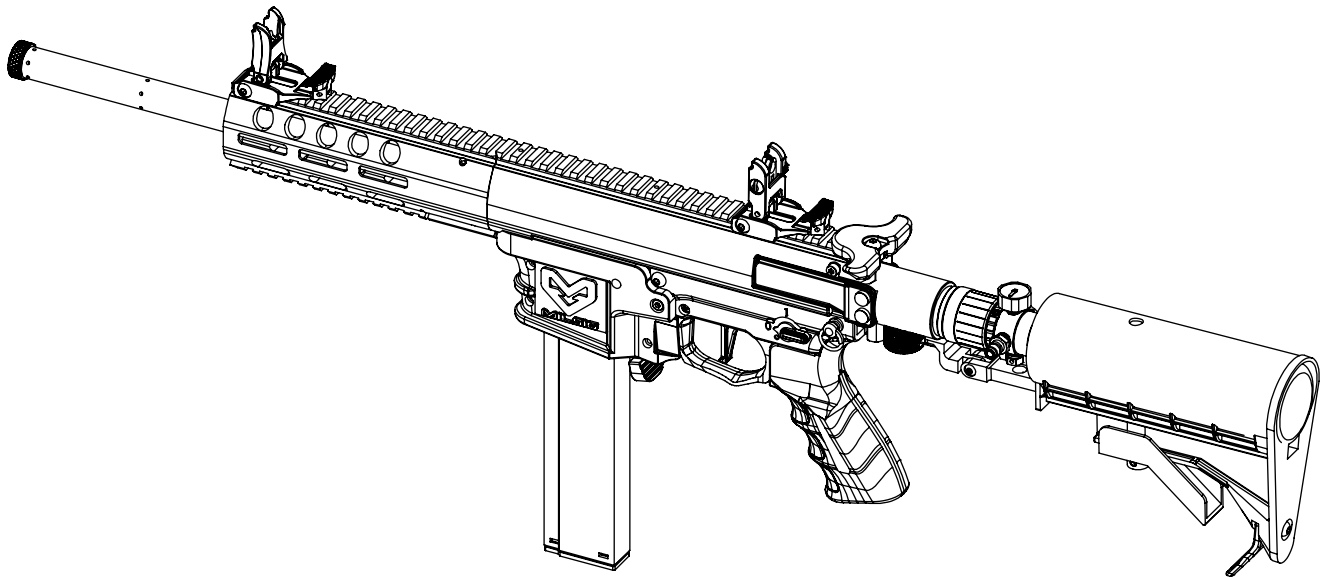




MILSIG

M79 SERIES

HPA FOAM DART BLASTER



USER MANUAL

Latest updated: Sep. 27, 2021

MADE IN TAIWAN



WARNING

WARNING/LIABILITY STATEMENT

This blaster is a toy and is surrendered by MILSIG, with the understanding that the purchaser assumes all liability from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. MILSIG, shall not be liable for personal injury, loss of property or life resulting from the use of this product under any circumstances, including any intentional, reckless, negligent or accidental discharges.

All information contained in this manual is subject to change without notice. MILSIG, reserves the right to make changes and improvements to products without incurring any obligation to incorporate such improvements in products previously sold.

If you, as a user, do not accept liability, MILSIG, requests that you do not use a MILSIG blaster. By using this MILSIG blaster you release MILSIG, of any and all liability associated with its use.



WARNING Any MOD to the M79 may result in failure and accident. All safety protocol and guarantee will terminate with MOD.

- MILSIG M79 HPA FOAM DART BLASTER IS A TOY BLASTER, NOT A WEAPON.
- Careless use or misuse may result in serious bodily injury.
- Eye protection designed for blaster must be worn by the user and all persons within range.
- Must be 14+ years of age or older to operate or handle any blaster and blaster accessories without adult or parental supervision.
- Read and understand all cautions, warnings, and operating manuals before using any blaster or blaster accessory.
- Do not aim blaster at eyes or head of people or at animals.
- Blaster are to be used with foam dart only.
- To prevent fire or shock hazard, do not expose unit to rain or moisture.
- To prevent fire or shock hazard, do not immerse unit in liquids.
- To prevent fire or shock hazard, do not disassemble any mechanical HEAT-CORE part.
- Use common sense and have fun.

Any tampering with the unit voids your warranty. Please consult with a MILSIG® local distributor before performing any maintenance. The use of non factory authorized components within this product may cause a fire or shock hazard.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

WARNING: This product may contain chemicals known to the state of California to cause cancer and/or birth defects of other reproductive harm. Wash hands after handling.

You must be at least 14+ years of age to purchase this product. This product may be mistaken for a firearm by law enforcement officers or others. Altering the color of the product or brandishing the product in public may be dangerous and may be considered a crime.

Be sure to read the latest version of USER MANUAL before using product.

Be sure to read the latest version of YouTube DEMO VIDEO before using product.



LATEST UPDATE



DEMO VIDEO

<https://is.gd/3eG77i>



USER MANUAL

<https://is.gd/zOGVoz>



MILSIG Modular
Blaster System

<https://is.gd/OynL9j>



QUICK START GUIDE

Thank you for purchasing the MILSIG M79 blaster. Like any blaster, it is important that safety is on the forefront of your mind at all times when using this product. Never operate the M79 without ASTM compliant goggles or aim at anyone that is not wearing proper goggles intended for the game of foam dart.

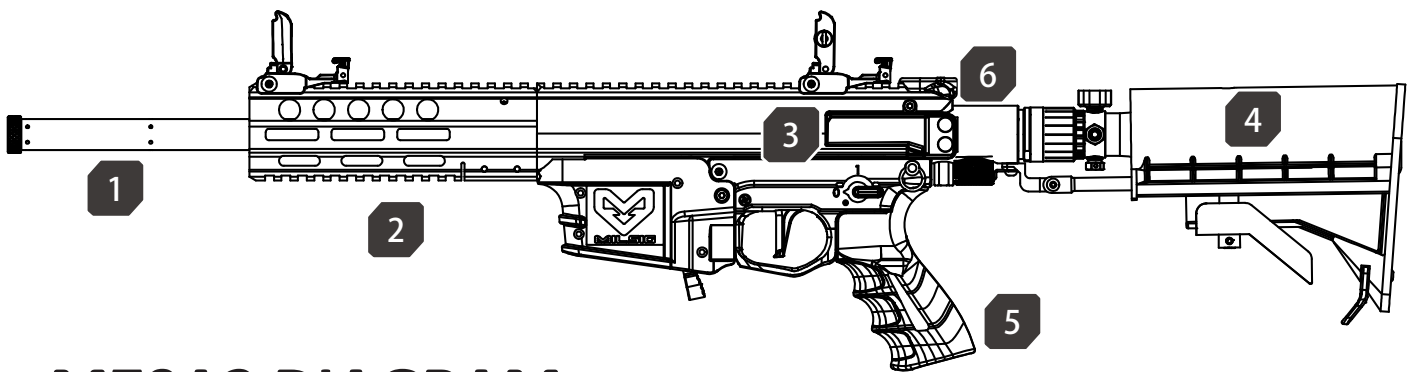
The MILSIG M79 blaster is an advanced system that is suitable for all levels of play and will provide years of service if the following steps are meticulously followed.

1. Before airing up, place 3 drops of MILSIG approved oil into the ASA (Air Source Adapter).
2. Screw in your air source into the rear ASA (Air System must have an output pressure of 800 psi for the M79 to function properly)
3. "Dry" Cycle the M79 without paint to evenly distribute oil into unit.

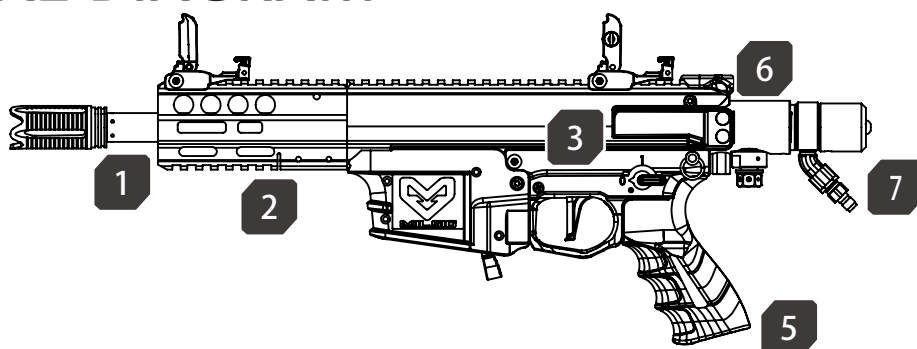
NOTE

The performance of M79 series HEAT CORE are the same. Please refer to P. 9, SPECIFICATIONS to know different spec between M79 and M79A2

