Horton
AUTOMATICS
1-800-531-3111

BELT DRIVE SUPPLEMENTAL INSTRUCTIONS

Autolock Installation for 2001 & 2003 Bipart units   **S200**
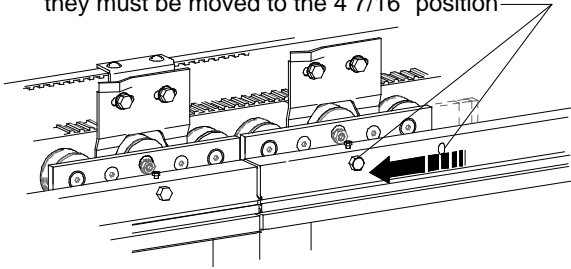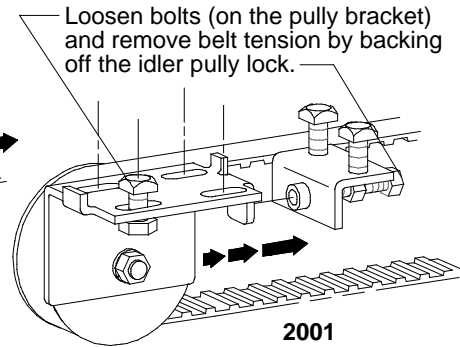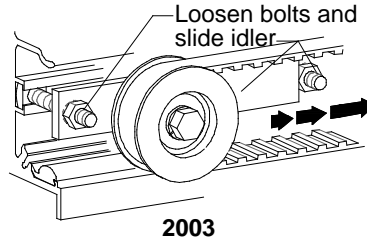
10/99

1st Step
If the wheel carriages are located at the 9 1/2" position they must be moved to the 4 7/16" position

2nd Step
Loosen the belt.
Loosen bolts and slide idler

Loosen bolts (on the pully bracket) and remove belt tension by backing off the idler pully lock.

2003

2001

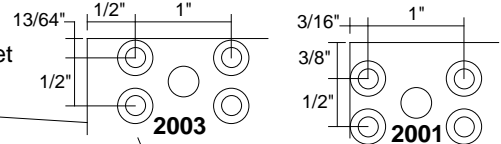**CAUTION:**
Disconnect power before starting this procedure.

NOTE: If necessary the existing bracket may be drilled and countersunk for #10 screws as shown.
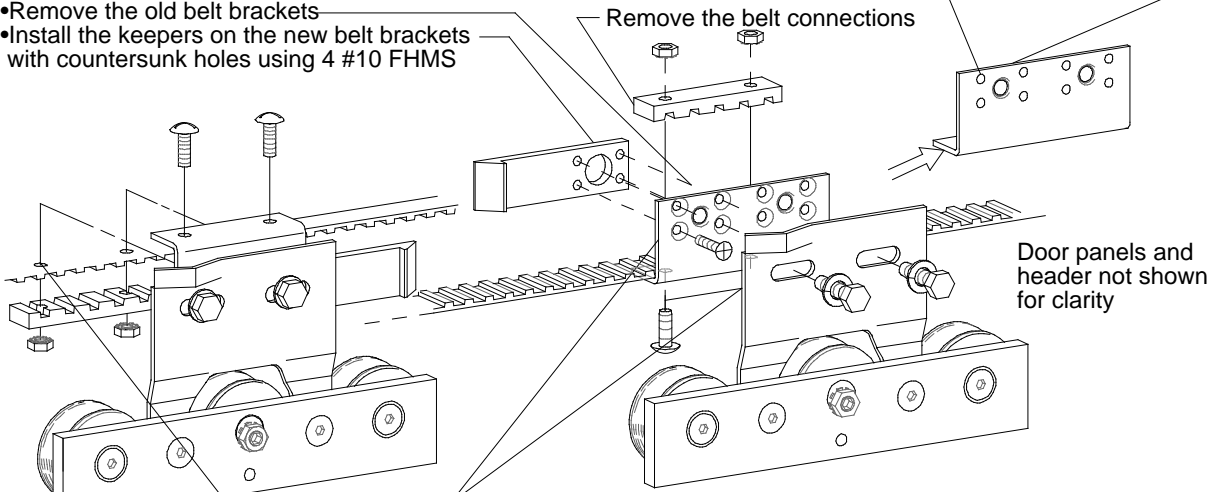
13/64" 1/2" 1"
1/2"
2003

3/16" 1"
3/8"
1/2"
2001

4th Step
• Remove the old belt brackets
• Install the keepers on the new belt brackets with countersunk holes using 4 #10 FHMS

3rd Step
Remove the belt connections

Door panels and header not shown for clarity

6th Step
Re-connect the belt through the existing holes.

