



OUTDOORS

MEC AUTO-MATE ASSEMBLY MANUAL

For 9000G, 9000GN AND 8567 GRABBER SERIES



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Contents:

NOTE: If you are upgrading an 8567 Grabber Series machine, turn to page 11 Step 16 and contact the factory for the items listed.

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SAFETY INFORMATION

GENERAL:

The MEC Auto-Mate is a unique product in that it is designed to work in conjunction with equipment and reloading components designed and manufactured by MEC. It is therefore of utmost importance to read, fully understand, and strictly follow the operation, user and safety information for ALL the equipment and reloading components that you will be using in the reloading process.

Millions of men and women reload ammunition as a hobby, or because the cost savings allow them to enjoy shooting more often. You should always reload so that the safest and most accurate loads on the shooting line will be yours and always remember that to become or to continue to be a safe reloader, you must be careful at all times.

Checking powder and shot charges with a reliable scale is a must, and will disclose if you have

SAFETY INFORMATION CONTINUED

any variations in weights. Adhering to loads recommended by the powder manufacturer is a must. **Always wear safety glasses!**

On your machine and in this operator's manual safety labels and statements contain the words DANGER for the most serious hazards and CAUTION to call attention to safety messages.



ELECTRICAL:

1. To avoid electrical shock, which can cause severe personal injury or death do not cut or remove the round grounding prong from the plug. The machine must be grounded at all times. Do not remove warning tag from the power cord, use a two-prong adapter or use an extension cord.

Electrical Grounding Instructions - This machine is equipped with a three-prong (grounding) plug for protection against possible shock hazards. If you encounter a two prong receptable, contact a qualified electrician and have the two-prong wall receptacle replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code.

Machine is designed to operate on a separate 110 to 120 volt. 15 amp. 60 cycle line.

2. Avoid contact with energized circuits.

3. Do not depend on motor control devices (switches, etc.) to prevent unexpected motor starting. Always disconnect power source before working on or adjusting machine.

4. Protect the power cable: don't let it touch sharp objects, hot surfaces, oil, grease, or chemicals. Do not kink the power cable.



5. DO NOT use this equipment in an area where explosive vapors are present.



6. Disconnect power supply before servicing or making any adjustments.

MECHANICAL:



1. Keep hands and fingers CLEAR of all moving parts.

2. Your machine is quite heavy. Be sure to use your MEC Auto-Mate on a structurally sound table or bench.



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REMOVAL OF FACTORY MANUAL OPERATIONAL PARTS

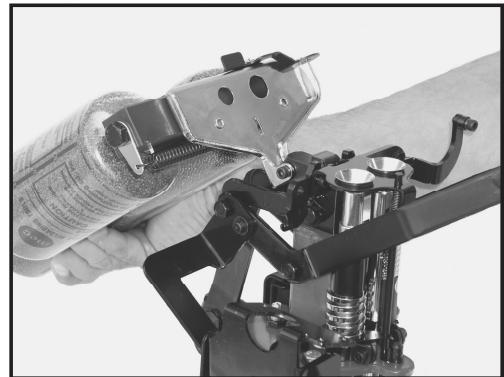


TOOLS REQUIRED:

- (2) 7/16" Open End Wrenches
- (1) 1/2" Open End Wrench
- (1) 5/32" Hex Wrench

Step 1:

Raise the charge bar and measure assembly.
Remove powder and shot bottles.



Step 2:

Remove both shot and powder drop tubes and
set aside.



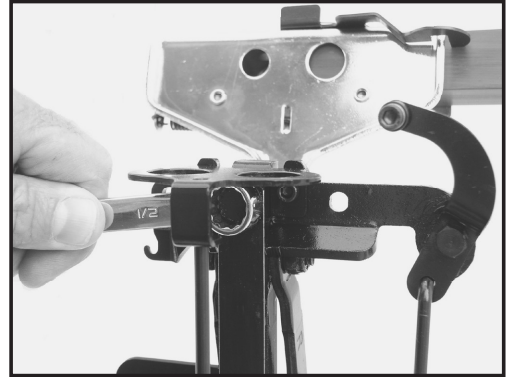
Step 3:

Depress handle assembly to the bottom of
loading stroke. Using (2) 7/16" wrenches
tighten middle bolt to keep turret assembly in
the down position.



Step 4:

With a 1/2" end wrench, remove the pivot block bolt and set aside.

