Automatic lectric Guin
7 TR15 / TR16 ADVANCED AEG



#### TAIWAN

ChangHua | Tel: +886-4-798-9000 | Fax: +886-4-798-9900 (Head Quarter) No.999, Zhonghua Rd. Shengang Township, Changhua County 50952, Taiwan (R.O.C.)

**Taipei** | **Tel**: +886-2-2692-2000 | **Fax**: +886-2-2692-4000 11F-3., No.27, Lane 169, Kangning St. Shijr City, Taipei County 22180, Taiwan (R.O.C.)

Sales Dept. | sales@guay2.com, b2b@guay2.com Technology Dept. | support@guay2.com PR Dept. pr@guay2.com

Los Angeles | Tel : +1-626-581-0101 Fax: +1-626-581-1011 1122 Coiner Court City of Industry, CA91748 (U.S.A.) sales101@guay2.com

U.S.A.

(G2-201211-02-英





caution.

## G&GARMAMENT



- A This product is intended for users 18 years or older.
- Read all instructions before using this product.
- Adult supervision required.
- Always wear safety goggles when using this product.
- Misuse or careless handling of this product may cause injury.
- May be hazardous up to 50 meters.

You may be liable for damaging public, personal property, or for injuring a person or an animal. Always observe good manners and enjoy fun sport shooting.





When you carry the air gun, attach the safety cap, set the selector lever to the safety position, and always put the air gun in a case or bag.



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



Select a safe place for operating the air gun and avoid places where people and cars are around.



Always attach the safety cap to the muzzle, remove the battery and store the air gun in a case or bag and at a place that is out of reach of children.



# ALC Manual ADVANCED TR4 / TR15 / TR16

## Warning

#### Orange tip disclaimer

- All G&G Airsoft guns come with a permanent fixed orange tip required by law, which will grant Airsoft legal usage in the United States.
- A If you alter, modify, abuse or remove the orange tip, all warranty coverage will be void.



For more product information please visit our website

www.guay2.com



Never direct the muzzle towards a person, animal, or in any direction that may cause harm or damage to a third



Looking into the muzzle is extremely dangerous, regardless of having BB's loaded or not. If you get hit in the eye by a BB pellet, worst case scenario, you may lose your eye sight.



There may be cases where some BB's remain in the gun after the magazine has been removed. After removal of the magazine, direct the muzzle towards a safe direction and pull the trigger to confirm that there are no BB's remaining in the gun, then attach the safety





Make sure to put the barrel and safety cap onto the muzzle except when shooting. to prevent any accidents, discharge of BB's, and also for dust protection purposes. Never pull the trigger while the barrel and safety cap are attached.



Activating the trigger carelessly is extremely dangerous. Never put your finger on the trigger unless the safety cap is removed and you are ready to shoot a target



Disassembling or modifying the gun may adversely affect the performance and make it dangerous. It would also void all warrantv.

All products employ a high precision 6.04mm barrel. Using

5.95mm BB pellets is highly recommended. Damage to the

A The buyer and the user of this product shall adhere to all local

laws regulating the usage and the ownership of airsoft guns.

product due to by faulty BB pellets voids the warranty. Use with







## **G&G** WWW.Guay2.com ARMAMENT



# ALLE Manual TR4 / TR15 / TR16

## TR4 Series List

#### Contents

- 01 Warning
- 03 Contents
- 04 TR4 Series List
- 05 TR15 Series List
- 06 TR16 Series List
- 11 Blow Back Pneumatic System
- 13 TR16 Series Components
- 18 TR15 Series Components
- 19 TR4 Series Components
- 21 Selector & Safety
- 22 Installing the Battery
- 25 Sight Adjustment
- 26 Charging Handle & Hop-up Adjustment
- 27 Movable Parts
- 31 Magazine Setting
- 32 Firing
- 33 Maintenance
- 34 Troubleshooting & Disclaimer
- 35 Parts List Common
- 36 Parts List Gear Box
- 37 Parts List Mock Suppressor & Barrel
- 38 Parts List Upper Receiver & Sight
- 39 Parts List Handguard & Rail
- 41 Parts List Stock
- 42 Parts List Grip & Others