5th Step
Install the brackets to the wheel carriages as shown

2003 lock is shown 2001 lock is similar
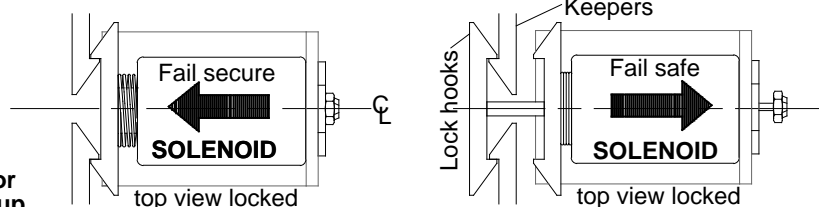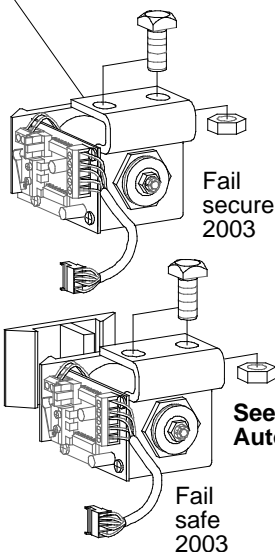
7th Step
2003
Slide 2 square head bolts into the "T" slot in the top of the header.
Place the bolts in the center of the header.
Access is gained through relief holes cut in the "T" slot.
(additional relief holes may be cut if required)

2001

First slot

Fail secure 2003
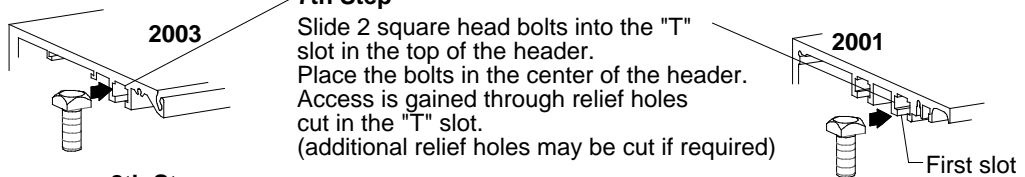
8th Step
• Place the Autolock at the centerline of the header and mount with 5/16" nuts and washers (do not tighten).
• Place the door in the fully closed position - the lock should contact the keepers with out binding. Tighten the 5/16"(2003) or 3/8"(2001) nuts.
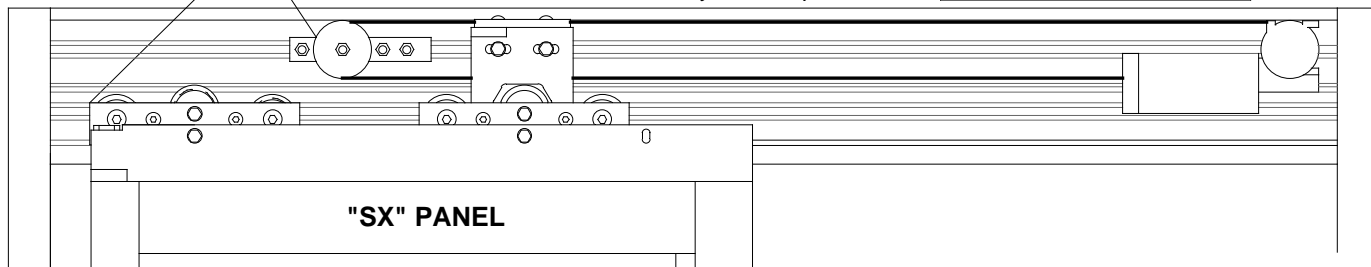
Keepers

