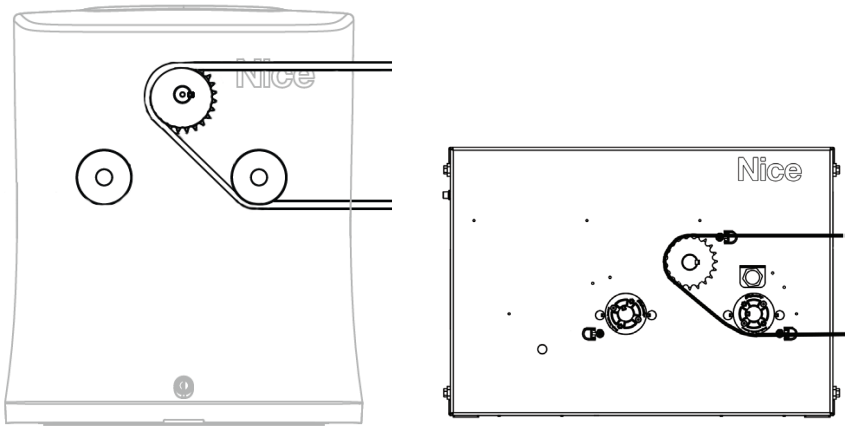
Instruction: Rear Mounted SlideSmart™ 535 & OSCO 725



Slide Gate Operators

Rear Mount Instructions

Nice

SlideSmart 535: Limit Magnets and Chain Cover

ADD NEW REAR MOUNT SENSOR

(Note: Reverse Mount Kit P/N MX5980)

1. Temporarily attach the rear cover using a minimum of two (2) screws.
2. Align template for LH or RH over the output shaft. Verify top of template is parallel to back panel.
3. Trace top of template to mark section of cover material that must be removed (Figure 1).

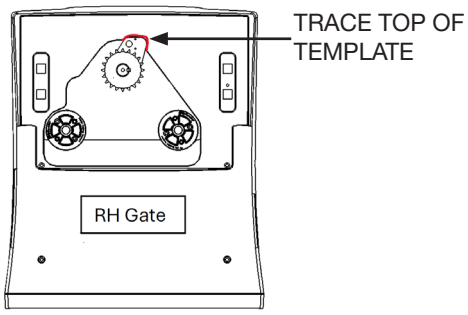


Figure 1. Trace Top of Template

4. Remove the back cover.
5. Using a Dremel tool or grinder, cut out only the traced section of the cover to give clearance for the target sensor (Figure 2).

Note: Removing too much material may result in water intrusion when the chain cover is removed.

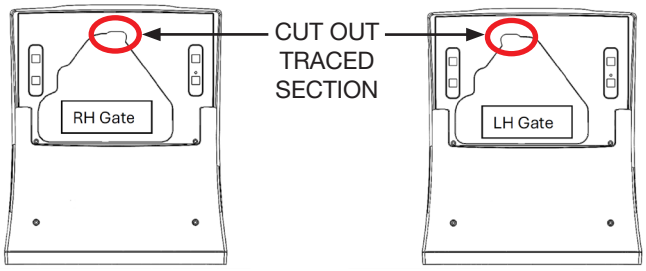


Figure 2. Cutout for Limit Sensor

6. With Dremel tool or grinder, remove area on the chain cover according to LH or RH installation (Figure 3).
7. Align the template with back panel and mark hole centers.

Note: Template can be clamped to the back panel and used as a drill guide.

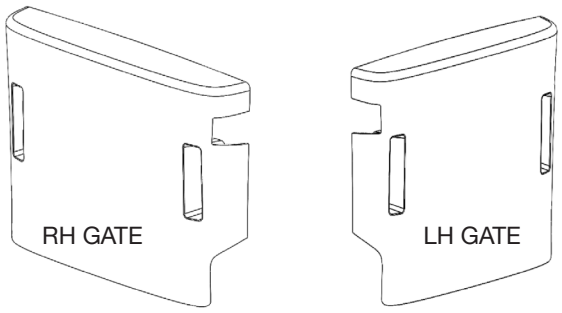


Figure 3. Cutout on Chain Cover

8. Drill two 0.125" (3.2 mm) limit sensor mounting holes. Drill one 0.5" (12.7 mm) cable access hole (Figure 4).
9. Run the limit sensor connector through the back panel and attach bushing.
10. With M3 hardware, secure limit sensor. M3 lock nuts should be on the inside of the back panel.

