Rifles G36 V, G36 KV

5.56 mm x 45 NATO

Maintenance Manual





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Maintenance Manual

Never handle the weapon for maintenance or repair before you have read and understood the operator's and the maintenance instructions!

PRELIMINARY NOTES

- 1. The Automatic Rifle G36 V and the G36 KV have been combined in a single maintenance manual on the basis of their great similarity of design. The corresponding works will be described for the Automatic Rifle G36 V and differences will only be discussed in the corresponding chapters.
- 2. Chapters 3 Troop repair and 4(F) Field repair have been combined in a single text. In Chapter 6, a reference will be found to the corresponding maintenance echelon.
- 3. Illustration and identification numbers will appear in brackets in the text. Example: (1/3) means Figure 1, Item 3.
- 4. The designations "right", "left", "front", "rear", etc. appearing in the text always refer to the direction of fire.
- 5. Each work is in general only described once. Should it reappear, reference would be made to processes already described elsewhere.
- Installation and assembly of the various subassemblies and components will only be described in this manual if it cannot be carried out in the reverse order of removal/disassembly. Assembly instructions will be given.
- 7. Technical service regulations and accident prevention guidelines given on the corresponding page are to be taken into account.
- 8. Important instructions affecting the technical safety and accident prevention guidelines will be marked especially as CAUTION, ATTENTION and INSTRUCTION.
 - **CAUTION**Will appear with services or works to be carried out carefully to preclude any risks to persons. These measures also include notes on the special dangers involved in

handling firearms.

ATTENTION Will appear with services or works to be carried out carefully to preclude any damages to or destruction of weapons. This will also cover works to be carried out regulary, or works to be carried out after the weapons have been subjected to harsh treatment or have been used under special service or weather conditions.

INSTRUCTION Refers to special technical requirements to be fulfilled by the user of the weapon.

TABLE OF CONTENTS

1	Description	. 1-1
1.1	General Data	. 1-2
1.1.1	Designation	
1.1.2	Intended use	
1.1.3	Graphical representation	
1.1.4	Overview of subassemblies	
1.2	Structure	
2	Use and Preservation	. 2-1
2.1	Operating instructions	
2.1.1	Check when receiving the weapon	
2.1.2	Check before use	
2.1.2.1	General	
2.1.2.1	Check of functioning	
2.1.2.2	Check of the Safety	
2.1.2.3	Handling and use	
2.1.3.1	Unfolding and folding up buttstock	
2.1.3.2	Mounting and removal of bayonet	
2.1.3.3	Preparation for firing	
2.1.3.4	Loading	
2.1.3.5	Firing	
2.1.3.6	Unloading	
2.1.3.7	Reloading when the magazine is empty	
2.1.3.8	Uncocking	
2.1.3.9	Filling and emptying of magazines	
	Coupling of Magazines	
	Firing with practice equipment	
2.1.4	Handling and use under special climatic conditions or other conditions	
2.1.4.1	General	
2.1.4.2	Firing with the Blank firing attachment	
2.2	PRESERVATION: PERIODIC WORKS. TABLE OF PERIODIC	. 2-12
	WORKS UP TO MAINTENANCE ECHELON 2	2-13
2.2.1	General	
2.2.1.1	Preserving products and equipment	. 2-13
2.2.1.2	Description of periodic maintenance works	
2.2.2	Flow Plan	
2.2.3	Table of periodic inspections	2-17
2.2.4	Disassembly and reassembly	2-17
2.2.4.1	General	
2.2.4.2	Disassembly of G36 V	
2.2.4.3	Disassembly of Bolt Assembly	
2.2.4.4	Disassembly and reassembly of magazine	
2.3	Stoppages and breakdowns, their cause and elmination	2-21
2.4	PRESERVATION AND PACKAGING, STORAGE	2-23
2.5	TECHNICAL SAFETY AND ACCIDENT PREVENTION GUIDELINES	

3	Repairs	. 3-1
3.1	General Data	
3.1.1	Special tools, measuring and testing units up to MAINTENENCE ECHELON 3	3-2
3.1.2	Setting data and tolerances up to MAINTENANCE ECHELON 3	3-4
3.1.3	Consumable maintenance material	3-4
3.1.4	Barrel Locking inspection tools	3-4
3.1.5	Carrying handle inspection tools	3-4
3.2	REPAIR, PERIODIC AND SETTING WORKS (MAINTENANCE ECHELON 2),	
·	WORKS, PERIODIC AND SETTING WORKS OF REPAIR WORKS,	
	MAINTENANCE ECHELON 3	. 3-5
3.2.1	General	3-5
3.2.2	Works on the Automatic Rifle G36 V complete	
3.2.2.1	Check of the loading and unloading process	3-5
3.2.2.2	Check of gap between bolt head/bolt head carrier	
3.2.2.3	Check of the trigger pull	3-7
3.2.3	Works on the receiver with barrel and attachment parts	3-8
3.2.3.1	Check of barrel wear	3-8
3.2.3.2	Check of barrel locking	3-8
3.2.3.3	Replacement of Circlip	3-9
3.2.3.4	Replacement of push rod, complete	3-9
3.2.3.5	Check and/or replacement of gas piston, compl	3-9
3.2.3.6	Replacement of magazine catch and/or leaf spring	. 3-10
3.2.4	Works on the Bolt Assembly	. 3-11
3.2.4.1	Check of firing pin protrusion	. 3-11
3.2.4.2	Replacement of the Bolt Assembly	. 3-11
3.2.4.3	Replacement of firing pin	. 3-12
3.2.4.4	Replacement of bolt head, compl	. 3-12
3.2.4.5	Replacement of ejector and/or ejector spring	. 3-13
3.2.4.6	Replacement of extractor and/or extractor spring	
3.2.5	Works on pistol grip, complete	. 3-15
3.2.5.1	Replacement of cover, complete	. 3-15
3.2.5.2	Replacement of catch	
3.2.5.3	Replacement of hammer and/or of hammer springs	. 3-16
3.2.5.4	Replacement of safety lever and safety lever axle	
3.2.5.5	Replacement of slide	. 3-17
3.2.5.6	Replacement of catch and/or compression spring	. 3-18
3.2.5.7	Replacement of catch disc	
3.2.5.8	Replacement of sear and/or compression spring	
3.2.5.9	Replacement of trigger and/or trigger springs	
	Replacement of catch	
3.2.6	Works on the complete buttstock	
3.2.6.1	Replacement of pin and/or compression spring	
3.2.6.2	Replacement of buttstock complete	
3.2.7	Works on the handguard complete	
3.2.7.1	Replacement of the leaf spring	
3.2.8	Works on the carrying handle with optical sight	
3.2.8.1	Replacement of carrying handle with optical sight	
3.2.8.2	Replacement of cover	
3.2.8.3	Rerplacement of the optical sight	
3.2.8.4	Inspection of the proper locking of the carrying handle	. 3-25

3.3	Tests	3-26
3.3.1	Tests after repair	3-26
3.4	Works in case of temporary storage of up to 12 months	3-26
3.5	List of maintenance echelons for the material	3-27
3.5.1	General	3-27
3.5.2	Items of work, material Maintenance Echelons	
3.6	Setting	3-31
3.6.1	Accuracy firing	
3.6.2	Sight setting	
3.6.2.1	General	3-31
3.6.2.2	Setting of the optical sight	3-32

1	Description

1.1 General Data

1.1.1 Designation

Designation: Rifle G36 V, cal. 5.56 mm x 45 Designation: Rifle G36 KV, cal. 5.56 mm x 45

1.1.2 Intended use

The Automatic Rifle G36 V is an automatic small arm for semiautomatic or fully automatic fire from all firing positions.

1.1.3 Graphical representation



Fig. 1 G36 V, shown from the left, buttstock unfolded



Fig. 2 G36 V, shown from the right, buttstock unfolded



Fig. 3 G36 V, shown from the right, buttstock folded up



Fig. 5 G36 KV, shown from the right, buttstock unfolded

1.1.4 Overview of subassemblies

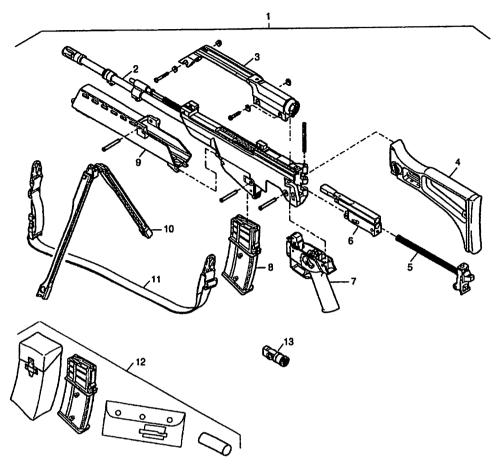


Fig. 6 Overview of subassemblies

The Automatic Rifle G36 V consists of the following subassemblies:

- 1 Automatic Rifle G36 V, Automatic Rifle G36 KV
- 2 Receiver with barrel and attachment components
- 3 Carrying handle with optical sight
- 4 Buttstock, compl.
- 5 Backplate with recoil spring
- 6 Bolt assembly
- 7 Pistol grip, compl.
- 8 Magazine
- 9 Handguard, compl.
- 10 Bipod
- 11 Carrying sling
- 12 Accessories and equipment
- 13 Blank firing attachment

1.2 Structure

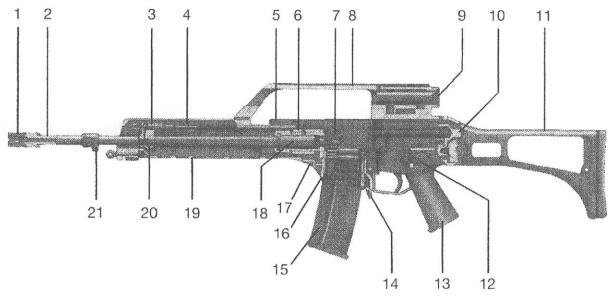


Fig. 7 Sectional view of G36 V

- 1 Flash hider
- 2 Barrel
- 3 Gas piston
- 4 Push rod
- 5 Cocking lever
- 6 Barrel extension
- 7 Bolt assembly
- 8 Carrying handle
- 9 Optical sight
- 10 Backplate with recoil spring
- 11 Buttstock

- 12 Selector lever
- 13 Pistol grip
- 14 Magazine catch
- 15 Magazine
- 16 Magazine well
- 17 Receiver
- 18 Chamber
- 19 Handquard
- 20 Gas block
- 21 Rifle grenade guide with bayonet mount

The G36 V is an automatic weapon with rotating bolt head (7/7). The receiver (7/17), the pistol grip (7/13), the folding buttstock and the handguard (7/19) consist of composite materials. The magazine (7/15) consist of plastics and has a capacity of 30 cartridges. The selector lever (7/12) and the cocking lever (7/5) are ambidextrous.

The optical sight (7/9) is integrated into the carrying handle (7/8). The carrying handle is dovetailed into the receiver and screwed to it. After replacing the carrying handle, various other optical sights with different magnifications or night sighting units may be used.

A bayonet can be mounted onto the flash hider/rifle grenade guide (7/21). The blank firing attachment allows firing of practice ammunition. It will be screwed onto the barrel (7/2).

The G36 V can be disassembled to the extent necessary for cleaning and preservation without the use of tools.

The G36 KV is the short version of the G36 V.

		•
2	Use and Preservation	

2.1 Operating instructions

2.1.1 Check when receiving the weapon

When receiving the G36 V from the stocks, from repair service or from another unit, an acceptance test has to be carried out.

The following has to be checked:

- Integrity and completeness of weapon and subassemblies
- The condition and smooth running of all subasemblies and accessories, as well as:
- the availability of a sighting-in target.

With all checks, the safety guidelines are to be taken into account.

A list of missing items is to be elaborated for all items missing. If no sighting-in target is available, a group is to be fired immediately.

