STABLE GRAZER®
GENERATION II
OWNERS MANUAL

Product and Warranty Information

Patent No. 7,055,459

The Stable Grazer is a unique, programmable, automatic feeder designed to dispense flake hay from one to six times a day. Both you and your horse will benefit from a regular, frequent feeding schedule made easy with the Stable Grazer.

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Introduction

Thank you for purchasing a Stable Grazer automatic hay feeder from HayDay LLC. The Stable Grazer is a unique programmable feeder designed to dispense flake hay from one to six times a day. Both you and your horse can now benefit from a regular, frequent feeding schedule made easy with your new Stable Grazer.

Neither Stable Grazer manufacturers, nor anyone associated with HayDay LLC in any way, either by implication or expression, intends for the Stable Grazer to take the place of human caretakers of any animal. Our desire is to assist in their health, welfare, and ease of care. We strongly discourage leaving animals alone or unattended for extended periods of time for any reason.

The Stable Grazer is very user-friendly and can be easily programmed and loaded with flake hay. Once your Stable Grazer is installed (see separate installation instructions) there are only a few more steps to your first on-schedule, maintenance-free feeding.

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Power Source

Feeder Battery

The feeder requires one 6 volt battery (not included). To install it, remove the two 10-32 screws holding the Control Panel. Tip the Control Panel towards you to reveal the back side. Loosen the two 10-32 screws holding the Battery Clamp until you are able slip a 6 Volt battery (not included) into the Battery Clamp. Slide it in until it just touches the wires coming through the Control Panel. Tighten the two 10-32 screws holding the Battery Clamp until the battery feels snug. Attach the wires to the battery terminals. Take special care to attach the red wire to the positive (+) and the black wire to the negative (-) terminals. Re-attach the Control Panel. Please see the Installation Guide for more detailed instructions.

Feeder Battery Meter

The battery condition can always be checked by simply watching the timer until it changes from the current time to percent of battery condition (approx. 7 seconds). Although the feeder will operate at 25% for quite awhile, it is recommended that you change the feeder battery at 25%.

Note: The time of day and all program information may be deleted when changing the feeder battery so review and write down the program data before disconnecting the old battery.

Programming the Timer

Introduction

You will find there are several possible feeding options for your horse with the Stable Grazer. First, you need to decide how many times per day you would like to feed. We recommend a minimum of three feedings a day (more is even better) because we believe that frequent, consistent feedings best simulate grazing and are most beneficial for your horse. Next, you need to decide at what times of the day you would like to feed. One of the nicest features of the Stable Grazer is that it makes it possible for your horse to be fed *before* you normally arrive to care for him. This allows you to spend more time riding or working your horse.

For example, if you like to work with your horse at 8am you can schedule his feeding at 6am. This way he'll be ready to give you his full attention when you arrive. His schedule is fixed, making yours more flexible.

Instructions

It is important to note that the timer numbers have no relation to individual feed shelves. For example timer 1 is not related to feed shelf 1, timer 2 is not related to feed shelf 2 and so on. The timer only activates the motor which turns the camshaft. It is the design of the camshaft that allows only

Programming the Timer

the bottom loaded feed shelf to feed.

It is also important to know that this is a 24 hour timer. It will repeat the same program every day. So, for example, if you want to feed four times a day you would program timer number 1 thru 4 with your feeding times and set the run time to :02 seconds. Timer numbers 5 & 6 would not need programmed, but would need to have the run time set to :00 seconds. This will deactivate timer numbers 5 & 6 and would only feed at the times set in 1 thru 4.

With this in mind we can now program the timer. We will use an example of feeding four times a day (6:00am, 12:00pm, 6:00pm & 12:00am). Once you understand the programming you can adjust it to meet your feeding schedule.

- Press the UP or DOWN arrow the set the time of day. Be sure to note the AM or PM.
- Press the SET button to display TIMER 1. Press the UP or DOWN button until the time says 6:00am. Next press the SET button again to display RUN-TIME SECONDS. Press the UP or DOWN button until it shows :02 seconds.
- Press the SET button to display TIMER 2. Press the UP

or DOWN button until the time says 12:00pm. Next press the SET button again to display RUN-TIME SECONDS. Press the UP or DOWN button until it shows :02 seconds.

