

RSEnterprises

Performance Airguns

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Tear-down Guide v.3.0

Daisy/Winchester 1000 (Turkish)

By: R. Sauer

See also [Tuning Guide](#)
[Daisy/Winchester 1000 trigger \(Turkish\)](#)



Turkish Daisy 1000S

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Daisy/Winchester 1000 trigger tuning services are
available at

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Introduction

Warning:

The following procedures pose a serious health risk and may cause damage to your airgun if not performed properly. Always pay attention and observe safe gun handling.

**MOST REPLACEMENT PARTS ARE NOT AVAILABLE FROM THE
MANUFACTURER, PROCEED AT YOUR OWN RISK!**

Objective:

Provide a detailed guide on how to dismantle the Daisy / Winchester 1000 series of airguns.

Legend:

Red areas indicate an area that is important.

Red lines either indicate measurements or illustrate a location.

Tools and required parts:

Phillips (cross head) screwdriver (large and small)

Large flat blade screwdriver

Small punch

Spring compressor

Notes on the Daisy / Winchester 1000 series

Introduction:

This line of rifles can be a bit confusing since it has been produced by two manufacturers, sold by at least three different brands, and sold as several different models under each brand. I will use this section to attempt to clarify the various models and brands that this guide covers.

Manufacturers:

This line of rifles has been manufactured in two different countries Brazil and Turkey. Early versions of these rifles were built in Brazil and featured a very stiff and non-adjustable trigger. Velocity rarely met the advertised figures of 1,000 fps and typically hovered around 800 fps.

Later versions were produced in Turkey and featured an improved trigger that was lighter than the version from Brazil. Notice I said "lighter" and not light. Although the Turkish trigger is an improvement, it is far from acceptable out of the box. The Turkish guns will normally produce between 900-1,000 fps velocities in stock form.

The easiest way to determine which version you own is to examine the trigger blade. If there is an adjustment screw present on the blade, your gun is Turkish.

Brands:

Hatsan, Daisy, and Winchester are the only brands this airgun has been sold under to my knowledge. Hatsan is the Turkish manufacturer while Daisy and Winchester simply purchase the guns and package them as they see fit. Hatsan is rarely available in the United States due to the lack of a reliable distributor and they do not seem interested in changing this. I suspect it may have something to do with an agreement between Hatsan and Daisy / Winchester.

Models:

Hatsan

Model 60

Daisy / Winchester

1000S - synthetic stock, Powerline 3-9x32 scope, produced in Brazil or Turkey

1000SB - synthetic stock, no-name 4x32 AO scope, more recent version of the Turkish 1000S

1000XS - wood stock, Powerline 3-9x32 or no-name 4x32 scope depending on when purchased, same action as the Turkish S and SB models

- A. Barrel
- B. Breach block
- C. Cocking link
- D. Pivot screw (barrel)
- E. Pivot set screw
- F. Breach block shims
- G. Receiver
- H. Trigger group
- I. Trigger group / guide screw
- J. Upper sear pin
- K. Piston (**see note below**)
- L. Piston seal
- M. Top hat
- N. Mainspring
- O. Mainspring bearing washers
- P. Nut (trigger group / guide screw)
- Q. Safety rack
- R. Mainspring guide
- S. Guide retaining pin
- T. Safety rack screw

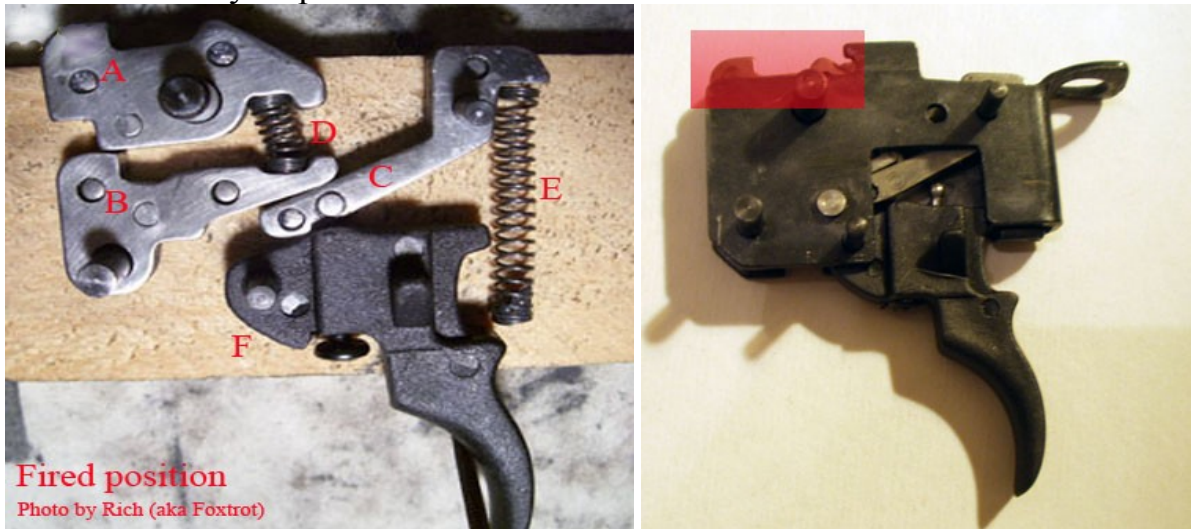
Note on revised piston: On some versions, a stamped steel piston may be present rather than the machined version pictured in this guide. This does not effect any procedures contained within the guide.