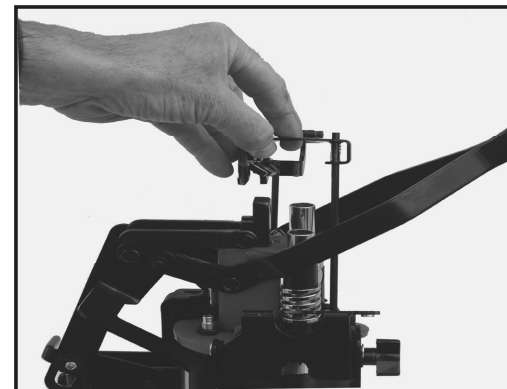
**Step 5:**

Remove measure assembly as shown and set aside.

**Step 6:**

Using (2) 7/16" wrenches loosen middle bolt and return turret assembly to the full up position.

Pull drop tube holder assembly up and lay to the side. It is not necessary to un-couple the attached linkages.

**Step 7:**

Using (2) 7/16" wrenches remove the rear linkage bolt assembly and keep for possible future use.





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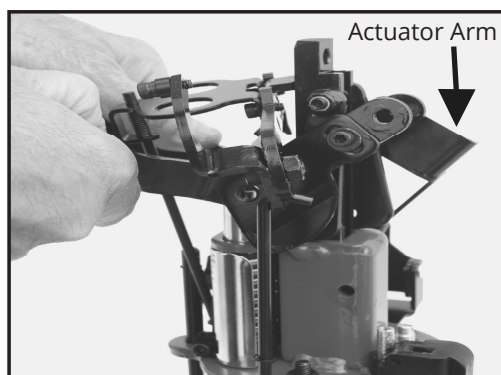
Step 8:

Using (2) 7/16" wrenches remove the lock nut and set aside. Note approximate adjustment position of the crimp die cam. You will need to readjust the cam following the Auto-Mate "Quick-Link" Parts Installation.



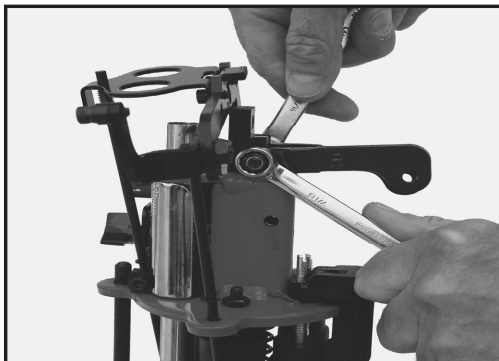
Step 9:

If you have the large capacity primer feed you will have to remove the #8965 actuator arm using a 5/32" hex wrench and set aside. Note the position of the screw in relationship to the slot.



Step 10:

Using (2) 7/16" wrenches remove the top linkage bolt and set aside. Save the right and left linkage pieces in the event that you want to convert the reloader back to manual operation.



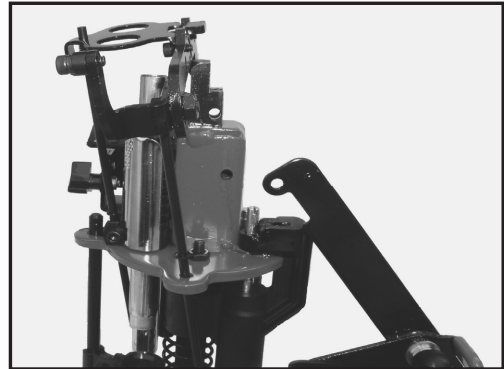
This is the way the top section of your reloader should appear prior to the installation of the MEC Auto-Mate "Quick-Link" Kit.



INSTALLATION OF MEC AUTO-MATE “QUICK-LINK” KIT

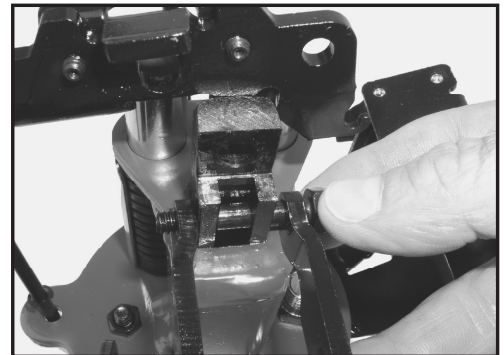
Step 1:

Prepare for the installation by laying out the “Quick-Link” Parts.