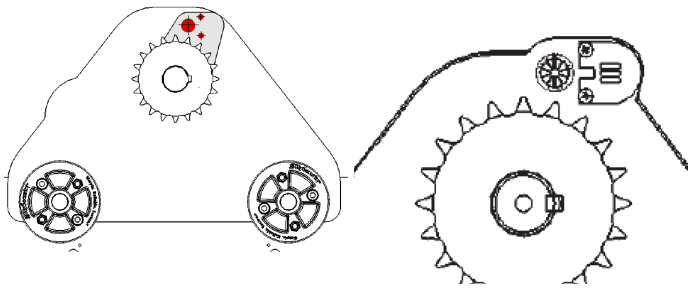


Figure 4. Drill Holes for Limit Sensor

11. Route the new limit sensor wire through the chassis.

Note: One of the existing sensors will be unused and disconnected.

- For a rear mounted LH operator, disconnect L1 (unused sensor), move existing sensor L2 to L1. Connect new sensor to L2.
- For a rear mounted RH operator, disconnect L2 (unused sensor), move existing sensor L1 to L2. Connect new sensor to L1.

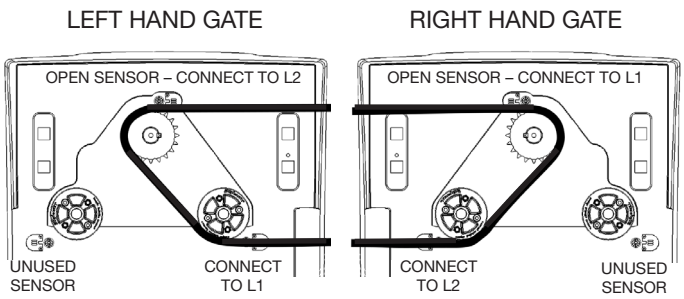


Figure 5. Limit Sensor Locations

SlideSmart 535: Limit Magnets and Chain Cover

ATTACHING LIMIT MAGNETS

The SlideSmart 535 **requires two limit magnets** for the firmware's gate position monitoring, serving as Full Open/Full Close position limits.

(Note: Limit Magnets P/N MX4430)

1. Set the AC and DC switches to OFF.
2. Push the gate to the Full Close position.

Note: Do not set limits at the physical Open and Close stop. Leave a 1-2 inch (2.5-5 cm) gap to allow slack in the chain, to prevent wear, and avoid stress on the gate hardware.

3. With a permanent marker, mark the inner/rolling link directly in front of the limit sensor.
4. Push the gate open ~12 inches to access the mark on the chain.
5. Attach the limit magnet to the marked link (Figure 6). Point the magnet towards the operator.

Note: The Open Limit magnet will mount on top side of chain. The Closed Limit magnet attaches to the bottom side of the chain.

6. Repeat steps 2-5 for the Open position magnet.

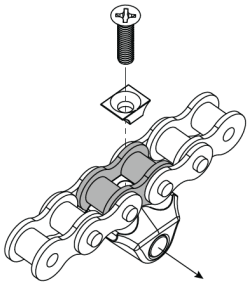


Figure 6. Limit Magnet Faces Operator Attached to Inner/Roller Link

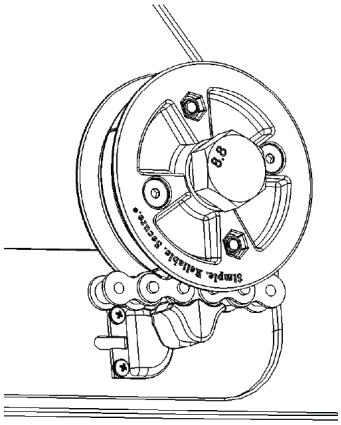


Figure 7. Magnet aligns with Limit Sensor at Full Open and Close Positions

VERIFY LIMITS & ATTACH CHAIN COVER

1. With the DC power switch OFF and AC power switch ON, manually push the gate between Full Open and Full Close positions. Verify that the correct LEDs (Open or Close) illuminate on the SmartTouch 725 Controller (Figure 8). If incorrect LEDs illuminate, switch L1 and L2 positions on drive board.
2. Align the chain cover tabs to the rear cover slots and then push down to snap it in place (Figure 9).
3. For additional safety, install the lock pin to prevent easy removal of the chain cover (Figure 10).