Disassembly

1. Remove 3 stock screws, 2 in forestock and 1 at rear of trigger guard (not shown)
2. Remove trigger group / guide screw **I**
3. Remove safety rack screw **T**
4. Remove upper sear pin **J**. Hold gun right side up while removing this pin.
5. Slide trigger group **H** rearward and carefully remove from receiver **G**. Note that the upper sear and upper sear screw are loose at this point. Do not lose these pieces.
6. Install action in spring compressor, relieve pressure from guide retaining pin **S**, and remove pin before removing mainspring guide **R**. Do not lose the nut (trigger group / guide screw **P**
7. Remove mainspring **N** and top hat **M**
8. Remove pivot set screw **E** and pivot screw **D**
9. Remove barrel **A** by pivoting it downwards. With barrel free from the receiver, slide cocking link **C** out of the receiver
10. Remove piston **K** from the receiver **G**

Assembly

1. Perform disassembly steps 10-6 in reverse
2. Rest upper sear **A** below and upper sear spring **D** below in place (see illustration below for clarification)
3. With both the receiver **G** and trigger group **H** horizontal, install the trigger group.
4. Insert the upper sear pin **J** once the trigger group **H** is in place.
5. Perform disassembly steps 3-1 in reverse



Daisy 1000 trigger detail / Daisy 1000 upper sear detail

Note concerning steps 2-4: The following notes outline an optional method used to retain the upper sear during assembly. This method replaces the upper sear pin **J** during assembly.

Provided by Rich (aka Foxtrot)

A trick to putting the trigger back into the rifle, is to cut 3/8's in an inch off the shank end of a 3/16's drill bit. Just use the stub of the drill bit to assemble the trigger and Then install it into the rifle. Just push the short stub out with the long pin.

Improvements

Lubrication:



Daisy 1000 lubrication

Red indicates lubricant

Blue indicates thread lock

B. Lubricate latch at rear of breach block with a thin coat of moly paste

F. Lubricate both sides of the breach block shims with a thin coat of moly paste

G. Lubricate the inner walls of the receiver with a very thin coat of moly paste

K. Lubricate the piston with a thin coat of moly paste in the following areas

1. Behind the piston seal
2. The cocking link ring (second from rear)
3. Sear catch ring (rear of piston)
4. Inside surfaces that contact the mainspring

M. Lubricate all surfaces of the top hat with a thin coat of moly paste

O. Lubricate both sides of the mainspring bearing washers with a thin coat of moly paste

Note: Secure all stock screws before assembly using the medium (blue) Lock-tite

Modifications:

Mainspring guide:

One area that should be focused on for improvement is the fit between the mainspring and guide. A loose fit here will result in excessive spring noise during firing. It is in your best interest to modify the guide so that it fits snugly within the mainspring. Some have seen good results using a thick grease like [JM's spring tar](#) in this area but I prefer to modify the guide itself as it is a more permanent solution.

Breach seal:

A recent change by the manufacturer has been the replacement of the conventional rubber o-ring breach seal with a plastic piece. This new piece does not seal as well and will eventually fail resulting in lower velocities. Because of the thickness of this seal, stacking of 2 replacement seals will be required to obtain the correct final dimensions. Number 83 o-rings, available at most home improvement stores can be used. I prefer a comparable buna rubber, square cut seal available through McMaster-Carr.



#83 Replacement



Stock plastic seal

Synthetic stock:

Another area that needs to be addressed is the hollow synthetic stock found on the 1000S and 1000SB. Because this stock is hollow, it resonates and amplifies the sound of the action firing. Filling the stock with expanding foam is a good way to reduce this issue. To do this, remove the stock from the gun and drill a 1/4 inch hole from inside the stock where the spring guide would normally be located. Insert the straw from a can of medium expanding foam in this hole and slowly fill the stock. Allow plenty of time for the foam to cure and be sure to allow the foam to dry fully before trying to remove the excess.

Another issue with the plastic stock is the fact that it scratches very easily. I have found that spraying a light coat of bedliner on the stock prevents this while also providing a better surface for gripping. If the coats are kept thin, the checkering will still be visible. Spray on bedliner is available at most auto parts stores under the brand name Dupli-Color.

Muzzle break:

Many people don't have the need for open sights on their gun and wish to do away with them when they mount a scope. Removing the front sight leaves behind a roughly machined area that detracts from the gun's appearance. This area can be concealed by a muzzle break which, in addition to concealing the machining, also provides a strong grip during cocking. [Gamo](#) sells a plastic break that presses on this barrel for a perfect fit.