Preserving agents have to be removed correctly.

2.1.2 Check before use

2.1.2.1 General

Before use in case of stoppages and before cleaning, the following has to be checked:

- That the G36 V is on "Safe" and is unloaded (cartridge chamber clear).
- That the barrel is free of foreign bodies and
- that the magazine is empty.

2.1.2.2 Check of functioning

(1) Bolt assembly/bolt catch

- ⇒ Remove magazine.
- ⇒ With the cocking lever, withdraw the bolt as far as it will go, then release it.

Once the cocking lever has been released, the bolt has to return to its forwardmost position (lock) under the force of the recoil spring.

- ⇒ Insert an empty magazine
- ⇒ With the cocking lever, withdraw the bolt as far as it will go, then release it.

The bolt has to be kept in the open position.

- ⇒ Remove the magazine.
- ⇒ Withdraw the bolt somewhat, using the cocking lever.

After the cocking lever has been released, the bolt has to be returned to its forwardmost position (lock) by the recoil spring.

⇒ With the cocking lever, withdraw the bolt as far as it will go, then push the bolt catch upwards.

After the cocking lever has been released, the bolt has to be kept in the open position.

- ⇒ With the cocking lever, withdraw the bolt somewhat, then release it.
- ⇒ Uncock the G36 V as indicated in chapter 2.1.3.8.

(2) Loading process

CAUTION

Blanks will be ejected towards the side.

- ⇒ Load magazine with 2 blanks and insert magazine into the weapon.
- ⇒ With the cocking lever, withdraw the bolt as far as it will go, then release it.

The first blank cartridge has to be fed flawlessly and the bolt has to lock.

⇒ Repeat the cocking process.

The first blank cartridge has to be extracted and ejected and the second blank cartridge has to be fed.

⇒ Repeat the cocking process

Also the second blank cartridge has to be extracted and ejected. The bolt has to be kept in the open position.

- ⇒ Remove magazine
- ⇒ With the cocking lever, withdraw the bolt somewhat, then release it.
- ⇒ Uncock the G36 V as indicated in chapter 2.1.3.8.

(3) Selector lever

⇒ Set the selector lever to the "E" and then to the "F" setting.

The selector lever has to rotate freely and engage audibly in both settings.

- ⇒ Set the selector lever to the "S" setting.
- ⇒ Pull trigger.

It must be impossible to pull the trigger.

(4) Trigger Mechanism

- ⇒ Remove the magazine
- ⇒ With the cocking lever, withdraw the bolt somewhat, then release it.
- ⇒ Set the selector lever to the "E" setting.
- ⇒ Pull trigger.

The hammer has to snap forwards audibly.

- ⇒ Set the selector lever to the "F" setting.
- ⇒ With the cocking lever, withdraw the bolt as far as it will go, then release it.
- ⇒ Pull trigger and hold it in the rearmost position.

The hammer has to snap forwards audibly.

⇒ Holding back the trigger, with the cocking lever withdraw the bolt as far as it will go, then release it.

The hammer has to snap forwards.

⇒ To carry out this check, the trigger has to be released and pulled newly.

No noise must be heard.

⇒ Set the G36 V on "Safe"

(5) Magazine

- ⇒ The empty magazine has to be capable of being inserted and removed without hanging up. In doing so, check the functioning of the magazine catch.
- ⇒ The magazine follower has to be capable of being depressed freely by hand, or using a piece of wood inserted into the magazine housing, and has to return upwards freely under the power of the follower spring.
- ⇒ The magazine lips have to retain the cartridge safely.

2.1.2.3 Check of the Safety

- ⇒ Set the G36 V on "Safe".
- ⇒ Remove the magazine.
- ⇒ With the cocking lever, withdraw the bolt as far as it will go.
- ⇒ Push bolt catch upwards. The bolt will be held back in the open position.
- ⇒ Check to see that the cartridge chamber is empty.
- \Rightarrow With the cocking lever, withdraw the bolt somewhat to release the bolt catch, then allow the bolt to return forwards.
- ⇒ Uncock the G36 V as indicated in chapter 2.1.3.8.

2.1.3 Handling and use

2.1.3.1 Unfolding and folding up buttstock

The buttstock may be folded for transport. This will reduce the weapon's length by approx. 24 cm.

In order to shoot, the buttstock has to be unfolded again.

(1) Folding up

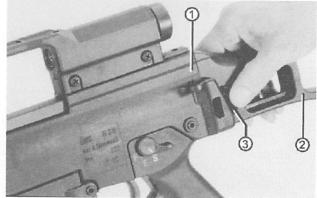


Fig. 8 Folding buttstock

- ⇒ Push lock (3) inwards.
- ⇒ Fold up buttstock (2) to the right along the receiver.
- ⇒ Engage it on the cartridge case deflector (2).

(2) Unfolding

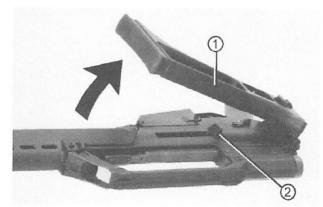


Fig. 9 Unfolding buttstock

- ⇒ Slightly lift buttstock (1) and draw it off the catch on the cartridge case deflector (2).
- \Rightarrow Swivel buttstock to the rear until the catch engages (Fig. 8/3).

2.1.3.2 Mounting and removal of bayonet

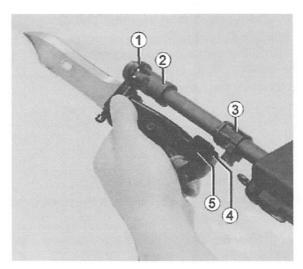


Fig. 10 Mounting of bayonet

(1) Mounting

- \Rightarrow Mount bayonet sliding the guide ring (1) over the flash hider (2).
- ⇒ Engage catch on bayonet grip into bayonet mount guide.

(2) Removal

- ⇒ Press locking bolt (5) from right to left as far as it will go.
- \Rightarrow Slide off bayonet forwards and remove it.

2.1.3.3 Preparation for firing

Before loading and firing:

- \Rightarrow De-oil barrel with a clean pull-through and make sure it is free of foreign bodies.
- ⇒ Carry out a check of functioning acc. to Chapter 2.1.2.2.
- ⇒ Carry out a safety check acc. to Chapter 2.1.2.3.
- ⇒ Check to see that the flash hider and magazine seat properly.

2.1.3.4 Loading



Fig. 11 Insert Magazine

- ⇒ Put the G36 V on "SAFE".
- ⇒ Insert full magazine into the magazine well until the magazine catch engages (Fig. 11). The G36 V is now partially loaded and with the safety "on".
- ⇒ Swing out cocking lever to the right or left.
- ⇒ Fully retract bolt with the cocking lever and let it snap forwards again.

The G36 V is now fully loaded and with the safety "on".

Bolt Closing Device

If the bolt does not fully lock when the cocking lever is released, it may be locked using the bolt closing device.

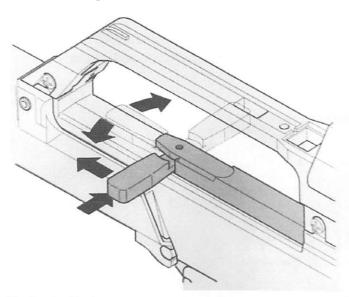


Fig. 12 Cocking lever swung outwards

In order to do so:

- ⇒ Swing out cocking lever to the left (or to the right).
- ⇒ Push cocking lever inwards until it engages (Fig. 12).
- ⇒ Push swung-out cocking lever forwards until the bolt is in its forwardmost position. (Locked).
- ⇒ Pull cocking lever outwards and let it return to the starting position (into the direction of fire).

CAUTION

Do not fire with the cocking lever swung outwards!

2.1.3.5 Firing





Fig. 13 Semi-automatic

Fig. 14 Full-automatic

State: G36 V fully loaded, cocked and with the safety "on".

- ⇒ Take the safety off the G36 V and set it to the required type of fire.
- ⇒ Pull the trigger.

In the "E" setting (Semi-automatic) (Fig. 13), further shots may be fired by merely pulling the trigger. In the "F" setting, (Full-automatic) (Fig. 14) the G36 V will keep on firing as long as the trigger is pulled.

CAUTION The G36 V has to be set on "Safe" on each interruption and cessation of fire!

2.1.3.6 Unloading

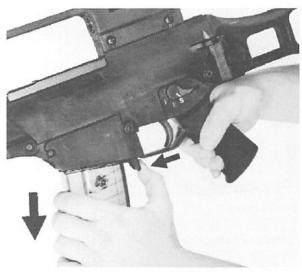


Fig. 15 Remove the magazine

- ⇒ Set selector lever to "S"
- ⇒ Push magazine catch forwards and remove magazine (Fig. 15).
- ⇒ Pull back bolt using the cocking lever and check that the cartridge chamber is empty.
- ⇒ Let go cocking lever and let bolt run forwards (lock)
- ⇒ Uncock the G36 V as shown in Chapter 2.1.3.8.

The G36 V is unloaded, uncocked and with the safety "ON".

2.1.3.7 Reloading when the magazine is empty



Fig. 16 Bolt in rear position

After the last shot has been fired, the catch holds the bolt in the open position (Fig. 16).

In order to load:

- ⇒ Set selector lever on "S".
- ⇒ Push magazine catch forwards and remove empty magazine (Fig. 15).
- ⇒ Introduce full magazine into magazine well until the magazine catch engages.
- ⇒ Using the cocking lever, withdraw bolt slightly and release it.

The bolt is released, it snaps forward and locks under the power of the recoil spring.

The G36 V Rifle is fully loaded and with the safety "On".

- ⇒ Take the safety "off".
- ⇒ Continue firing.

2.1.3.8 Uncocking

Once the rifle is loaded or after a shot has been fired, the hammer remains in the cocked position. In order to uncock:

- ⇒ Unload the G36 V as indicated in Chapter 2.1.3.6
- ⇒ Set safety to the "E" setting.
- ⇒ Pull trigger.
- ⇒ Set safety to the "S" setting.

2.1.3.9 Filling and emptying of magazines

(1) Filling

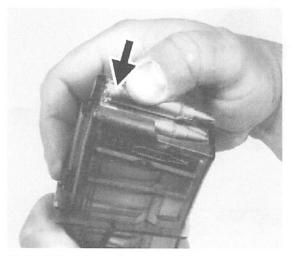


Fig. 17 Filling of magazine

- ⇒ Hold magazine in one hand.
- ⇒ Introduce cartridges one by one under the magazine lips.

Attention

Do not f fill in more than 30 cartridges (See mark)

Defective, buckled or corroded cartridges must not be filled into the magazine. Cartridges or magazines that have dropped to the ground have to be cleaned carefully. In order to clean the magazine, the cartridges have to be unloaded first.

(2) Emptying

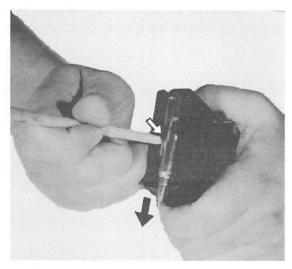


Fig. 18 Emptying of magazine

- ⇒ Hold magazine in one hand so that the tips of the bullets point towards the bottom.
- ⇒ With a piece of wood, press down the second cartridge in the magazine. The uppermost cartridge will then drop out on its own.
- ⇒ Pick up cartridges that have dropped to the ground.

2.1.3.10 Coupling of Magazines

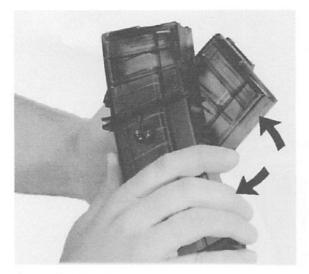


Fig. 19 Coupling of magazines

- ⇒ Introduce the upper coupling studs of the first magazine into the upper lugs of the second magazine (Fig. 19).
- ⇒ Rotate magazines so that the lower coupling stud engages into the lower lug.