## TR15 Series List

## G&GARMAMENT



# ALL Manual TR4 / TR15 / TR16

## TR16 Series List

#### TR15 Series list

For more product information please visit our website www.guay2.com













#### TR16 Series list

For more product information please visit our website www.guay2.com













## TR16 Series List





# ALL Manual TR4 / TR15 / TR16

## TR16 Series List

### **TR16** Series list

For more product information please visit our website







## TR16 Series List

## G&GARMAMENT



# ALL Manual ADVANCED TR4 / TR15 / TR16

## TR16 Series List









### **Blow Back Pneumatic System**

True to the faith of mimicking real life firearms, G&G is proud to present its new Pneumatic Blow Back system to its line of airsoft guns. Conventional airsoft blow back utilizes tow hook springs to mimic real life bolt actions, which often lead to excess wear, tear, and poor reliability in the gear box. To alleviate the problem of conventional systems, G&G has independently developed the Pneumatic Blow Back system; a piston driven and gas operated mechanism to better mimic real life bolt actions.

This new technology utilizes compressed air to move the bolt, which enables the action without adding extra stress to the gear box.

This class leading system represents a significant milestone in the airsoft industry.





G&G awarded New blow back pneumatic system patents all over the world



#### **TAIWAN**

Patent No: M300797



#### **EUROPEAN UNION**

Patent No: 460191 814454



**JAPAN** 

Patent No: 11/488698



#### **CHINA**

Patent No: 200620122468.9



#### HONG KONG

Patent No: 06107627.0



#### **DENMARK**

Patent No: BA2007 0069



Patent No: 614422.4

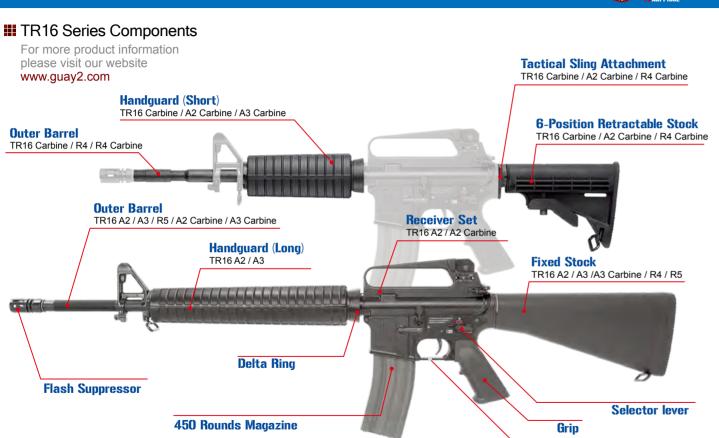


## TR16 Series Components

## G&GARMAMENT

Trigger guard







## **TR16 Series Components**



## **TR16 Series Components**

## G&GARMAMENT







## TR16 Series Components



## **TR16 Series Components**

## G&GARMAMENT



# ALL Manual ADVANCED TR4 / TR15 / TR16

## TR15 Series Components



Trigger



## **TR4 Series Components**

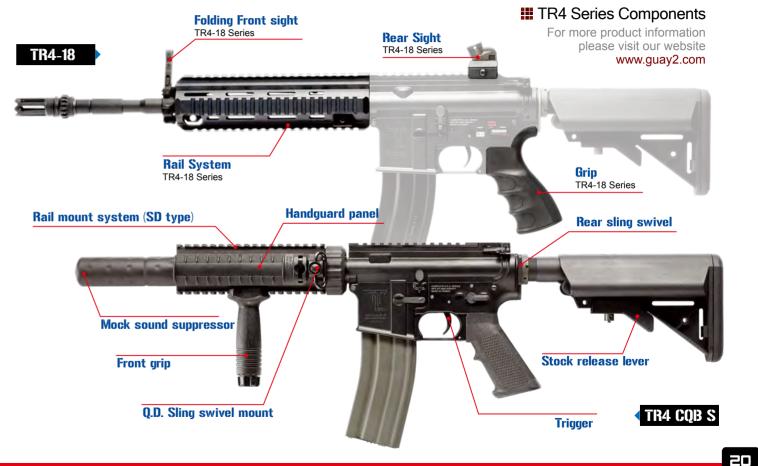
## G&GARMAMENT







## **TR4 Series Components**



## Selector & Safety

## G&GARMAMENT



# ALC Manual TR4 / TR15 / TR16

## Installing the Battery

### Selector & Safety



- Never operate the selector switch while pulling the trigger. Otherwise, malfunctions may occur.
- ▶ Pulling the trigger with the Selector being set at safe mode may damage the air gun.