- Press the SET button to display TIMER 3. Press the UP or DOWN button until the time says 6:00pm. Next press the SET button again to display RUN-TIME SECONDS. Press the UP or DOWN button until it shows :02 seconds.
- Press the SET button to display TIMER 4. Press the UP or DOWN button until the time says 12:00am. Next press the SET button again to display RUN-TIME SECONDS. Press the UP or DOWN button until it shows :02 seconds.
- Press the SET button to display TIMER 5. In this example timer 5 is not used so don't worry about setting the time. Next press the SET button again to display RUN-TIME SECONDS. Press the UP or DOWN button until it shows :00 seconds. This will deactivate TIMER 5.
- Press the SET button to display TIMER 6. In this example timer 6 is not used so don't worry about setting the time. Next press the SET button again to display RUN-

Programming the Timer

TIME SECONDS. Press the UP or DOWN button until it shows :00 seconds. This will deactivate TIMER 6.

In the above example the feeder would feed four times in a 24 hour period at 6:00am, 12:00 noon, 6:00pm and 12:00 midnight. Since the feeder holds six feedings it would have two remaining feedings that would feed the next two scheduled feedings in the next 24 hour period. The feeder would then need to be reloaded. This gives you a great amount of flexibility if you are unable to make it to the barn at the same time every day. Although the feeder may not be empty when you arrive, you can reload it at any time. Always load the feeder to the bottom shelf. The bottom shelf cam is designed in such a way that the bottom shelf will not lock into the load position if the camshaft is out-of-time. If the camshaft is out-of-time, press and hold (for 2 seconds) the MANUAL BUTTON located to the right of the timer. Now the bottom shelf will lock into the load position and the feeder is ready.

This is an example only. You can program the feeder to feed from one (one timer set with :02 seconds run time, remaining five timers set with :00 seconds run time) up to six (all six timers set with :02 seconds run time) times a day and anywhere in between.

Loading the Feeder

Instructions

You will need to decide how much of your horse's diet will be hay forage. Again, we recommend feeding a minimum of three times a day for optimal health. If this is what you choose, the next step is to divide the amount of hay forage you want to feed each day by the number of feedings. For example, 15 lbs. total per day divided by 3 feedings equals 5 lbs. per feeding.

First, pull the feeder door down to the open position, taking care to avoid letting it drop hard to the built-in stop. *Note: The door stop is designed to hold the weight of the door itself and six feedings of hay, not the additional weight of a person leaning or sitting on it or a sudden drop.*

The feed shelves will be in a horizontal position when the feed door is down. Load your pre-determined amount of feed on the top shelf. Grasp the outer edge of the loaded shelf and pivot it up to a vertical position until the support rod snaps over the cam on the cam shaft. You will hear a distinctive snap when this happens. Again, load the predetermined amount of feed on the second shelf and pivot it up into the locked feeding position until you hear the distinctive snap of the support rod. Continue loading the shelves from the top to the bottom in the same manner.

Loading the Feeder

Instructions (continued)

After loading the top five shelves, the bottom shelf may not snap and lock into position. If this happens, the cam shaft is out of time and will need to be rotated a half turn, which is easily done. To retime the cam shaft simply press and hold (for 2 seconds) the manual button located to the right of the timer. The bottom shelf will now lock into position. The last cam on the cam shaft is the only one designed in such a way as to prevent the bottom shelf from locking into position if the feeder is out of time. The feeder will stay in time if it is always loaded all the way to the bottom or loaded after an even number of feedings, (2, 4, or 6 feedings). The Stable Grazer can be loaded after an odd number of feedings; the cam shaft will simply need to be retimed and each shelf will need to be loaded. When the last shelf is loaded and locked into the feeding position, close the feed door by lifting on the top outside of the door. Hold onto the door handle to keep the door from slamming shut when the feed shelves on the door go past center.

We recommend always loading all the feed shelves, including the bottom shelf, when loading the feeder.

Care and Maintenance

Cleaning and Care

The stable Grazer requires very little cleaning. The dry hay fines and dust that will inevitably accumulate inside the feeder should present no problems for the operation of the feeder. However, it is best to clean out the excess matter periodically because when the dust and hay fines become damp from humidity or rain and snow, problems can arise. Using a small object, such as a paint mixing stick, works well to scrape away the excess matter. It is also recommended that the feeding trough and manger be cleaned periodically. **Caution**: *Do not put any objects inside the cam shaft channel, which is located on the inside of the feed door, while the battery is connected. Disconnect the battery before cleaning or servicing.*

Maintenance

Be sure to periodically check the hinges, linkage, and gas spring on the feed door for signs of wear or fatigue. In addition, the mounting of the feeder should also be checked regularly. Bolts or screws that have worked loose can put excess stress on the feeder door, frame, and cabinet.