2.1.3.11 Firing with practice equipment

- ⇒ Set the G36 V Rifle on "Safe".
- ⇒ Unscrew the flash hider.
- ⇒ Screw on blank firing attachment tightly.
- ⇒ Fill magazine with practice cartridges and insert it into weapon until the magazine catch engages.
- ⇒ Retract bolt with cocking lever as far as it will go, then let it snap forward.
- ⇒ With the thumb of the shooting hand, take the G36 V safety off and select the type of fire desired.
- ⇒ Pull the trigger.

CAUTION

The G36 V always has to be set on "Safe" on each interruption and cessation of fire.

In order to regulate the gas flow, the G36 V has to be unloaded according to the stipulations of Chapter 2.1.3.6.

Turn nozzle bolt using a coin or tool:

- ⇒ Position Screw slot perpendicular to the direction of fire = "Minimum gas flow".
- ⇒ Position Screw slot in line with the direction of fire = "Maximum gas flow".
- ⇒ 45°-Position = Normal position.

By rotating the nozzle bolt, not only the functioning of the G36 V is regulated, but also the ejection distance of the blank cartridges.

The nozzle bolt has an optimum setting when the bolt runs to its final position and the empty case is ejected without any problems.

⇒ After each firing, the blank firing attachment has to be cleaned in order to eliminate powder residues and ensure the smooth running of the nozzle bolt.

When the nozzle bolt cannot be regulated any longer (burnt-in powder residues), the blank firing attachment has to be repaired.

Note

The "Safety Blank Firing Attachment" also available does not require any settings.

2.1.4 Handling and use under special climatic conditions or other conditions

2.1.4.1 General

High air temperature and high air humidity as well as cold down to approx. -25 °C do not require any special measures.

At temperatures below -25 °C the moving components should be oiled with special antifreezing oil 0-157 (MIL-L-14107).

It must, however, be avoided to take the G36 V from the cold into the heat and shortly afterwards into the cold again, as frozen condensate water would impair the service-ability of the weapon.

Above all, the serviceability of the extractor and ejector would be impaired. **As a precaution,** those components thus have to be greased with antifreezing oil 0-157.

Also in case of great heat and a high dust concentration, the G36 V guideways are always to be oiled with lubricant S-761 or 0-158 (MIL-L-46000).

2.1.4.2 Firing with the Blank firing attachment

If under special climatic conditions (especially subzero temperatures, snow, military exercises in high snow) stoppages occur with a hissing sound of the blank cartridge fired, firing is to be discontinued immediately in order to avoid additional powder accumulations in the barrel.

Firing may be continued after the barrel has been cleaned with a pull-through and cleaning rod (removal of moist powder residues).

2.2 PRESERVATION; PERIODIC WORKS, TABLE OF PERIODIC WORKS UP TO MAINTENANCE ECHELON 2

2.2.1 General

The correct treatment and care of the G36 V with accessories

- · Ensures one's readiness to fire.
- · Avoids premature wear.
- · Prevents accidents and
- Saves repair charges and time.

2.2.1.1 Preserving products and equipment

The following are to be used for cleaning and care of the G36 V:

- Weapons cleaning kit cal. 5.6 mm
- · Clean pull-throughs and cleaning rods
- Brushes
- Cleaning and preserving agent S-761
- Possibly a wooden chip
- Soapsuds

In case of an extreme fouling of the plastic components (receiver, buttstock, handguard, magazine well, pistol grip and magazine), the cleaning may be carried out under running water.

Attention

Afterwards, it is extremely important to thoroughly clean and oil all metal components inserted attached to the plastic components.

It is prohibited to clean the G36 V with:

- Metal objects
- Plastics, such as for example Nylon, Perlon or similar when the weapon is still hot from firing.
- Chemical products such as petrol ether, carbon or similar.

2.2.1.2 Description of periodic maintenance works

(1) General

The user/carrier of the weapon

- is responsible for cleaning, preservation, condition and completeness of the G36 V and accessories.
- has to report about stoppages and damages immediately.

Cleaning has to be carried out:

- · As a general cleaning
 - After every shooting
 - After the G36 V has become wet or dirty.
- · As a normal cleaning
 - At regular intervals when the weapon is not in use
 - After every use that does not require a general cleaning.

After each cleaning and reassembly of the G36 V, it has to be checked for condition and smooth running, as described in Chapter 2.1.2.3.

(2) General cleaning

- ⇒ Disassemble the G36 V as stipulated in Chapter 2.2.4
- ⇒ Clean and dry all components with a cloth.

INSTRUCTION

Plastic components may be cleaned with water and, if required, with soapsuds.

⇒ Remove dirt and foreign matter with a cleaning brush.

INSTRUCTION

The flash hider does not have to be unscrewed for barrel cleaning

- ⇒ Pull the oil-impregnated cleaning brush (Fig. 20) with cleaning rod (Fig. 20) through the barrel from the chamber to the barrel muzzle (the first time, if possible, immediately after firing when the barrel is still warm to the touch).
- ⇒ Let the oil react for some hours.
- ⇒ Then, pull an oil-impregnated cleaning brush through the barrel once more.
- \Rightarrow Then pull dry pull-throughs through the barrel until they come out clean.
- ⇒ Slightly oil the barrel and all metal components.
- ⇒ Assemble the G36 V as stipulated in Chapter 2.2.4.
- \Rightarrow Disassemble, clean and reassemble the magazine as stipulated in Chapter 2.2.4.5.
- ⇒ Clean and brush out the magazine pouch in dry state.
- ⇒ In case of heavy fouling, additionally clean with lukewarm water (possibly using commercial cleaning products) as well as with a cloth and soft brush).

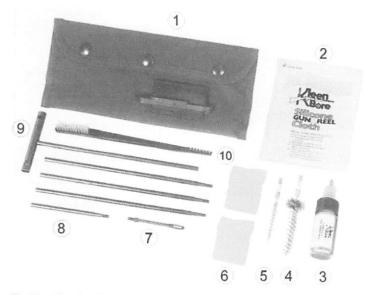


Fig. 20 Cleaning Kit

- 1 Case
- 2 Cleaning cloth
- 3 Oil bottle
- 4 Chamber cleaning brush
- 5 Barrel cleaning brush
- 6 Pull-through
- 7 Pull-through holder
- 8 Extension rod
- 9 Handle
- 10 Cleaning brush

(3) Normal cleaning

- ⇒ Disassemble the G36 V as stipulated in Chapter 2.2.4.
- ⇒ Clean dirty components and lightly oil them with a clean cloth.
- ⇒ Reassemble the G36 V as indicated in Chapter 2.2.4.

2.2.2	Flow Plan
	Symbols:
	= Greasing point MES 1
	= Preservation point / Check of functioning MES 1

= Periodic point MES 2

INSTRUCTION: The other works on the G36 V in maintenance echelon 2 are not subject to a given interval. They will be carried out if and when required. (See Part 3).

Order No.	Check point	Symbol/ Number	Check/Activity	Tooling/Lubricant
	Denomination			
1	Automatic Rifle G36 V with accessories	1	Check, clean, oil	Weapons cleaning klt, Cleaning oil, Weapons, S761 or 0-158
2	Barrel	3	Degrease	Weapons cleaning kit
		3	Clean, oil	Weapons cleaning kit. Cleaning oil, Weapons, S761 or 0-158
	- Cartridge chamber	1	Clean, oil	Weapons cleaning kit, cleaning brush, cleaning rod.
				Cleaning oil, Weapons, S761 or 0-158
	- Gas Block		Clean, oil	Cleaning oil, Weapons, S761 or 0-158
	- Barrel locking nut	2	Check proper fastening	Torque wrench, holder
3	Receiver	5	Clean, cil	Rag. Cleaning oil, Weapons, S761 or 0-158
	- Bolt guideways	15	Oil	Cleaning oil, Weapons, S761 or 0-158
	- Barrel extension	3	Clean, oil	Cleaning brush, cleaning rod. Cleaning oil, Weapons, S761 or 0-158
	- Carrying handle	4	Check proper fastening	Torque screwdriver
4	Flash hider	2	Proper fit	
		2	Clean	Rag
5	Gas piston	4	Clean, oil	Weapons cleaning kit, rag. Cleaning oil, Weapons, S761 or 0-158
6	Magazine catch	19	Functioning	
7	Magazine well	20	State, proper fit	

Order No.	Check point	Symbol/ Number	Check/Activity	Tooling/Lubricant
	Denomination			
8	Bolt assembly	10	Functioning	
		10	Clean, oil	Weapons cleaning kit. Cleaning oil, Weapons, S761 or 0-158
	- Extractor	13	Functioning	
	- Ejector	13	Functioning	
	- Cocking lever	14	Functioning of catch	
9	Pistol grip	16	Clean, oil	Weapons cleaning kit. Cleaning oil, Weapons, S761 or 0-158
	- Catch	18	Functioning	3701 01 0-138
	- Safety	17	Functioning, catch	
	- Trigger components	-	Functioning	
10	Backplate	12	Clean, oil	Weapons cleaning kit. Cleaning oil, Weapons, S761 or 0-158
	- Buffer		State	3707 070-138
	- Recoil spring	11	Functioning	
11	Buttstock	9	State, proper fit	
	- lock	8	Functioning	
12	Handguard	25	State, proper fit	
13	Carrying handle	6	Clean	Rag
	- Optical sight		State, functioning	
14	Magazine	21	State	
		21	Clean, oil	Rag. Cleaning oil, Weapons, S761 or 0-158
	- Follower, follower spring	22	Smooth running	O.01 G U-130
15	Carrying sling	23	State	
		23	Clean	Rag, cleaning brush
16	Bipod	24	Clean, oil	Rag. Cleaning oil, Weapons, S761 or 0-158
17	Practice equipment	-	Clean	
18	Accessories	[-]	Clean	Rag, cleaning brush. Cleaning oil, Weapons, S761 or 0-158

2.2.3 Table of periodic inspections

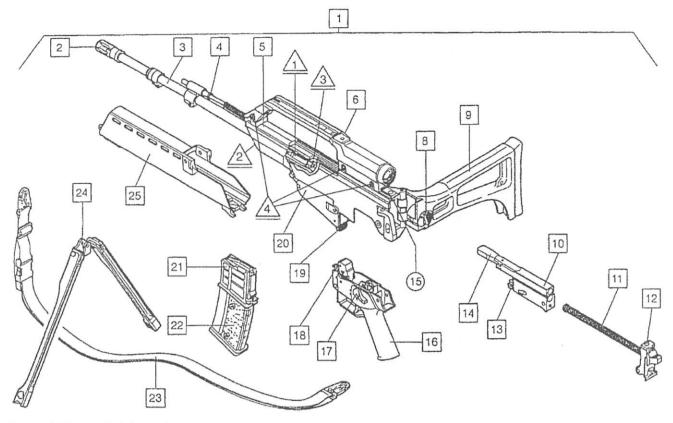


Fig. 21 Table of periodic inspections

2.2.4 Disassembly and reassembly

2.2.4.1 General

The Rifle G36 V has to be disassembled for cleaning.

The user is prohibited from disassembling the G36 V and subassemblies as well as practice equipment beyond the limit specified in these instructions.

The G36 V and its practice equipment may be disassembled for cleaning purposes without auxiliary tools. The use of any kind of violence is prohibited.

If several G36 V and practice equipment are disassembled and cleaned at the same time and in the same place, care has to be taken to avoid components being interchanged.