Step 2:

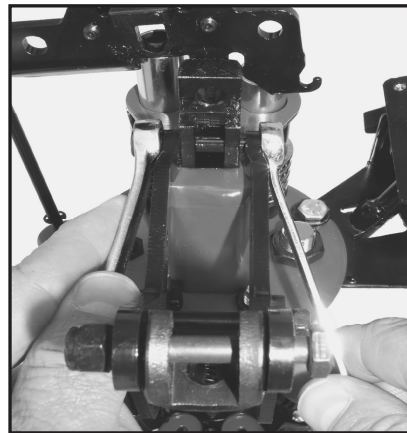
Looking from the back of the reloader, place the top linkage bolt through the **left** hand link and slide bolt thru hole provided in top of column and then thru right hand link.



Step 3:

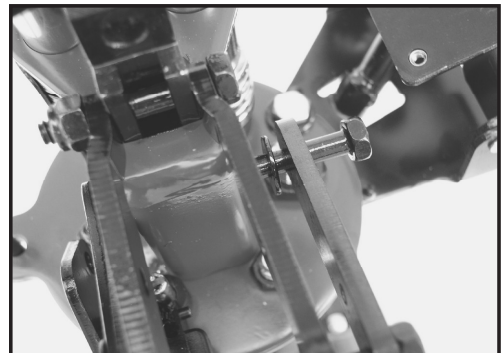
Using (2) 7/16” wrenches tighten the top linkage bolt assembly.

IMPORTANT! Only tighten the top linkage bolt nut enough to bring all of the parts together. The actuation arms **must move freely**.



Step 4:

On the right side of the reloader assemble the forward link bolt, link strap, and spacing washer as shown.





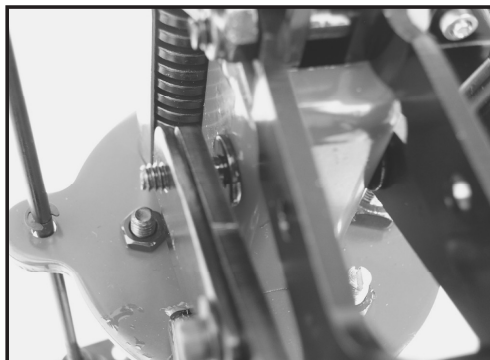
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Step 5:

On the left side of the reloader add 1/4" spacing washer, link strap, cam plate and forward linkage bolt nut.



Step 6:

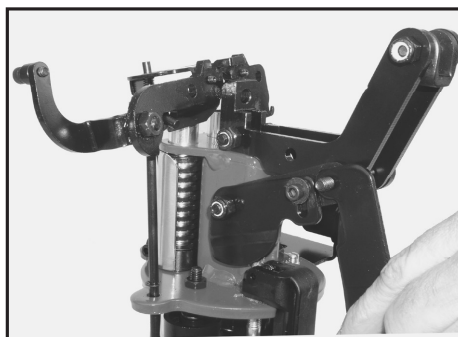
Using (2) 7/16" wrenches tighten the forward linkage bolt assembly.

IMPORTANT! Only tighten the forward linkage bolt nut enough to bring all of the parts together. The link straps must move freely up and down. Using a 5/32" hex wrench tighten the cam in the approximate position like it was on your handle. You may have to adjust the position when you begin reloading.



Step 7:

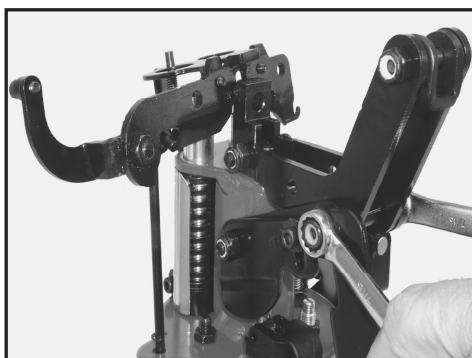
Re-attach the indexing actuating bracket. If you also have the large capacity primer feed, reattach the actuator arm at this time.



