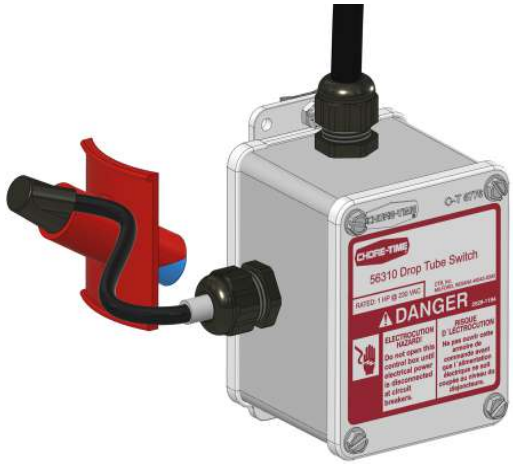
Drop Tube Switch
Part No. 56310



Introduction

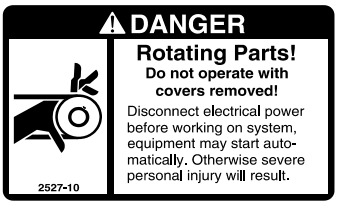
The 56310 Drop Tube Switch is designed for use with any feeding system that carries free flowing feed.

It is designed to be mounted to the Drop Tubes.

The Delay Timer will allow the operator to set the start delay time before the fill time system restarts. This feature will minimize short-cycling.

Follow Safety Instructions

Carefully read all safety messages in this manual and on your equipment safety signs. Follow recommended precautions and safe operating practices.



DANGER: Moving Parts

Disconnect electrical power before working on system, equipment may start automatically. Otherwise personal injury will result.

Severe personal injury will result if the equipment is operated without covers properly installed.

DANGER: Electrical Hazard

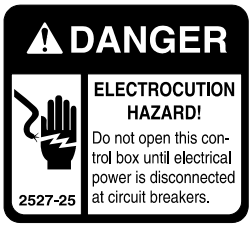
Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.

Ground all electrical equipment for safety.

All electrical wiring must be done by a qualified electrician in accordance with local and national electric codes.

Ground all non-current carrying metal parts to guard against electrical shock.

Electrical disconnects and over current protection are not supplied with the equipment.



For additional parts and information, contact your nearest Chore-Time distributor or representative.
Find your nearest distributor at: www.choretime.com/contacts

CTB, Inc.
PO Box 2000
Milford, Indiana 46542-2000 USA
Phone (574) 658-4101 Fax (877) 730-8825
Email: choretime@choretime.com
Internet: www.choretime.com

Installation and Operators Manual

Contents

Topic Page

Introduction 1
Follow Safety Instructions 1
DANGER: Moving Parts 1
DANGER: Electrical Hazard 1

Installation 3
Switch assembly/Installation 3
Switch Adjustment 3

Wiring 4
DANGER: Electrical Hazard 4
. 4

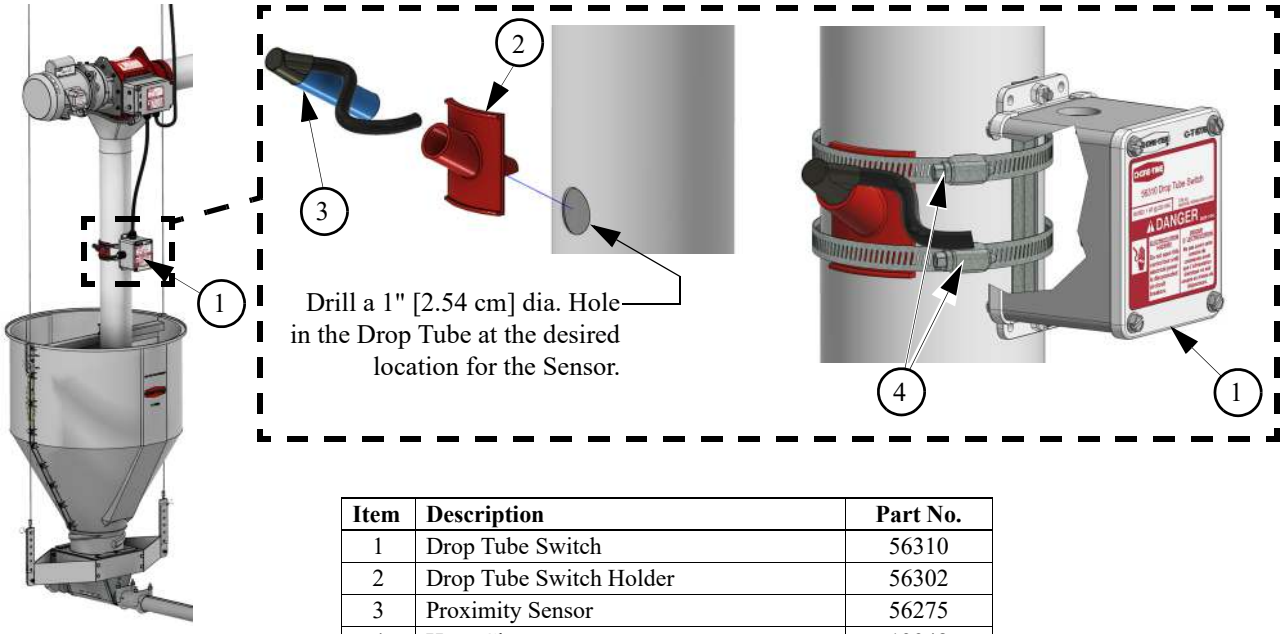
Parts Listing 5
56310 Drop Tube Switch 5