2.2.4.2 Disassembly of G36 V

- ⇒ Check to see whether the G36 V is loaded according to the stipulations of Chapter 2.1.2.3.
- ⇒ Unhook carrying sling and take it off.
- ⇒ Unfold buttstock.
- ⇒ Remove both locking pins from the pistol grip to the left and insert them into the bores of the buttstock.
- ⇒ Remove pistol grip towards the bottom.
- ⇒ Fold up buttstock.
- ⇒ Remove backplate with recoil spring, pulling them towards the bottom and towards the rear. In doing so, disengage the lug that projects from the bore in the receiver.
- ⇒ Pull backplate with recoil spring backwards and remove them towards the rear (Fig. 22).
- ⇒ Push out bolt to the rear, using the cocking lever (Fig. 23).

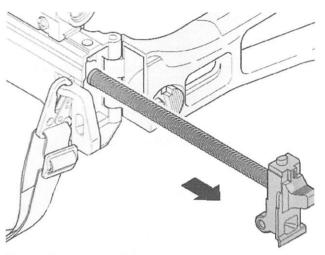


Fig. 22 Remove backplate

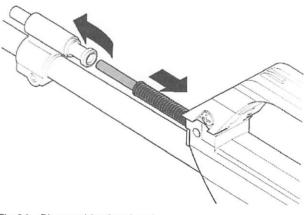


Fig. 24 Disassembly of push rod

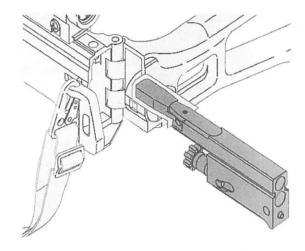


Fig. 23 Remove bolt assembly

- ⇒ Unfold buttstock.
- ⇒ Push magazine catch, pull magazine well down and remove.
- ⇒ Push out locking pin from handguard to the left, put locking pin into one of the bores in the buttstocks.
- ⇒ Pull off handguard forwards.
- ⇒ Withdraw push rod to the rear, exerting pressure against the spring as far as it will go (Fig. 24).
- ⇒ Swivel push rod towards one side and remove forwards.
- ⇒ Remove gas piston towards the rear, removing it from the gas block.

Assembly Instructions

- ⇒ Attention is to be paid to the correct assembly position of the push rod (Fig. 24).
- ⇒ Engage carrying sling with the coupling rings forwards.

INSTRUCTION

After reassembly, it is extremely important to carry out a security check and check of functioning according to the stipulations in Chapters 2.1.2.2 and 2.1.2.3.

2.2.4.3 Disassembly of Bolt Assembly

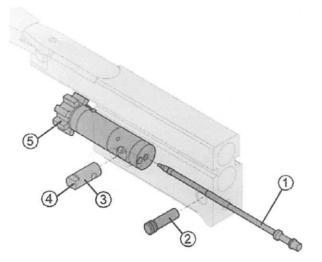


Fig. 26 Disassembly of Bolt Assembly

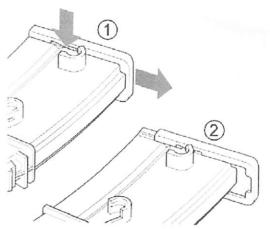
Disassembly of the bolt assembly will only be carried out within the scope of a general cleaning.

- ⇒ Push out firing pin retaining pin (2) to the left.
- ⇒ Remove firing pin (1) to the rear.
- ⇒ Pull out bolt head (5) forward until cam pin (3) is in the horizontal position.
- ⇒ Pull out cam, pin to the left.
- ⇒ Pull out bolt head forwards.

Assembly instructions

- ⇒ Introduce bolt head into the bolt head carrier with the extractor to the right.
- ⇒ Introduce cam pin with the surfaces (4) parallel to the direction of fire.
- \Rightarrow Introduce firing pin retaining pin with sealing ring into the bolt head from the left so that is even.

2.2.4.4 Disassembly and reassembly of magazine





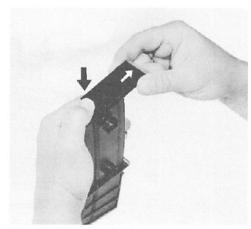


Fig. 28 Take out locking plate

⇒ Empty the magazine.

(1) Disassembly

- ⇒ With one hand, take the magazine with its lower side up, so that the thumb is on the floor plate at the side where the magazine has its lugs.
- ⇒ With the other hand, grasp the magazine floor plate.

CAUTION

The magazine floor plate is under spring tension.

⇒ With your thumb directly below the bottom of the magazine, (Fig. 27/Arrow), briefly compress the magazine housing and simultaneously withdraw the magazine floor plate up to the second notch (2).

CAUTION

The magazine floor plate is under spring tension. Block follower spring with your thumb so it does not bounce out.

- ⇒ In the same spot once more compress the magazine housing and slowly pull off the magazine floor plate altogether (Fig. 27).
- ⇒ Withdraw the follower and follower spring.
- ⇒ Clean the follower and follower spring.

(2) Reassembly

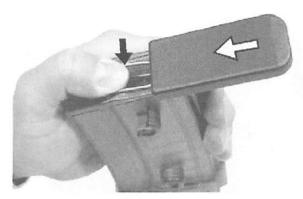


Fig. 29 Reassembly of magazine

- ⇒ Grasp the magazine housing with the lower side upwards.
- ⇒ Introduce follower and follower spring into the magazine housing.
- ⇒ Push the follower spring into the magazine housing with your thumb (Fig. 29).
- ⇒ Slide floor plate over magazine housing until it engages into the second notch of the magazine housing.

2.3 Stoppages and breakdowns, their cause and elimination

In the event of stoppages on the G36 V, the weapon is to be considered as loaded until the actual condition has been determined.

During the elimination of stoppages, safety precautions are to be taken into account.

In the event of stoppages on the G36 V, for example, the cartridge fired from the G36 V is not ignited, the bolt assembly does not close completely, or the spent cartridge is case not ejected, the following immediate steps have to be taken:

- ⇒ Put the G36 V on "Safe".
- ⇒ Remove the magazine.
- ⇒ Unload G36 V.
- ⇒ Ensure that barrel, cartridge chamber and receiver are free of obstacles.
- ⇒ Next, determine and eliminate the cause of the stoppage.

The items indicated in the following do not cover all stoppages theoretically possible.

A given stoppage may also have been caused by other reasons than the ones indicated.

Stoppage, fault	Cause	Remedy	
1	2	3	
Cartridge is not ignited	Ammunition fault (Dud round)	Recock weapon	
	Tip of firing pin damaged or broken	Turn in G36 V for repair	
	Hammer spring damaged or broken	Turn in G36 V for repair	
Bolt has not opened after the shot	Cartridge case stuck in chamber due to deformation or dirty chamber	Unload: Retract bolt to eject cartridge case, clean, if fouled. If required, turn in G36 V for repair	
	Gas drive unit fouied or defective	Clean gas piston. If required, turn in G36 V for repair.	
Cartridge case not extracted or	Cartridge chamber dirty	Clean cartridge chamber	
ejected	Ejector or ejector spring broken	Turn in G36 V for repair	
	Ejector or ejector spring damaged	Turn in G36 V for repair	
	Insufficient bolt recoil	Unload: Use cocking lever to retract bolt. Remove cartridge case. Check for smooth running and check cartridge chamber for fouling, if required, clean cartridge chamber	
No cartridge fed by bolt	Magazine not properly inserted	Insert magazine properly	
	Magazine loose	Check magazine catch and lugs. If required, turn in for repair.	
	Follower spring lame	Replace magazine, turn in defective one for repair	
	Magazine lips damaged	Replace magazine, turn in defective one for repair	
	Magazine well damaged	Turn in magazine well for repair	
Bolt not closed completely	Cartridge chamber dirty	Clean cartridge chamber	
Cartridge not fully fed	Barrel extension dirty	Clean barrel extension	
	Cartridge damaged	Recock manually	
	Recoil spring lame	Turn in G36 V for repair	
	Incomplete cocking movement	Release cocking lever, let it snap forward without holding on to it	
Bolt does not stay open after last shot	Follower spring lame	Replace magazine, turn in defective one for repair	
G36 V trigger cannot be pulled with hammer cocked	Sear broken or compression spring lame	Turn in G36 V for repair	
G36 V fires with markedly increased rate of fire	Tenon or gas piston broken	Turn in G36 V for repair	
Magazine stuck in magazine well	Magazine damaged	Replace magazine and turn in defective one for repair	
	Magazine catch defective	Turn in G36 V for repair	
No weapon function during firing with blank firing attachment	Blank firing attachment cannot be fully screwed on	Turn in G36 V for repair	
	Excessive gas passage	Decrease gas passage	

Stoppage, fault	Cause	Remedy
1	2	3
No weapon function during firing with blank cartridges (only hissing sound to be heard)	Moisture in barrel bore. Unburned powder in barrel Note: May happen after prolonged	Immediately cease firing with this weapon. Clean barrel and blank firing attachment
	exposure of weapon to atmospheric effects at minus temperatures	Note: Functioning cannot be improved by turning the nozzle bolt
Cartridge case ejected too far when firing blank cartridges	Nozzie bolt on blank firing attachment set for insufficient gas	Set nozzie bolt on blank firing attachment for higher gas passage
	passage	Note: Optimum setting only possible after some shots

2.4 PRESERVATION AND PACKAGING, STORAGE

For normal preservation and storage at the Depot, the works indicated in Chapter 2.2.2 will have to be carried out.

2.5 TECHNICAL SAFETY AND ACCIDENT PREVENTION GUIDELINES

- 1) The G36 V always has to be treated as if it were loaded and ready to fire. It is prohibited:
 - to play with the G36 V, especially to aim it at persons as well as
 - to use violence during handling, disassembly and cleaning.
- 2) During the safety check, the barrel of the weapon has to point obliquely upwards.
- 3) The G36 V may only be passed on to others in unloaded or partially-loaded state (Magazine inserted and chamber empty) with a formal announcement. The person receiving the weapon must immediately check the safety and loaded state. In action the G36 V may be passed on in and with the safety on.
- 4) The safety has to be in the "S" (Safety) position. It may only be set to the "E" (Semi-automatic) or "F" (Full-automatic) positions immediately before firing.
- 5) The G36 V may only be stored in unloaded state as specified in Chapter 2.1.3.6.
- 6) Disassembly and reassembly may only be carried out with the G36 V unloaded.
- 7) Before every use of the G36 V as well as after every shooting, a safety check has to be carried out as described in Chapter 2.1.2.3. Before the safety check, the G36 V has to be unloaded as specified in Chapter 2.1.3.6.
- 8) Special care has to be taken when loading or unloading magazines. Blows or similar stresses on the primer might ignite the round. Outside the weapon with the bolt locked, this might cause an explosive fragmentation of the cartridge case. For this reason, blows against the primers must be avoided at all times. There is the danger of injury.
- 9) The basic safety guidelines when handling small arms also apply for firing of blank cartridges.
- 10) Blanks may only be fired with the blank firing attachment screwed on.

Behaviour in case of exceptional events

In case of exceptional events, for example explosion type noises, the G36 V and possibly the blank-firing attachment, are to be left in the present uncleaned state and to be set aside for examination by experts.

3 Repairs

3.1 General Data

Repair of the Automatic Rifle G36 V in the Maintenance Echelons MES 2/MES 3 includes the following works:

- Implementation of required repair works.
- · Determination and repair of flaws and defects, as well as
- Works exceeding the scope prescribed for Maintenance Echelon MES 1.

In Maintenance Echelon MES 2, only the works assigned to this Maintenance Echelon in Chapter 3.5 (List of Maintenance Echelons) may be carried out.

3.1.1 Special tools, measuring and testing units up to MAINTENENCE ECHELON 3

Only the prescribed special tools, measuring units and testing equipment may be used.