Always set the safety mode setting immediately after firing.



**Safety Setting Mode** 

The trigger cannot be pulled

When the gun is in storage or not being fired, always set the selector to the Safe position and attach the protective cap on the muzzle.



Semi Mode

Single shot

The gun will fire one shot each time when pulling the trigger.



**Fully Automatic Mode** 

**Automatic firing** 

The gun will fire continuously while the trigger remains pulled.

#### **M** Warning

▶ Use only the G&G battery purchased from your local dealer.

#### Installing the Battery

#### For Fixed Stock Version







Connect the connector until you hear a 'click'. then insert the battery into the fixed stock.

#### TR16 A2 / A3 / A3 Carbine / R4 / R5



Close the battery cover.

#### For Handguard Version



Pull the delta ring and hold. Remove the lower handguard.



Set the battery beside the outer barrel. Connect the battery plug with the connector until you hear a 'click'.

#### TR4 CQB H TR16 Carbine / A2 Carbine



Hold the battery and pull the delta ring. Remove the lower handquard.

## Installing the Battery

## G&GARMAMENT



# ALL Manual TR4 / TR15 / TR16

## Installing the Battery

#### **Marning**

▶ Use only the G&G battery purchased from your local dealer.

### Installing the Battery

#### For Extended Battery Stock Version



- 1. Push the stock release lever.
- 2. Pull the stock to the last position.

TR16 CQW

TR15 Series

TR4 CQB R / TR4 CQB S



Turn and take off the battery cover.

#### 2. Full the stock to the last position.

TR16 CQW

TR15 Series

TR4 CQB R / TR4 CQB S



For Extended Battery Stock Version

Insert the battery into the stock.



1. Pull and hold the stock release lever mount.

2 Pull out the stock

Connect the battery plug into the connector until you hear a 'click'.



Reinstall the stock.

#### **Marning**

Use only the G&G battery purchased from your local dealer.

### Installing the Battery

#### For Ready Magazine Version



Pull out the connector.



Connect the battery plug with the connector until you hear a 'click'.

### TR16 R4 Carbine / CRW



Insert into upper receiver and connect firmly until you hear a 'click'.

#### For Patriot Battery Stock Version



Release the battery stock.



Connect the battery plug with the connector until you hear a 'click'.

#### TR16 CRW Cannon / CRW Viper



1. Insert the battery into the stock.

2. Lock the stock.

## Sight Adjustment

## G&GARMAMENT



# ALL Manual ADVANCED TR4 / TR15 / TR16

## Charging Handle & Hop-up Adjustment

#### **Marning**

Make sure not to lose the adjustment tool.

### Sight Adjustment

#### Front sight adjustment



For front sight up-down adjustment.

Turning clockwise: Raises the pellet hitting point.

Turning counterclockwise: Lowers the pellet hitting point.

#### Windage adjustment knob

Turning the windage adjustment dial will move the pellet hitting point to the left or right.

For left-right adjustment.

Turning clockwise:
Shifts the pellet hitting point to the right.
Turning counterclockwise:
Shifts the pellet hitting point to the left.



#### **Precision targeting**



Battle sight ( For common shooting ) Used for full automatic firing.



Battle sight ( For special shooting ) Used for precision firing.

#### **Up-down adjustment**



Turning the dial UP will raise the pellet hitting point.



Turning the dial DOWN will lower the pellet hitting point.



Raises the pellet hitting point.

#### **Marning**

▶ Be careful not to catch your fingers in the dummy bolt.

#### Open the port cover



- 1. The Charging handle can be pulled and the bolt will be fastened
- Pulling the charging handle will take the bolt back and open the port cover. This function is only for the plastic/blow back version

**:::** Charging Handle & Hop-up Adjustment

#### Hop-up adjustment



Turn the hop-up for a desired flight pattern of the BB pellet. The hop-up dial can be turned to a certain degree.

Turning it too much will damage the unit.



Never hold the gun sideways as the BB pellets will curve right or left due to the hop-up system.







# ALL Manual TR4 / TR15 / TR16

**Movable Parts** 

#### **Marning**

Only adjust if the gear noise becomes shrilly.

#### **Movable Parts**

#### **Depress the Trigger Guard**





Depress the trigger guard plunger with a proper tool and open the trigger guard.

