



Large Automatic Feed/Retriever User Manual



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**Manufacturers of Quality
Sewer and Drain Cleaning
Equipment Since 1957**

www.MyTana.com

746 Selby Ave • St. Paul, MN 55104
fax: (651) 222-1739

(800) 328-8170

Factory Direct Customer Service
M-F 7am – 5pm CST
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Installing the Autofeed onto your machine

- Models **M888** and **M745** have a bracket on the frame that the Autofeed slides onto, these models will arrive with the feed already mounted.
- Follow the instructions below for the **M81** cable machine.

Step 1

Pull the top two bolts (that hold the top cylinder in place) back flush with the backplate of the Autofeed.

Step 2

Attach the Autofeed by hooking the silver bracket at the back of the feed onto the bottom flange of the front casting of your sewer machine. Pull upward on the Autofeed so that the top bolts line up with the holes on the front of the front casting (where toggle switch is mounted).

Step 3

Secure the Autofeed into place by threading the bolts into the holes.

Step 4

If the silver bracket needs to be adjusted upward for a secure fit, loosen the bottom two bolts that hold the bracket in place and slide the bracket upward. The bracket has adjustor slots. Re-tighten bolts.

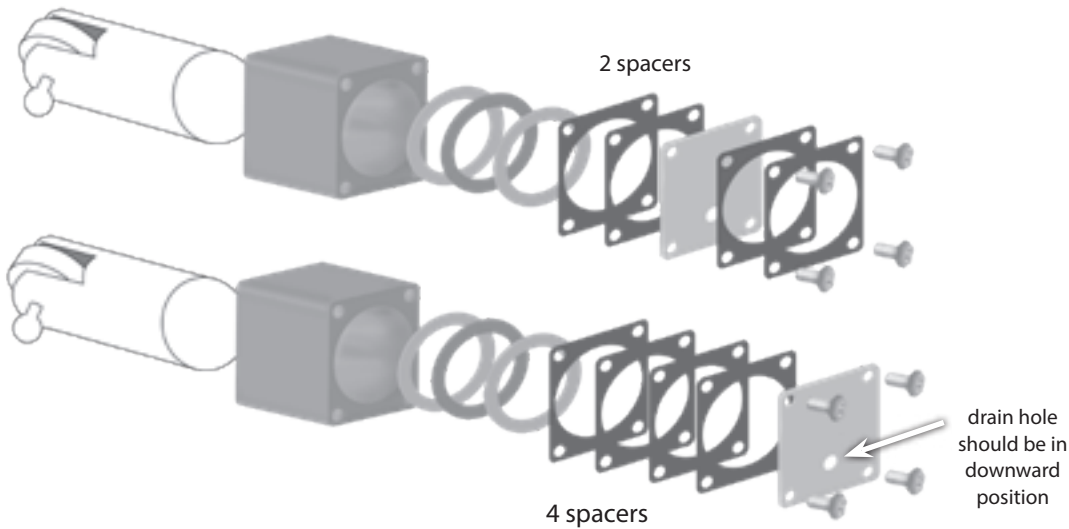


Spacers

The spacer plates at the bottom end of the two lower cylinder housings properly position the cylinders to maximize the grip of the drive wheels on your cable. Different size cable requires different positioning of the spacers inside or outside of the lower end plate (see chart and illustration below).

If you change cable size, you need to adjust spacers. When replacing the end plates, make sure that the drain holes are in the most downward position to maximize drainage).

Cable Size	Spacers Required
5/16"	0
3/8"	1
13/32"	1
1/2"	2
9/16"	3
5/8"	3
11/16"	4
3/4"	4



General Operation

- **NOTE:** MyTana machines tend to push cable forward, out of the machine. For this reason, we recommend manually feeding the cable into sewer lines and manually cleaning the obstruction.