(1) Special-purpose tools

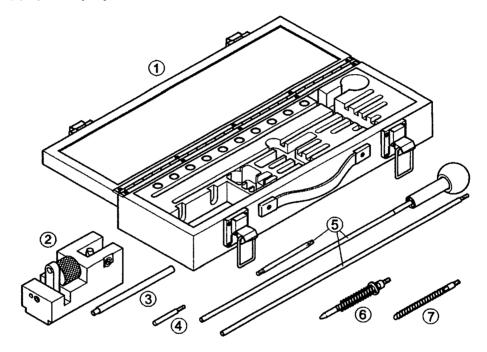


Fig. 30 Special-purpose tools

Pos. Figure 30	Designation of supply item	Quantity	IdentNo
1	2	3	4
1	Tool kit	1	347 284
2	Ejector assembly tool	1	344 720
3	Clamping sleeve removing tool	1	346 041
4	Insert for ejector	1	346 052
5	Cleaning rod with extension	1	346 053
6	Chamber cleaning brush	1	346 050
7	Cleaning brush	2	322 620

2) Measuring and testing units

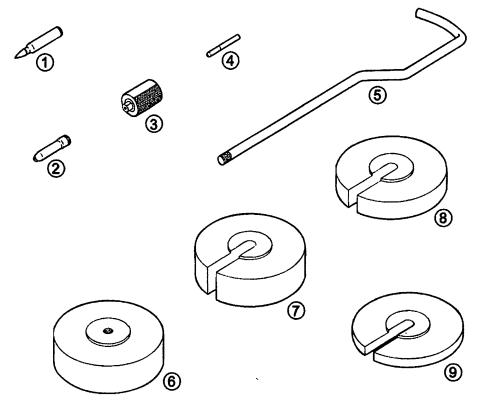


Fig. 31 Measuring and testing units

Pos. Figure 31	Designation of supply item	Quantity	IdentNo.
1	2	3	4
1	Practice cartridge cal. 5.56 mm	10	
2	"No-go" gauge gap between bolt head/bolt head carrier	1	346 051
3	Firing pin protrusion gauge	1	346 280
4	"No-go" gauge for barrel x 5.64 mm	1	340 854
5	Short rod	1	347 599
6	2-kg test weight (with short rod)	1	347 596
7	Addit. 2.0-kg test weight	1	347 597
8	Addit. 1.0-kg test weight	1	347 598
9	Addit. 0.5-kg test weight	1	347 629

3.1.2 Setting data and tolerances up to MAINTENANCE ECHELON 3

Gap Bolt Head/Bolt Head Carrier

max. 47.22 mm

Firing pin protrusion

max. 1.10 mm min. 0.90 mm

max. 55 N

Trigger pull

min. 30 N

3.1.3 Consumable maintenance material

Serial No.	Designation	Nato-Supply-No.	Notes
1	2	3	4
1 2	Lubricant oil for weapons Antifreezing oil	S-761 or 0-158 (MIL-L-46000) 0-157 (MIL-L-14107)	

3.1.4 Barrel locking inspection tools

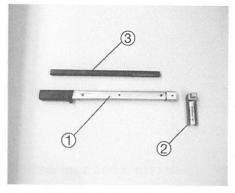


Fig. 32 Barrel locking inspection tools

Pos. Fig. 32	Designation of supply item	Quantity	Ident-No.
1	2	3	4
1	Torque wrench	1	986 461
2	Adaptor	1	346 044
3	Holder	1	344 967

3.1.5 Carrying handle inspection tools



Fig. 33 Carrying handle inspection tools

Pos. Fig. 33	Designation of supply item	Quantity	Ident-No.
1	2	3	4
1	Torque screwdriver Phillips head insert, size 2	1 1	987 613 987 614

3.2 REPAIR, PERIODIC AND SETTING WORKS (MAINTENANCE ECHELON 2), REPAIR WORKS, PERIODIC AND SETTING WORKS OF REPAIR WORKS, MAINTENANCE ECHELON 3

3.2.1 General

Automatic Rifles G36 V with damages and poor shooting results have to be repaired by the repair personnel competent for:

- Establishing the extent of and reason for the defects, as well as the requirement of spare parts.
- Correctly repairing them within the scope of Maintenance Echelon 2 and/or
- Passing them on to the corresponding Repair Center, should a repair within Maintenance Echelons 3 or 4 turn out to be required.

Defective components have to be replaced by new ones.

After each repair, the functioning of the G36 V is to be checked with blank cartridges.

3.2.2 Works on the Automatic Rifle G36 V complete

3.2.2.1 Check of the loading and unloading process

Testing equipment:

- Blank cartridge cal. 5.56 mm
- ⇒ Carry out a security check.
- ⇒ Fill the magazine with at least 5 blank cartridges.

CAUTION

Blanks will be ejected towards the side.

- ⇒ With the cocking lever, withdraw the bolt until the last blank has been ejected.
- ⇒ Observe the blanks being ejected.

After the ejection of the last blank, the catch holds the bolt in the open position.

3.2.2.2 Check of gap between bolt head/bolt head carrier

Testing equipment:

- "No-go" Gauge for gap between bolt head/bolt head carrier
- ⇒ Carry out a security check.
- ⇒ With the cocking lever, withdraw the bolt and push bolt catch upwards.

The catch holds the bolt in the open position.

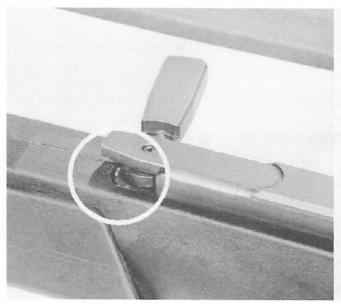
- ⇒ Introduce the gauge for gap bolt head/bolt head carrier into the chamber.
- ⇒ Slightly withdraw the bolt and lead it forwards manually, if required push it forwards until it reaches its final position.

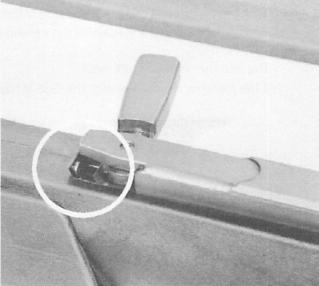
The bolt of the G36 V must not be locked (Fig. 34). If the bolt locks, the G36 V has to be repaired.

⇒ Withdraw bolt using the cocking lever.

The gauge for gap between bolt head and bolt head carrier is withdrawn through the ejection opening.

- ⇒ Let the bolt return to the forward position.
- ⇒ Uncock the G36 V and set it at "Safe".





Bolt locked

Fig. 34 Check of gap between bolt head/bolt head carrier

Bolt not locked

3.2.2.3 Check of the trigger pull

Testing equipment:

- 2.0 kg test weight
- · Additional 0.5 kg test weight
- · Additional 1.0 kg test weight
- · Additional 2.0 kg test weight
- Short rod

Nominal Value: 30 to 55 N

- ⇒ Carry out a security check.
- ⇒ Remove the magazine.
- ⇒ Using the cocking lever, withdraw the bolt as far as it will go, then release it.
- ⇒ Set the G36 V at "Safe".
- ⇒ Fold up buttstock.
- ⇒ Screw the short rod onto the test weight and additionally engage the 1.0 kg test weight.
- ⇒ Hang the short rod with the weights into the trigger (Fig. 35).
- ⇒ The hammer must not be released.
- ⇒ If the hammer is released, the G36 V has to be repaired.
- ⇒ Carefully hang the additional 2.0 kg and 0.5 kg weights into the short rod with the weights (Fig. 35).

The hammer must be released.

If the hammer is not released, the G36 V has to be repaired.

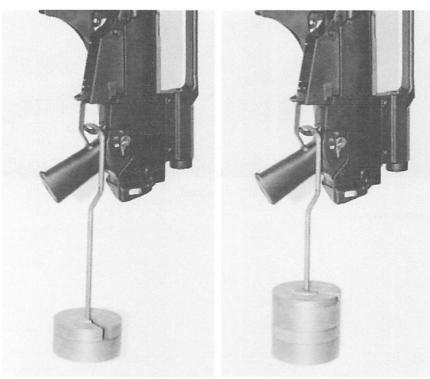


Fig. 35 Check of the trigger pull

3.2.3 Works on the receiver with barrel and attachment parts

3.2.3.1 Check of barrel erosion

Testing equipment:

- Cleaning rod
- · Adapter rod.
- "No-go" gauge for barrel x 5.64 mm
- ⇒ Carry out a security check.
- ⇒ Disassemble pistol grip, fold up buttstock, take off backplate with recoil spring and remove bolt assembly.
- ⇒ Screw "No-go" gauge for barrel onto rod.
- ⇒ Introduce rod into the barrel from the rear, through the receiver, and read off depth of penetration at the rear edge of the receiver (Fig. 36/Arrow).

If the rod enters up to the red mark, the G36 V has to be taken to Maintenance Echelon 4.

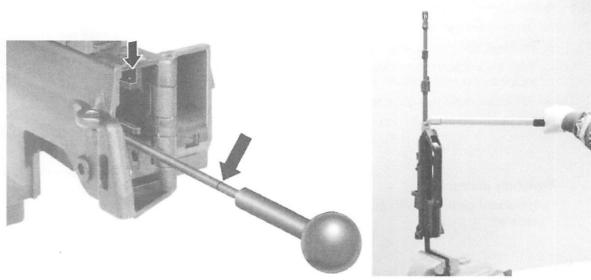


Fig. 36 Check of barrel wear

Fig. 37 Check of barrel locking

3.2.3.2 Check of barrel locking

Testing equipment:

- Torque wrench
- Adaptor
- Holder
- ⇒ Carry out a security check. Remove handguard, magazine guide, pistol grip, backplate with recoil spring and bolt assembly.
- ⇒ Fasten holder in a vise.
- ⇒ Place the rifle with the barrel extension onto holder
- ⇒ Insert adaptor into barrel locking nut and check with torque wrench, whether the locking nut is properly fastened (torque = 90 Nm). The torque wrench must audibly click.

3.2.3.3 Replacement of Circlip

- ⇒ Carry out a security check.
- ⇒ Disassemble the handguard.
- ⇒ Push circlip inwards at both ends, using the assembly pliers.
- ⇒ Remove circlip from groove.

Assembly Instructions

When carrying out the repair, always use a new circlip.

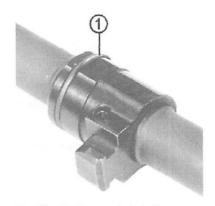


Fig. 38 Replacement of circlip

3.2.3.4 Replacement of push rod, complete

- ⇒ Carry out a security check.
- \Rightarrow Disassemble the handguard.
- ⇒ With the cocking lever, retract bolt as far as it will go, then lock it in the rear position pushing the catch upwards.
- ⇒ Withdraw push rod (2) to the rear as far as it will go.
- ⇒ Tilt push rod towards one side and pull it out forwards.

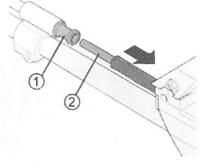


Fig. 39 Replacement of push rod

Assembly instructions

⇒ Introduce push rod with plate by pushing it to the rear in the receiver.

3.2.3.5 Check and/or replacement of gas piston, compl.

INSTRUCTION

The gas piston may only be checked and replaced, If required, when stoppages occur on the G36 V.

- ⇒ Carry out a security check.
- ⇒ Disassemble the complete push rod, as indicated in Chapter 3.2.3.4.
- ⇒ Remove gas piston (Fig. 39/1) and check its state.

3.2.3.6 Replacement of magazine catch and/or leaf spring

INSTRUCTION

The magazine catch is under spring tension.

- ⇒ Carry out a security check.
- ⇒ Remove the two locking pins from the pistol grip to the left and place them into the bores in the buttstock.
- ⇒ Remove pistol grip to the bottom.
- ⇒ Press magazine catch forwards, swivel magazine well forwards and downwards and take it off.
- ⇒ Using a drift punch, drive out cylindrical pin downwards (Fig. 40).
- ⇒ Remove magazine catch forwards (Fig. 40/1), in doing so take care to avoid the loss of the compression spring.
- ⇒ Withdraw compression spring.

