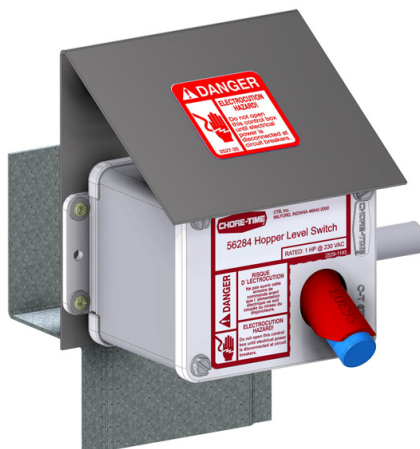




Hopper Level Switch

Part No. 56284



Introduction

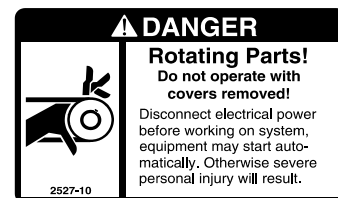
The 56284 Hopper Level Switch is designed for use with any feeding system that carries free flowing feed. The Switch automatically starts and stops the fill system as feed level changes in relationship to the Switch Sensor.

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

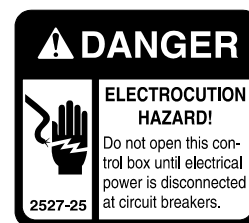
Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.

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

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Contents

Topic	Page
Introduction	1
Follow Safety Instructions	1
DANGER: Moving Parts	1
DANGER: Electrical Hazard	1
Installation	3
Poultry Application	3
Switch assembly/Installation	3
Drop Tube location	3
Switch Location	4
Single Switch Application	4
Multiple Switch Application	4
Switch Adjustment	5
Hog Application	5
Wiring	6
Switch	6
DANGER: Electrical Hazard	6
Electrical disconnects and over current protection are not supplied with the equipment.	6
Wiring to Fill System	6
Parts Listing	7
56284 Hopper Level Switch	7

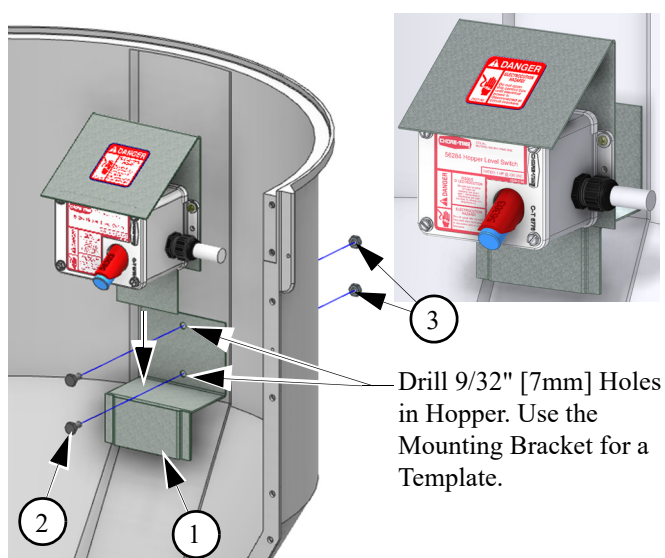
Installation

Poultry Application

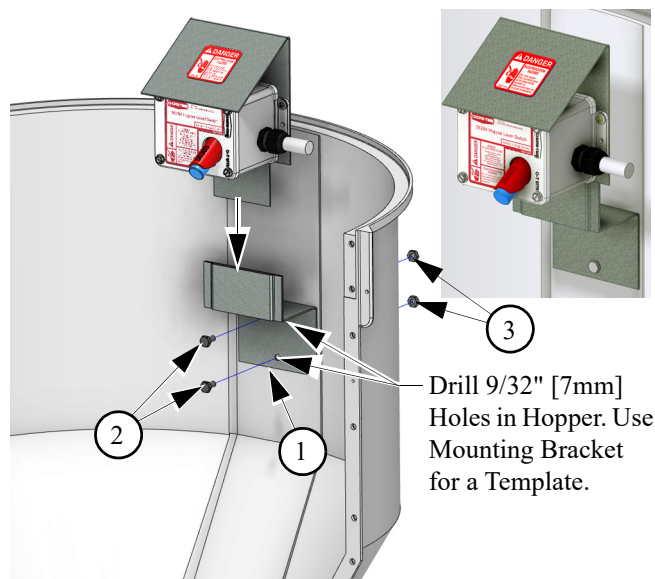
Switch assembly/Installation

See “Switch Location” on page 4 for Switch Height Information.