#### **Motor Adjustment**



The motor adjustable screw is at the bottom of the grip. Use a screwdriver to adjust.

#### Forward Grip Setting



Set the forward grip on the rail.



Move the forward grip to adjust position.



Fasten the knob.

## **Installing the Carrying Handle**



Connect the detachable carrying handle with the upper receiver.



Fasten the interface knob.



Finish.

#### **Installing the Rear Sight**



Put on the detachable rear sight on the



Fasten the interface knob.



Finish.

ᄙ

**Movable Parts** 

#### **Movable Parts**

#### Q.D. Sling Swivel Setting



Put on Q.D.sling swivel mount on the rail. Fasten the screw.



Install the Q.D.sling swivel on the Q.D.sling swivel mount.



Install the Q.D. sling swivel on the sopmod tactical stock.

#### **Rail Handguard Panels Setting**



Set the forward grip on the rail.



Slide in the rail handguard panels.



Finish.

#### Removing the Handguard



Pull the delta ring.



Remove the lower handguard



Remove the upper handguard.

#### **Retractable Stock**



Push the release lever to unlock.



Pull the stock.



Adjust the position of the stock. (6 positions)

## G&GARMAMENT



# ALLE Manual TR4 / TR15 / TR16

- ▶ Make sure to set the magazine upwards. It is securely installed with you hear a 'click'.
- Confirm that the safety lever is set to Safety position and do not place your finger on the trigger.

### Magazine Setting

#### **Magazine Setting**



Open the magazine cover.



Load G&G 5.95mm BB pellets into the magazine. The magazine is capable of holding approximately 450 pellets.



After the BB pellets have been loaded, close the cover and turn the gear on the bottom until the sound changes.

#### **Magazine Setting**



Insert the magazine into the body until you hear a 'click'.

#### To Release the Magazine



Press the magazine release.



Pull the magazine out of the receiver.

#### **▲** Warning

- Select a safe place for operating the air gun.
- Never put your finger on the bolt when operating the air gun.

### Firing

#### Firina



Make sure to install the magazine upwards and into the body. It is installed properly when you hear a 'click'.



Remove the protective cap only when you are ready to fire the gun.



Set the Selector Lever to Semi or Full Auto

#### After Operation

- 1. Remove the magazine and fire at a safe direction for 2-3 seconds. Push the forward assist knob to release. the spring and have the selector set into safety mode. Make sure that the barrel is empty.
- 2. Always disconnect the battery and attach the protective cap whenever you do not operate the air gun.



#### **Cautions On Motor & Battery**

- 1. Charge the battery if the firing cycle becomes slow.
- 2. Stop using the air gun for 5-10 minutes after firing around 500 rounds in order to ensure a longer life of the motor and battery.

## G&GARMAMENT



# ALL Manual TR4 / TR15 / TR16

#### **III** Maintenance



#### **Marning**

- Make sure no dirt gets into the chamber to avoid clogging of pellets.
- Hop-up may be unstable for 200 to 300 rounds after using silicone oil. This is the normal operation of the gun.
- Never use CRC-556, WD40, or other corrosive lubricants.

#### **Maintenance When Pellet Speed Becomes Low**



#### **▲** Warning

- Do not jam the cleaning rod into the barrel by force.
- Should the BB's remains inside the barrel, point the gun towards a safe direction and discharge any loosened BB's in semi-automatic mode.