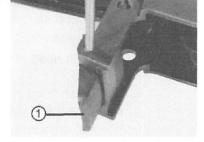


Fig. 40 Replacement of magazine catch

Assembly instructions

- ⇒ When installing the magazine catch, (Fig. 41/1) pay attention to the assembly position of the compression spring (Fig. 41/3).
- ⇒ Use a screwdriver to depress the compression spring.
- ⇒ Use a drift punch to block magazine catch inside the pin hole.
- \Rightarrow The cylindrical pin (41/2) has to be even on both sides.

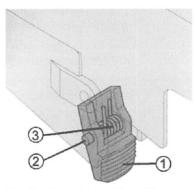


Fig. 41 Assembly position of the compression spring

3.2.4 Works on the Bolt Assembly

3.2.4.1 Check of firing pin protrusion

Testing Equipment:

- Firing pin protrusion gauge
- ⇒ Carry out a security check.
- ⇒ Disassemble the bolt assembly
- ⇒ Push bolt head to the rear as far as it will go (locked position).
- ⇒ Fully push firing pin forward from the rear.
- ⇒ Place firing pin protrusion gauge, with its surface to the left (Ejector) onto tip of firing pin (Fig. 42) and push downwards.
- ⇒ Check firing pin protrusion.

The lug (Fig. 43/2) of the firing pin protrusion gauge has to be **between** the two measuring surfaces (Fig. 43/1 and 3).

If the lug is level with the lower measuring surface (Fig. 43/1) the firing pin protrusion is **too small.**

If the lug is level with the upper measuring surface (Fig. 43/3) or projects from it, the firing pin protrusion is **excessive**.

If the firing pin protrusion is too small or excessive the G36 V has to be repaired.

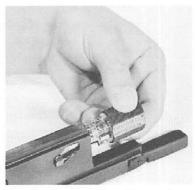


Fig. 42 Check of firing pin protrusion

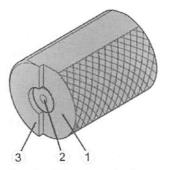


Fig. 43 Firing pin protrusion gauge

3.2.4.2 Replacement of the Bolt Assembly

Assembly instructions:

Before assembly, the new bolt assembly has to be marked.

3.2.4.3 Replacement of firing pin

- ⇒ Carry out a security check.
- ⇒ Disassemble the bolt assembly.
- ⇒ Remove firing pin retaining pin (Fig. 46/2), pushing it to the left.
- ⇒ Remove firing pin (Fig. 46/1) to the rear.

Assembly instruction:

⇒ Insert locking pin into the bolt assembly from the left, with the sealing ring towards the outside.

INSTRUCTION

After the replacement, a check of the firing pin protrusion has to be carried out, as indicated in protrusion has to be carried out, as indicated in Chapter 3.2.4.1

3.2.4.4 Replacement of bolt head, compl.

- ⇒ Carry out a security check.
- ⇒ Disassemble the bolt assembly.
- ⇒ Disassemble the firing pin as indicated in Chapter 3.2.4.5.
- ⇒ Pull out the bolt head (Fig. 47/2) until the cam pin is in the horizontal position.
- ⇒ Remove cam pin to the left (Fig. 47/1).
- ⇒ Remove bolt head forwards.

Assembly instructions

- ⇒ Before assembly, the new bolt head has to be marked with the serial number of the weapon.
- ⇒ Introduce bolt head into the bolt head carrier with the extractor to the right.
- ⇒ Introduce the control bolt with its flat surfaces parallel to the direction of fire.

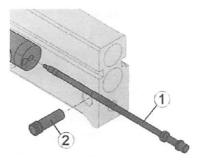


Fig. 46 Replacement of firing pin

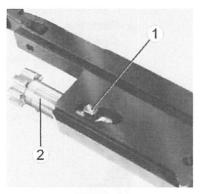


Fig. 47 Replacement of bolt head, compL

INSTRUCTION

After assembly, the gap between bolt head and bolt head carrier as well as the firing pin protrusion head have to be checked as stipulated in Chapters 3.2.2.2 and 3.2.4.1.

3.2.4.5 Replacement of ejector and/or ejector spring

Special-purpose tool:

· Ejector assembly tool.

INSTRUCTION

The ejector is under heavy spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the bolt head as indicated in Chapter 3.2.4.6.
- ⇒ Clamp ejector assembly tool (Fig. 48/6) on its recesses (Fig. 48/5).
- ⇒ Swivel locking lever (Fig. 48/1) and remove pressure piece (Fig. 48/2) towards the rear.
- ⇒ Place bolt head (Fig. 48/4) onto bolt (Fig. 48/3) of assembly tool as shown in Figure 48.
- \Rightarrow From the rear, introduce the pressure piece with the flat side towards the bottom.
- ⇒ Push pressure piece forwards until locking lever can be swivelled upwards.
- ⇒ Push locking lever upwards (Fig. 48).
- ⇒ From the right, introduce pin punch into the assembly bore (Fig. 49/5) and remove clamping sleeve (Fig. 49/2)
- ⇒ Swivel locking lever downwards, in doing so hold on to pressure piece (Fig. 49/1) (Spring tension).
- ⇒ Let pressure piece come to the rear slowly.
- ⇒ Remove ejector spring (Fig. 49/3) and ejector (Fig. 49/4) to the rear.

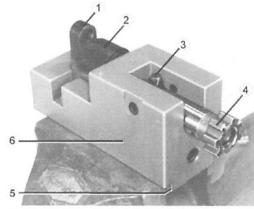


Fig. 48 Place bolt head into assembly tool

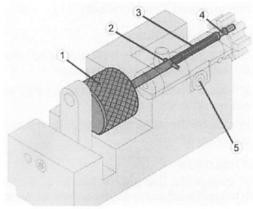


Fig. 49 Replace ejector and/or ejector spring

Assembly

- ⇒ Introduce the ejector (Fig. 49/4) from the rear into the assembly tool with the rounded-off end forwards.
- ⇒ Insert ejector spring (Fig. 49/3) and push it forwards as far as it will go.
- ⇒ From the rear, introduce pressure piece (Fig. 49/1) with the flat side towards the bottom.
- ⇒ Press ejector spring inwards with pressure piece and swivel locking lever upwards.
- ⇒ Introduce clamping sleeve (Fig. 49/2) into the assembly bore (Fig. 49/5) from the right, and using the pin punch, push it in until it is level on both sides.

INSTRUCTION

After the repair, a check of functioning of the ejector and ejector spring has to be carried out as stipulated in Chapter 3.2.2.1.

3.2.4.6 Replacement of extractor and/or extractor spring

INSTRUCTION

The extractor is under spring tension.

Also when replacing the extractor and/or the extractor spring, new cylindrical pins have to be used always.

- ⇒ Carry out a security check.
- \Rightarrow Disassemble the bolt head as indicated in Chapter 3.2.4.6.
- ⇒ Clamp the bolt head so that the extractor (50/1) is pressed against the bolt head (Fig. 50).
- ⇒ Drive out cylindrical pin with a drift punch.
- ⇒ Remove bolt head from the clamping fixture, in doing so hold on to the extractor (spring tension).
- ⇒ Withdraw the extractor and the extractor spring with the rubber bolt.
- ⇒ Replace rubber bolt.

Assembly instructions

- ⇒ When carrying out the assembly, pay attention to the correct assembly of the rubber bolt (Fig. 51/2) with the extractor spring.
- ⇒ Push extractor down until its bore coincides with that in the bolt head.
- ⇒ The cylindrical pin has to project equally above and below.
- ⇒ Slightly upset the new cylindrical pin on both sides.

INSTRUCTION

After the repair a check of functioning of the extractor and extractor spring has to be out as stipulated in Chapter 3.2.2.1.

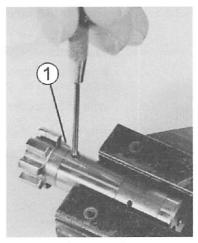


Fig. 50 Replacement of extractor and/or extractor spring

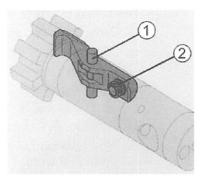


Fig. 51 Assembly position of the extractor spring with rubber bolt

3.2.5 Works on pistol grip, complete

3.2.51 Replacement of cover, complete

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Using a screwdriver, push the cover catch inwards and downwards (Fig. 52).
- ⇒ Remove the cover downwards.

Assembly instruction

The catch has to engage audibly.

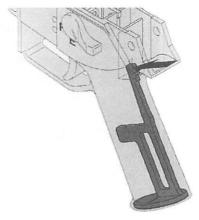


Fig. 52 Replace cover

3.2.5.2 Replacement of catch

INSTRUCTION

The catch is under spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ If required, uncock the hammer.
- ⇒ Rock hammer backwards (Fig. 53/3) all the way and swivel catch (Fig. 53/1) forwards as far as it will go.
- ⇒ Drive out cylindrical pin with a drift punch.
- ⇒ When driving out the drift punch, hold catch depressed (spring tension).
- ⇒ Remove catch towards the top.

Assembly

- ⇒ Insert catch, with the engagement edge (Fig. 53/5) towards the rear, in front of the hammer.
- ⇒ Lock catch into place using a drift punch.
- ⇒ Insert cylindrical pin and, holding it with the pin punch, press it in until it is even on both sides.

INSTRUCTION

After the repair, a check of functioning of the trigger mechanism has to be carried out.

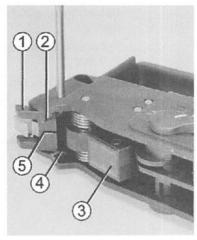


Fig. 53 Replacement of catch

3.2.5.3 Replacement of hammer and/or of hammer springs

INSTRUCTION

The hammer is under spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Disassemble the catch as stipulated in Chapter 3.2.5.2.
- ⇒ Use drift punch to drive out cylindrical pin.
- ⇒ When removing the drift punch hold hammer down (Spring tension of the push rod).
- ⇒ Remove hammer (Fig. 54/2) and hammer springs (Fig. 54/1 and 3) towards the top.
- ⇒ Remove hammer springs from hammer itself.

Assembly

⇒ Place hammer springs (Fig. 55/2 and 5) over hammer lugs (Fig. 55/3 and 5), as shown in Fig. 55.



Do not yet place the hammer springs (Fig. 55/2 and 3) into the seat on the pistoll grip, on the right of the hammer.

- ⇒ Place hammer and hammer springs into the pistol grip and push them down until the bores in the hammer are even with those in the pistol grip.
- ⇒ Insert the cylindrical pin (Fig. 55/4) and push it in until it is even on both sides.
- ⇒ Engage hammer spring (Fig. 55/5) into lug on hammer.
- ⇒ Assemble the catch as indicated in Chapter 3.2.5.2.

INSTRUCTION

After the repair a check of functioning of the trigger mechanism has to be carried out.

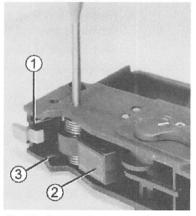


Fig. 54 Replace hammer and/or hammer springs

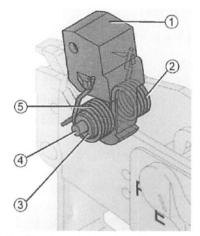


Fig. 55 Assembly position of hammer springs

3.2.5.4 Replacement of safety lever and safety lever axle

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Press catch (Fig. 56/3) downwards and rotate safety lever upwards beyond the S setting (Fig. 56).
- ⇒ Remove safety lever axle (Fig. 56/2) to the left and/or
- ⇒ remove safety lever (56/1) to the right.

Assembly instructions

⇒ Pay attention to the assembly position of the safety lever and/or the safety lever axle.

