

LIGHTNING DISASSEMBLING RE-ASSEMBLING THE RIFLE

PARTIAL DISASSEMBLY OF THE LIGHTNING RIFLE FOR CLEANING

There is a need to occasionally disassemble the Lightning rifle action for cleaning. Especially if light loads are being used such as in cowboy competitions.

To lessen the need for cleaning the action you should always use ammunition that is loaded to produce enough chamber pressure to expand the case properly and seal the chamber. This will minimize chamber fouling.

If your fired cartridge cases are smoky or black partially or all the way down the side of the case then your load is not strong enough to seal the case against the chamber walls.

A proper load should only have a slight smoky look around the mouth of the case and back no more than about ¼ inch.

We understand that for cowboy competitions, it is popular to use very light loads to lessen the recoil and speed up the target acquisition, so we offer these instructions on how to disassemble the Pedersoli Lightning rifle far enough to clean the action and keep it working smoothly.

NOTE.... The .357 caliber guns have some parts differences so read everything before starting work !

DISSASEMBLY

Begin by removing the butt stock. (one long screw #1 through the top tang), you do not need to remove the forearm wood unless you are planning on using powerful cleaners that might damage the finish of the wood.

Next you need to remove the magazine tube (#15) (one screw through the magazine tube found under the muzzle of the barrel) The magazine spring (#14) is under a little pressure so make sure you hold on to the magazine tube and hold it tight to the barrel as you remove the screw (#13). Once you have the screw out you can set it aside and lift the magazine tube away from the barrel and the magazine tube cap (#12), spring (#14) and follower (#17) can be slid out of the magazine tube. The cap may spring out when the magazine tube clears the stud (#10) that the screw fits into, so be ready to catch it. According to the barrel's length and your country's laws, the magazine tube can be equipped with a cartridge limiting device (#16) that has also to be pulled out if it is present in your rifle.

The magazine tube is often fitted fairly snugly in the action frame. The easy way to remove the magazine tube if it is tight is to pull it down away from the barrel enough to clear the stud (#10) that holds it in place, and stick a screwdriver through the screw hole and pry against the stud (#10) to pull it loose.. Once it is loose you can just slide it right out.

The .357 caliber rifles also have a short sleeve (#65) that fits into the rear of the magazine tube, and it is often left in the action and needs to be lifted out before it drops and is lost on the floor.

Now you can remove the lower tang assembly (#50). This assembly goes all the way from the lower tang, and includes the trigger guard, and out through and including the forearm slide (#35) and the cartridge feeding group (#36a)

To remove this assembly you need to take two screws out of the lower rear part of the receiver. (one on each side) then open the action all the way to the rear to cock the hammer, and close the action about half way so the cartridge lifter drops back down into the bottom of the action, and the whole assembly can be pulled down and forward out of the receiver.

Occasionally the assembly will not slip right out, and will need to be bumped a little on the rear of the lower tang to jar it loose.

A common problem at this point is if the lifter is not down in the action far enough it will try to slide up into the chamber as the assembly slides forward, which will make removal of the assembly pretty much impossible.

If this happens just push the assembly back into place and push down on the lifter inside the action until it clears the front of the action as it moves forward.

Hold the gun, with one hand holding the forend (#37) the other on the back of the trigger plate (#50) paying attention that the upper side of the frame (#2) where the cases are ejected, is towards your body. Gradually move the forend (#37) towards the frame (#2) while pushing the trigger plate (#50) towards the barrel with the other hand, pulling on the assembly so as to disassemble it.

The lower assembly should not be disassembled any further than this, and can be cleaned easily with some commercial gun scrubber or solvent and compressed to remove all solvents (recommended).

If you want to remove the bolt (#26) and bolt lock (#27) to clean them, you simply slide the bolt to the rear, and then locate the small hole towards the rear of the receiver on the left side that seems to have no special purpose. Slide a small punch into that hole and carefully line up the pin (#31) that attaches the bolt lock to the bolt with this hole and you can push the bolt lock pin (#31) out through the slightly larger hole on the other side of the receiver.

The bolt lock (#27) can then be lifted out of the bottom of the receiver and the bolt (#26) will slide out the rear. There is generally no need to disassemble the bolt further for cleaning.

For cleaning recommend that you spray the parts or soak them in a solvent that will dissolve the dirt and powder fouling seen and then blow it out carefully with compressed air. Spray parts liberally with a good gun oil or a lubricating type penetrant such as "Break Free" or a similar product. Blow the solvent around with the compressed air and reassemble.

