Large Automatic Feed/Retriever User Manual

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Manufacturers of Quality Sewer and Drain Cleaning Equipment Since 1957

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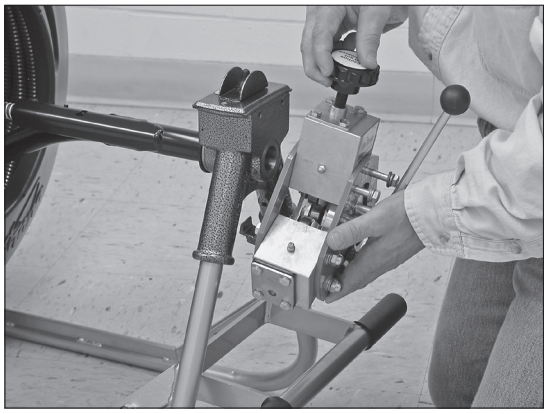
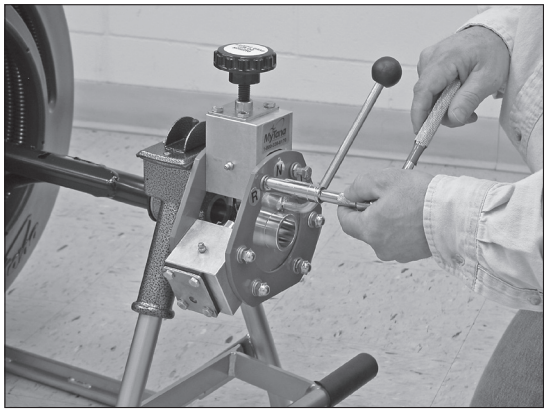
Installing the Autofeed onto your machine

- 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

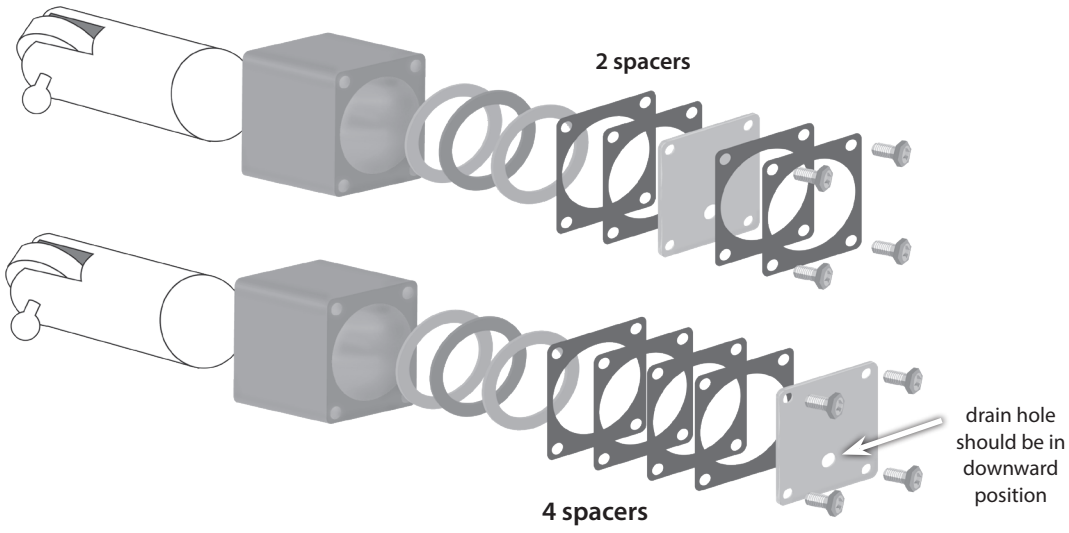
If the silver bracket needs to be adjusted upward for a secure fit, loosen the bottom two bolts that hold the bracket in place and slide the bracket upward. The bracket has adjustor slots. Re-tighten bolts.

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
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.

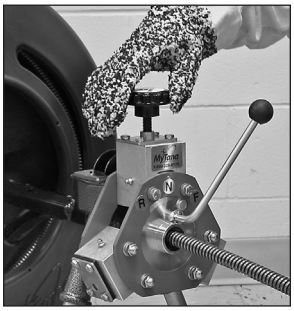
   If the cable resists going forward or backward, one of several things is occurring:

   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 used for a period of time, lubricate before storage.

Parts Breakdown

Part #	Description	No/Unit
AF100	Front disc	1
AF101	Rear disc	1
AF102	Mounting bracket	1
AF103	Hand knob	1
AF104	Movement assembly	1
AF104P	Movement stop pin	1
AF105	Upper end plate	1
AF106	Long (top) housing	1
AF107	Upper piston (hollow)	1
AF108	Spring	1
AF109	Pressure pad	1
AF110	Drive wheel (bearing)	3

Part #	Description	No/Unit
AF111	Drive pin	3
AF112	Spring retainer	3
AF113	Spacer	6
AF114	Short housing	2
AF115	Lower piston (solid)	2
AF116	Thrust bearing	2
AF117	Thrust race	4
AF118	Spacer plate(s)	8
AF119	Lower end plate	2
AF120	Conical spring	1
AF121	Plastic knob	1
AF122	Outlet Collar	1

Many of these parts are available to order online at mytana.com/cm-parts

Replacing Drive Wheel (Drive Bearings) or Pins

1. Remove Autofeed from machine
2. Remove six acorn nuts and lock washers
3. Remove front disc and movement assembly
4. Slip cylinder housing (whichever one that needs new drive wheel) from hex bolts
5. Remove piston from housing (it will lift out)
6. Remove clip spring that holds drive pin
7. Carefully pull out drive pin
8. Remove AF113 spacers and bearings
9. Clean all parts with cleaning solvent
10. Reverse procedure to install new bearing(s) or pins

▶ **NOTE:** While installing new drive wheels, take the time to clean up cylinder housing. There are thrust bearing (and two races) at the bottom of each cylinder 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.