The Switches are designed for easy removal for Switch adjustment or for house clean-out.



Configuration for Mounting lower in Hopper

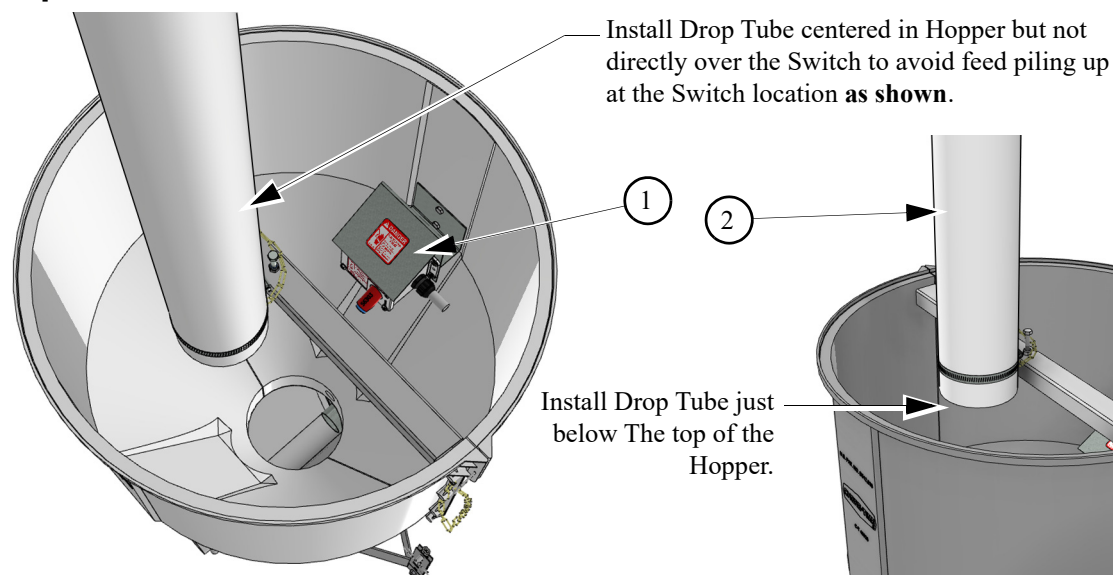


Configuration for Mounting Higher in Hopper

Item	Description	Part No.
1	Hopper Level Control Mounting Bracket	2911
2	1/4-20 x .50 Bolt	1487
3	1/4-20 Nut	751

Figure 1.Installation

Drop Tube location



Item	Description	Part No.
1	Hopper Level Control Switch	56284
2	Drop Tube	--

Figure 2.Drop Tube location

Switch Location

Control Unit Hopper: Mounting the Hopper Level Switch in the final Hopper lower than all other hoppers will prevent all other Hoppers from running out of feed before the Switch activates to fill the system. (See Figure 3.)

Single Switch Application

Place the Hopper Level Switch in the final Hopper (**Control Unit Hopper**). Ensure that the Control Pan(s) attached to this Hopper are set at a lower level setting than the rest of the Pans on the line to ensure the line activates often enough to keep all pans filled.

Multiple Switch Application

Hopper Level Switches may be placed in more than one Hopper to ensure that no Hopper empties before the Control Unit Hopper requires feed. All Switches must be wired in parallel so any one switch can start the system.

Note: Multiple Switch systems can pack and trip the Motor if not managed properly. Make Sure the Switch in the Control Unit Hopper is lower than the rest of the Switches.