Figure 8. Open and Close Limit LEDs

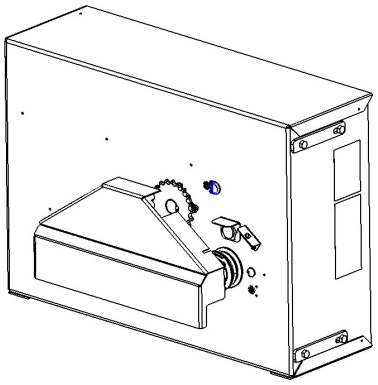


Figure 9. Attach Chain Cover

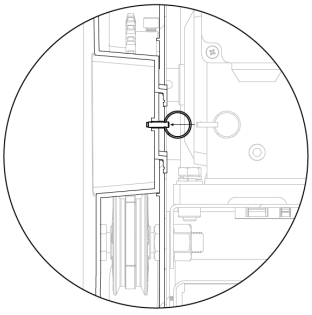
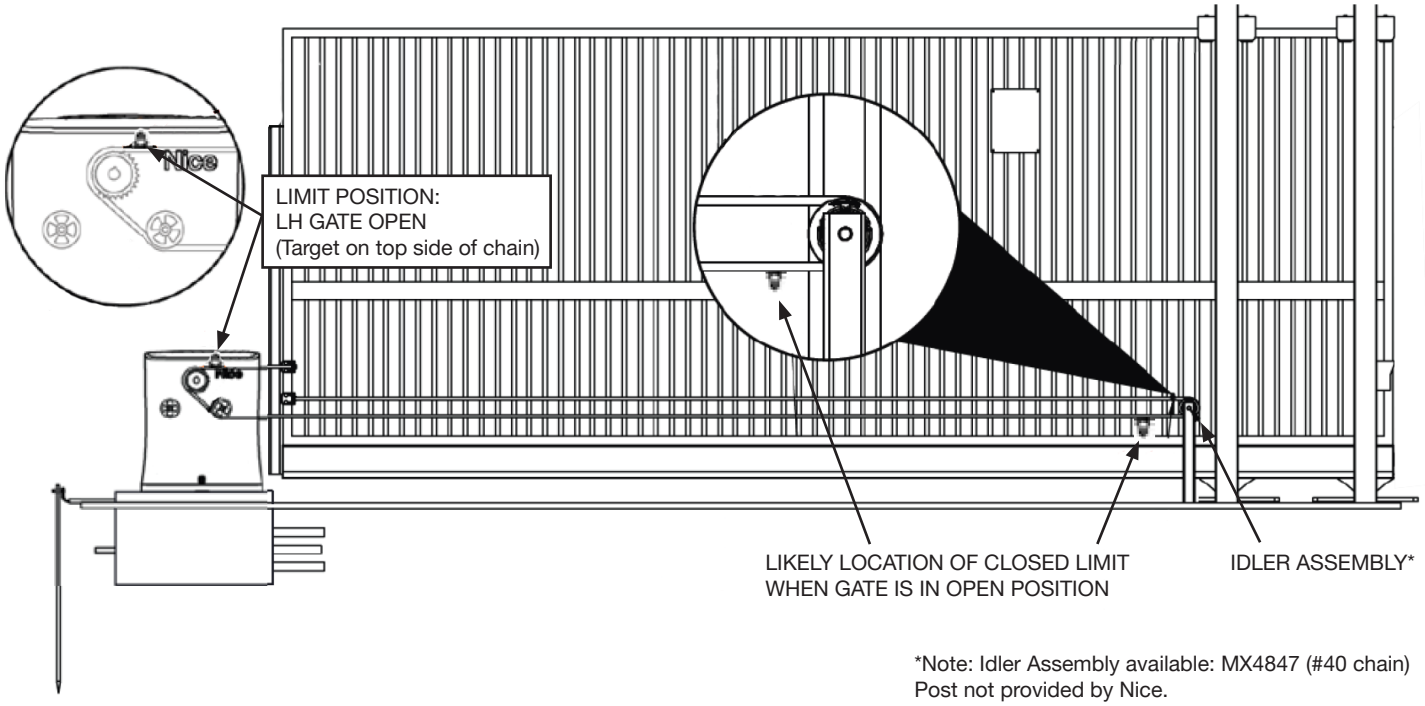