INSTRUCTION

After the repair, a check of functioning of the safety has to be carried out.

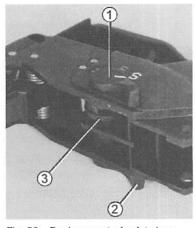


Fig. 56 Replacement of safety lever and safety lever axle

3.2.5.5 Replacement of slide

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Use drift punch to drive out the cylindrical pin (Fig. 57/4)
- ⇒ Disassemble the safety axle as stipulated in Chapter 3.2.5.4

CAUTION

The catch (Fig. 57/3) is no longer laterally guided It is under heavy spring tension and may spring out.

⇒ Remove the slide (Fig. 57/2) towards the top. To do so, push the catch towards the right.

Assembly instructions

- ⇒ Place slide with its forward edge behind the cylindrical pin. (Fig. 57/1)
- ⇒ Introduce the cylindrical pin (Fig. 57/4) from the left, and, in doing so, press the right trigger spring downwards with a screwdriver.
- ⇒ The cylindrical pin (Fig. 57/4) has to be even on both sides.

INSTRUCTION

After the repair, a check of functioning of the safety and trigger mechanisms has to be carried out.

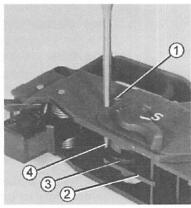


Fig. 57 Replacement of slide

3.2.5.6 Replacement of catch and/or compression spring

CAUTION

The catch is under heavy spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Disassemble the safety lever axle as stipulated in Chapter 3.2.5.4 and the slide acc. to Chapter 3.2.5.5.
- ⇒ With your thumb, press catch (Fig. 58/2) downwards and to the left to unseat catch arrow (Fig. 58/1) from the catches of the catch disc.
- ⇒ Slowly extract catch upwards against spring tension.
- ⇒ Remove compression spring from catch.

Assembly

- ⇒ Place spring over catch.
- ⇒ Rotate holding disc (Fig. 59/2) so that the notches point to the rear and the safety lever (Fig. 59/3) is even with the upper edge of the pistol grip.
- ⇒ Place catch with compression spring (Fig. 59/1) onto the surface of the pistol grip (Fig. 59/5) with the holding arrow to the right.
- ⇒ Push catch downwards and engage the holding arrow in the small lower notch (Fig. 59/4) of the holding disc.
- ⇒ Keep catch pressed to the right and assemble slide as stipulated in Chapter 3.2.5.5 and safety lever axle as stipulated in Chapter 3.2.5.4.



- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Disassemble the catch as stipulated in Chapter 3.2.5.6.
- ⇒ Hold back the safety lever (Fig. 60/1), withdraw the catch disc (Fig. 60/2) inside to the left.

Assembly

- ⇒ Place catch disc into the pistol grip with the notches to the left.
- ⇒ Align the notches for the safety lever lug in the pistol grip with those in the catch disc.
- ⇒ Install the safety lever from the right.
- ⇒ Assemble the components of safety and trigger mechanism as stipulated in Chapters 3.2.5.4 and 3.2.5.6.

INSTRUCTION

After the repair a check of functioning of the safety and trigger mechanisms has to be carried out.

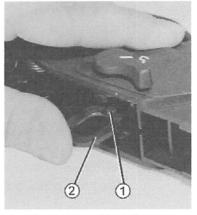


Fig. 58 Replace catch and/or compression spring

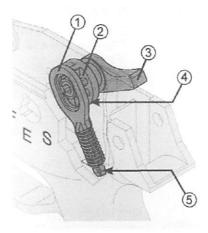


Fig. 59 Assembly position of compression spring

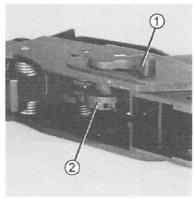


Fig. 60 Replace catch disc

3.2.5.8 Replacement of sear and/or compression spring

INSTRUCTION

The sear is under spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the safety and the trigger mechanism components as indicated in Chapters 3.2.5.2 to 3.2.5.7.
- ⇒ Depress the sear (Fig. 61/1) and trigger and, from the right, push out the cylindrical pin (Fig. 61/2) with the drift punch until the sear is free.
- ⇒ Keep sear depressed (Spring tension) and withdraw the drift punch.
- ⇒ Slowly withdraw the sear towards the top.
- ⇒ Remove compression spring.

Assembly

- ⇒ First introduce the compression spring into the spring guide of the sear (Fig. 62/1).
- ⇒ Introduce sear with compression spring into pistol grip and introduce free end of spring into the spring guide on trigger (Fig. 62/2).
- ⇒ Press sear backwards and downwards against spring pressure until the bores in the sear are aligned with those in the trigger.
- ⇒ Press cylindrical pin to the right until it is even on both sides.
- ⇒ Assemble the safety and the trigger mechanism components as indicated in Chapters 3.2.5.2 to 3.2.5.7.

INSTRUCTION

After the repair a check of functioning of the safety and trigger mechanisms has to be carried out.

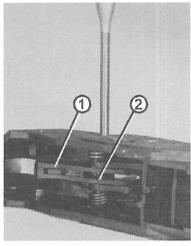


Fig. 61 Replace sear and compression spring

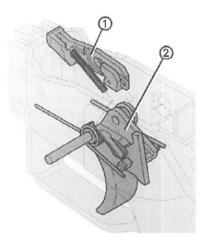


Fig. 62 Assembly position of compression spring

3.2.5.9 Replacement of trigger and/or trigger springs

INSTRUCTION

The trigger is under heavy spring tension.

- ⇒ Carry out a security check.
- ⇒ Disassemble the pistol grip.
- ⇒ Disassemble the safety and the trigger mechanism components as indicated in Chapters 3.2.5.2 to 3.2.5.8.
- ⇒ Push trigger (Fig. 63/2) downwards against the tension of the trigger springs (Fig. 63/1 and 3) and withdraw cylindrical pin (Fig. 61/2) fully to the right.
- ⇒ Withdraw trigger with springs from the pistol grip towards the top.
- ⇒ Remove the trigger springs

Assembly

- ⇒ Engage trigger springs (Fig. 64/2 and 6) on lugs (Fig. 64/5) of trigger as indicated in Figure 64.
- ⇒ Engage rear end of right trigger spring (Fig. 64/2) into the support (Fig. 64/4) on trigger.



Engage the forward end of the left trigger spring (Fig. 64/6) into the support of the catch.

- ⇒ Place trigger with trigger springs into the pistol grip. Push them towards the bottom. In doing so, engage the forward ends of the springs into the supports of the catch (Fig. 64/7).
- ⇒ Insert the cylindrical pin from the left and push it in until it is even on both sides.
- ⇒ Assemble the safety and the trigger mechanism components as indicated in Chapters 3.2.5.2 to 3.2.5.8.

INSTRUCTION

After the repair a check of functioning of the safety and trigger mechanisms has to be carried out.

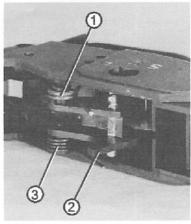


Fig. 63 Replace trigger and/or trigger springs

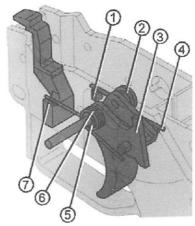


Fig. 64 Assembly position of the trigger springs

3.2.5.10 Replacement of catch

- ⇒ Carry out a security check.
- \Rightarrow Disassemble the pistol grip.
- ⇒ Disassemble the safety and the trigger mechanism components as indicated in Chapters 3.2.5.2 to 3.2.5.9.
- ⇒ Withdraw the catch (Fig. 65/1) from the pistol grip upwards.

Assembly instructions

⇒ Pay attention to the assembly position of the catch (Fig. 65).

INSTRUCTION

After the repair, a check of functioning of the bolt catch, safety and trigger mechanisms has to be carried out.

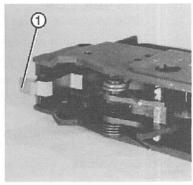


Fig. 65 Replacement of catch

3.2.6 Works on the complete buttstock

3.2.6.1 Replacement of pin and/or compression spring

INSTRUCTION

The pin is under spring tension

- ⇒ Carry out a security check.
- ⇒ Fold up buttstock.
- ⇒ Press in pin (Fig. 66).
- ⇒ Using an appropriate tool, press in the catch (66/arrow) and remove pin.
- ⇒ Remove compression spring from pin.

Assembly instructions

- ⇒ Check the state of the buttstock support.
- ⇒ Check to ensure correct engagement of the retaining lug.



Fig. 66 Replace pin and/or compression spring

3.2.6.2 Replacement of buttstock complete

Special-purpose tool:

- · Drift punch for the clamping sleeve
- ⇒ Carry out a security check.
- ⇒ Disassemble pistol grip.
- ⇒ Drive out clamping sleeve (Fig. 67/2) to the bottom, using drift punch for the buttstock (Fig. 67/1).
- ⇒ Undo the lock (Fig. 67/3) and remove buttstock.
- ⇒ Disassemble the locking pin as stipulated in Chapter 3.2.6.1.

Assembly

- ⇒ Assemble locking pin with compression spring as stipulated in Chapter 3.2.6.1.
- ⇒ Insert buttstock with its guides for the clamping sleeve into the support on the receiver and lock it with the drift punch for the clamping sleeve.

In this operation the buttstock may neither be fully unfolded nor fully folded up.

- ⇒ Drive in the clamping sleeve with a hammer until it is even with the upper edge of the eyepiece of the optical sight.
- ⇒ Drive out the drift punch for clamping sleeves towards the bottom.
- ⇒ Continue to drive in the clamping sleeve until it is approx.5 mm below the upper edge.

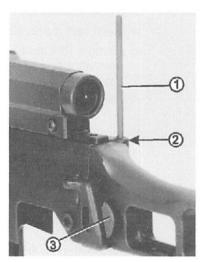


Fig. 67 Replacement of buttstock, compl.

3.2.7 Works on the handguard complete

3.2.7.1 Replacement of the leaf spring

- ⇒ Carry out a security check.
- ⇒ Press in leaf spring (Fig. 68/1) and remove eyelet forwards.
- ⇒ Pry leaf spring upwards using a screwdriver as a lever.
- ⇒ Remove leaf spring.

Assembly instructions

⇒ Pay attention to the assembly position of the leaf spring (Fig. 68).

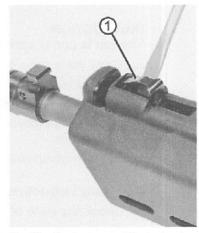


Fig. 68 Replacement of the leaf spring

3.2.8 Works on the carrying handle with optical sight

3.2.8.1 Replacement of carrying handle with optical sight

- ⇒ Carry out a security check.
- Using a Phillips head screwdriver, undo the 3 clamping screws and withdraw them together with the washer and the lock washer.
- ⇒ Slide the carrying handle with optical sight off the receiver to the rear.

Assembly

- ⇒ Place the new carrying handle with optical sight into the dovetail guideways of the receiver from the rear and push it all the way forward.
- ⇒ Insert and tighten the clamping screws, by means of the torque screw driver (torque 250 Ncm).

INSTRUCTION

Pay attention to the shapes of the two clamping screws. The long clamping screw is always used in the forward position.

⇒ After the replacement, the G36 V has to be accuracy-fired/ the sight has to be set newly.

3.2.8.2 Replacement of cover

- ⇒ Use a screwdriver to lift off the cover (Fig. 69/1), inserting the screwdriver into one edge so the cover is separated from the carrying handle.
- ⇒ Lift cover off the optical sight altogether and take it off.

Assembly

- ⇒ Install a new cover onto the optical sight. (Pay attention to the assembly position).
- ⇒ Press cover against carrying handle until it is even.