See page 4 for Autolock setup

Fail secure
←
SOLENOID
top view locked

Lock hooks

Fail safe
→
SOLENOID
top view locked

Fail safe 2003

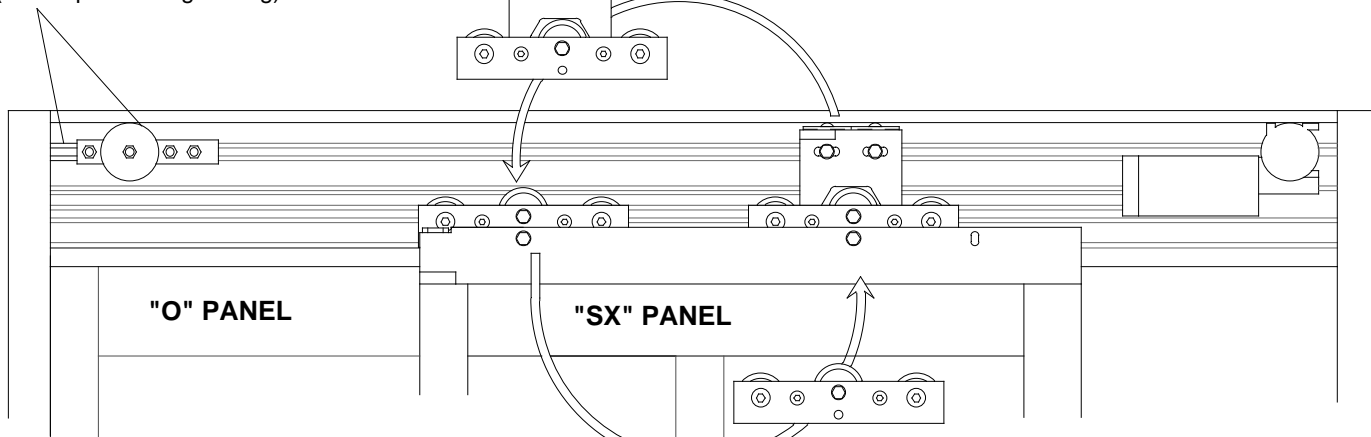**9th Step**
Re-position the close monitor switch. Re-tighten the belt.

2.205d

1st Step
Put the door at full open and mark this position.
The belt idler will have to be moved beyond this point.

CAUTION:
Disconnect power before
starting this procedure.

"SX" PANEL

3rd Step
•Dismount the wheel carriages and move the
drive assembly to the back and the idler to the
front.
•Mount the keeper to the drive assembly.
(see steps 3 thru 6 page 1)

2nd Step
Move the idler to the end of the header.
(allow space for tightening)

"O" PANEL

"SX" PANEL

4th Step
•Install a new continuous belt
•Make splice connection at the drive assembly
•Tension the new belt

5th Step
Mount the autolock and relocate the
closed monitor switch
(see steps 7,8 & 9 page 1)

"O" PANEL

"SX" PANEL

See page 4 for
Autolock setup

2.206d

BELT DRIVE SUPPLEMENTAL INSTRUCTIONS

Autolock Installation for 2001 & SX-O units   S200.2

Horton
AUTOMATICS
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CAUTION:
Disconnect power before starting this procedure.