M79 DIAGRAM



M79A2 DIAGRAM

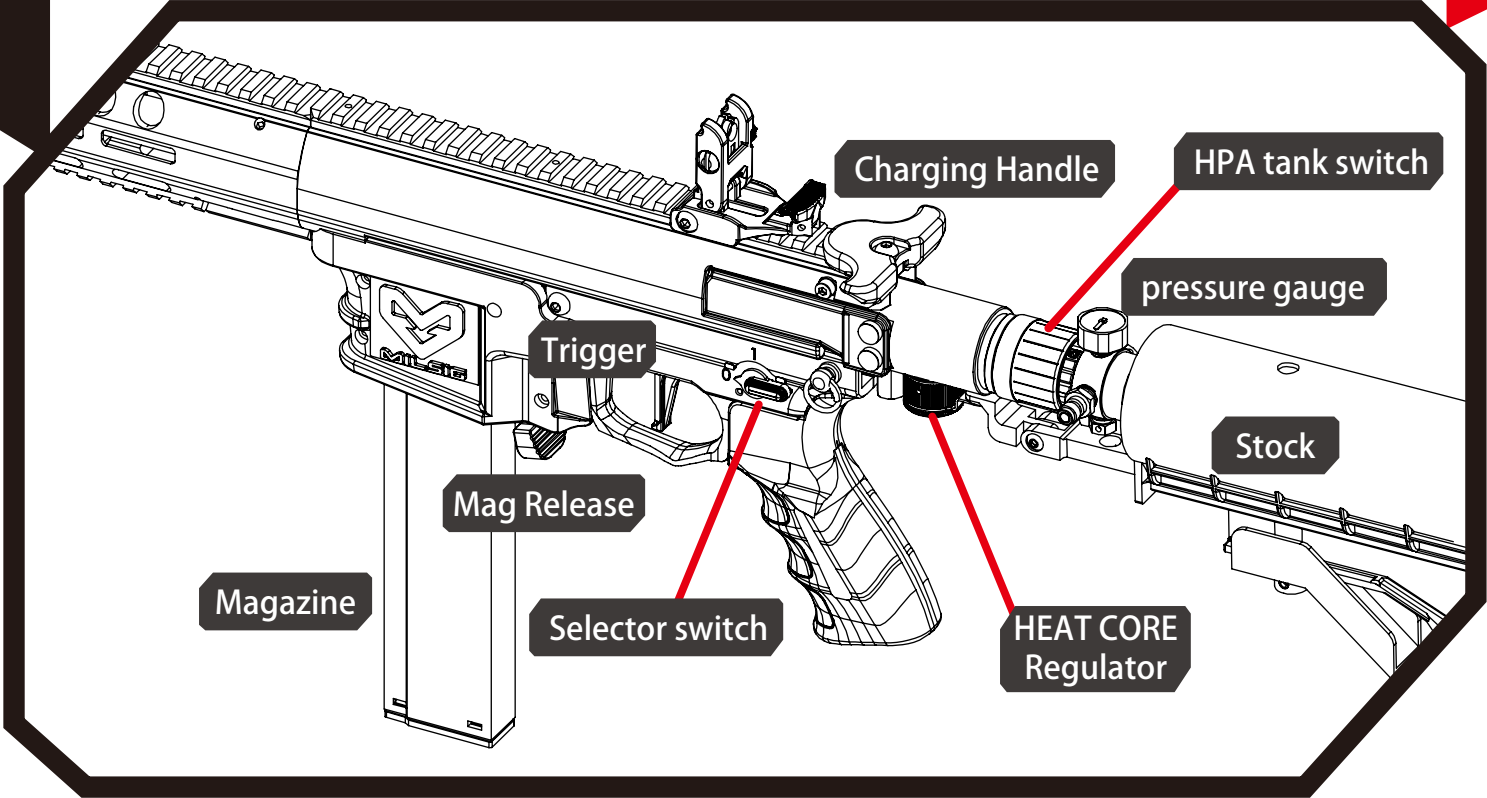


- | | |
|--|-----------------------------------|
| 1 SCAR integrity barrel | 4 HPA Stock Unit |
| 2 Handguard | 5 Pistol grip |
| 3 Main Unit (HEAT CORE inside) | 6 ASA (Air Source Adapter) |
| 7 EXTERNAL HPA TANK CONNECTOR (to HPA tube) | |

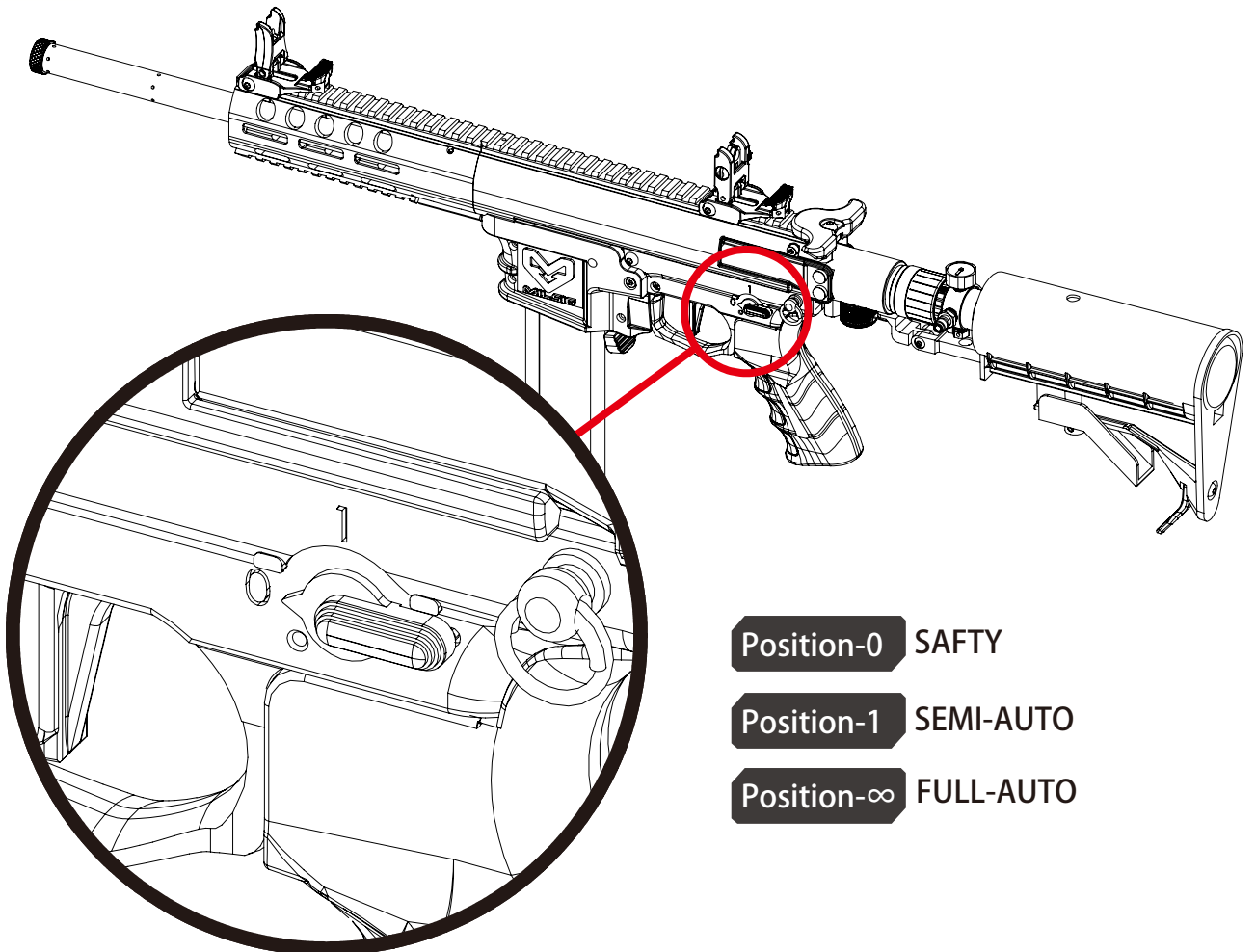
※ : HPA tube and HPA tank NOT INCLUDED



OPERATIONAL PARTS



SELECTOR SWITCH





OPERATION INSTRUCTIONS

INSTRUCTIONS

1. MILSIG M79 series is power by HPA. Check the air pressure via pressure gauge.
2. Fill the MILSIG MAGic CORE HPA tank to 3000 psi before using the M79.
3. M79 cannot function if the air pressure is lower than 800 psi. Always keep the pressure of the air tank over 800 psi when using.
4. Be sure to switch the selector switch to SAFTY mode every time when turning ON/OFF the HPA tank. Otherwise the HEAT CORE may be activated unexpectedly.
5. Turn on the switch of MILSIG MAGic CORE HPA tank to activate the HEAT CORE before using M79 blaster.
6. Turn off the switch of MILSIG MAGic CORE HPA tank to deactivate the HEAT CORE when you want to stop playing.
7. Before adjusting the air velocity with HEAT CORE regulator, please switch off MILSIG MAGic CORE HPA tank first.
8. To use M79A2, connect HPA tank and EXTERNAL HPA TANK CONNECTOR via HPA tube.
9. Another way to use M79A2: Remove EXTERNAL HPA TANK CONNECTOR, twist-in the HPA tank to ASA as P.7 showed.

WARNINGS

1. Always keep the pressure of the MILSIG MAGic CORE HPA tank below 3000 psi for safety concern. Otherwise, the safty seal of HPA tank will activate.
2. The HEAT CORE may activate unexpectedly even the selector switch stay in SAFTY if user choose to use non-MILSIG HPA tank without HPA tank ON/OFF switch.
3. Do not insert any body part or any other object to Bolt Action Window before switch the selector switch to SAFTY mode.
4. Do not leave the CO2 cartridge in the CO2 stock for more than 3 hours.