Installation

Switch assembly/Installation

Mounting the Drop Tube Switch in the Last Hopper lower than all the other Hopper Switches will prevent all other Hoppers from running out of feed before the Switch activates to fill the system.

Attach the Switch to the Drop Tube **as shown**.



Item	Description	Part No.
1	Drop Tube Switch	56310
2	Drop Tube Switch Holder	56302
3	Proximity Sensor	56275
4	Hose Clamp	13948

Figure 1.Installation

Switch Adjustment

Drop Tube Switch is pre-adjusted at the factory to a delay of "90" seconds. The delay may be changed for a specific installation.

Time Delay Adjustment

- For Less Time: Turn the **Time Delay Adjustment Screw** counter-clockwise (light blinks faster).

- For More Time: Turn the **Time Delay Adjustment Screw** clockwise. (light blinks slower)

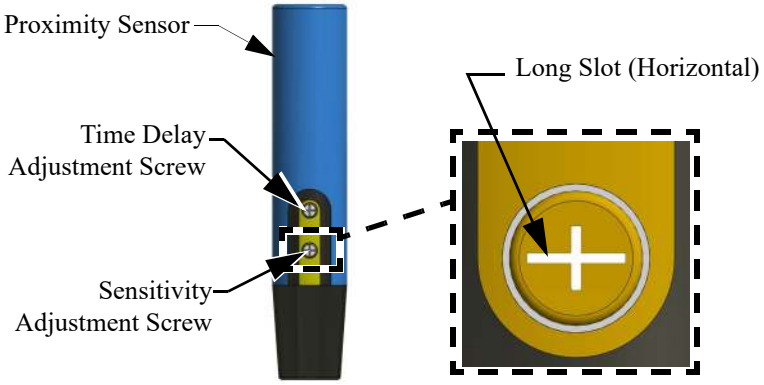


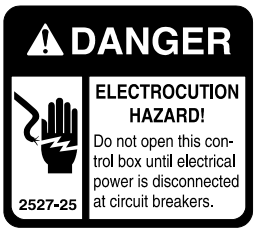
Figure 2.Switch Adjustment

Sensitivity Adjustment

- **The Sensitivity Adjustment Screw** is set from the factory and glued in place. If for some reason Sensitivity Adjustment needs reset to the factory setting: Turn Adjustment Screw all the way Counter-Clockwise, then Rotate Clockwise until the long slot is Horizontal.

Wiring

DANGER: Electrical Hazard



Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.
Ground all electrical equipment for safety.
All electrical wiring must be done by a qualified electrician in accordance with local and national electric codes.
Ground all non-current carrying metal parts to guard against electrical shock.
Electrical disconnects and over current protection are not supplied with the equipment.

