

# Model 700

The Model 700 was introduced in 1962 and is still in production at the present time. This rifle has the reputation of being the most accurate out of the box rifle on the market. The Model 700 is a bolt action push feed rifle.

The Model 700 was conceived in the late 50's and was on the market in 1962. It quickly became the standard for production firearms. We were the first to do production guns in an assembly line. Prior to this all guns were done one at a time by hand.

Prior to the introduction of the Model 700 we had several bolt action guns. The Model 600, 660, and the 625 were the predecessors. These were all very accurate and reliable, but the Model 700 was designed to be better, faster, and easier to make.

The Model 700 was used as a sniper rifle in the Vietnam War.

The Model 700 has several designations including: The ADL, BDL, BDL-DM, VS, MTN, Sendero, Classic and Euro. The ADL-BDL designations were originally acronyms for A Grade Deluxe and B Grade Deluxe designating the grade of wood. The deluxe term was once tacked on to the end of the model designation: Model 700 ADL Deluxe and Model 700 BDL Custom Deluxe. This designation refers to the grade of wood.

Both models use similar barreled actions, which feature the strongest actions made featuring the legendary "3 Rings of Steel", exceptionally crisp triggers and 3.0 millisecond lock times. However, the Model 700 BDL is fit with a hinged floor plate or detachable magazine (DM) that allows the shooter to unload ammunition through the bottom of the rifle by opening the floor plate or removing the magazine. The Model 700 ADL uses a blind magazine and can only be unloaded through the top by working the bolt open and closed.

Both models are offered in a variety of styles, calibers and options to meet individual needs, preferences, and hunting conditions. The Model 700 ADL is available with wood or synthetic stocks and carbon-steel barreled actions. Also available is a Model 700 ADL Synthetic Youth. The Model 700 BDL is available with American Walnut, synthetic or laminated-hardwood stocks, carbon or stainless-steel barreled actions, and mirror-image left-hand versions in the Model 700 BDL and Model 700 LSS models.

We started production of the Model 700 BDL DM in 1993. We do not make the DM in the ultra mag calibers due to the dimensions of the shell will not allow it to fit in our current magazines will not fit. The only exception to this currently is the African Big Game Rifle available only through the custom shop. This is a completely different system. It is a single stack magazine.

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Only the Model 700 VS, Model 700 Sendero and most Custom Shop rifles are factory free-floated. Other Model 700 models and Model Seven models, including the Model 700 VLS, feature a pressure point near the tip of the fore-end of the stock. The pressure point (located inside the fore end of the stock) is a design feature. People should not sand them down. They can ruin the accuracy of their firearm. (If they do this and ruin the stock, it is NOT covered by warranty).

Since 1981 Remington has offered the Model 700 Limited Edition "Classic" in a different caliber each year.

The model 700 Classic originated in 1978, sixteen years after the grand conception of the Model 700 (1962). Introductory chamberings, included:

- 22-250 Remington
- 243 Win.
- 6mm Remington (1978-1983)
- 7mm Remington Mag.
- 270 Win.
- 30-06 Springfield

Three years later in 1981, the Model 700 Classic was designated annually as a Limited Edition in a single select, classic caliber. The six original calibers remained a part of the standard product line until 1985.

Year of Manufacture	Model Number	Caliber
1978-1985	Various	22-250 Remington 243 Win. 6mm Remington 7mm Remington Mag. 270 Win. 30-06 Springfield
1981	5758	7x57mm Mauser
1982	5850	257 Roberts (24" barrel)
1983	5848	300 H&H
1984	5754	250 Savage
1985	5756	390 Remington Mag.
1986	5898	264 Win. Mag.
1987	5899	338 Win. Mag.
1988	5901	35 Whelen
1989	5903	300 Wby. Mag.
1990	5907	25-06 Remington
1991	5909	7mm Weatherby
1992	5913	220 Swift
1993	5852	222 Remington
1994	5759	6.5x55mm Swedish
1995	5875	300 Win. Mag.
1996	5877	375 H&H Mag.
1997	5873	.280 Remington

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1998	5876	8mm Remington Mag. (with sights)	*****
1999	5871	17 Remington	*****
2000	6344	223 Remington	*****
2001	6342	7mm-08 Remington	*****
2002	6348	221 Remington Fireball	*****
2003	5869	300 Savage	*****
2004	6352	8mm Mauser (8x57mm S)	*****
2005	7777	Find out January 1, 2005!	*****

Model 700 ADL can be converted to the BDL with hinged floorplate style but not to a detachable magazine. Dimensions of the detachable magazine receivers are different and key parts are not interchangeable. Please contact your local Remington authorized repair center or parts distributor for pricing information. To perform the conversion to a hinged floorplate you will need the following parts:

BDL style stock  
Trigger guard  
Trigger guard Screws  
Magazine box  
Magazine spring  
Mag. Follower

Remington Arms Co., sells only complete firearms. We do not offer actions only, or barreled actions at the current time.