BEST PERFORMANCE

1. MILSIG recommends players set at least 200 FPS velocity for 20m level shot; at least 300 FPS velocity for 30m level shot.
This test result base on using MA foam dart.
2. For best accuarcy, MILSIG suggest user install external SCAR. Otherwise, user can choose to tie 6 string on the SCAR integrity barrel to increase accuarcy even the velocity may decrease a little bit.
3. The performance of velocity, accuracy and maximum range of MILSIG M79 HPA FOAM DART BLASTER will be affect by the quality and SPEC of the foam darts under the same air pressure setting.
MILSIG recommends using the MILSIG & AACS foam dart (MA dart) to perform the best performance of M79 series.

MILSIG&AACS foam dart (MA dart)

Weight : 1 ± 0.1 g

Length : 37 ± 0.15 mm

Dart head Hardness : 24 ± 2 Hs

Diameter : 13 ± 0.1 mm

Foam material : High density foam

Dart head material : Thermoplastic rubbers (TPR)

FULL-AUTO FUNCTION

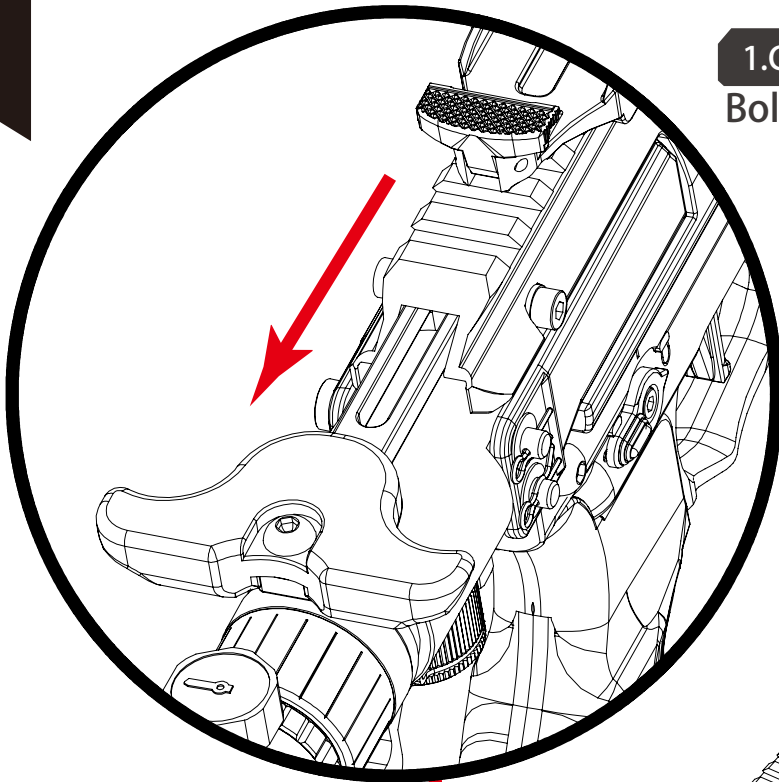
1. Set up the HEAT CORE regulator and make sure the air velocity is higher than 240 FPS.
2. The air pressure supply must be higher than 1000 psi to ensure the FULL-AUTO function fully operational.
3. 2 stage trigger functioning when using FULL-AUTO mode. Pull the trigger a little bit for single shot; pull the trigger to the end for FULL-AUTO shot.
4. CO2 power can't activate the FULL-AUTO function.



DART JAM REMOVE

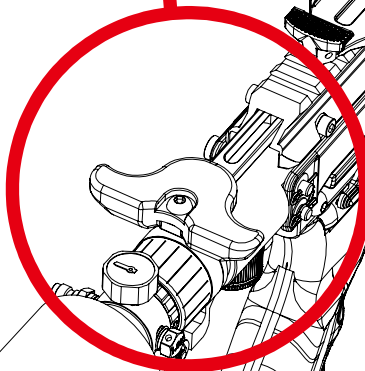
1. Charging the Handle

Bolt return to zero position

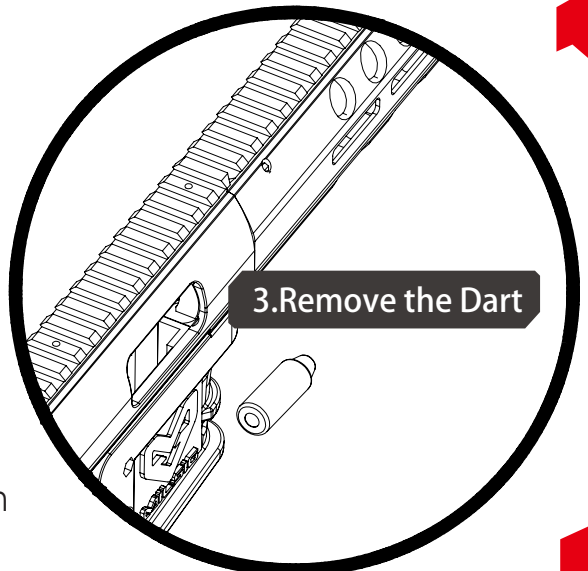


Bolt Action Window

2. Release Magazine



3. Remove the Dart



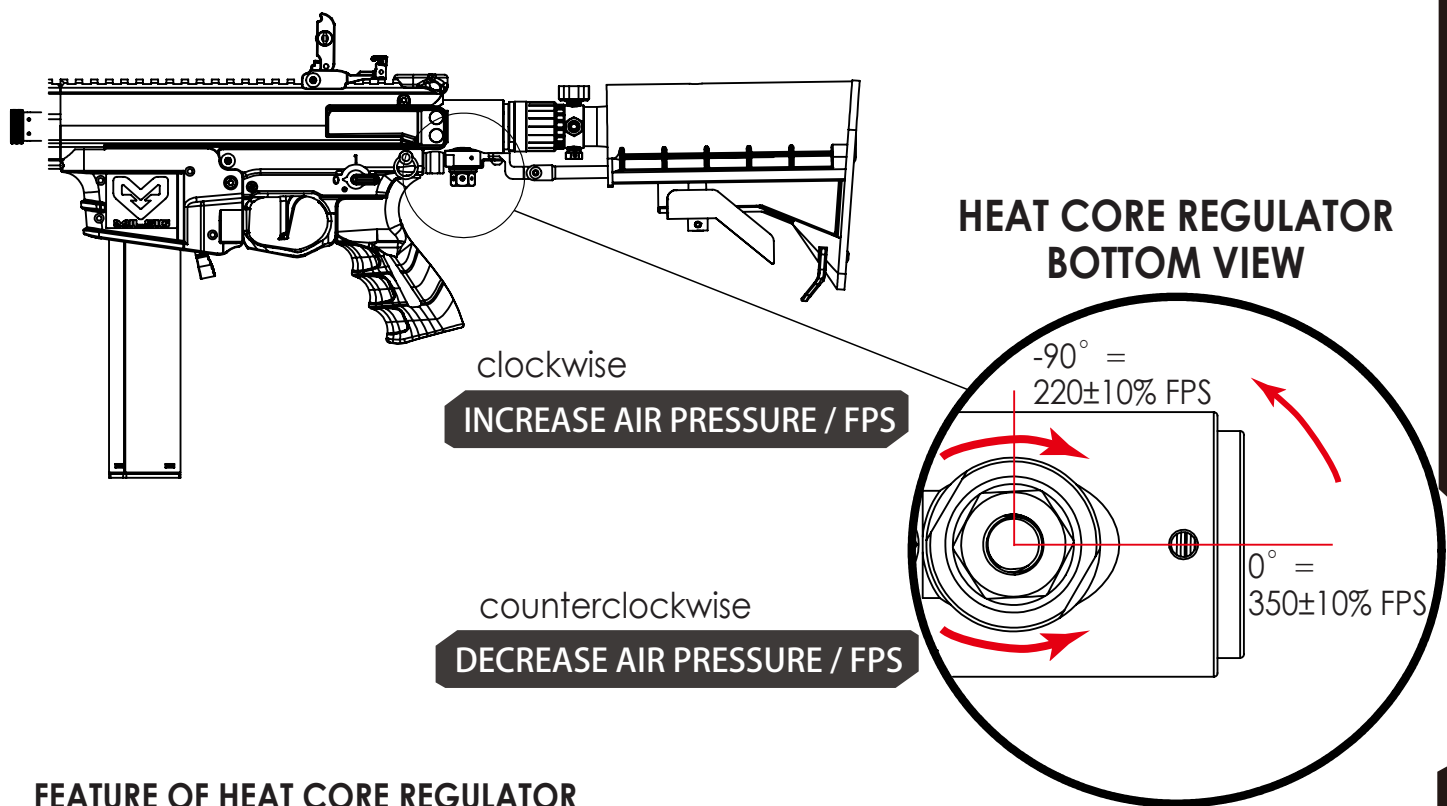
※ : For your safety, be sure to switch the selector switch to SAFTY mode before remove the foam dart.