REASSEMBLY (in reverse order)

Bolt (#26) first then bolt lock (#27) , and pin (#31) , followed by lower assembly (#50), and etc.

When you reinstall the lower assembly, you need to make sure that the bolt lock fits into the hole in the rear of the forearm slide.

To do this, make sure the hammer (44) is at full cock, and start the assembly into place with the bolt (#26) positioned about half way to the rear and the slide (#35) about half way back, and then rotate the rifle so I can see down into the top of the receiver and locate the hole in the slide. Work the bolt and forearm slide till I you get the bolt lock (#36) lined up with the hole in the slide and slip it all carefully together, and check to make sure the slide will move the bolt in both directions normally before it is pushed together.

You should take care that you do not push the bolt all the way closed until you know for sure that the bolt and slide are lined up properly.

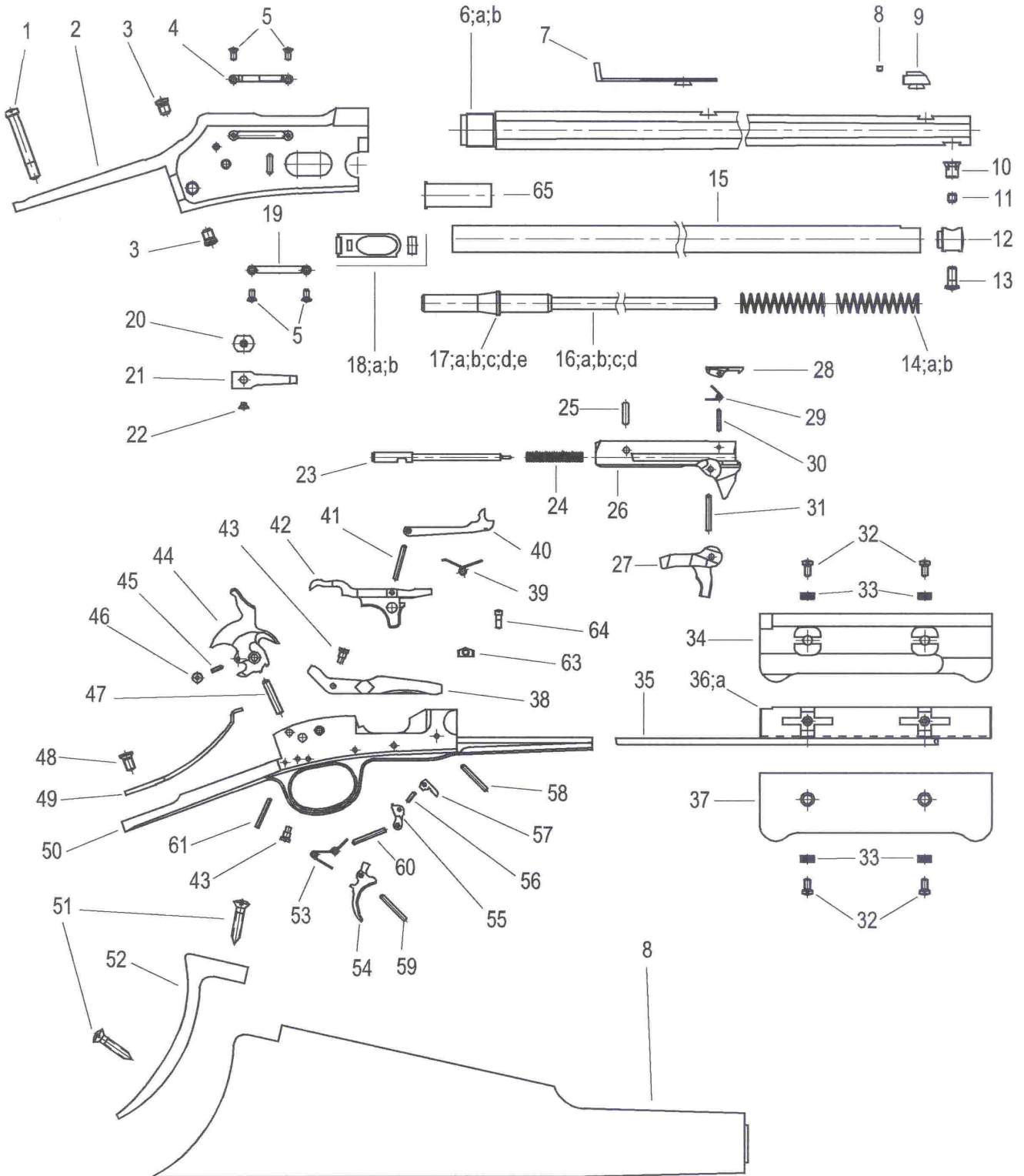
It is possible to push the bolt closed without it being attached to the slide properly, and it will lock the lower assembly into place so that it can not be moved forward to get it out and correct the alignment.