1st Step
Disconnect and remove the belt.
A new belt will be installed later

CONTROL

POWER SUPPLY

"SX" PANEL   **"O" PANEL**

3rd Step
•Dismount the power supply and re-position left of the control.
NOTE:
Incoming 120VAC may need additional length added. 5 conductor lace may need additional length.
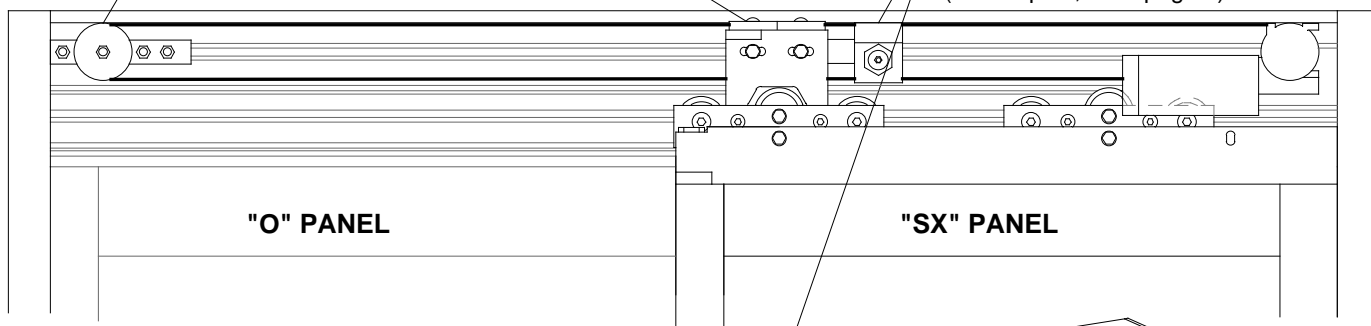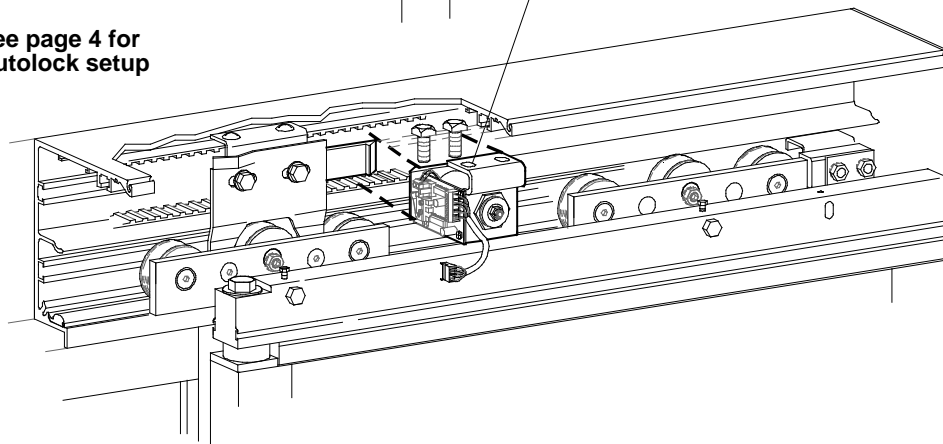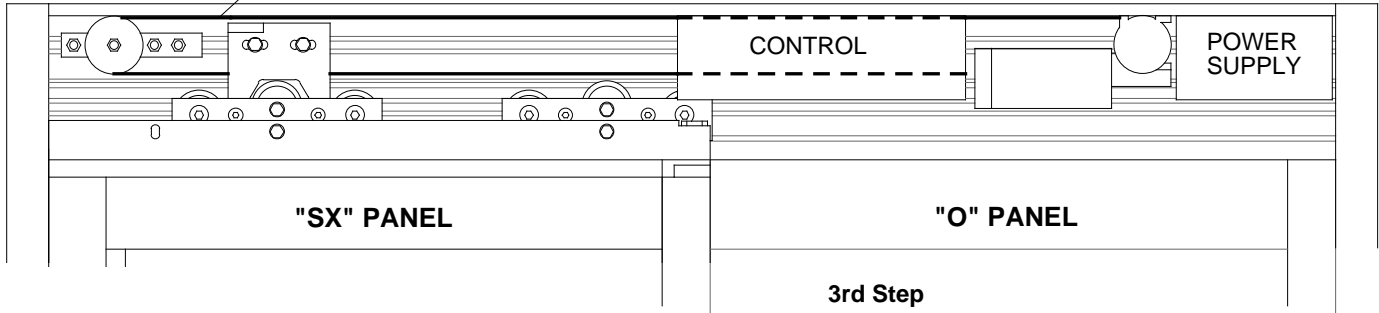
2nd Step
•Dismount the wheel carriages and move the drive assembly to the back and the idler to the front.
•Mount the keeper to the drive assembly. (see steps 3 thru 6 page 1)
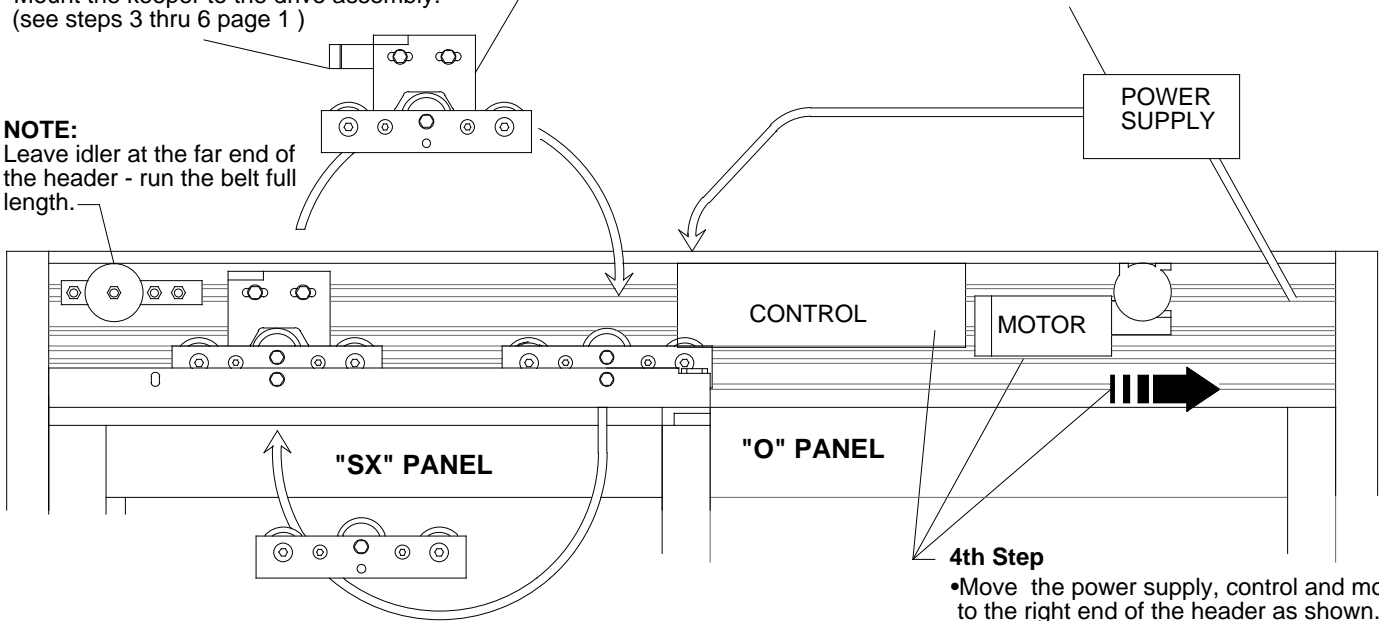
NOTE:
Leave idler at the far end of the header - run the belt full length.