VELOCITY ADJUSTMENT

ADJUST THE VELOCITY with HEAT CORE REGULATOR

1. Before start adjusting the air velocity with HEAT CORE regulator, please switch off MILSIG MAGIC CORE BLACK HPA tank first.
2. Make sure M79 blaster is on SAFTY mode by checking the selector switch.
3. Increase velocity by turning velocity adjustment set screw clockwise, or decrease velocity by turning counterclockwise. Fire several shots to test new velocity setting before further adjustments are made.
4. The range between the maximum velocity and the minimum velocity of the M79 blaster HEAT CORE mechanical system is around $140 \pm 10\%$ FPS which the test is based on MA foam dart.



FEATURE OF HEAT CORE REGULATOR

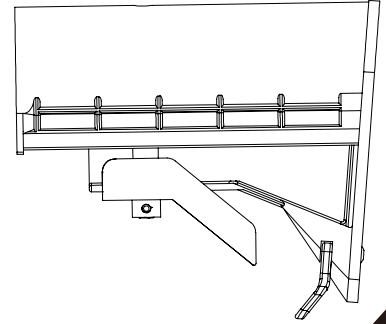
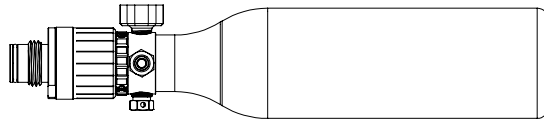
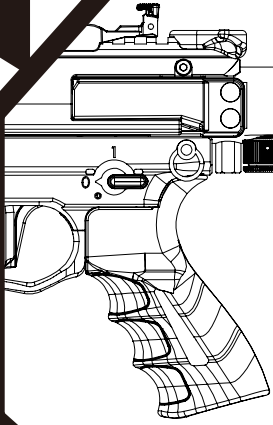
1. HEAT CORE REGULATOR is sensitive. 1 degree change of REGULATOR screw leads to around 2 FPS change. This test result is based on using MA foam dart.
2. Rotating the regulator clockwise to the end to launch the foam dart at maximum velocity.
3. Rotating the regulator counterclockwise to the end will cut off HPA supply.
4. There is an minimum working air puesday for HEAT CORE.
Rotate the regulator in counterclockwise too much will result in insufficient air supply.
Rotate the regulator in clockwise to increase the air supply if the HEAT CORE work abnormal which cause by insufficient air supply if the situation above happened.

NOTE

Make sure the air pressure of the blaster is stable after every velocity adjustment by firing multiple shots through a chronograph. It may take several shots for the velocity change to happen. M79 blaster may fire one shot when it is aired up. This is due to the bolt was left in its position from the previous use. The bolt will reset itself and it is not a sign of malfunction.

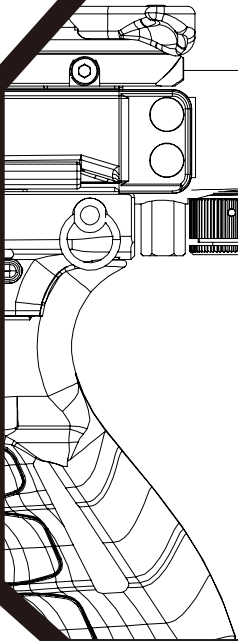


STOCK INSTALLATION



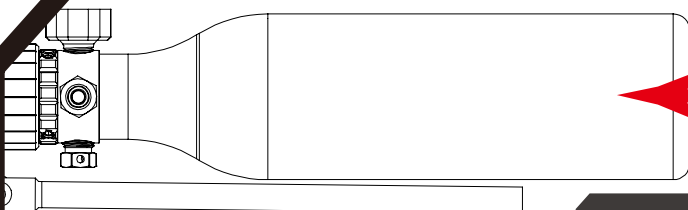
1. Check before Install

- a. Remove magazine
- b. Ensure breech is empty
- c. Selector switch stay in SAFTY mode



2. Twist-in the HPA tank into the ASA

3. Close Stock Guide



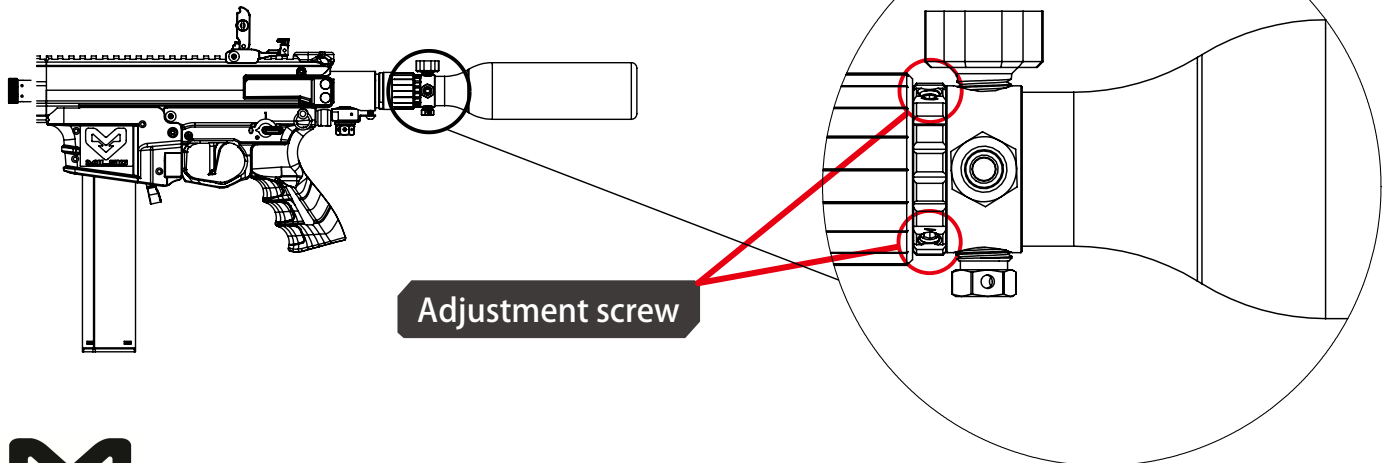
4. Install Stock



MAGic CORE ADJUSTMENT

ADJUST THE DIRECTION OF PRESSURE GAUGE ON MAGic CORE HPA tank

1. Be sure to empty the air tank before adjusting the place of pressure gauge.
2. Install the HPA tank into the ASA.
3. Loosen all three of the adjustment screws.
4. Make the pressure gauge of the HPA tank face the top, aligned and paralleled to the charging handle by rotation.
5. Tighten all the adjustment screws.



CLEANING & MAINTENANCE

CLEANING

- Never perform maintenance on a loaded or pressurized M79 blaster.
- Remove all projectiles from the magazine and blaster prior to doing any cleaning or maintenance. Never use petroleum based cleaning solvents or lubricants.
- Do not use aerosol spray cleaning solvent.
- To clean the M79 blaster, remove the barrel by twisting it out. Use soft nylon brushes or soft cotton fabrics to clean the barrel. Do not apply any liquid to the barrel. (water, grease etc..)
- Keep the barrel of the M79 dry.
- Wipe off any dirt or grime from outside with clean fabrics.

OILING THE M79 BLASTER

Before performing any of the following instructions, remove magazine. Point M79 blaster in safe direction and discharge until degassed.

OPERATIONAL CONSIDERATIONS

- M79 blaster functions normally between 37°F to 120°F (2°C to 49°C).
- Always keep the air pressure higher than 800psi when use.



WARRANTY & REPAIRS

MILSIG® warranties to the original customer purchaser or current owner that this product is free from defects in material and workmanship under normal use and service for a period of 12 months from the original date of purchase by the initial owner/purchaser.

For warranty to be effective, customer must return the product with MILSIG® Warranty stickers that came with the product within thirty days of purchase. MILSIG® agrees to repair or replace (at its discretion) any product within a reasonable period of time. This warranty does not cover o-rings, scratches, nicks, normal wear and tear of parts, any modifications or normal fading of anodizing or damage caused by dropping or hitting of products. This warranty shall not apply if it is shown by MILSIG® that the consumer caused the defect or malfunction because of misuse. This warranty only covers original factory parts. Any modifications or tampering of original factory parts will not be covered by this warranty. Any damage caused by water will not be covered by this warranty. Any malfunction caused by disassemble the MAIN UNIT and HEAT CORE will not be covered by this warranty.