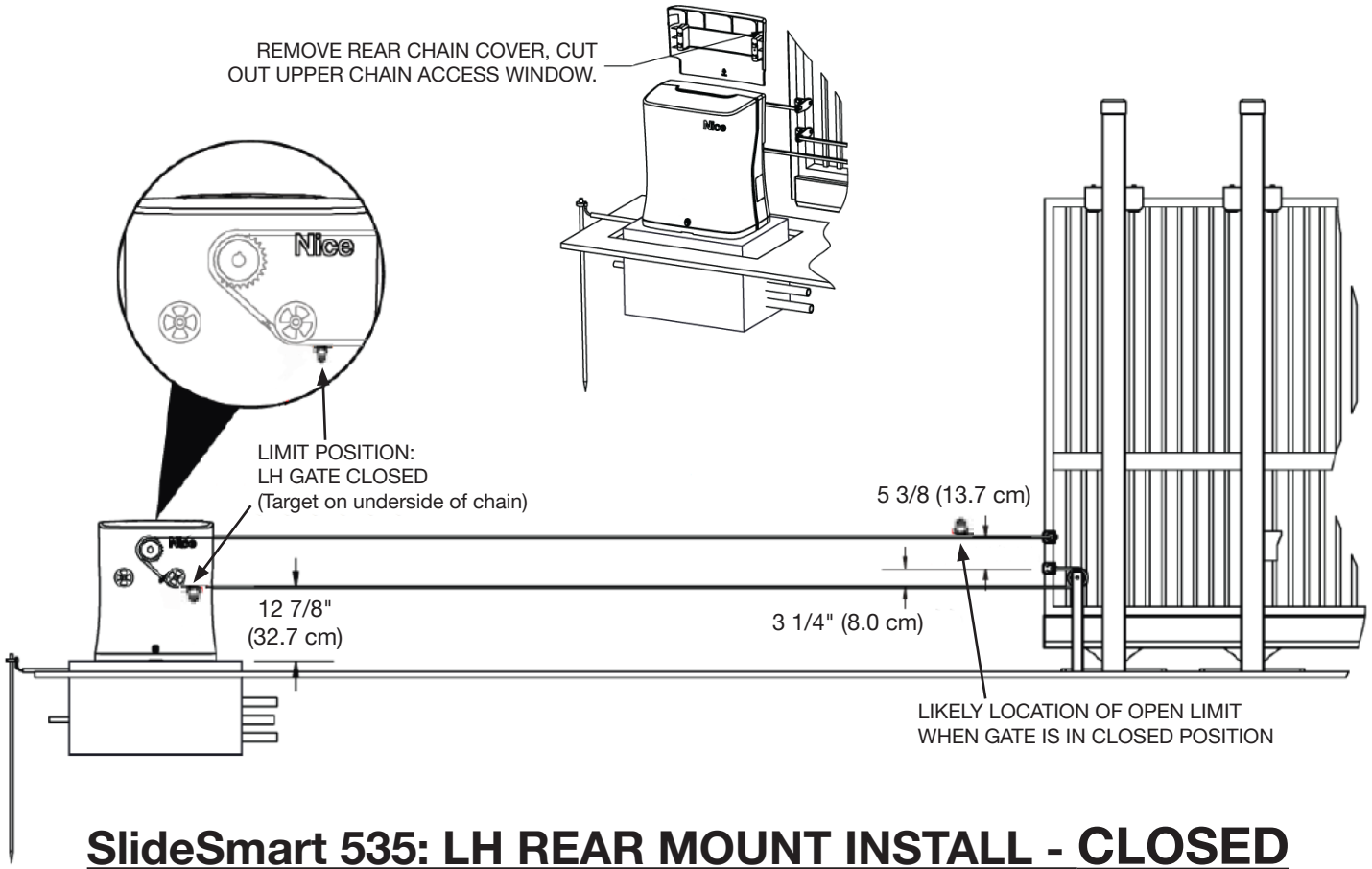
Figure 10. Install Lock Pin

SlideSmart 535: Rear Installation - Left Hand



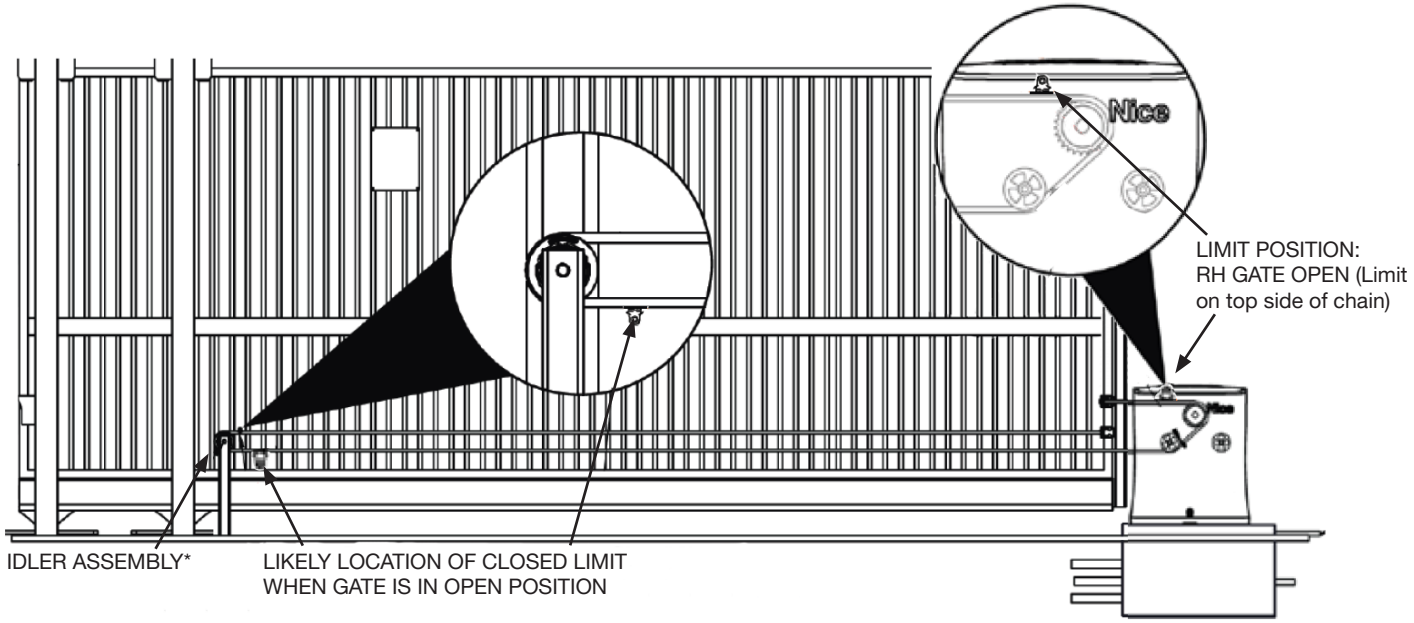
*Note: Idler Assembly available: MX4847 (#40 chain)