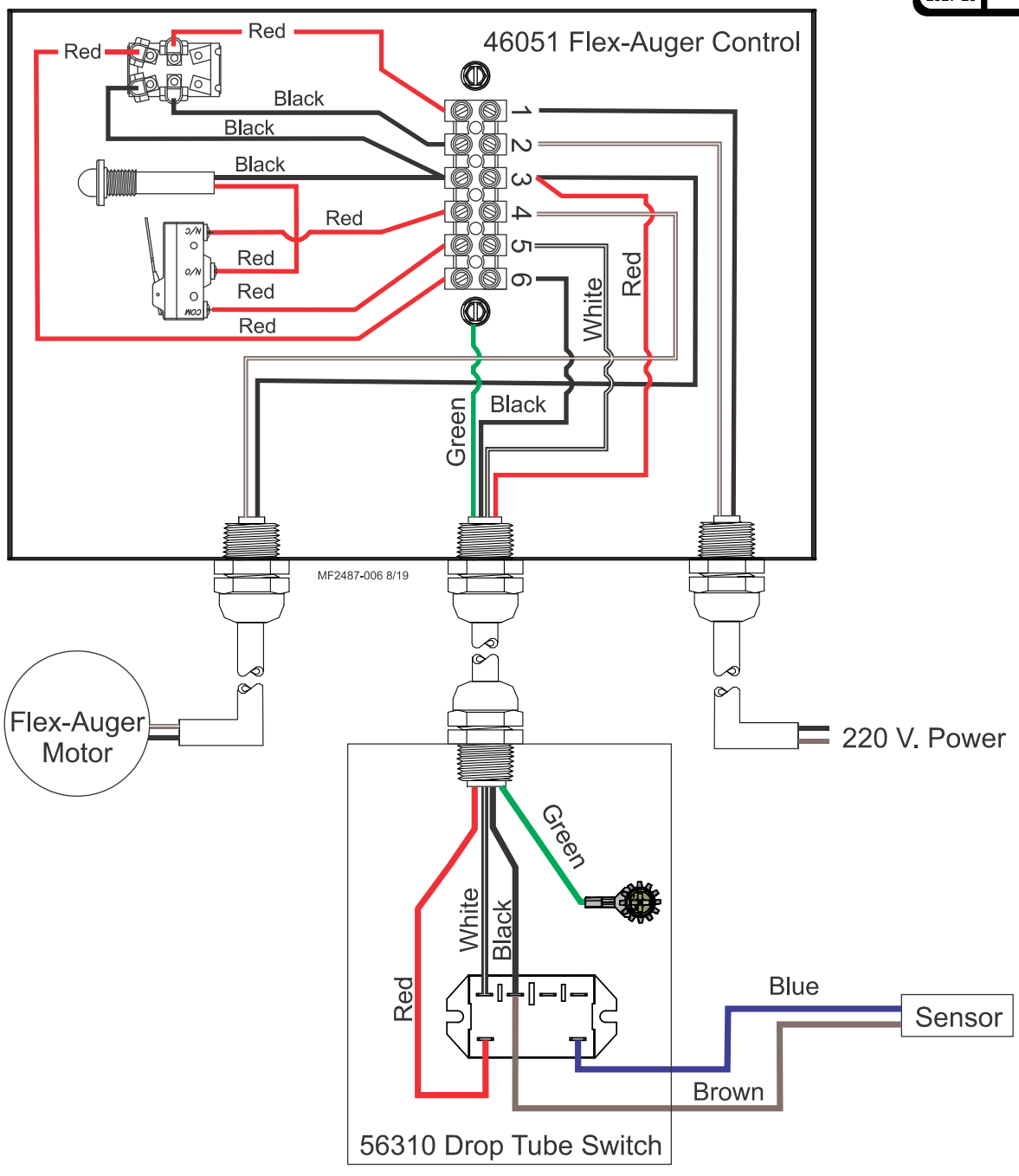
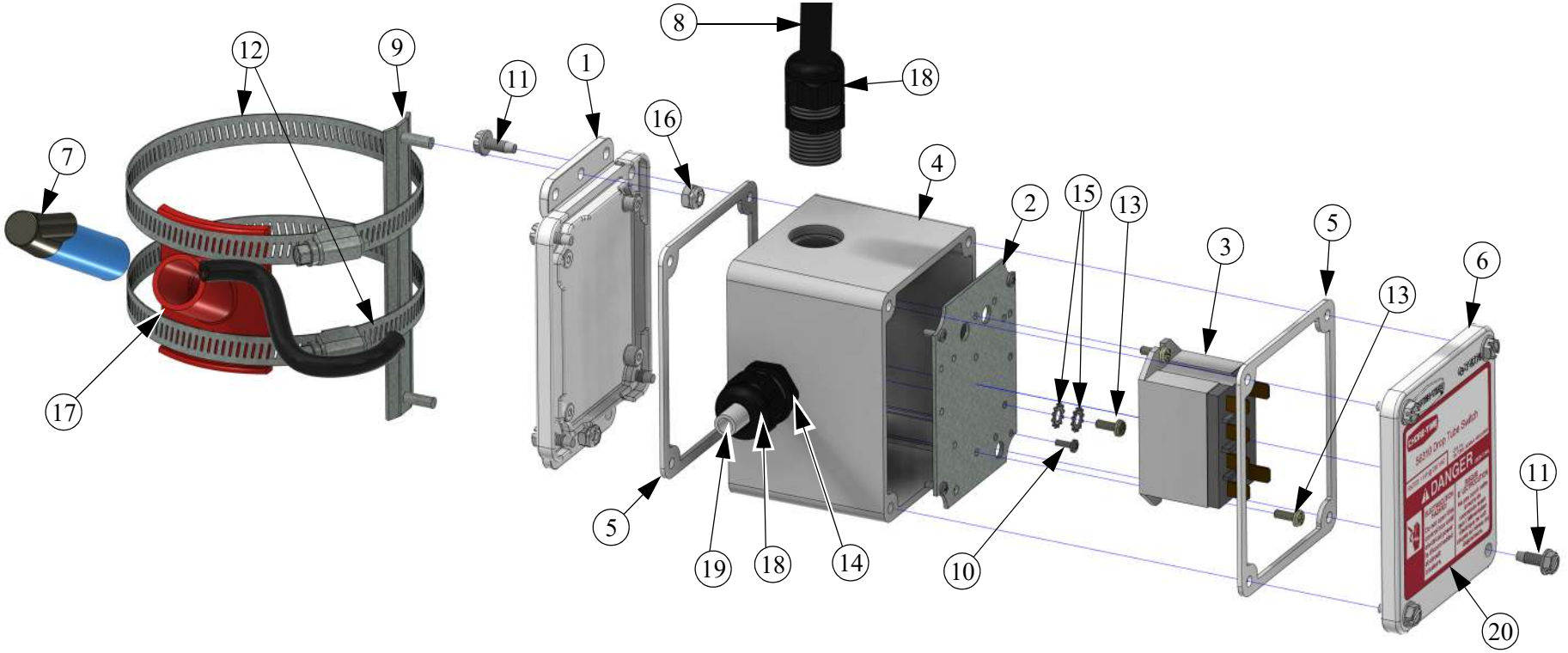