NEVER remove the trigger mechanism, or make adjustments to the trigger or trigger assembly. This can put your firearm in an unsafe condition. All adjustments to the trigger must be made by the FACTORY OR A REMINGTON AUTHORIZED REPAIR CENTER.

Remington makes synthetic stocks that will fit most right hand Model 700 rifles. It is a simple change that can be made with no special skills and with common household tools.

When ordering a replacement stock, it will need to be for the same type (ADL, BDL, BDL-DM, Mtn, Varmint, Sendero) and same action (short action, long action, long action magnum).

Standard production Model 700 rifles utilize a hammer forged rifled barrel. A mandrel for rifling is inserted in the barrel bore and imprints the rifling. Custom Shop Rifles are button rifled.

The differences between the Model 700 Sendero and the Model 700 Varmint is that the Sendero is available in long action calibers and the Varmint is available in short action calibers. Both have a synthetic stock which houses a full-length aluminum bedding block that leaves the barrel completely free-floating. This is a huge selling feature. This is only available in some synthetic stocks. You cannot have an aluminum bedding block in a wood stock. The purpose of the aluminum bedding block is to stabilize the barrel. For the wood stocks, people can bed their stocks using fiberglass, epoxy, or other material. (This will void their warrant on the stock) The Sendero and the VSSF have fluting on the barrel. This cools the barrel faster and makes for better heat dispersion making the barrel more rigid than a barrel of the same weight that has not flutes.

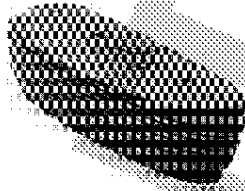
The front and rear sights can be removed from the Model 700. They are attached to the barrel by two screws each. Once removed, the holes from these can be plugged with the receiver plug screws, located on the top of the receiver. As of 2004 the front sight is brazed to the barrel.

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Recoil pads for the Model 700 are not fitted they are flat. Butt plates for the Model 700 are fitted. Recoil pads must be cut to fit the stock (wooden stocks). We do not recommend that consumers attempt this work themselves, we recommend an RARC or competent gunsmith to perform this service. (If they mess up their stock during this process it is not covered by warranty.) (Fitting a recoil pad voids the warranty on the stock only, not the entire firearm) If a gun is a magnum, it gets a recoil pad. Standard long action or short actions get a butt plate.

### Remington® R3™ Recoil Pad 2003

Finally, there's a recoil pad that truly tames the hard-recoiling "punch" of today's high-powered magnum rifles and shotguns. In fact, our new Remington R3 Recoil Pad is so effective that it relieves recoil **over 30% better** than conventional recoil pads.



Utilizing a 3-step process designed by LimbSaver™, the Remington R3 allows for faster target acquisition during multiple follow-up shots.

#### Step 1. ABSORBS vibration.

The R3 is constructed from Limbsaver's™ proprietary NAVCOM™ (Noise And Vibration Control Material) to **ABSORB** shock and reduce vibration.

#### Step 2. REDIRECTS energy.

Specially designed internal "mushrooms" **REDIRECT** the recoil energy outward instead of straight back into the shooter's shoulder.

#### Step 3. COMPRESSES under recoil.

Internal air chambers allow the pad to **COMPRESS** under recoil, acting as a shock absorber. This turns the "punch" of recoil into a "push".

Simply put, less felt recoil equals more comfortable, more enjoyable shooting on the range and in the field.

Fits most **Remington synthetic stocks** for the following models:

Model	Model
Model 700 ADL	Model 870 (12 & 16-ga)
Model 700 BDL	Model 1100 (12 & 16-ga)
Model 700 LV SF	Model 11-87
Model 700 ML	Model SP-10
Model 710	
Model 7600	

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## Model 700 Parts & other misc. facts:

The main parts of the Model 700:

Stock  
Trigger  
Bolt Assembly  
Receiver  
Barrel

Receiver: Long action receivers are physically longer to accommodate longer cartridges. The recoil lug is listed as the barrel bracket on the parts list.

3 Rings of Steel: The Model 700 was the first rifle ever to have the 3 rings of steel, this is the portion of the firearm that the receiver, barrel, and the bolt are all lined up to form 3 rings of steel. This is for strength. Most of the pressure generated from the round is contained in this area.

Barrel: Hammer forged on standard production rifles. Blued barrels are ordnance grade carbon steel. Stainless Steel barrels are made from 416 stainless ordnance grade steel. Stainless bbls do have some carbon content for extra strength.

All guns with standard barrels (not heavy) blued, we put front and rear sights on. We do not put sights on the stainless steel barrels.

Rate of twist: the rate at which a bullet makes one complete revolution in the bore. A faster rate of twist is for heavier bullets, a slower for lighter bullets. Our rates of twist are made to stabilize any bullet in that caliber load- (This is not necessarily true for hand loads).

Extractor: Device for withdrawing the cartridge or fired case from the chamber.