Post not provided by Nice.

SlideSmart 535: LH REAR MOUNT INSTALL - OPEN



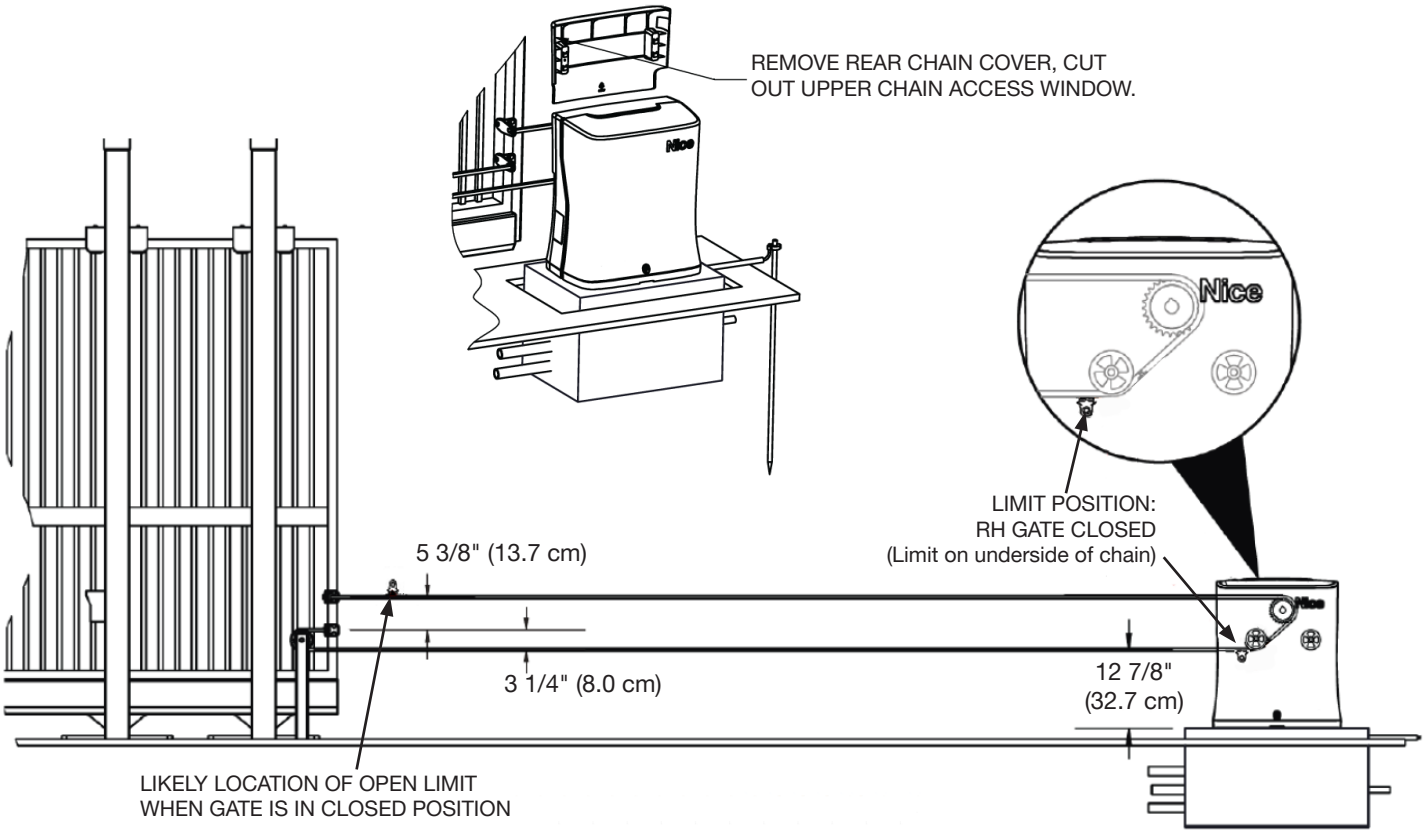
SlideSmart 535: LH REAR MOUNT INSTALL - CLOSED