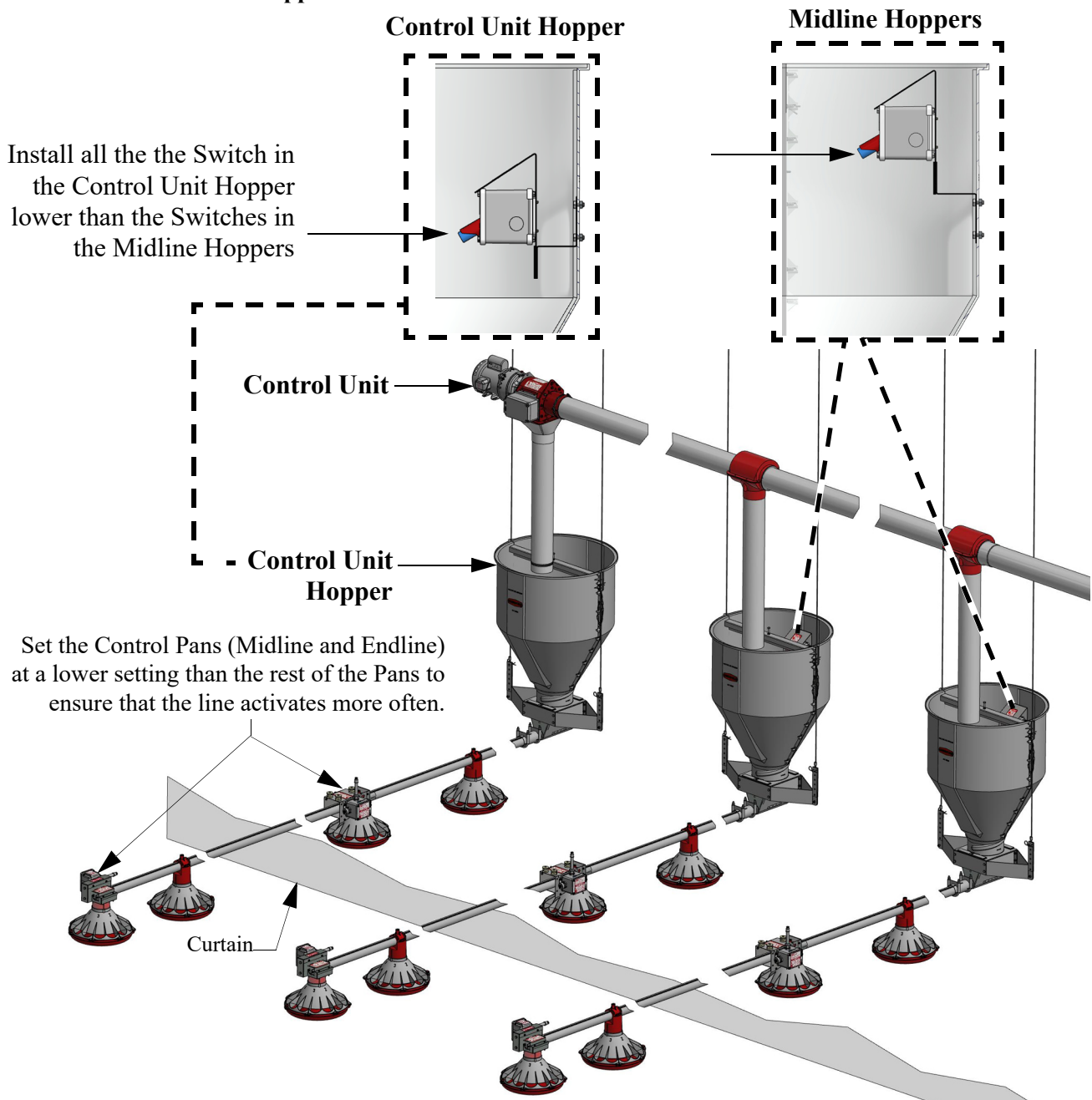


Figure 3. Switch Location

Switch Adjustment

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

Use the included Small Screw Driver included to adjust the switch.

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)

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.