1. Disengage auto feed (by loosening screw knob on top cylinder) and insert cable into pipe opening several feet before turning on machine. Do not try to insert a spinning blade into a sewerline!
2. If you choose to use the auto feed for pushing cable into the sewer line (see "Note" above), move the feed lever about 10 degrees toward the "F" and turn on your machine. Turn the screw knob on the top cylinder to the right until the cable starts to move forward. **Do not tighten the knob more than is required to move the cable forward.** Push lever fully into the forward position.

- **Proceed with caution, keeping in mind that it is essential that the cutting blade not be forced through an obstruction using the forward force of the auto feed!**

3. When your blade finds an obstruction it will usually stop the rotation of your cutting blade. If the blade does not release after several seconds of torque, move the Autofeed lever to the "R" (reverse) position. Read instructions from your machine user manual for releasing a stuck blade. The most efficient cleaning is achieved by learning how to use torque build-up in your cable without over-torquing to the point of damaging cables or blades.

If the cable resists going forward or backward, one of several things is occurring:

- A. You are hitting an obstruction. However, if torque does not start to build, you may be at an elbow or the blade may be hitting an offset or break in the sewer line. Apply some forward pressure manually to help you figure out what it is there.
 - B. The feed wheels are worn and need replacing.
 - C. There is debris hanging onto the end of cable and blade that is resisting retrieval. In this case manually help the auto feed pull the cable back into the reel, clear blade of debris and run cable through sewerline again to make sure all blockages are removed.
4. When the obstruction is removed, place the auto feed/retriever fully in the "R" position until you hear the blade nearing the pipe opening. Disengage feed (by turning screw knob to the left) shut off machine and pull the blade out of the pipe opening.

The following tips will add life to your cable, blades and Auto Feed/Retriever.

Avoid turning down the screw knob on top cylinder of feed too tightly.

- It causes excessive wear on cable and, if extreme pressure is applied, can impede the proper rotation of the cable through the auto feed.
- It can also cause the cable to stack loosely into the reel on rewind, rather than snugly against the outer walls as it should.
- Over tightening can also break feed wheels.



DO NOT run cable fittings (i.e. couplings, splicers, cable ends) through a tightened down auto feed. It can break feed wheels. Release the feed, pull fittings through manually and then re-engage.

Maintenance

Keeping the Autofeed/Retriever clean and properly lubricated is essential.

- The feed unit has been greased at the factory. However, routinely continue to grease all housing equipped with zerks (grease fittings).
- Remove front disc periodically, clean and lubricate. Free movement of the front disc is crucial to proper movement of cylinders and drive wheels.
- Watch for wear on drive wheels (bearings) and drive pins. See procedure to replace drive wheels on back page.
- Make sure drive pins stay in designated slots on movement disc.
- Remove debris (i.e. rags, string, hair) from cable before running through the feed. Debris can clog up the feed wheels and moving parts quickly.
- If Autofeed will not be used for a period of time, lubricate before storage.

Replacing drive wheels (bearings)

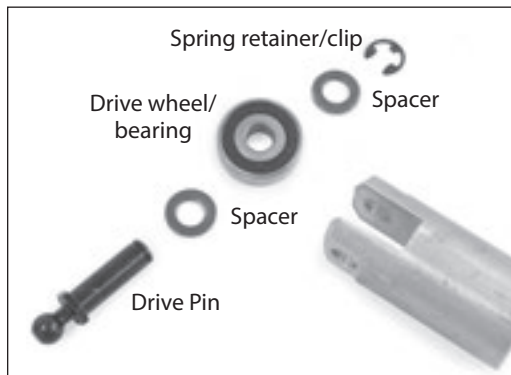
The steps below describe how to replace only the bearings on the Autofeed. If you purchase the Repair Kit (right), the bearings are already installed in new pistons.