Ejector: Eject the cartridge or fired case from the firearm.

Normally we suggest that they get a gunsmith to put extractors on or they will break them (unless they are familiar with this process). The magnum extractors need to be installed by a gunsmith because of the tooling that has to be done to rivet it.

Guns with riveted extractors in small non magnum calibers are old. Consumers can get parts from Jack First (he can also install these parts) they can change from a riveted to a non riveted extractor with a new bolt assembly. This process would modernize the firearm.

Extractor Types:

Extractor Heavy (thicker) Rivetless: Current short and long calibers are rivetless.  
Extractor Rivetless LA: works on all long action 700's and 7400's.  
Extractor Riveted: Magnum calibers still use riveted extractors. ie: ultra mag calibers.

Bolt: The bolt consists of:

Bolt body  
Firing pin assembly  
Bolt handle  
Jeweling (available on some models lazer etched on) (design on the bolt)  
Last 4 numbers of the serial number (will match from the receiver)  
**Bolt assemblies are restricted and are factory installed only!**

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Safety: Our safety is a positive click safety. (We will not make it quieter!!) This is to ensure that you know that you have taken your firearm off of safety.

Trigger Assembly: All of the parts in the trigger assembly are restricted. We do not recommend any adjustments to the trigger screws. This will void the warranty on the trigger and can put the firearm in an unsafe condition. Factory specifications at the current time are no less than 4 ½ pounds (we will not go lighter due to liability issues)

Trigger Guard Screws: The ADL version has front, rear, and center guard screws. All other Model 700's have only front and rear trigger guard screws. Trigger guard screws on synthetic and wood are tightened to a hand tight fit (approximately 10-15 inch lbs). VS and Sendero trigger guard screws are tightened to no more than 45 inch pounds. Police trigger guard screws are to be tightened to no more than 45 inch pounds. Too much will crack the stock.

Reinforcement Screws: This screw helps with the strength of the stock, it keeps it from splitting. Long action and long action mags have 2, short action has 1. It will look like a black dot on the stock.

Recoil Lug: The recoil lug helps to direct the recoil into the stock, which lessens the amount of felt recoil. The lug is located in the barreled action.

Stocks: Stocks come with a butt plate or recoil pad on magnums and grip cap. Grip cap and fore end tip are epoxied on. Our free floated stocks do not have pressure points. Free floated stocks include Sendero & VS.

700 Mountain stocks will interchange with the Titanium rifle.

Stocks that have cheek pieces:  
ADL (wood and synthetic)  
BDL (wood and synthetic)  
Mountain  
LSS

Stocks that do not have cheek pieces:  
Classic  
Sendero  
Varmint  
Police  
Etronx  
Model 7 SS

There are 2 types of Varmint stocks.  
Synthetic: aramid fiber (free floated)  
Laminate wood: satin finish (pressure points)  
(Laminate wood is the strongest stock made and is impervious to weather)

\*We have made walnut stocks for Varmint, this has been discontinued. (had pressure points)

Recoil pads on varmint and Sendero are epoxied on. Consumers must take to a gunsmith to remove and replace. Remington does not perform this service.

Even older stocks 30 or 40 years old, you may notice that the recoil pad may look slightly smaller than the stock. This is where the wood has swollen, this is normal.

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All custom shop wooden stocks are glass bedded by hand. They are truly free floated. Synthetic guns are glass (fiberglass) bedded too.

Synthetic 40 X's are aluminum bedded.

Swivel Studs: We make the swivel studs for our synthetic and wood stocks. If the consumer has a stock (this would be synthetic) manufactured by HS Precision. They will need to contact HS for the swivels.

Butt plates & recoil pads: All must be sanded to fit. Recoil pads are flat; butt plates are concave in order to interchange, the stock has to be altered. If there are 4 screws in the butt plate and the consumer wants another one like it they will have to contact an obsolete parts dealer, the new butt plates will work on older models. Sendero and Varmint butt plates are glued on.

Sights: The front sight including screws has 4 pieces; base, front sight, and 2 screws. The front sight is dovetailed in. This must be tapped out to the side to remove. Sometimes it will have a 5<sup>th</sup> piece, which is the hood. The back sight has 5 pieces: base, slide, and aperture, & 2 screws (windage and elevation) We do not sell stainless steel sights. On the parts list if says bright, this means unfinished. The sight would have to be brased on and then finished (the brazing process can hurt the finish on the sight.).

### **Model 700 misc.**

We do not sell barrels, complete bolts, or actions. This is factory only! (We did a special one time sale to Brownells Fall of 2003 of just a few sku's)

New Model 700 with the ISS system. When the bolt is locked in engagement do not use the ISS system. This will cause the firing pin to bind and jam. Will have to be sent in to the factory for repair.

Every receiver is cut from a single block of steel. We are the only manufacturer that does this.

You cannot change from the new style ISS system on a firearm to one that does not have it. The sear engagement is not the same and this would be dangerous.

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