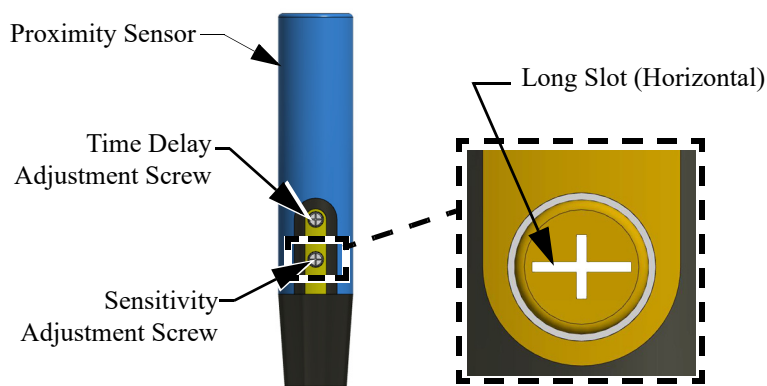
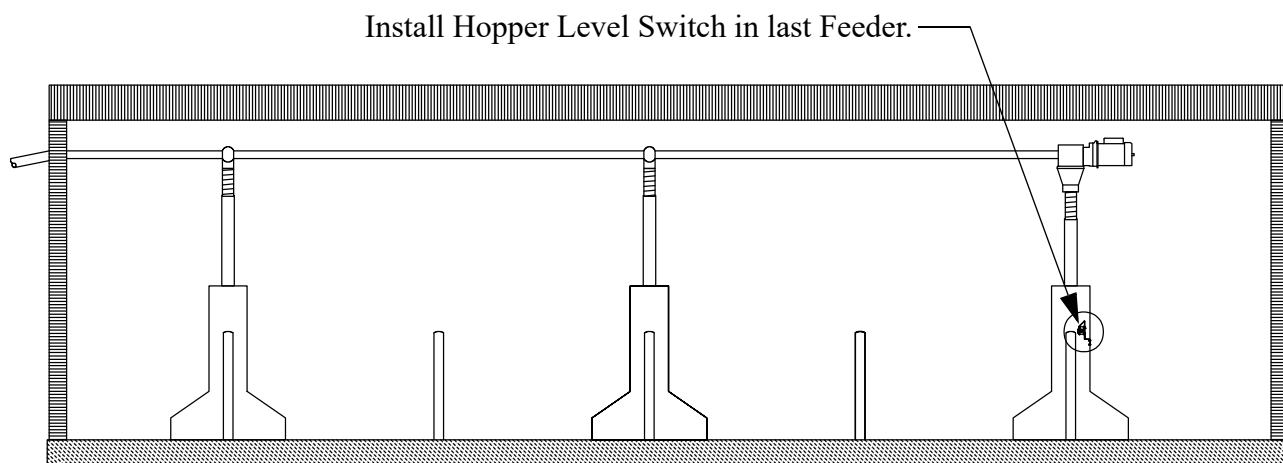


Figure 4. Switch Adjustment

Hog Application

In most Hog installations, The Hopper Level Control is located in the Feeder at the end of the Fill System.

Installation is very similar to the Poultry application. Attach the Hopper Level Switch similarly to the Poultry application shown in "Switch assembly/Installation" on page 3.



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Figure 5. Switch Adjustment

Wiring

Switch

DANGER: Electrical Hazard

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

Ground all electrical equipment for safety.