#### **Removing Clogged Pellets**



#### **III** Troubleshooting

SYMPTOM	POTENTIAL	CORRECTIVE
No operation at all	Selector lever is set to safety.	Set the selector lever to Semi or Full Auto.
	Battery is not charged.	Charge the battery.
	Battery connector is disconnected.	Connect the connector.
	The ⊕and ⊕of battery connector is reversed.	Switch the batteries to the correct position.
	Expired motor life (50,000 to 60,000 rounds) or poor electrical connection.	Replace the dead motor (can be purchased from local dealer or directly from G&G). Check and repair the contacts.
Although motor is revolving, no pellet can be fired	Pellets are clogged inside the magazine.	Insert the charging rod into the magazine and move up and down a few times to remove clogged pellets.
	Pellets are clogged in the chamber.	Remove clogged pellets using the cleaning rod.
	Faulty gear.	Purchase the replacement gear from your dealer or G&G and repair.
Impossible full-auto operation(automatic firing)	Insufficient battery power.	Charge the battery.
	Faulty pellet feed of magazine.	Repair clogging of the magazine.
	Poor electrical connection.	Consult your dealer or G&G for overhaul maintenance or repair.
	Damaged or worn chamber set.	Replace the replacement parts (purchase from your dealer or G&G)
	Damaged or worn piston set (O-ring,piston spring)	
Shooting distance becomes	Something is jammed in the inner barrel	Use the cleaning rod and clean the inner barrel.
shorter	Faulty BB pellets (too small or heavy)	Use the genuine G&G Pellets.
	Shortage of silicone oil	Place a few drops of silicone oil onto the upper chamber.
	Gear problem caused by too many blank firing	
Too loud operating noise	Worn or damaged gear	Consult your dealer or G&G for overhaul maintenance, part replacement (gear,etc.) or repair.
	Gear problem caused by too many blank firing	
Pellets being fallen out from barrel end	Damaged or worn chamber set.	(gear,etc.) or repair.
	No hop setting.	Turn the hop adjustment lever toward Hop.
	Faulty BB Pellets (too small or heavy)	Use the G&G Pellets.
If gun gets wet	Stop operation immediately, disconnect the battery, wipe off water from inside the main body and the battery. After the gun is completely dry, carry out trial firing. If the unit is not operational, please contact your local dealer for repair.	

#### **III** Disclaimer

- Accessories pictured are not always included with product.
- Adult supervision required for users under 18 years of age.
- The purchaser and user should conform to all laws governing the ownership of airsoft guns.
- All products in this manual are imitation firearms and are not intended nor represented to be comparable in design, appearance, or function to any actural firearm offered by other manufacturers.
- Product names are trademarks of G&G, which has no affiliation to, and is not associated, or sponsored by any manufacturer of actual or imitation firearms. Products may vary form those pictured.

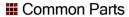
Parts List - Common

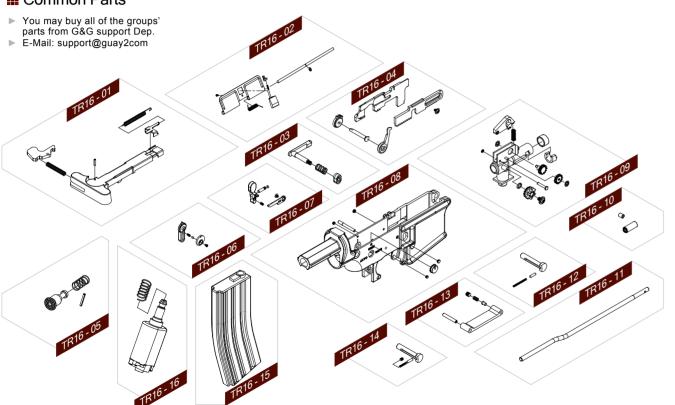


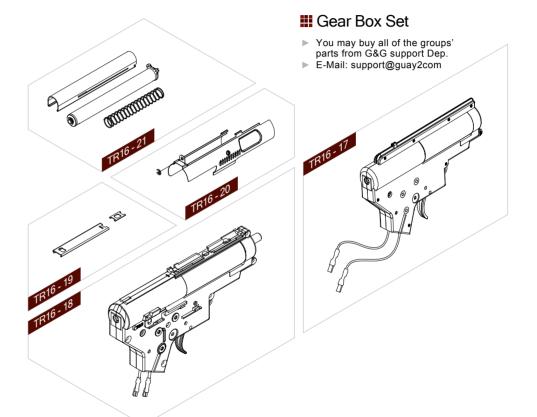




## Parts List - Gear Box







TR16-01	Charging Handle	
TR16-02	Port Cover Set	
TR16-03	Magazine Catch Set	
TR16-04	Selector Plate	
TR16-05	Assist Knob Set	
TR16-06	Selector Lever Set	
TR16-07	Bolt Catch Set	
TR16-08	Lower Receiver Set	
TR16-09	Hop-Up Set	
TR16-10	Hop-Up Rubber Set	
TR16-11	Piston Rod	
TR16-12	Front Frame Lock Pin Set	
TR16-13	Trigger Guard Set	
TR16-14	Rear Frame Lock Pin Set	
TR16-15	Magazine	
TR16-16	Motor Set	
Common Par	rts for TR16 / TR15 / TR4	
TR16-17	Gear Box Set	
Non-Blowbac	ck for TR16 A2 / A2 Carbine	
TR16-18	Blowback Gear Box Set	
TR16-19	Charging Upper Cover	
TR16-20	Charging Plate	
TR16-21	Blowback Piston Set	