SPECIFICATION

COMMON SPEC

UPPER RECEIVER&HANDGUARD MATERIAL : 6061-T6 ALUMINUM

MAIN PART MATERIAL : PA66 GF35 POLYAMIDE (NYLON)

MAXIMUM VELOCITY : 350 ± 10% FPS

PROJECTILE : MILSIG&AACs half-length foam dart (MA foam dart) / HYDROGEN round 13mm (NOT INCLUDED)

POWER : HPA/CO2

MAXIMUM AIR PRESSURE INPUT : 800 psi

ACTION : SAFTY/SEMI-AUTO/FULL-AUTO

M79 SPEC

LENGTH : 850 mm

HEIGHT : 175 mm

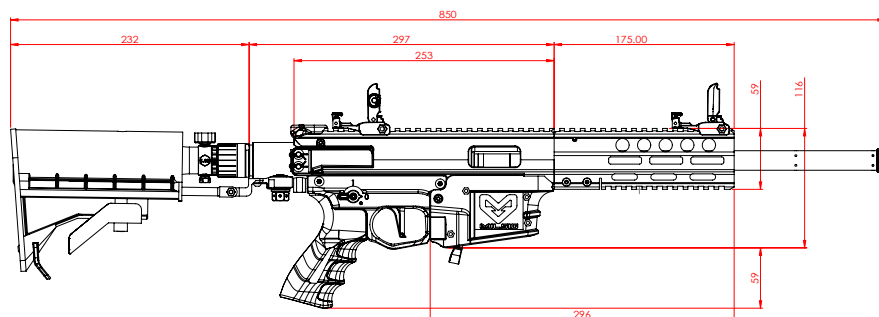
WEIGHT : 2.3 kg (HPA tank NOT INCLUDED)

BARREL : 300 mm x 19 mm (SCAR)

INNER DIAMETER: 19 mm

OUTER DIAMETER: 13 mm

(IRON SIGHT and HPA TANK NOT INCLUDED)



M79A2 SPEC

LENGTH : 556 mm

HEIGHT : 175 mm

WEIGHT : 2 kg (HPA tank NOT INCLUDED)

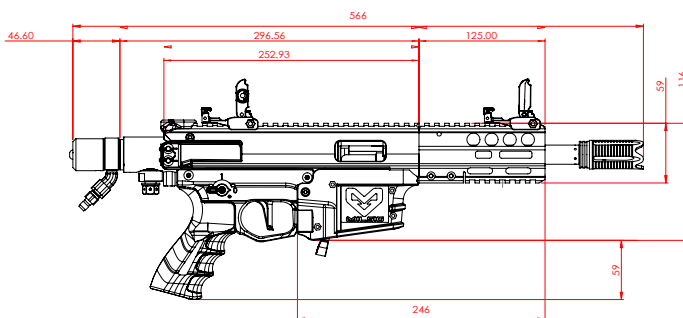
BARREL : 200 mm x 19 mm (SCAR)

INNER DIAMETER: 19 mm

OUTER DIAMETER: 13 mm

(IRON SIGHT and HPA TANK NOT INCLUDED)

(HPA tube NOT INCLUDED)



MAGAZINE SPEC

TALON

STORAGE : 13 mm half-length foam dart

Compatible to M79 series

(NOT INCLUDED)



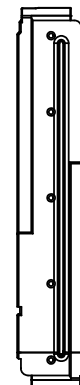
HYDROGEN

STORAGE : 13 mm round

Compatible to M79 series

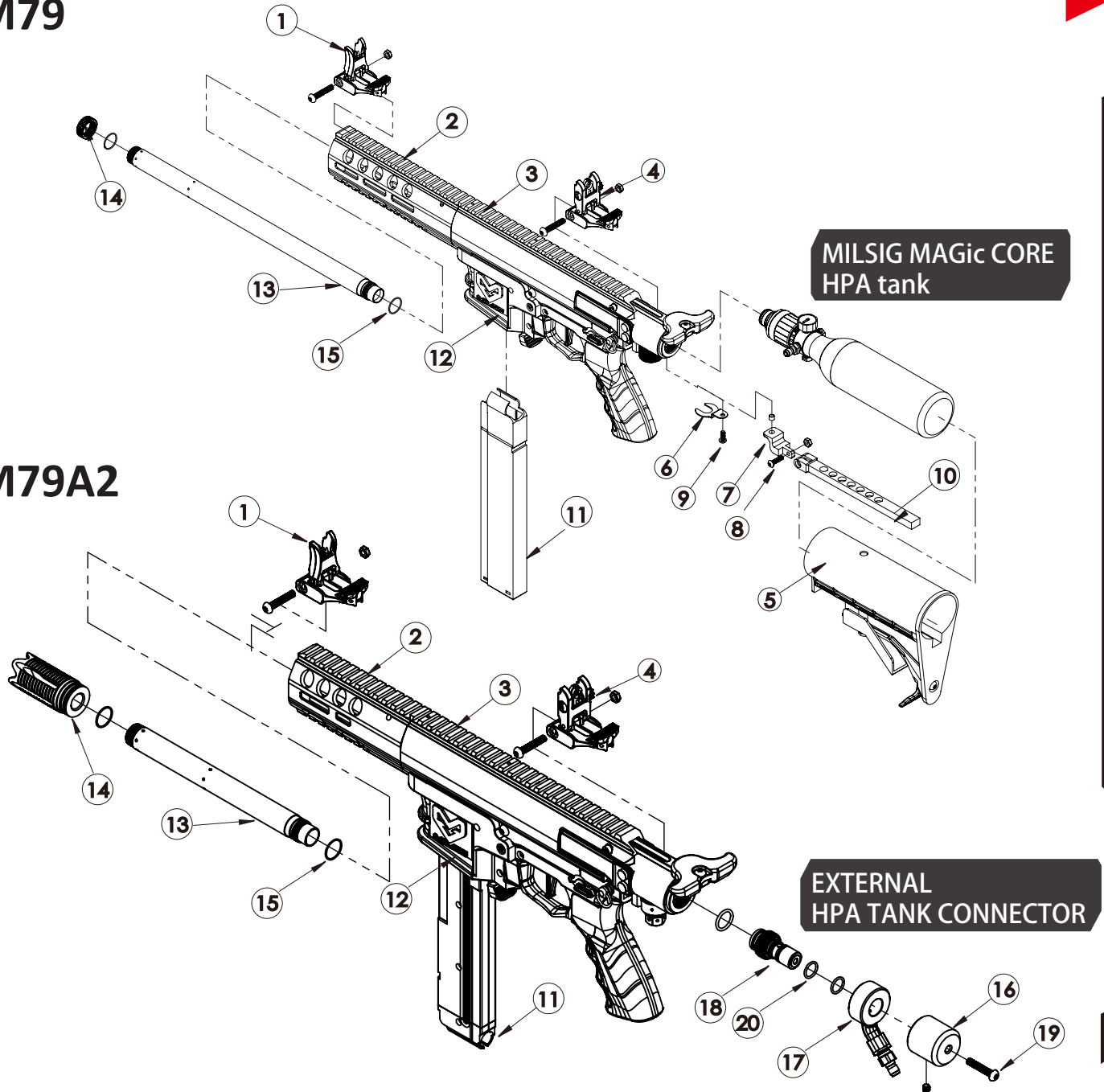
(NOT INCLUDED)

(READY TO LAUNCH)