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Wiring to Fill System

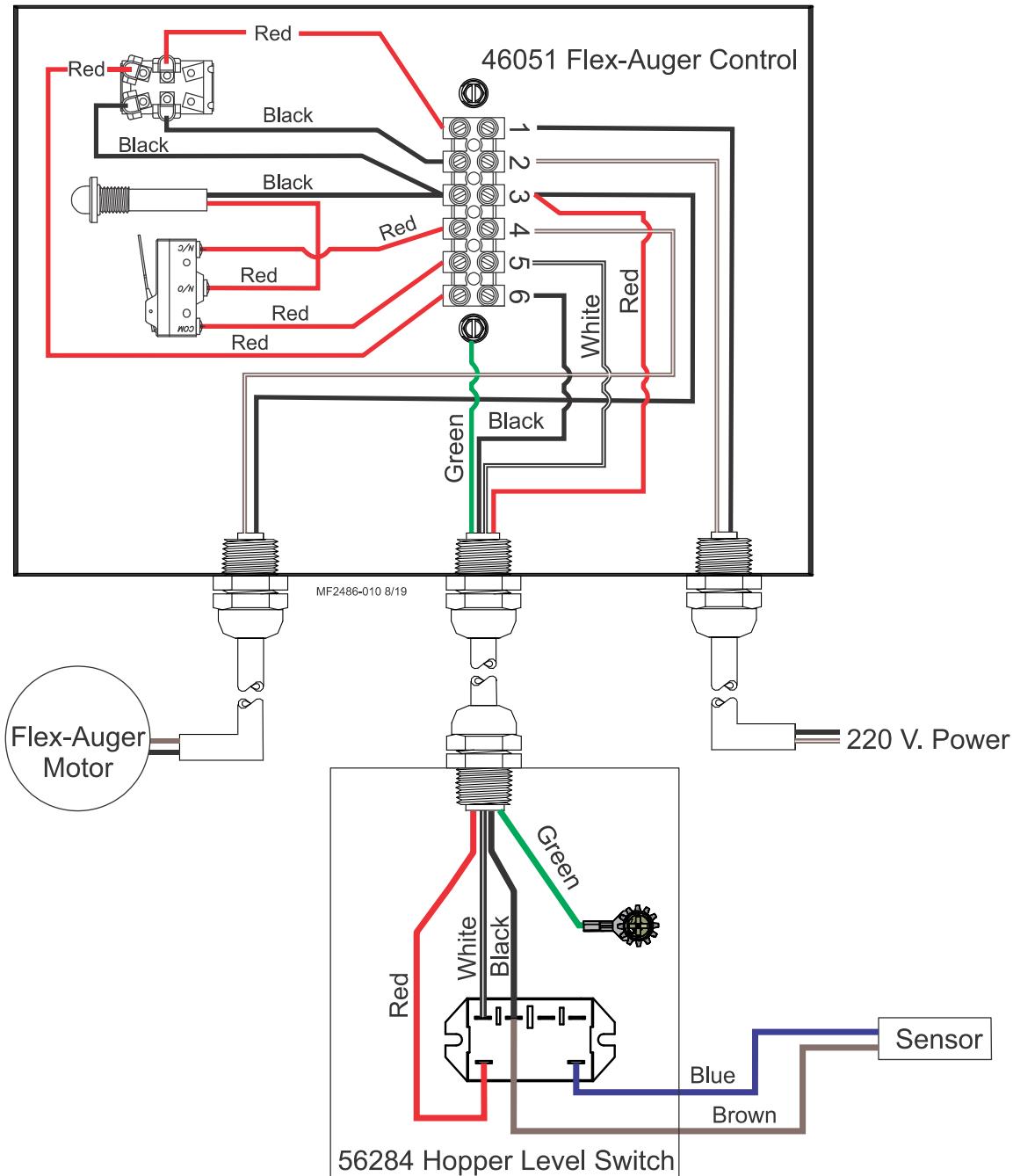


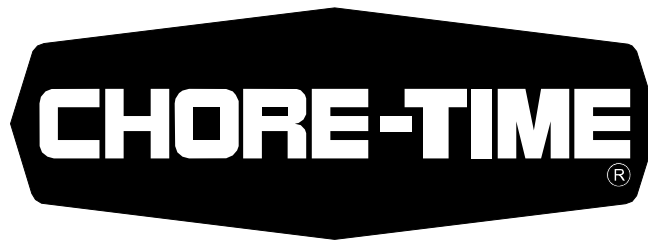
Figure 6. Wiring

This exploded view diagram illustrates the assembly of the SCOM 1000W Laser Switch. The components are numbered as follows:

- 1:** Red and blue laser switch handle.
- 2:** Laser switch housing.
- 3:** Laser switch housing cover.
- 4:** Laser switch housing base.
- 5:** Laser switch housing top cover.
- 6:** Laser switch housing cover plate.
- 7:** Laser switch handle mounting bracket.
- 8:** Laser switch handle mounting bracket.
- 9:** Laser switch housing cover plate.
- 10:** Laser switch housing cover plate.
- 11:** Laser switch handle mounting bracket.
- 12:** Laser switch handle mounting bracket.
- 13:** Laser switch handle mounting bracket.
- 14:** Laser switch handle mounting bracket.
- 15:** Laser switch handle mounting bracket.
- 16:** Laser switch handle mounting bracket.
- 17:** Laser switch handle mounting bracket.
- 18:** Laser switch handle mounting bracket.
- 19:** Laser switch handle mounting bracket.
- 20:** Laser switch handle mounting bracket.
- 21:** Laser switch handle mounting bracket.
- 22:** Laser switch handle mounting bracket.
- 23:** Laser switch handle mounting bracket.

Item	Description	Part No.
13	#6-32 x 3/8 Phil Pan H Screw	34660
14	.188 x .438 x .051 Washer	149
15	.5 x 1.058 x .265 Nylon Lock Nut	43662
16	Lock Washer	305
17	56284 Hopper Level Switch Decal	2529-1193
18	90 Deg Terminal	7822
19	Wire Nut	756-2
20	Mounting Bracket Assembly	2911
21	1/4-20 HXHD Nut	751
22	Liquid Tight Connector	23779
23	1/4-20 Bolt	1487

MF2486B



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Revisions to this Manual

Page No.	Description of Change	ECO
	Updated Switch Adjustment Info	35188

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