If you do have the situation where the assembly and the bolt and slide are not connected, and the lower assembly will not come back out, then you must reach into the magazine hole in the front of the receiver with a wire (with a 1/8 inch bend at the end of it), and you have to reach through the magazine hole and around the tail hanging from the bottom front of the bolt and hook the bolt lock behind it and push it to the rear to unlock the bolt.

You can then remove the lower assembly far enough to clear the bolt stop and try to assembly the parts again.

Once you have the lower assembly back in and working properly, just install the screws and put the butt stock back on, and replace the magazine tube and components, and the disassembly and re-assembly work is completed.

DP Lightning 20"-24"-26" canna ottagonale .357 Mag
 DP Lightning 20"-24"-26" octagonal barrel .357 Mag
 DP Lightning 20"-24"-26" canon octagonale .357 Mag



1	Italiano	English	Français	Référence
2	Vite coda	Tang screw	Vis queue de culasse	M70TFM5750
3	Bascula	Frame	Bascule	0800002155
4	Vite bascula-sottoguardia	Frame and trigger plate screw	Vis bascule et sous garde	M70TFC5749
5	Piastrina laterale sinistra	Left plate	Plaquette gauche	0800004436
6	Vite piastrine laterali	Plates screws	Vis plaquettes	M70TFC5745
6a	Canna ottagonale 20"	Octagonal barrel 20"	Canon octagonal 20"	0800007079
6b	Canna ottagonale 24"	Octagonal barrel 24"	Canon octagonal 24"	0800007081
7	Canna ottagonale 26"	Octagonal barrel 26"	Canon octagonal 26"	0800007083
8	Tacca di mira	Rear sight	Cran de mire	0800005044
9	Calcio	Stock	Crosse	0800002367
9a	Mirino	Front sight	Guidon	0800003864
10	Grano mirino	Front sight screw	Vis cran de mire	M700ST5802
11	Supporto tappo serbatoio	Magazine plug keeper	Support du bouchon magasin	0800004744
12	Grano supporto tappo serbatoio	Magazine plug keeper dowel	Grain support bouchon magasin	M700ST5760
13	Tappo serbatoio	Magazine plug	Bouchon magasin	0800005015
14	Vite tappo serbatoio	Magazine plug screw	Vis bouchon magasin	M70TFM5752
14a	Molla serbatoio 20"	Magazine spring 20"	Ressort chargeur 20"	0800003862
14b	Molla serbatoio 24"	Magazine spring 24"	Ressort chargeur 24"	0800003861
15	Molla serbatoio 26"	Magazine spring 26"	Ressort chargeur 26"	0800003863
16	Serbatoio	Magazine	Chargeur	0800004748
16a	Limitatore serbatoio 20" (5 cartucce)	Magazine limiting device 20" (5 cartr)	Limiteur du chargeur 20" (5 cart)	0800003186
16b	Limitatore serbatoio 24" (5 cartucce)	Magazine limiting device 24" (5 cartr)	Limiteur du chargeur 24" (5 cart)	0800003187
16c	Limitatore serbatoio 24" (10 cartucce)	Magazine limiting device 24" (10 cartr)	Limiteur du chargeur 24" (10 cart)	0800003188
16d	Limitatore serbatoio 26" (5 cartucce)	Magazine limiting device 26" (5 cartr)	Limiteur du chargeur 26" (5 cart)	0800003189
17	Limitatore serbatoio 26" (10 cartucce)	Magazine limiting device 26" (10 cartr)	Limiteur du chargeur 26" (10 cart)	0800003190
17a	Perno alimentatore serbatoio	Magazine feeder device pin	Pivot alimenteur du chargeur	0800004448
17b	Gruppo limitatore serbatoio 20" (5 cart)	Magazine limiting device group 20" (5 cartr.)	Ensembles limitation du chargeur 20" (5 cart.)	080G003186
17c	Gruppo limitatore serbatoio 24" (5 cart)	Magazine limiting device group 24" (5 cartr.)	Ensembles limitation du chargeur 24" (5 cart.)	080G003187
17d	Gruppo limitatore serbatoio 24" (10 cart)	Magazine limiting device group 24" (10 cartr.)	Ensembles limitation du chargeur 24" (10 cart.)	080G003188
17e	Gruppo limitatore serbatoio 26" (5 cart)	Magazine limiting device group 26" (5 cartr.)	Ensembles limitation du chargeur 20" (5 cart.)	080G003189
18	Gruppo limitatore serbatoio 26" (10 cart)	Magazine limiting device group 26" (10 cartr.)	Ensembles limitation du chargeur 26" (10 cart.)	080G003190
18a	Coperchietto	Magazine gate	Couvercle magasin	0800002371
18b	Supporto coperchietto	Magazine gate keeper	Support du couvercle magasin	0800004759
19	Gruppo coperchietto	Magazine gate group	Ensembles couvercle magasin	080G002371
20	Piastrina laterale destra	Right plate	Plaquette droite	0800004435
21	Rondella molla coperchietto	Magazine gate spring washer	Rondelle ressort couvercle magasin	0800004509
22	Molla coperchietto	Magazine gate spring	Ressort couvercle magasin	0800003840
23	Vite molla coperchietto	Magazine gate spring screw	Vis ressort couvercle magasin	M70TFC5746
24	Percussore	Firing pin	Percuteur	0800004447
25	Molla percussore	Firing pin spring	Ressort percuteur	0800003839
26	Spina fermo percussore	Firing pin catch pin	Goupille arrête percuteur	M70COP5753
27	Otturatore	Bolt	Obturateur	0800004004
28	Blocco chiusura	Bolt breech	Bloc de fermeture	0800002196
29	Estrattore	Extractor	Extracteur	0800003154
30	Molla estrattore	Extractor spring	Ressort extracteur	0800003838
31	Spina estrattore	Extractor pin	Goupille extracteur	M70COP5362
32	Spina blocco chiusura	Bolt breech pin	Goupille bloc fermeture	M70COP5755
33	Vite astine	Forend screw	Vid devant bois	M70TFC5751
34	Ghiera astine	Forend washer	Rondelle devant bois	0800003136
35	Astina sinistra	Left forend	Devant bois gauche	0800002022
36	Asta caricamento	Cartridge feeding shaft	Tige chargement	0800002020
36a	Tubo caricamento	Feeding tube	Tube de chargement	0800005014
37	Gruppo caricamento	Cartridge feeding group	Group chargeur	080G003135
38	Astina destra	Right forend	Devant bois gauche	0800002021
39	Elevatore	Elevator	Elevateur	0800003155
40	Molla recupero leva fermo cartuccia e	Cartridge and rocker arm retaining lever	Ressort levier d'arrête cartouche et basculeur	0800003843