POWER SUPPLY

CONTROL

MOTOR

"SX" PANEL   **"O" PANEL**

4th Step
•Move the power supply, control and motor to the right end of the header as shown.
NOTE: Motor and gear drive should be against the end cap for proper position.

5th Step
•Install a new continuous belt
•Make splice connection at the drive assembly
 NOTE:Connect to lower belt
•Tension the new belt

POWER SUPPLY   CONTROL

MOTOR

"SX" PANEL   **"O" PANEL**
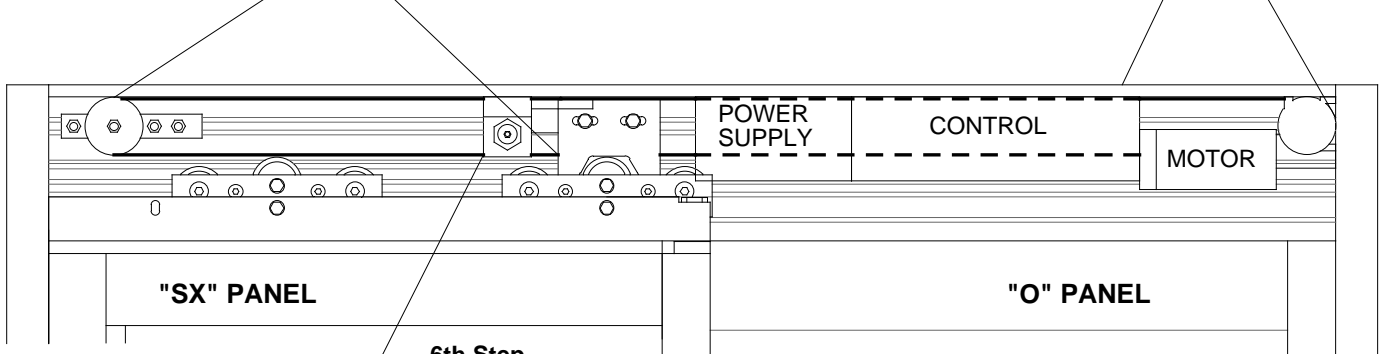
6th Step
Mount the autolock and relocate the closed monitor switch
(see steps 7,8 & 9 page 1)