SlideSmart 535: Rear Installation - Right Hand



* Note: Idler Assembly available: MX4847 (#40 chain)
Post not provided by Nice

SlideSmart 535: RH REAR MOUNT INSTALL - OPEN



SlideSmart 535: RH REAR MOUNT INSTALL - CLOSED

OSCO 725: Limit Magnets and Chain Cover

ADD NEW REAR MOUNT SENSOR

(Note: Reverse Mount Kit P/N MX6050)

1. With Dremel tool or grinder, follow cut indicator points and remove area on the chain cover according to LH or RH installation (Figure 11).

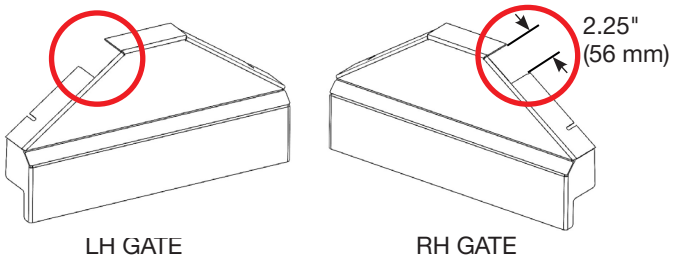


Figure 11. Cutout on Chain Cover

2. Align template parallel to top of chassis.
3. Drill two 0.125" (3.2 mm) limit sensor mounting holes. Drill one 0.5" (12.7 mm) cable access hole (Figure 12).

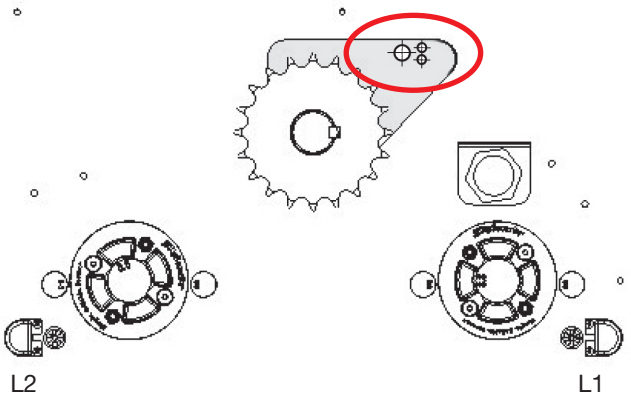


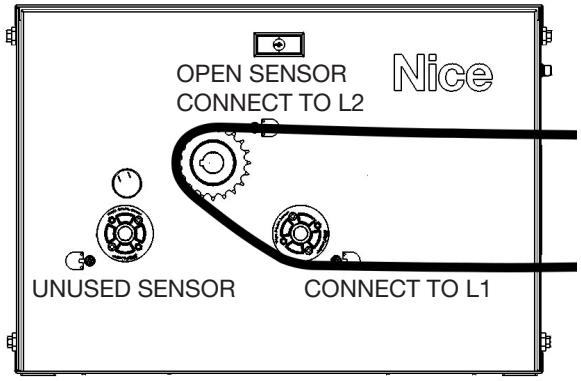
Figure 12. Drill Sensor Mounting and Cable Access Holes (Left Hand Gate shown)

4. Run the new limit sensor connector through the back panel and attach bushing.
5. With M3 hardware, secure limit sensor. M3 lock nuts should be on the inside of the chassis.
6. Route the new limit sensor wire through the chassis.