Step 8:

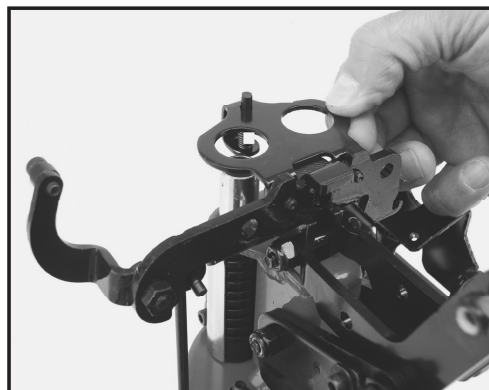
Add the rear link bolt and tighten using (2) 7/16" wrenches.

IMPORTANT! Only tighten the rear linkage bolt enough to bring all of the parts together.



Step 9:

Move the drop tube holder assembly back into position.



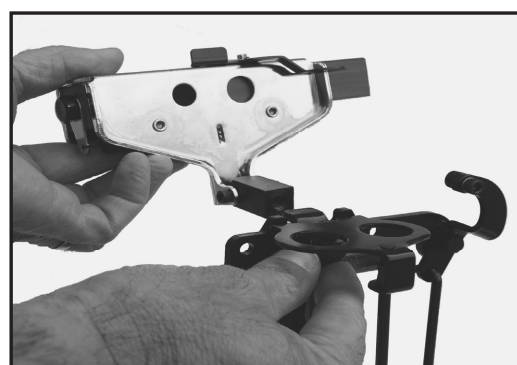
Step 10:

Depress linkage assembly to the bottom of loading stroke. While holding it down, tighten middle bolt using (2) 7/16" wrenches to keep turret assembly in the down position.



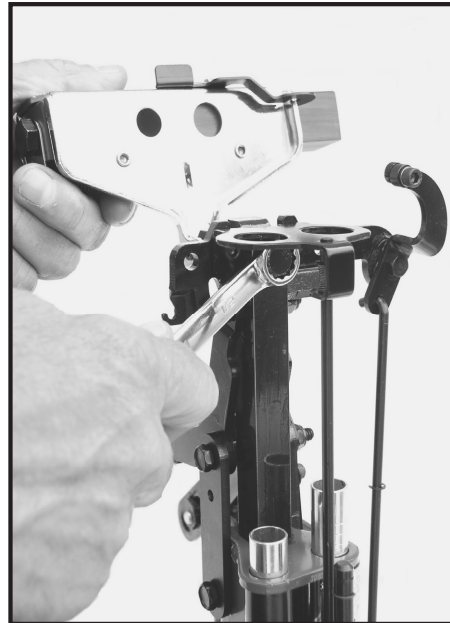
Step 11:

From the front of the reloader align the pivot block and charge bar assembly and attach with the pivot block bolt.



Step 12:

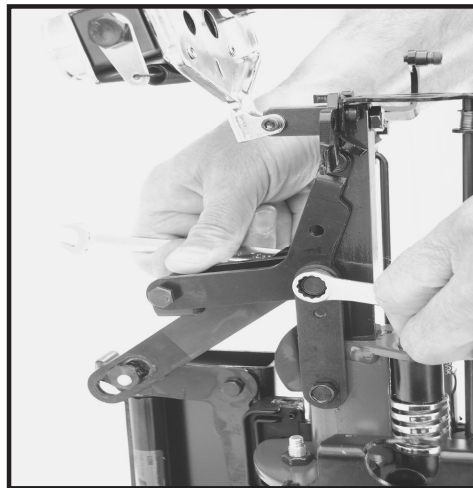
With a 1/2" end wrench tighten pivot block bolt securely.



Step 13:

Carefully loosen the middle bolt and return turret assembly to the full up position.

CAUTION should be taken to not allow the unit to come up too quickly.



Step 14:

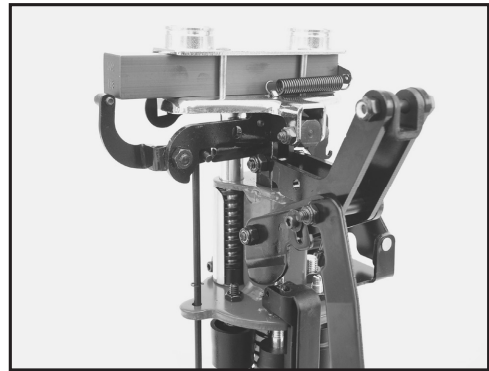
Add powder and shot drop tubes.



Step 15:

Lower charge bar assembly.