See page 4 for autolock setup

2.207d

BELT DRIVE SUPPLEMENTAL INSTRUCTIONS

Autolock Setup & Initilization for 2001 & 2003 units   S200.3

10/99

LOCK (Orange)

CODE DISPLAY

RESET
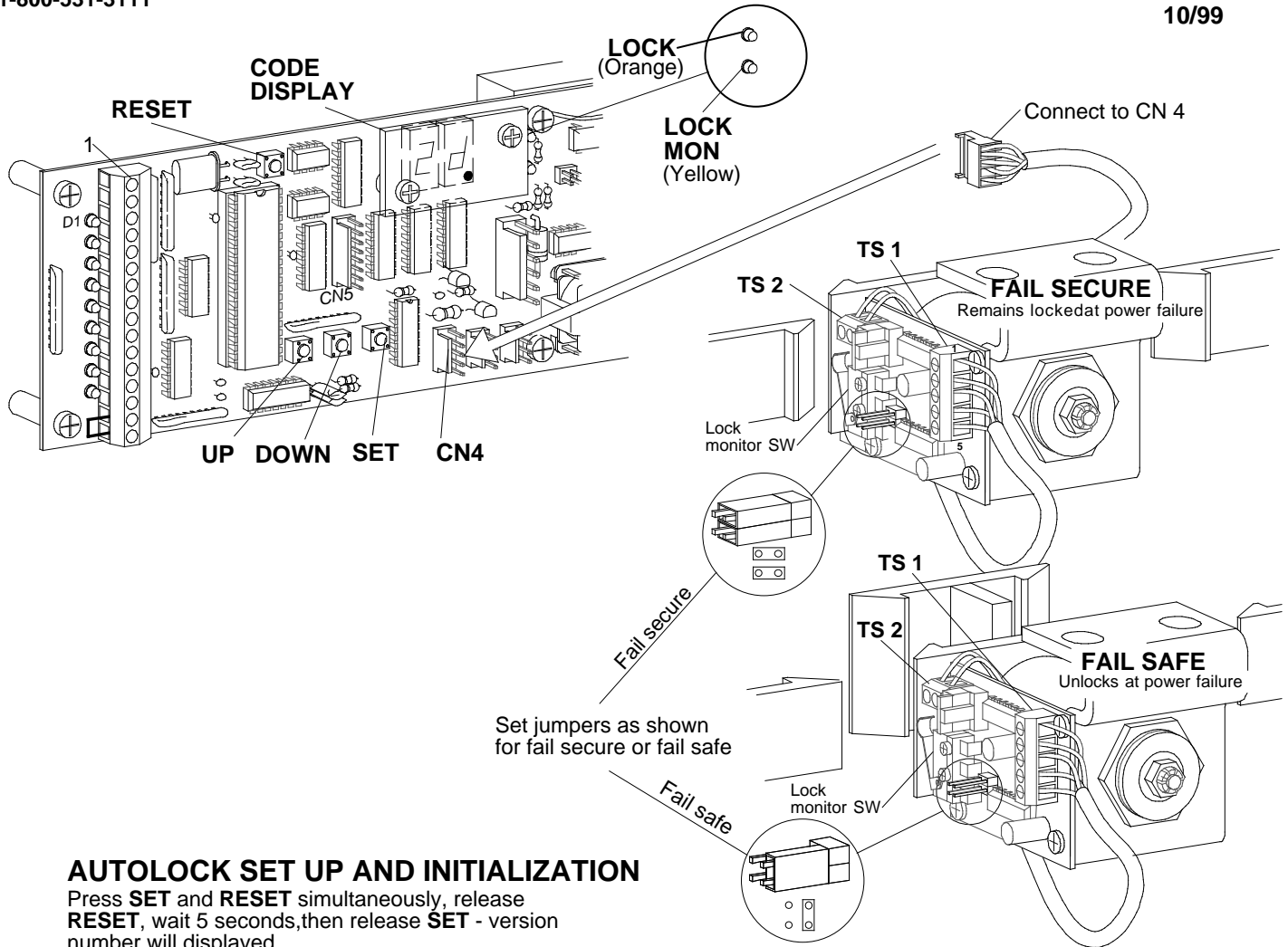
LOCK MON (Yellow)