Figure 3.Wiring

Parts Listing

56310 Drop Tube Switch



Item	Description	Part No.
1	Terminal Box Mounting Cover	6956
2	Relay Mount for Control	52316-2
3	Omron Relay	28904
4	General Purpose Box	42627-16
5	Switch Box Gasket	6777
6	Switch Box Cover	6776
7	Proximity Sensor	56275
8	Cord Assembly	4999-125
9	Mounting Bracket	52315
10	Pan H SFTP #6-32 Screw	35493

Item	Description	Part No.
11	#10 x .5 HXWH Screw	28075
12	5" Hose Clamp	13948
13	#6-32 x 3/8 Phil Pan H Screw	34660
14	.5 x 1.058 x .265 Nylon Lock Nut	43662
15	Lock Washer	305
16	Hx Lock Nut w/Nylon Insert	34019
17	Drop Tube Switch Holder	56302
18	Liquid Tight Connector	23779
19	.25 x 2 Vinyl Tubing	14454-2
20	56310 Drop Tube Switch Decal	2529-1194

MADE TO WORK.

BUILT TO LAST.®

Revisions to this Manual

Page No.	Description of Change	ECO
Various	A few wording changes	35394

For additional parts and information, contact your nearest Chore-Time distributor or representative.
Find your nearest distributor at: www.choretime.com/contacts

CTB, Inc.
PO Box 2000
Milford, Indiana 46542-2000 USA
Phone (574) 658-4101 Fax (877) 730-8825
Email: choretime@choretime.com
Internet: www.choretime.com