	bilanciere	spring		
41	Leva fermo cartuccia	Cartridge retaining lever	Levier d'arrête cartouche	0800003191
42	Spina bilanciere	Rocker arm pin	Goupille du basculeur	M70COP5758
43	Bilanciere	Rocker arm	Basculeur	0800002197
44	Vite elevatore	Elevator screw	Vis elevateur	M70SPC5748
45	Cane	Hammer	Chien	0800002370
46	Spina rotella cane	Hammer wheel pin	Goupille roulette du chien	M70COP5769
47	Rotella cane	Hammer wheel	Roulette du chien	0800004508
48	Spina cane	Hammer pin	Goupille du chien	M70COP5756
49	Vite molla cane	Mainspring screw	Vis grand ressort	M70TFC5812
50	Molla cane	Mainspring	Ressort du chien	0800003841
51	Sottoguardia	Trigger plate	Sous garde	0800004754
52	Vite calciolo	Butt plate screw	Vis plaque de couche	M70LFM5759
53	Calciolo	Butt plate	Plaque de couche	0800002368
54	Molla leva scatto cane	Sear spring	Levier gachette	0800003842
55	Grilletto	Trigger	Détente	0800003133
56	Leva scatto cane	Sear	Gachette	0800003382
57	Spina leva grilletto	Trigger lever pin	Goupille levier détente	M70COP5754
58	Leva grilletto	Trigger lever	Levier détente	0800003381
59	Spina fermo leva fermo cartuccia	Cartridge retaining lever pin	Goupille evier d'arrête cartouche	M70COP5758
60	Spina grilletto	Trigger pin	Goupille du détente	M70COP5758
61	Spina leva scatto cane	Sear pin	Goupille du gachette	M70COP5758
63	Spina molla grilletto	Trigger screw pin	Goupille ressort détente	M70COP5758
64	Supporto centraggio cartuccia	Cartridge correct positioning	Position centrale cartouche	0800004598
65	Vite supporto centraggio cartuccia	Cartridge correct positioning screw	Vis position centrale cartouche	M70TFM5799
	Riduzione serbatoio	Magazine reduction	Reduction chargeur	0800004511