ASSEMBLY GUIDE RECEIVER 1

M79A2



1. Front Sight (not include)

2. Handguard

3. Upper Receiver

4. Rear Sight (not include)

5. Buttstock

6. Stock Guide Rail Bracket

7. Stock Guide Rail Pivot Mount

8. Stock Guide Rail Screw M4X14

9. Stock Guide Rail Screw M4X10

10. Stock Guide Rail

11. Magazine (not included)

12. Magazine Well

13. Barrel

14. SCAR End Cap/Orange muzzle

15. Barrel O-ring

16. Real cap

17. 360 degree HPA connector

18. ASA connector

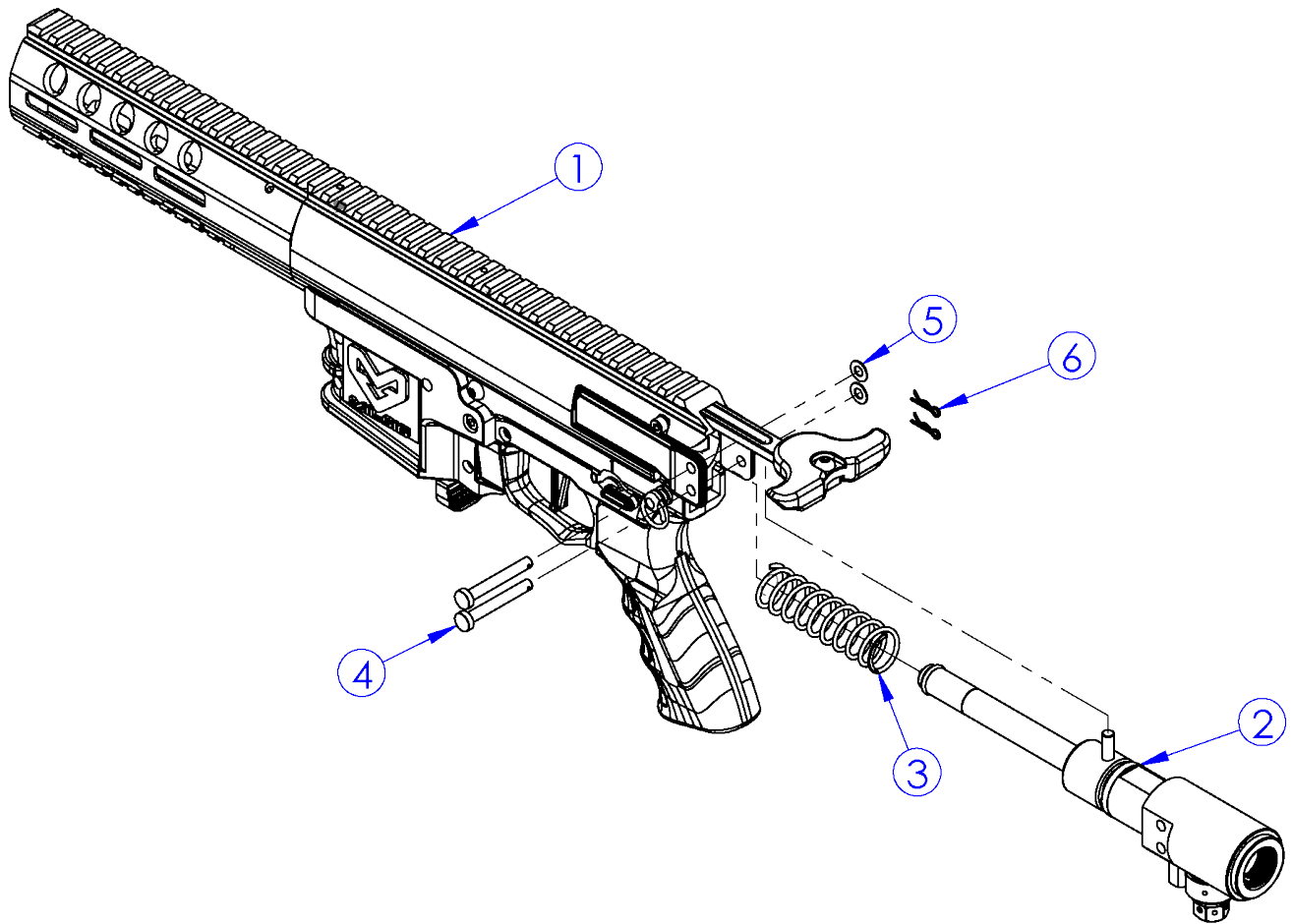
19. Real cap Screw M5X30

20. HPA connector O-ring

※ : MILSIG MAGIC CORE HPA tank and Sight NOT INCLUDED



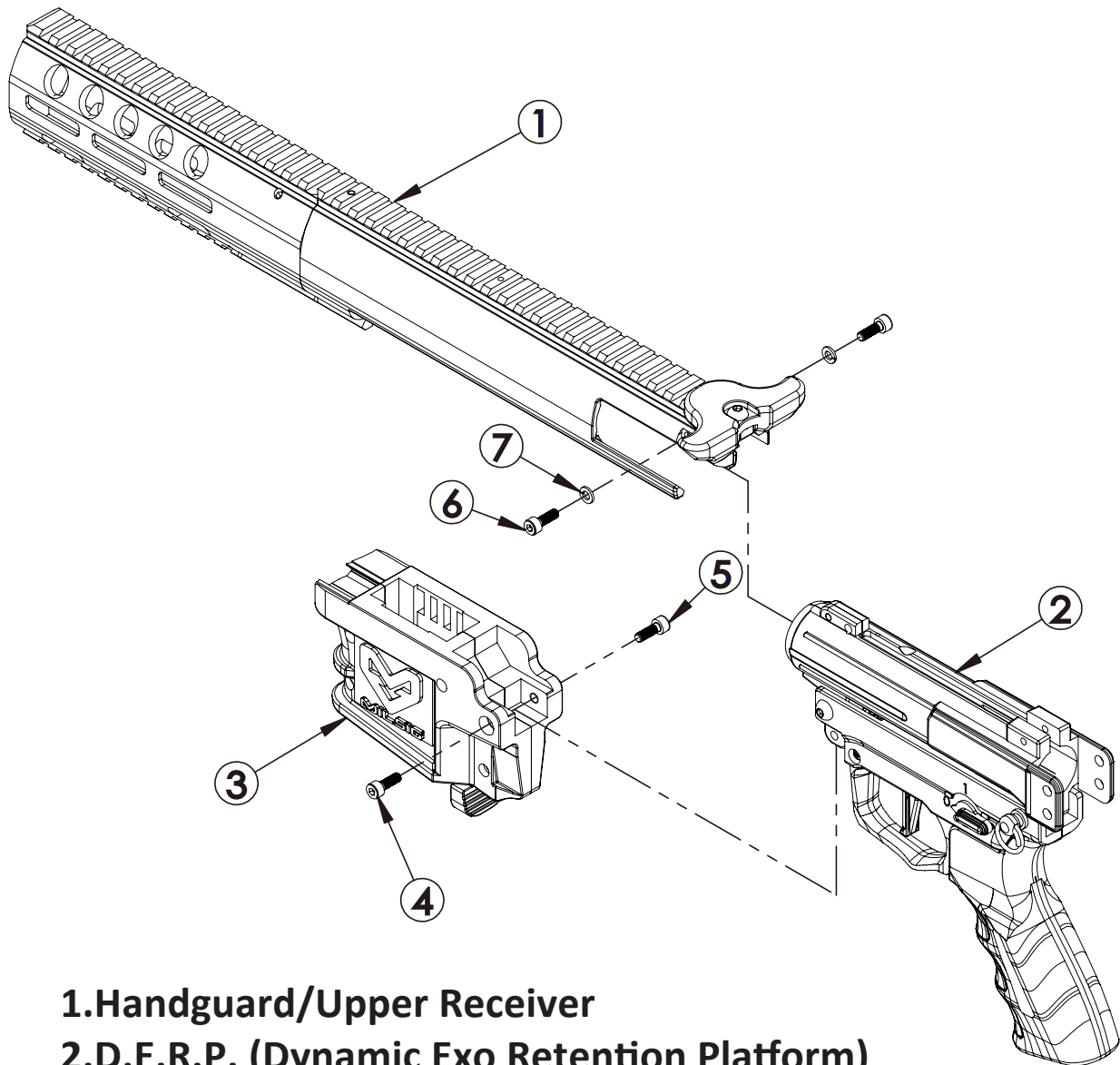
ASSEMBLY GUIDE RECEIVER 2



- 1.Upper receiver
- 2.HEAT CORE
- 3.Bolt Spring
- 4.HC Pin
- 5.Heat Core Pin Washer
- 6.Heat Core Cotter Pin



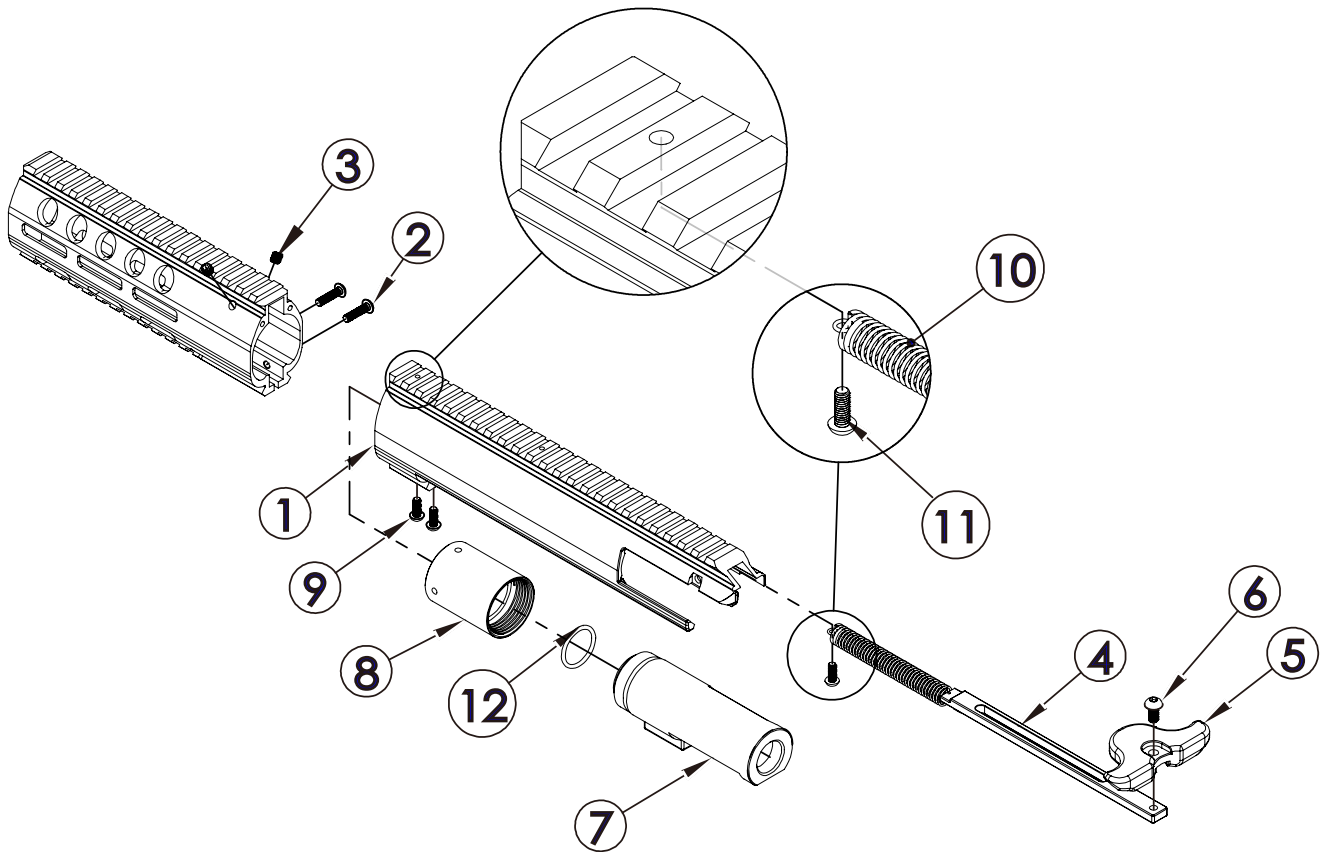
ASSEMBLY GUIDE RECEIVER 3



1. Handguard/Upper Receiver
2. D.E.R.P. (Dynamic Exo Retention Platform)
3. Magazine Well
4. Magazine Well Screw M4X12
5. Magazine Well Screw M4X12
6. DERP Screw M4X10
7. DERP Washer M4