Connect to CN 4

1

D1

CN5

UP   DOWN   SET   CN4

TS 1

TS 2

FAIL SECURE
Remains lockedat power failure

Lock monitor SW

5

Fail secure

TS 1

TS 2

FAIL SAFE
Unlocks at power failure

Lock monitor SW

Fail safe
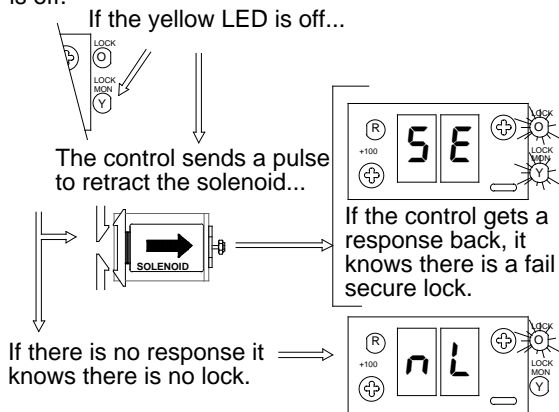
Set jumpers as shown for fail secure or fail safe

AUTOLOCK SET UP AND INITIALIZATION

Press **SET** and **RESET** simultaneously, release **RESET**, wait 5 seconds,then release **SET** - version number will displayed.
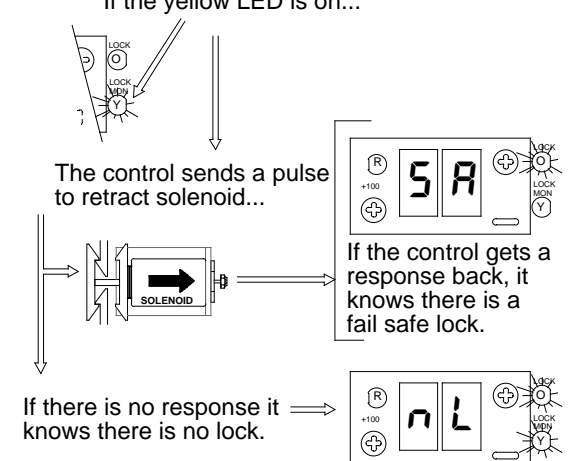During initialization the control clears all ports and the solenoid becomes inactive.

FAIL SECURE

The C2150 looks to see if there is a contact at the lock port CN4 and if the yellow lock monitor LED is off.

If the yellow LED is off...

LOCK
LOCK MON

The control sends a pulse to retract the solenoid...

SOLENOID

R +100   **SE**   LOCK LOCK MON

If the control gets a response back, it knows there is a fail secure lock.

If there is no response it knows there is no lock.

R +100   **nL**   LOCK LOCK MON

FAIL SAFE

The C2150 looks to see if there is a contact at the lock port CN4 and if the yellow lock monitor LED is on.

If the yellow LED is on...

LOCK
LOCK MON

The control sends a pulse to retract solenoid...

SOLENOID

R +100   **SA**   LOCK LOCK MON

If the control gets a response back, it knows there is a fail safe lock.

If there is no response it knows there is no lock.

R +100   **nL**   LOCK LOCK MON

NOTE: See H202 Rev. 9/99 for further information and trouble shooting Autolocks.