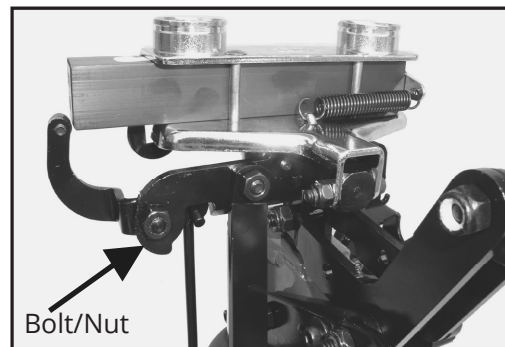
From the side/back view of the reloader this is what the finished assembly should look like. Congratulations, you are almost ready to go!



Step 16:

Install the right hand reloader support bracket using the provided 1/4" nut and bolt. Start with the top bolt as shown here and finger tighten.

IMPORTANT: If you are converting the 8567N Grabber you will need to contact MEC Outdoors to purchase the right hand truss rod #9130P9 and wing thumb screw #9105.

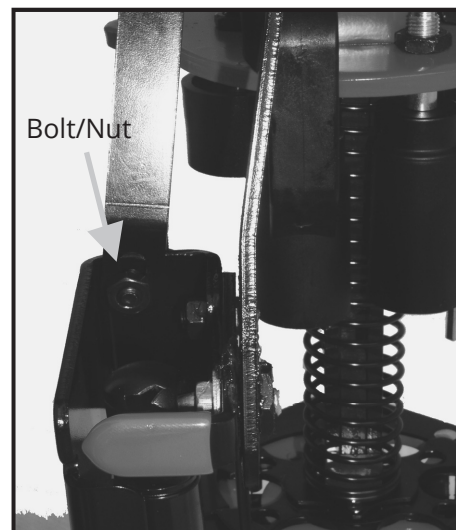


Step 17:

Complete the installation of the reloader support bracket by securing the bottom of the bracket to the reloader. Tighten both bolts securely using (2) 7/16" wrenches.

NOTE: Make certain this connection is made on the back side of the indexer side plate as shown.

IMPORTANT: Follow instructions for 8567 Grabber right hand truss rod #9130P9 assembly.



AUTO-MATE ASSEMBLY

Step 1:

Slide your reloader into position on the top of the drive base. Secure the left side of the reloader to the drive base with the provided thumb screws.



Step 2:

Loosen the (2) thumb screws and push the right side. Hold down the clamping strip to the left until it rests against the reloader base. Secure the clamping strip tightly with the provided thumb screws. Tighten with an allen screw using 5/32" hex wrench.



Step 3:

With a 1/2" end wrench, remove the ny-lock nut from the actuation wheel pivot point. Attach the bottom end of the pull rod and tighten the lock nut.



Step 4:

Remove the bolt from the pivot bracket and thread the pivot bracket onto the pull rod. Reposition the pivot bracket between the links. The holes in the pivot bracket should line up with the holes in the links. Slide the bolt through the linkage and pivot bracket. The bolt should slide through freely.

**Step 5:**

Using (2) 7/16" end wrenches tighten the linkage bolt assembly.
IMPORTANT: Only tighten the linkage bolt enough to bring all parts together. Bolt should pivot freely.

**Step 6:**

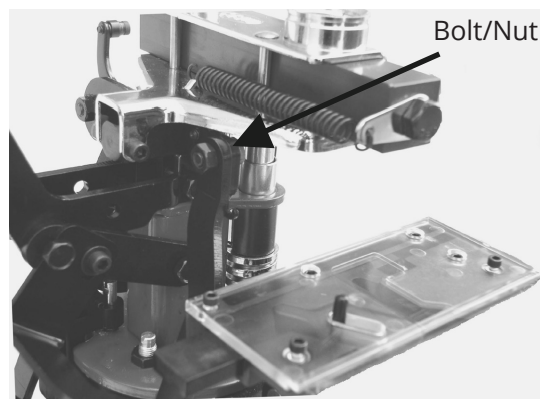
Install the spent primer bin under the auto-mate base frame.