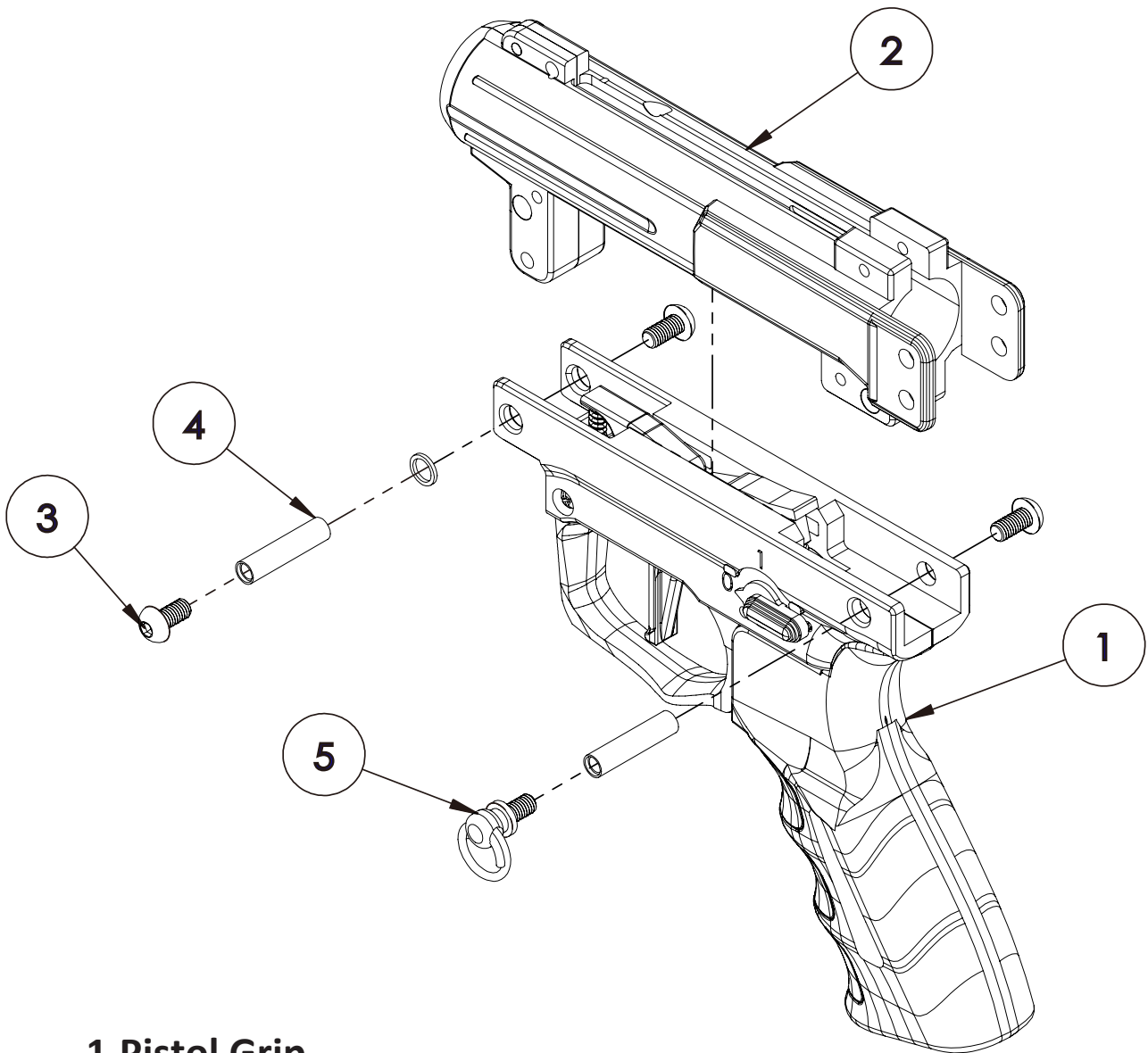
ASSEMBLY GUIDE RECEIVER 4



- 1.Upper Receiver
- 2.Barrel Block screw M4X16
- 3.Barrel Nut Screw M5X6
- 4.Charging Handle Rod
- 5.Charging Handle
- 6.Charging Handle Screw M5X10
- 7.Barrel Block
- 8.Barrel Nut
- 9.Barrel Block/Barrel Nut Screw M4X12
- 10.Charging Handle Spring
- 11.Charging Handle Screw M4X10
- 12.Barrel Block O-ring



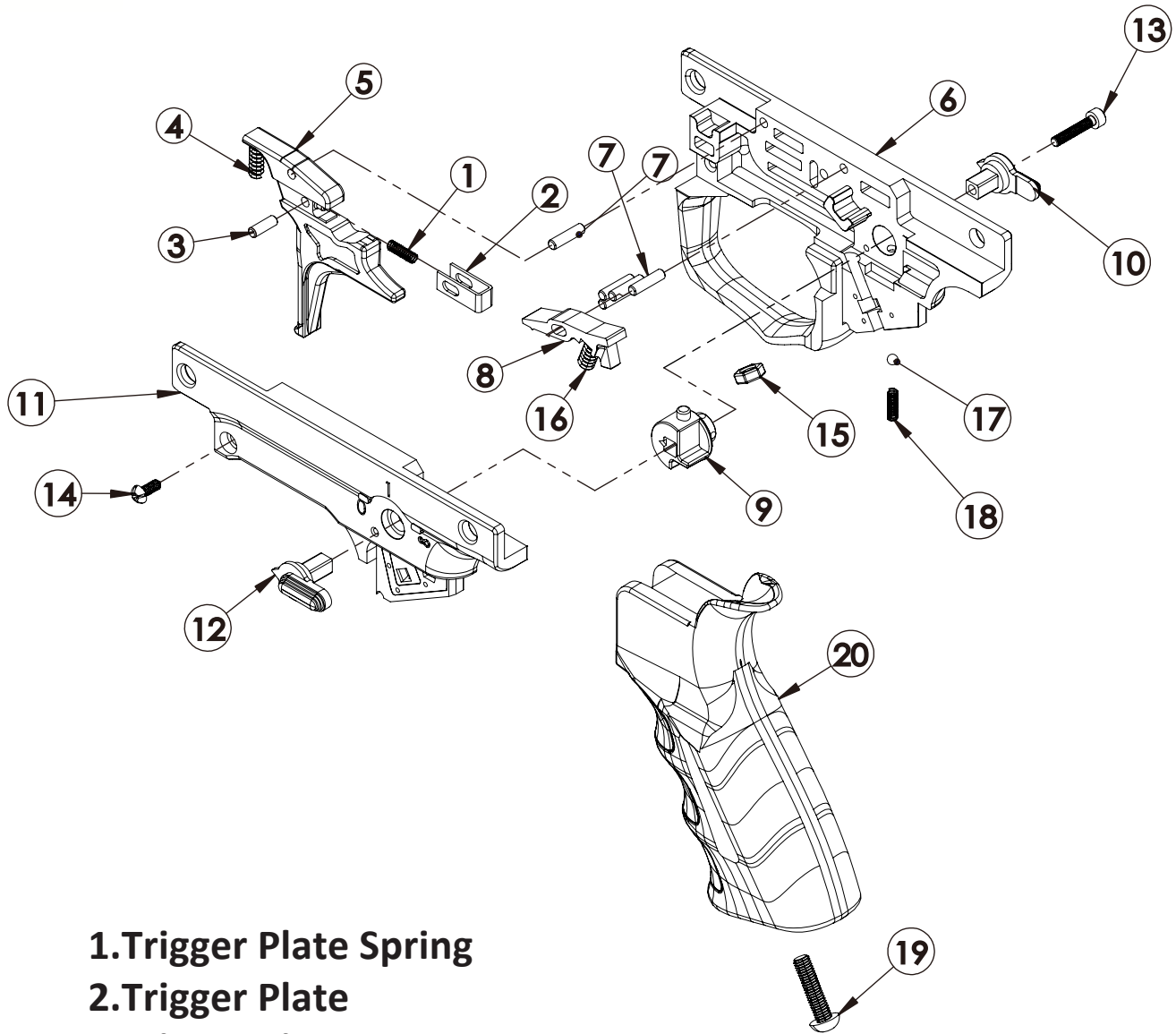
ASSEMBLY GUIDE RECEIVER 5



1. Pistol Grip
2. D.E.R.P. (Dynamic Exo Retention Platform)
3. Grip Screw
4. Grip Pin
5. Sling Swivel Mount



ASSEMBLY GUIDE GRIP



1.Trigger Plate Spring

2.Trigger Plate

3.Trigger Pin

4.Trigger Spring

5.Trigger Body

6.Grip Frame (R)

