

# Proximity Switch Wiring Bulletin

Installations using a Proximity Boot Switch (part numbers 34779 or 34780) instead of a mechanical Boot Switch (part numbers 30944 or 30945) must be wired according to the wiring diagram provided.

**The Proximity Switch requires a constant 230 volt power supply between the black and white wires.**

**Warning: Make sure ALL power sources supplying your system are disconnected at the circuit breakers before performing any service work.**

## Setting the Delay

The Proximity Switch includes an adjustable delay. The delay may be set from 1 second to 10 minutes.

Use the small screwdriver provided to turn the Delay Adjustment. Turn the screw counterclockwise until the light stays on. Turn the adjustment screw clockwise one complete revolution. This sets the delay to 1 second.

To increase the delay, turn the adjustment screw clockwise.

Quick flashes = shorter time delay. Slow flashes = longer time delay.

## Adjusting the Sensitivity

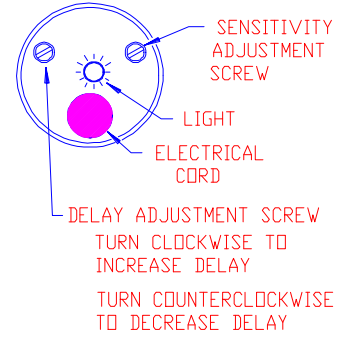
The Proximity Switch includes a Sensitivity Adjustment Screw. It may be set to sense feed 0 to 15 mm from end of switch.

**The switch is set to the recommended sensitivity for most feed types.**

If sensitivity does need to be adjusted, remove the sealing caulk to allow access to the Sensitivity Adjustment Screw.

Note the screw orientation before turning the Sensitivity Adjustment Screw. Fine tune the switch sensitivity by making 1/4 turns or less to the Sensitivity Adjustment Screw.

PROXIMITY SWITCH (END VIEW)



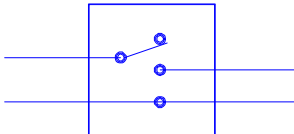
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## IMPORTANT:

The wiring diagram decal (on the Switch) represents the switch in the non-powered condition. When power is applied the N.O. and N.C. contacts reverse.

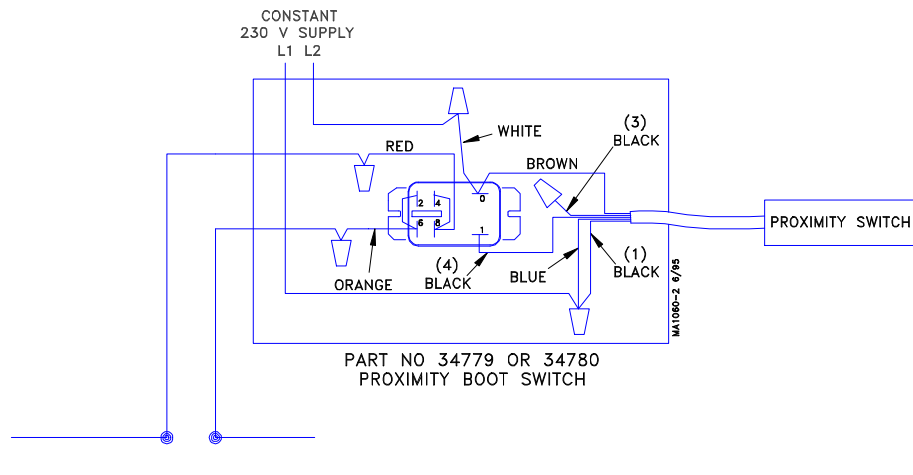
Refer to the wiring diagram in this instruction when wiring the Proximity Switch.

## Mechanical Boot Switch Wiring



BOOT SWITCH  
(WHEN REQUIRED)

## Proximity Boot Switch Wiring

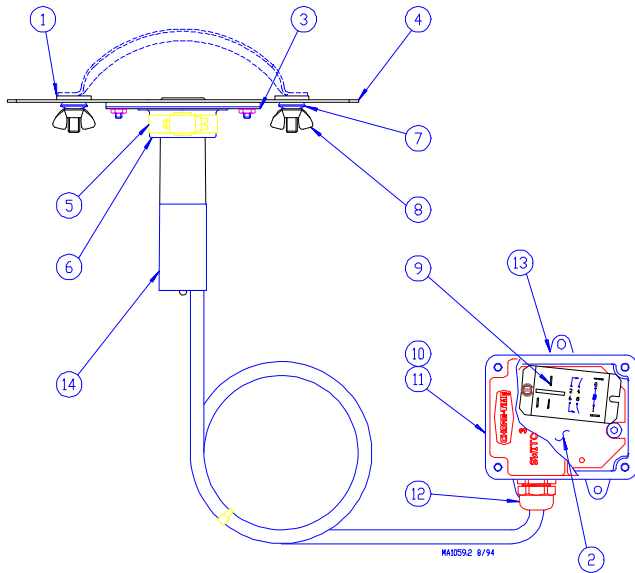


Chore-Time Equipment, A Division of CTB, Inc.  
P.O. Box 2000, Milford, Indiana 46542-2000  
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**Flag & Twin Boot Proximity Switch: Part No. 34779**

**Single Boot Proximity Switch: Part No. 34780**



Item	Description	Part No.
1	Retainer Bracket	30942*
2	Retainer Bracket (w/Handle)	30943*
3	Box Plate	24321
4	Window Plate	7842
5	Switch Cover Plate	30941
6	Adjustable Clamp	3527
7	Proximity Plate Weldment	34758
8	Sealing Washer	8491
9	5/16-18 Wing Nut	2146
10	230 V. Relay	34733
11	Switch Box Gasket	6777
12	Switch Box Cover	6776
13	1/2" Liquid Tight Connector	23779
14	Switch Box	24702
	Proximity Switch	34255

Note: Flag and Twin Boot Proximity Switch applications use part number 30942 Retainer Bracket. Single Boot Proximity Switch applications use part number 30943 Retainer Bracket.