Troubleshooting

Problem	Possible Cause/Solution
Bottom feed shelf will not lock into position while loading feeder.	Feeder cam shaft is out of time. See page 10.
Cam shaft does not rotate.	Foreign object between cam shaft and door channel. See pg. 11 and note "Caution."
Door hinges or linkage shows signs of stress or bending.	Excess weight on door or dropping door open to hard. See pg. 9, "loading the feeder" or contact the manufacturer.
Feed door is not square in feeder and rubs on side of cabinet.	Feeder not mounted properly. See separate installation instructions.
Feeder is not feeding on schedule.	1.Check feeder battery. 2.Check timer programming.

Troubleshooting

Problem	Possible Cause/Solution
Feed shelf does not drop completely.	Feed door side bent in. Straighten bent side.
Feed hangs up in chute.	Build up on chute bottom. Scrape clean. See care and maintenance on pg. 11.
Feed shelves do not snap into lock position completely.	Build up of excess hay fines in feed door channel. See pg. 11 and note "Caution."
Feed shelf unhooked from feed door shelf while loading feed.	Trying to load too much feed per shelf. Reinstall by inserting one hinge pin in the correct hole. Now, by pulling up on the center of the shelf and pushing down on the opposite side you can bow the shelf enough to insert the opposite hinge pin in the corresponding hole on the opposite side.

Warranty Information

One-Year Limited Warranty on the Stable Grazer

The Stable Grazer flake-hay feeder and all parts thereof, retained within the continental U.S., is warranted to the original purchaser for one year from the date of original purchase, against defects in factory workmanship or material (or both) under normal use and service. The purchaser shall be responsible for all maintenance service consisting of cleaning the feeder, replacing expendable parts, making minor adjustments and performing operating checks, all in accordance with the procedures outlined in HayDay LLC's maintenance literature. This warranty is limited to the exchange of all defective parts at the option of HayDay LLC. All defective parts should be returned after making arrangements with HayDay L.L.C. by calling 1-800-732-1654. HayDay LLC makes no provision for warranty labor.

No warranty shall apply to any Stable Grazer flake-hay feeder, or any part thereof, that has been subject to accident, alteration, abuse, misuse, flood, fire, acts of nature or animals, or acts of God. HayDay LLC assumes no responsibility for failure of the unit to operate properly due to improper installation, assembly, or user's accidental damage to the unit in any way. The Stable Grazer is designed to be used for dispensing hay to individual animals. Stable Grazer manufacturers, its retailers, dealers, agents, or anyone associated with HayDay LLC do not in any way, by implication or expression, ever intend for the Stable Grazer to take the place of human caretakers of any animal. The Stable Grazer is designed to assist in providing horses with a regular feeding schedule and nothing more. It is HayDay LLC's strong position that animals should not, under any circumstance, be left alone and unattended for extended periods of time for any reason.

Warranty Information

Disclaimer of Unstated Warranties

THE WARRANTY PRINTED ON THE PREVIOUS PAGE IS THE ONLY WARRANTY APPLICABLE TO THIS PURCHASE. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR APARTICULAR PURPOSE ARE DISCLAIMED.

Limitation of Liability

IT IS UNDERSTOOD AND AGREED THAT SELLER'S LIABLITY WHETHER IN CONRACT, IN TORT, UNDER ANY WARRANTY, IN NEGLIGENCE OR OTHER-WISE SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER AND UNDER NO CIRCUMSTANCES SHALL HAYDAY LLC BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. THE PRICE STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING THE SELLER'S LIABILITY. NO ACTION, REGARDLESS OF FORM, ARISING OUT OF THE TRANSACTIONS UNDER THIS AGREEMENT MAY BE BROUGHT BY PURCHASER MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION HAS ACCRUED.

*Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

* This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty Claim Policy

1. To obtain information without charge on warranty performance, call 1-800-732-1654.
2. Purchaser Information: to make a claim under this warranty, please provide the purchaser's name, address, phone number, a detailed description of the defect, and a photocopy of the proof of purchase date for the defective feeder or part.
3. Shipping and Handling. The purchaser is responsible for all shipping and handling charges and any damages to the feeder or part during shipping and/or loss in transit. In case of loss, it is the purchaser's responsibility to file a claim with the carrier.
4. Seller's Address: The defective part should be shipped only after making arrangements with HayDay L.L.C. by calling 1-800-732-1654, and receiving shipping authorization and instructions.

NOTE: The above policies are subject to change without notice.