Blowback for TR16 / TR15 / TR4

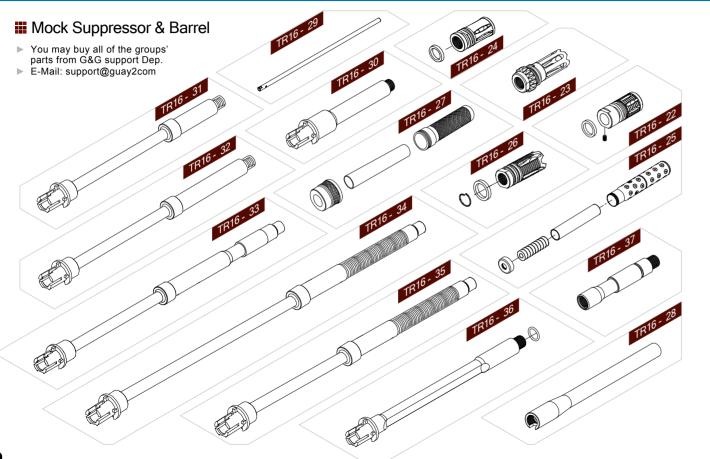
## Parts List -Mock Suppressor & Barrel

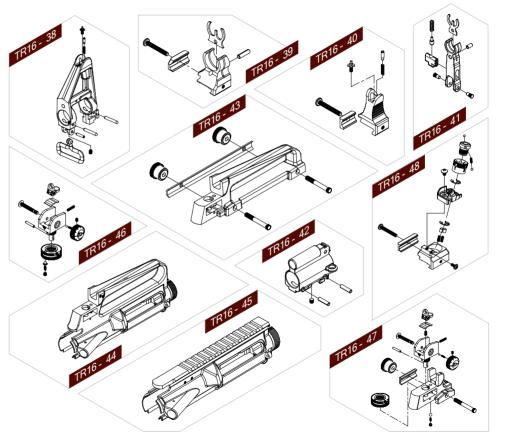
## G&GARMAMENT



# ARG Manual TR4 / TR15 / TR16

## Parts List -Upper Receiver & Sight





### ■ Upper Receiver & Sight

- You may buy all of the groups' parts from G&G support Dep.
- ► E-Mail: support@guay2com

TR16-22 Mock Suppressor

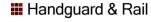
TR16-23	Mock Suppressor (CRW / CQW / TR4-18)
TR16-24	Mock Suppressor (TR4-18 Light)
TR16-25	Mock Suppressor (CQB-S)
TR16-26	Mock Suppressor (CQB-R/H)
TR16-27	Mock Suppressor (CRW Cannon)
TR16-28	Mock Suppressor (CRW Viper)
TR16-29	Inner Barrel (Different Lengths)
TR16-30	Outer Barrel (CRW / CQW / CRW Cannon)
TR16-31	Outer Barrel (Carbine Light / CQB-R/H / Raider)
TR16-32	Outer Barrel (Ranger)
TR16-33	Outer Barrel
TR16-34	Outer Barrel (A2 / A3 / R5)
TR16-35	Outer Barrel (A2 Carbine / A3 Carbine)
TR16-36	Outer Barrel (TR4-18 Series)
TR16-37	Outer Barrel Extender (TR4-18)
TR16-38	Front Sight
TR16-39	Front Sight (CRW / Viper / Canoon / TR4-18 Light)
TR16-40	Front Sight (CQW)
TR16-41	Front Sight (TR4-18)
TR16-42	Front Sight Mount (TR4-18 Series)
TR16-43	Detachable Carrying Handle
TR16-44	Upper Receiver (A2 / A2 Carbine)
TR16-45	Upper Receiver
TR16-46	Rear Sight (with TR16-38,39)
TR16-47	Rear Sight
TR16-48	Rear Sight (CRW Viper / Cannon)