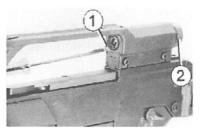


Fig. 69 Replacement of cover

3.2.8.3 Replacement of the optical sight

- ⇒ Carry out a security check.
- ⇒ Take off cover as stipulated under Item 3.2.8.2.
- ⇒ Take off the rubber eyepiece (Fig. 70/2) that is at the rear of the carrying handle.
- ⇒ Remove spring ring (Fig. 70/1) using the circlip pliers.
- ⇒ Take off the washer and the sealing ring.
- ⇒ Undo the setting screws (Fig. 71/1 and 2) with an Allen wrench (3 mm).
- ⇒ Remove the spring (countersupport for setting screws).
- ⇒ Remove the optical sight to the rear and withdraw the second sealing ring forwards.

Assembly

⇒ Introduce the optical sight from the rear, with the recesses for the adjusting screws forwards, as far as it will go into the housing.

In this process, the grooved setting pin in the upper support (Fig. 72/1) has to engage in the recess at the rear of the optical sight.

- ⇒ From the front, introduce the sealing ring and washer and secure the optical sight using the spring ring.
- ⇒ Insert spring (Fig. 72/2) into the forward bottom left part of the carrying handle.
- ⇒ Tighten the setting screws until the spring is kept in position.
- ⇒ Align the optical sight approximately centrally in the forward part.
- ⇒ Press cover onto optical sight.
- ⇒ Press rubber eyepiece onto optical sight.
- ⇒ Carry out a new sight setting/accuracy-firing operation on the G36 V.



Fig. 70 Replacement of the optical sight

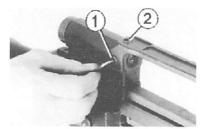


Fig. 71 Undo the adjusting screws

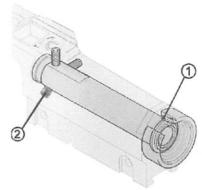


Fig. 72 Assembly of the optical sight

3.2.8.4 Inspection of the proper locking of the carrying handle

 \Rightarrow Use torque screw driver to check proper fastening of the 3 locking screws (torque = 250 Ncm).



Fig. 73 Checking the locking screws

3.3 Tests

3.3.1 Tests after repair

Before the G36 V is handed over to its user after repair, it is to be checked for proper functioning and completeness:

Among others, the following are to be checked:

- That the documents accompanying it are complete.
- Integrity of the G36 V.
- Integrity, completeness and condition of the accessories (unserviceable and missing components have to be replaced).
- Functioning of all subassemblies, their secure seat and cleanliness.
- · Proper setting.

Especially the functioning of the following should be checked:

- Bolt chatch
- Loading process
- Safety
- Trigger mechanism

CAUTION

During all checks, the safety precautions are to be taken into account, i.e. the barrel muzzle has to point upwards and the barrel has to be clear.

3.4 Works in case of temporary storage of up to 12 months.

Automatic Rifles G36 V not in use have to be cleaned, preserved with weapons oil S-761 and stored at the armoury in accordance with guidelines.

Once a week they have to be checked for completeness, integrity, rust formation and preservation. Defects have to be corrected immediately.

The Automatic Rifles G36 V have to be checked for condition, smooth running and functioning as well as to be re-oiled in intervals of 6 months.

3.5 List of maintenance echelons for the material

3.5.1 General

The following chart shows the preservation, maintenance and repair works on the G36 V Automatic Rille in maintenance echelons 2 to 4. It is subdivided acc. to the groups of weapon distribution plan.

The "MES" column shows at what maintenance echelon the corresponding work is to be carried out.

This chart is intended for instruction of the personnel responsible for training and service supervision as well as for instruction of technical service personnel.

Weapon preservation works that are not shown in the Chart have to be carried out at the corresponding maintenance echelon.

Maintenance Units that carry out works at higher maintenance echelons will support those units that carry out works at lower maintenance echelons.

This means that a maintenance operation assigned to a maintenance echelon in the MES column also has to be carried out at higher maintenance echelons if required.

- MES 2 Troop repair/modification of material
- MES 3 Field repair/modification of military material
- MES 4 Depot repair/repair of general subassemblies, modifications of military material (In military depot facilities or in the industry)

INSTRUCTION

Activities marked * in the column showing items of work are not included in that item. If the implementation of another activity is a prerequisite for the work, and it is included in that Item, the Item is marked with the word "including".

3.5.2 Items of work, material Maintenance Echelons

Items of work	MES
Automatic Rifle G36 V, compl., G36 KV, compl.,	
Sight setting/Accuracy firing of the G36 V	2
Check of the loading and unloading process	2
Check of gap between bolt head/bolt head carrier	2
Check of trigger pull	2
Inspections to be carried out in case of stoppages not ammunition- related	2
Receiver with barrel and attachment components	
Replacement of flash hider	2
Gas piston, compl.	
Replacement of gas piston, compl.	2
* Handguard disassembled	
Check state of the gas piston	2
Includes: Gas piston complete disassembled	
Replacement of push rod, compl.	2
* Handguard disassembled	
Replacement of leaf spring	
* Pistol grip disassembled	2
Replacement of magazine catch	_
* Pistol grip disassembled	2
Replacement of magazine well	2
_	
Barrel, compl.	
Cleaning of barrel and cartridge chamber	2
Check of barrel wear	2
Check of barrel locking	2
Replacement of barrel, compl.	4
Replacement of spring ring	2
* Handguard disassembled	
Replacement of rifle grenade guide with bayonet mount	4
Replacement of gas block	4
Replacement of barrel nut	4
Replacement of barrel	4
Cleaning of gas block bore	4
Bolt assembly	
Check of firing pin protrusion	2
* Bolt disassembled	
Bolt head, compl.	
Replacement of bolt head, compl.	2
* Bolt assembly disassembled	
Replacement of extractor claw	2
* Bolt assembly disassembled	_
Replacement of rubber bolt	2
* Bolt assembly disassembled	_
Replacement of extractor spring	2
* Bolt assembly disassembled	_
Doit assembly disassembled	

Replacement of ejector Bolt assembly disassembled Replacement of ejector spring Bolt assembly disassembled Replacement of ejector spring Bolt assembly disassembled Replacement of bolt head Replacement of control bolt Bolt head carrier, compl. Replacement of bolt head carrier, compl. Replacement of bolt head carrier Replacement of control bolt Replacement of torked piece Bolt assembly disassembled Replacement of forked piece Bolt assembly disassembled Replacement of cocking lever Bolt assembly disassembled Replacement of locking pin Bolt assembly disassembled Replacement of firing pin Bolt assembly disassembled Replacement of pistol grip, compl. Replacement of pistol grip, compl. Replacement of pistol grip, compl. Replacement of catch Pistol grip disassembled Replacement of catch Pistol grip disassembled Replacement of hammer springs Pistol grip disassembled Replacement of hammer springs Pistol grip disassembled Replacement of hammer springs Pistol grip disassembled Replacement of trigger Pistol grip disassembled Replacement of compression springs Pistol grip disassembled	Items of work	MES
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Replacement of compression springs * Pistol grip disassembled Replacement of sear * Pistol grip disassembled Replacement of slide * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs 3 3 3 3 3 3 3 3 3 3 3 3 3	Replacement of trigger springs	3
Replacement of compression springs * Pistol grip disassembled Replacement of sear * Pistol grip disassembled Replacement of slide * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs 3 3 3 3 3 3 3 3 3 3 3 3 3	* Pistol grip disassembled	
* Pistol grip disassembled Replacement of sear * Pistol grip disassembled Replacement of slide * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs		3
Replacement of sear * Pistol grip disassembled Replacement of slide * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs		
* Pistol grip disassembled Replacement of slide 3 * Pistol grip disassembled Replacement of catch 3 * Pistol grip disassembled Replacement of catch disc 3 * Pistol grip disassembled Replacement of compression springs 3	<u> </u>	3
Replacement of slide * Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs 3 3		
* Pistol grip disassembled Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs 3		3
Replacement of catch * Pistol grip disassembled Replacement of catch disc * Pistol grip disassembled Replacement of compression springs 3 3		
* Pistol grip disassembled Replacement of catch disc 3 * Pistol grip disassembled Replacement of compression springs 3		3
Replacement of catch disc 3 * Pistol grip disassembled Replacement of compression springs 3		
* Pistol grip disassembled Replacement of compression springs 3		3
Replacement of compression springs 3	·	
· · · · · · · · · · · · · · · · · · ·		3
	* Pistol grip disassembled	

Items of work	MES
Replacement of safety catch	3
* Pistol grip disassembled	
Replacement of pistol grip	4
Replacement of cover	3
* Pistol grip disassembled	
Replacement of safety lever axle	3
* Pistol grip disassembled	1
Backplate with recoil spring	
Replacement of backplate with recoil spring	2
Backplate, compl.	
Replacement of locking pin	2
Replacement of compression spring	2
Replacement of buttstock	2
Handguard, compl.	
Replacement of eyebolt	2
Replacement of handguard	2
Replacement of leaf spring	2
Carrying handle with optical sight	
Check of locking screws	2
Replacement of carrying handle with optical sight	2
Includes: Sightsetting of Rifle G36 V	
Replacement of carrying handle	3
Replacement of adjusting screw	3
Replacement of optical sight	3
Includes: Sightsetting of Rifle G36 V	
Repair of the optical sight	3
Repair of rubber eyepiece	2
Replacement of compression spring	3
Replacement of cover	2
Magazine	†
Replacement of magazine	2
Replacement of follower spring	2
Replacement of follower	2
Replacement of magazine floor plate	2
Carrying sling	
Replacement of carrying sling	
Blank firing attachment	
Replacement of blank firing attachment	2
Repair of blank firing attachment	4
Replacement of spring bolt	2
Accessories	
Replace unserviceable or missing components	2
Special-purpose tools, measuring and testing equipment	
Check of stores	2

3.6 Setting

3.6.1 Accuracy firing

The optical sight has to be set by means of accuracy firing.

INSTRUCTION

The barrel must not be supported during accuracy firing. Only the handguard may be supported.

3.6.2 Sight setting

INSTRUCTION

Setting works may on principle only be carried out by maintenance and repair personnel

3.6.2.1 **General**

If the G36 V does not meet accuracy-firing requirements in one case, the optical sight is to be adjusted by adjustment of the setting screws.

Other corrections may be carried out by replacement of the subassemblies:

- Barrel, complete and
- Carrying handle with optical sight.

3.6.2.2 Setting of the optical sight

Sight setting will be carried out at a distance of 200 m.

At a distance of 100 m (Accuracy firing distance), this setting will result in a point of impact approx. 4 cm higher.

Distance: 100 m Sight mark: 200 m

Sighting-in target

Height: 1

170 cm

120 cm

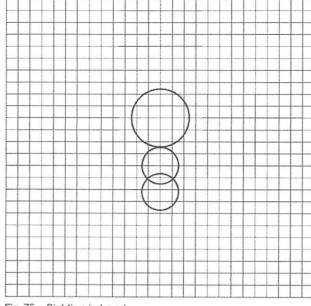


Fig. 75 Sighting-in target

Elevation adjustment

With high shots, turn the upper adjusting screw (Fig. 76/1) to the left counterclockwise.

With low shots, turn the upper adjusting screw to the right clockwise.

INSTRUCTION

A shift by one mark will shift the point of impact by approx. 2.3 cm at a distance of 100 m (Adjustment range: Max. 8 marks)

Windage adjustment

With right shots, turn the adjusting screw (Fig. 76/2) to the left counterclockwise.

With left shots, turn the upper adjusting screw to the right clockwise.

INSTRUCTION

A shift by one mark will shift the point of impact by approx. 2.3 cm at a distance of 100 m (Adjustment range: Max. 8 marks)

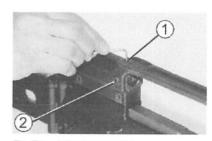


Fig. 76 Adjusting screws

LK

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