   Note: One of the existing sensors will be unused and disconnected (Figure 13).

   - For a rear mounted LH operator, disconnect L1 (unused sensor), move existing sensor L2 to L1. Connect new sensor to L2.
   - For a rear mounted RH operator, disconnect L2 (unused sensor), move existing sensor L1 to L2. Connect new sensor to L1.

LEFT HAND GATE



RIGHT HAND GATE

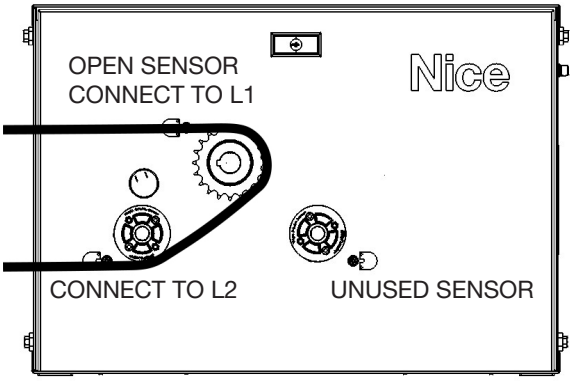


Figure 13. Limit Sensor Locations

OSCO 725: Limit Magnets and Chain Cover

ATTACHING LIMIT MAGNETS

The OSCO 725 **requires two chain-mounted limit magnets** for monitoring, serving as Full Open/Full Close position limits.

Note: Limit Magnets
P/N MX5842 for #40 chain (OSCO-15 & -25)
P/N MX5845 for #50 chain (OSCO-25F & -50)

1. Set the AC and DC switches to OFF.
2. Pull and turn the manual release to allow free rotation of the chain sprocket.

Note: OSCO 725-15 operator does not have manual release. Backdrive the gearbox.

3. Push the gate to the Full Close position.

Note: Do not set limits at the Open and Close physical stop. Leave a 1-2 inch (2.5-5 cm) gap to allow slack in the chain, to prevent wear, and avoid stress on gate hardware.

4. With a permanent marker, mark the chain link directly in front of the limit sensor.
5. Push the gate open ~12 inches to access the mark on the chain.
6. Attach the limit magnet to the marked chain link. Point the magnet towards the operator (Figure 14 and Figure 15).
7. Repeat steps 2-6 for the Open position magnet.

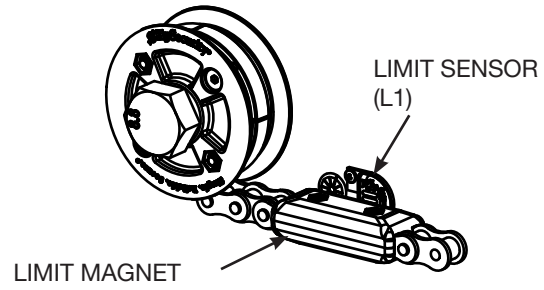


Figure 14. Limit Magnet aligns with Limit Sensor

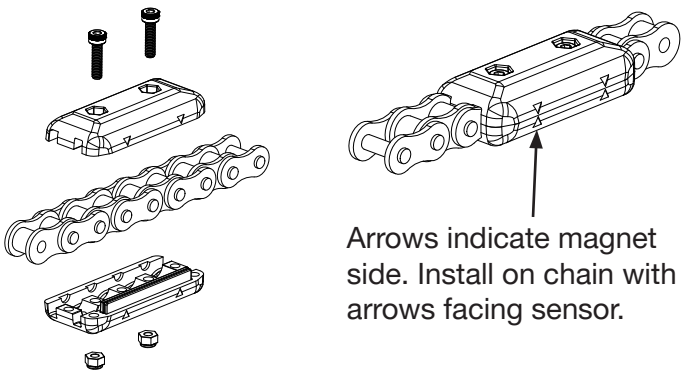


Figure 15. Attach Limit Magnet to Chain

VERIFY LIMITS & ATTACH CHAIN COVER

1. With the DC power switch OFF and AC power switch ON, manually push the gate between Full Open and Full Close positions. Verify that the correct LEDs (Open or Close) illuminate on the SmartTouch 725 Controller (Figure 16). If incorrect LEDs illuminate, switch L1 and L2 positions on drive board.
2. Slide cover into place over the mounting brackets (Figure 17).
3. Tighten screws to secure.