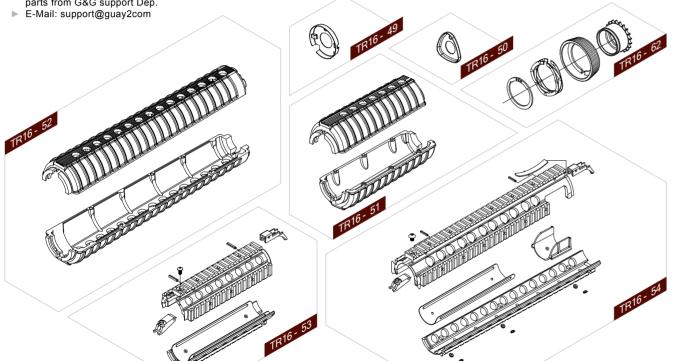


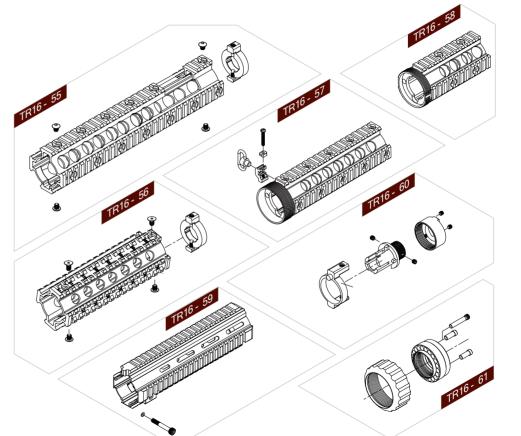


## Parts List -Handguard & Rail









### **III** Handguard & Rail

- You may buy all of the groups' parts from G&G support Dep.E-Mail: support@guay2com

TR16-49	Handguard Front Fixed Ring
TR16-50	Handguard Front Fixed Ring (TR16 A2 / A3)
TR16-51	Handguard
TR16-52	Handguard (TR16 A2 / A3)
TR16-53	Rail System Set (TR16 R4 / R4 Carbine / TR4 CQB-R)
TR16-54	Rail System Set (TR16 R5)
TR16-55	Rail System Set (Raider-XL)
TR16-56	Rail System Set
TR16-57	Rail System Set (TR4 CQB-S)
TR16-58	Rail System Set (CQW / CRW / Viper / Cannon)
TR16-59	Rail System Set (TR4-18 Series)
TR16-60	Rail System Rear Fixed Set (with No. TR16-50, 51)
TR16-61	Delta Ring (with No. TR16-52,53)
TR16-62	Delta Ring

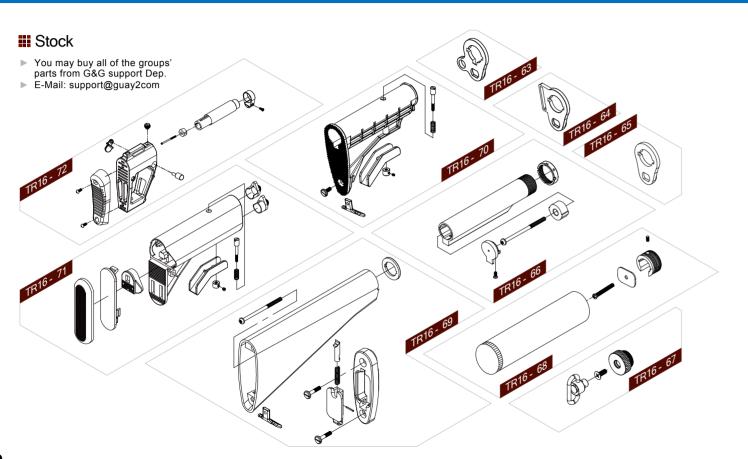
Parts List - Stock

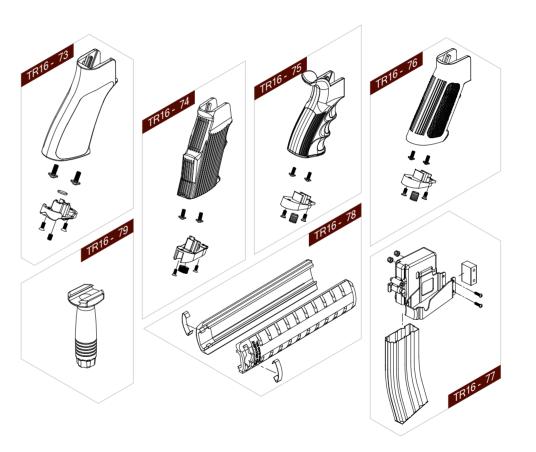
## G&GARMAMENT





### Parts List -Grip & Others





### 

- You may buy all of the groups' parts from G&G support Dep.
- ► E-Mail: support@guay2com