Remove Autofeed from machine

1. Remove six acorn nuts and lock washers
2. Remove front disc and movement assembly
3. Slip cylinder housing (whichever one that needs new drive wheel) from hex bolts
4. Remove piston from cylinder housing (it will lift out).
5. Remove spring clip that holds drive pin
6. Carefully pull out drive pin
7. Remove spacers and bearing
8. Clean ALL parts with cleaning solvent.
9. Reverse procedure to reinstall new bearing



Breakout of both upper (hollow) and lower (solid) pistons.



NOTE: When installing new bearings, or complete pistons from Repair Kit, take the time to service the cylinder housings.

There is a thrust bearing and 2 races at the bottom of each housing that need to be cleaned periodically. These parts can be accessed by removing the spacer plates and end cap at the bottom of the housing.

Autofeed Repair Kit

The new Autofeed Repair Kit is a set of the most commonly replaced components on our Large Autofeed-Retriever.

It includes drive wheels/bearings already inserted into pistons to make replacing them easier.

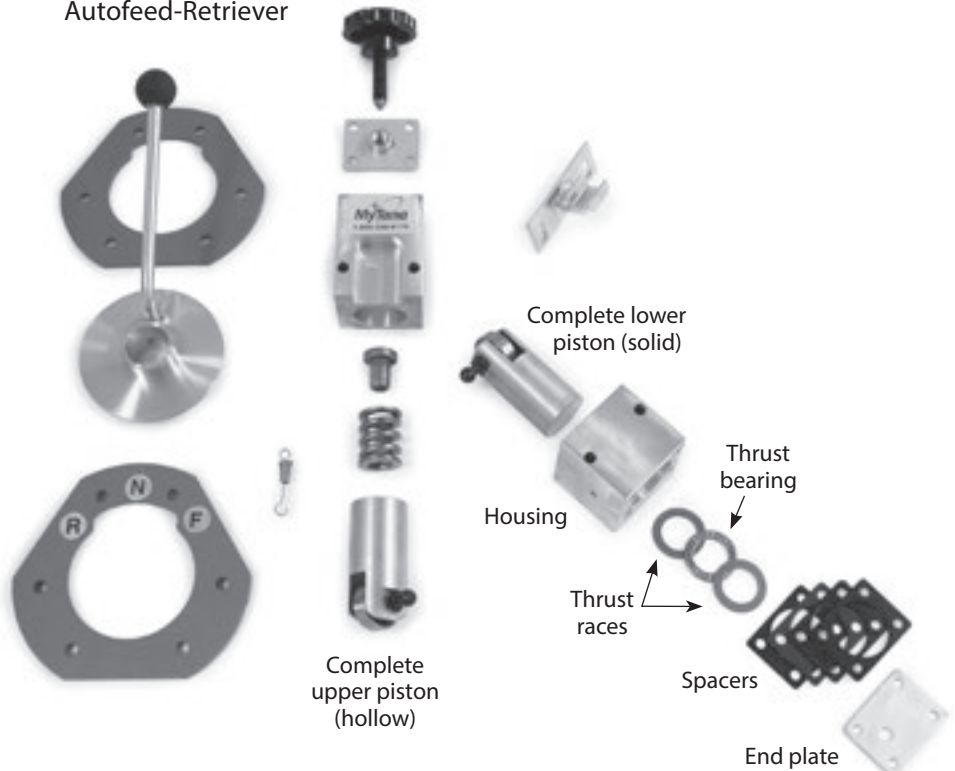
- If you need just the bearings, they are still available as a set of 3. Both bearings and the new Autofeed Repair Kit are available online at MyTana.com.

Kit includes:

- 3 complete pistons: 1 upper (hollow) and 2 lower (solid) pistons. Each has a bearing, pin, spring retainer and spacers.
- 2 Thrust bearings
- 4 Thrust races
- Hand movement assembly
- Conical spring



Breakout of entire Autofeed-Retriever



(800) 328-8170
M-F | 7a to 5p CST

MyTana.com

EMAIL mytana@idexcorp.com

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MYTANA LLC 746 SELBY AVE • ST. PAUL, MN 55104