7.Grip Frame Pin

8.Sear

9.Selector Switch Cam

10.Selector Switch Retainer

11.Grip Frame (L)

12.Selector Switch

13.Selector Switch Screw

14.Grip Frame Screw

15.Pistol Grip Nut

16.Sear Spring

17.Selector Switch Ball Bearing

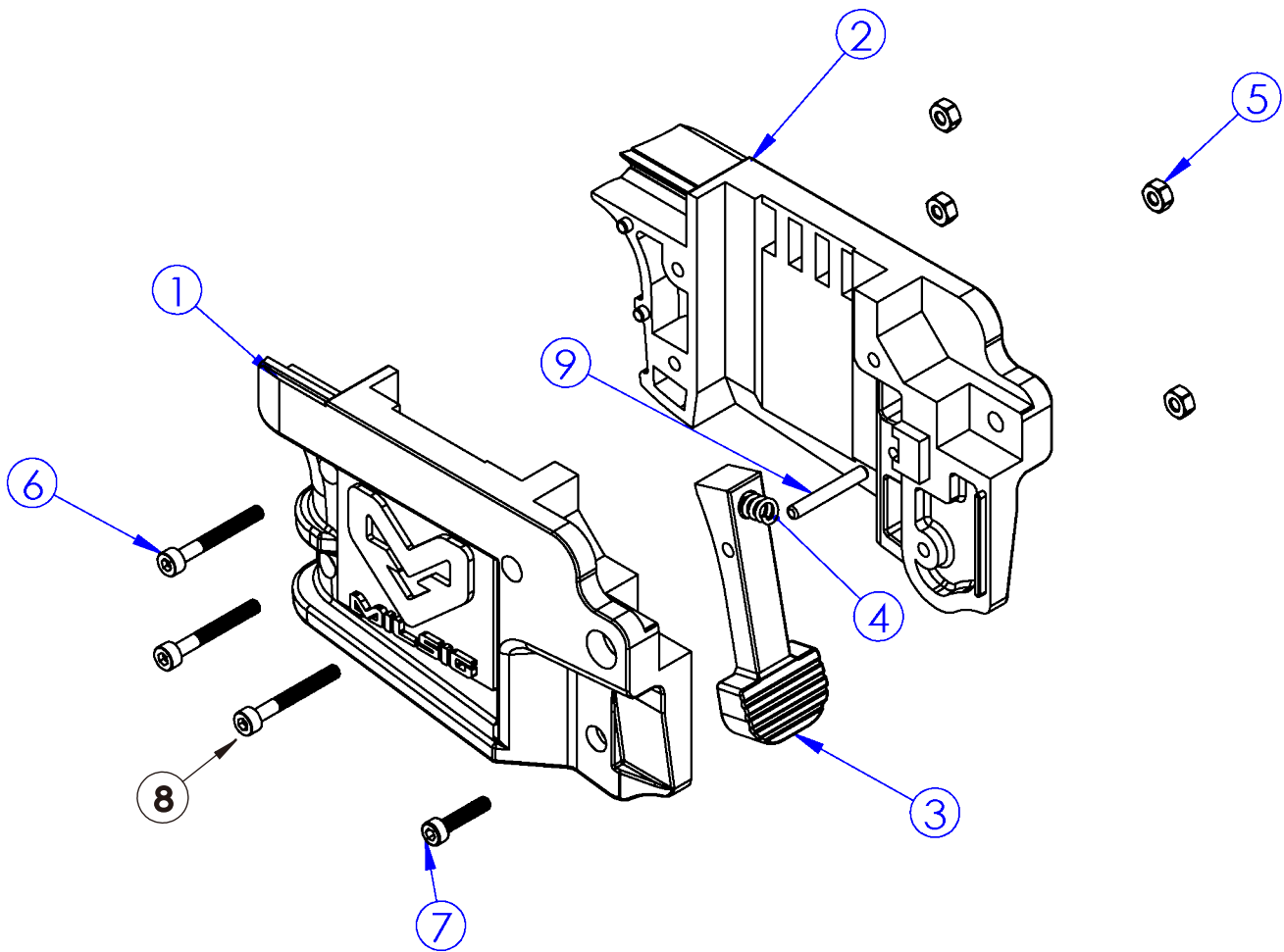
18.Selector Switch Spring

19.Pistol Grip Screw

20.Pistol Grip



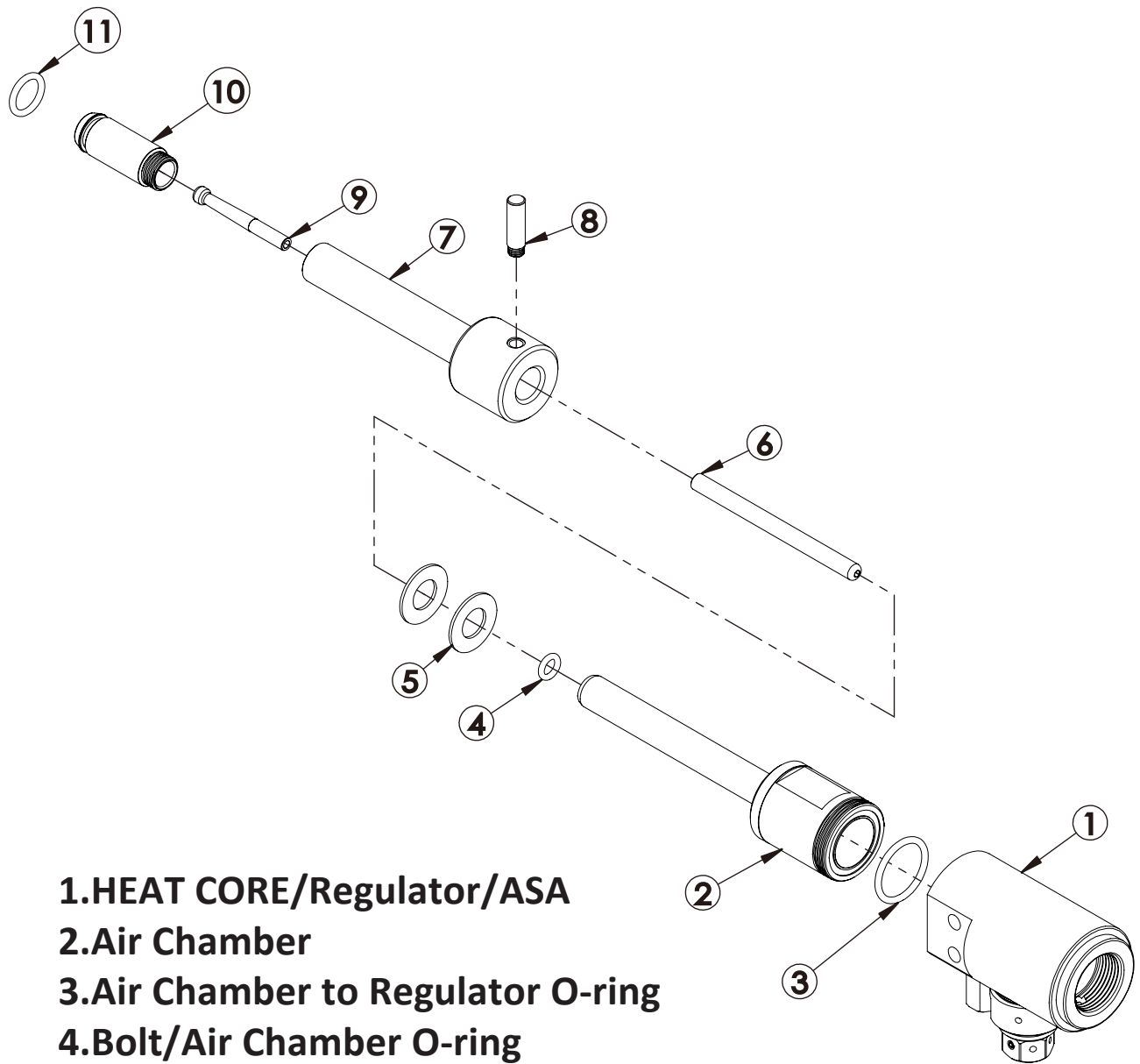
ASSEMBLY GUIDE MAG WELL



1. Magazine Well Frame(L)
2. Magazine Well Frame(R)
3. Magazine Release
4. Magazine Release Spring
5. Magazine Well Frame Nut
6. Magazine Well Frame Screw M3X20
7. Magazine Well Frame Screw M3X15
8. Magazine Well Frame Screw M3X30
9. Magazine Release Pin



ASSEMBLY GUIDE HEAT CORE



1. HEAT CORE/Regulator/ASA
2. Air Chamber
3. Air Chamber to Regulator O-ring
4. Bolt/Air Chamber O-ring
5. Shock Bumper
6. Value Needle
7. Bolt
8. Bolt Stem Guide
9. Anti-Burst Needle
10. Ring Jet Breech
11. Breech O-ring