TR16-63	Sling Attachment (CRW Viper / Cannon / Raider / Raider-L/XL)	
TR16-64	Sling Attachment	
TR16-65	Stock Washer (CRW)	
TR16-66	Buffer Tube Set (with No. TR16-64, 65)	
TR16-67	Rear Q.D. Sling Swivel Set (CRW)	
TR16-68	Patriot Battery Stock Set (CRW Viper / Cannon)	
TR16-69	Fixed Stock Set	
TR16-70	Retractable Stock Set	
TR16-71	Extended Battery Stock Set	
TR16-72	Sopmod Tactical Stock Set (CQB-H)	
TR16-73	Grip Set (Raider / Raider-L)	
TR16-74	Grip Set (CQW)	
TR16-75	Grip Set (CRW / Viper / Cannon / Raider-XL / TR4-18)	
TR16-76	Grip Set	
TR16-77	Ready Magazine Set (CRW / R4 Carbine)	
TR16-78	Handguard Panel Set (R5 / CQB-S/R)	

Forward Grip (R4 / R4 Carbine / R4 Commando / R5 / CQB-S/R)



2. Remove the lower handguard.

Loading BB Pellets



#### Movable Parts - Stock





- 1.Pull the release lever to adjust the position of the stock. (6 positions)

  2.Pull the locking lever until it click into place to secure the position of the stock.

#### Extra Storage Space



#### Press the button then pull out

#### Rear Sight Adjustment





1.Press down the button to fold the rear sight. 2.Loosen the hex screw before removing the rear sight. Pull the charging handle so the rear sight can be removed.

#### Front Sight Adjustment



Turn the knob counterclockwise to remove the front sight.

Connect the battery with the connector until you hear a 'click', then reinstall the lower handguard.

G&GARMAMENT



ARC Manual TR4 / TR15 / TR16

**Parts List** 

TR4 MOD O ADDITIONAL INSTRUCTION MANUAL You may buy all of the groups' parts from G&G support Dep. ► E-Mail: support@guay2com

TR4 MOD0 - 02 Lower Handguard Set

TR4 MOD0 - 03 Upper Handquard Set

TR4 MOD0 - 04 Outer Barrel Set

TR4 MOD0 - 01 Flash Suppressor

TR4 MOD0 - 05 Hop Up Set

TR4 MOD0 - 06 Delta Ring

R4 MOD0 - 07 Inner Barrel

TR4 MOD0 - 08 Upper Receiver Set TR4 MOD0 - 09 Charging Handle Set

TR4 MOD0 - 10 Port Cover Set

TR4 MOD0 - 11 Front Frame Lock Pin Set

TR4 MOD0 - 12 Bolt Catch Set

TR4 MOD0 - 13 Selector Lever Set

TR4 MOD0 - 14 Magazine Catch Set

TR4 MOD0 - 15 Sling Swivel Mount

TR4 MOD0 - 16 Stock Tube

TR4 MOD0 - 17 Magazine

TR4 MOD0 - 18 Lower Receiver Set

TR4 MOD0 - 19 Trigger Guard Set

TR4 MOD0 - 20 Selector Plate

TR4 MOD0 - 21 Rear Frame Lock Pin Set

TR4 MOD0 - 22 Grip Set

TR4 MOD0 - 23 Motor

TR4 MQD0 - 24 Grip Bottom Set

TR4 MOD0 - 25 GOS-V2 Stock Set

TR4 MOD0 - 26 Gear Box Set

TR4 MOD0 - 27 Detachable Front Sight Set

TR4 MOD0 - 28 Blow Back Pneumatic Piston Set

TR4 MOD0 - 29 Charging Plate Set

TR4 MOD0 - 30 Charging Upper Cover Set

TR4 MOD0 - 31 Right Selector Cap

TR4 MOD0 - 32 Wire

TR4 MOD0 - 33 Rear Sight

TR4 MOD0 - 34 Handquard Retainer

TR4 MOD0 - 35 Imitation Gas Tube