INSTALLATION OF LEFT TRUSS ROD

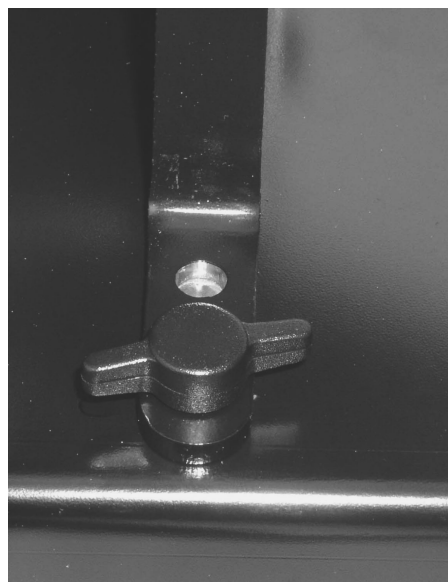
Step 1:

Insert the bolt through the hole in the mounting bracket and then through the top hole in the truss rod on the left side of reloader and finger tighten nut. You may find it easier to insert by tipping the measure assembly back.



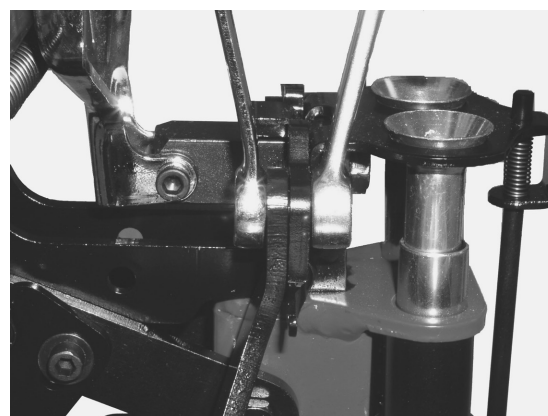
Step 2:

Using the provided "T" bolt, install lower truss rod to the provided mounting hole at the left rear of the auto-mate drive base and securely tighten.



Step 3:

Using (2) 7/16" end wrenches, securely tighten the bolt and nut holding the upper truss rod to the reloader mounting bracket.



AUTO-MATE FUSE REPLACEMENT

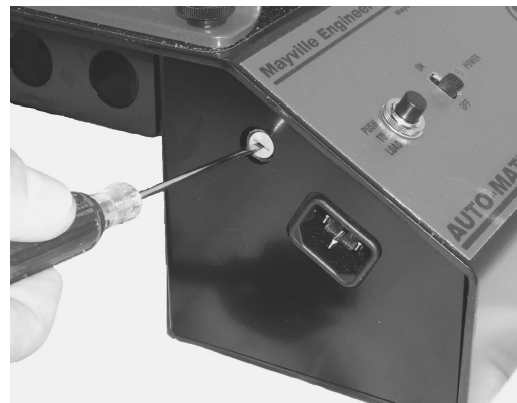
Step 1:

Remove the power cord.



Step 2:

Expose fuse. Take a small standard screwdriver and push in while turning counter clockwise.



Step 3:

Remove fuse from fuse holder and replace with a fuse that matches factory specifications.

Fuse Glass 2A 250VAC 3AB 3AG

NOTE: Lesser quality fuses may blow at lower than rated value. If you can not locate fuses that meet these specs, contact MEC Outdoors for replacement fuses.





MEC AUTO-MATE PARTS

PART #	DESCRIPTION
9102	Power Cord
9202	2 AMP Fuse
9135	Magnet
9113	Hex Flange Nut (for magnet)
9104	Thumb Screw (round)
9130P6	Right Side Hold Down Bracket
9134	Pull Rod Assembly
0113H1544	Carriage Bolt
9114	Nylon Lock Nut (Carriage Bolt)
6466	Lock Nut (Carriage Bolt)
8661	Truss Rod (right side for 9000 series machine)
685F	Bolt
460A	Lock Nut
9130P10	Truss Rod (left side)
9105	Thumb Screw (wing)
9130P9	Truss Rod (right side for 8567 series machine)
9100	Primer Catcher
8546	Linkage Assembly
9149	Links Kit (Converts another 9000 or 8567 series machine to operate on the MEC Auto-Mate)
9156	Large Push Buttons
9162	Quick Disconnect Pin

Thank you and we appreciate your support of our product line. We won't be satisfied until your new MEC Auto-Mate exceeds your expectations year after year.

We encourage you to take your time as you begin to use your new MEC Auto-Mate. Carefully review this manual to learn the operational features and considerations for safe operation. This MEC Auto-Mate will speed the proces of reloading and for those with physical impairments, will allow you to once again be able to load your own shot shells. If you have any questions, comments or suggestions we want to hear from you.



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