Figure 16. Open and Close Limit LEDs

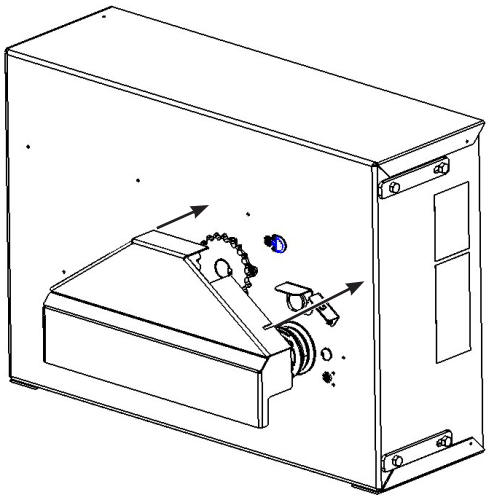
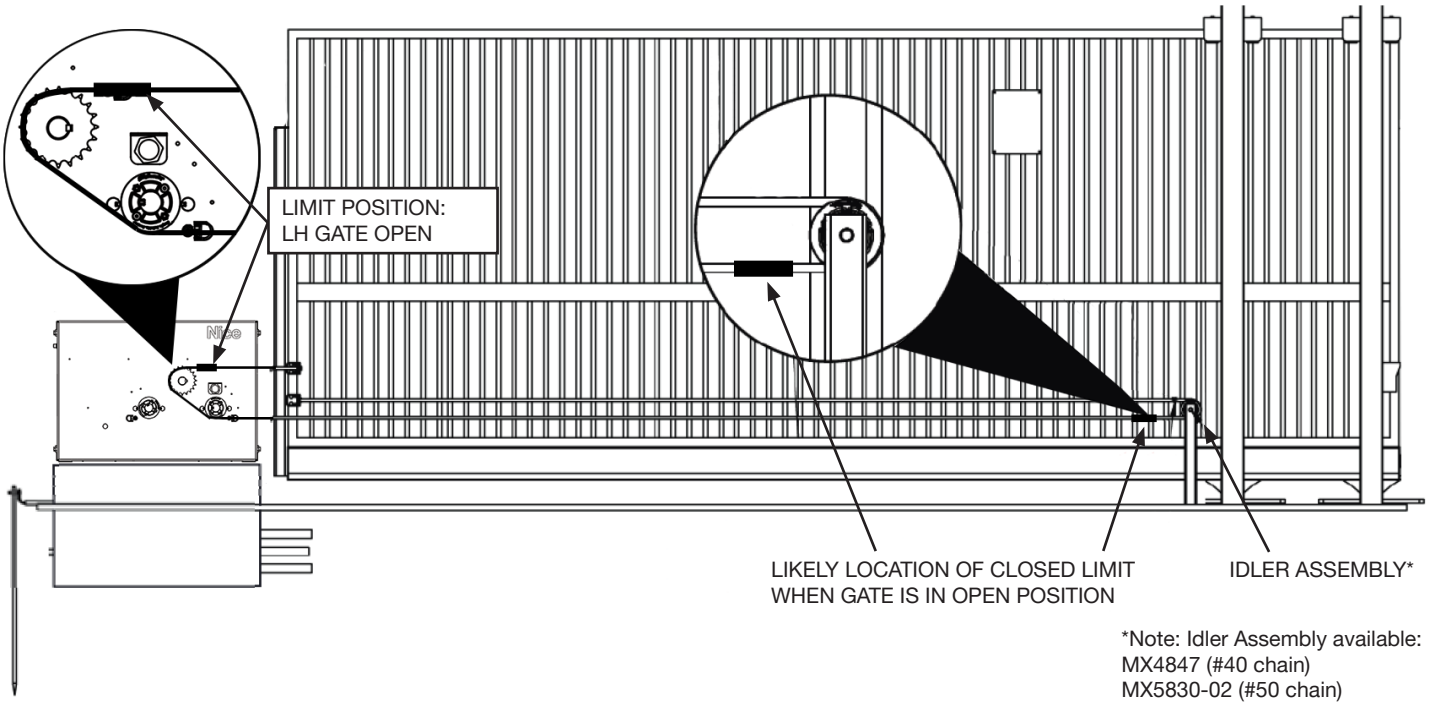


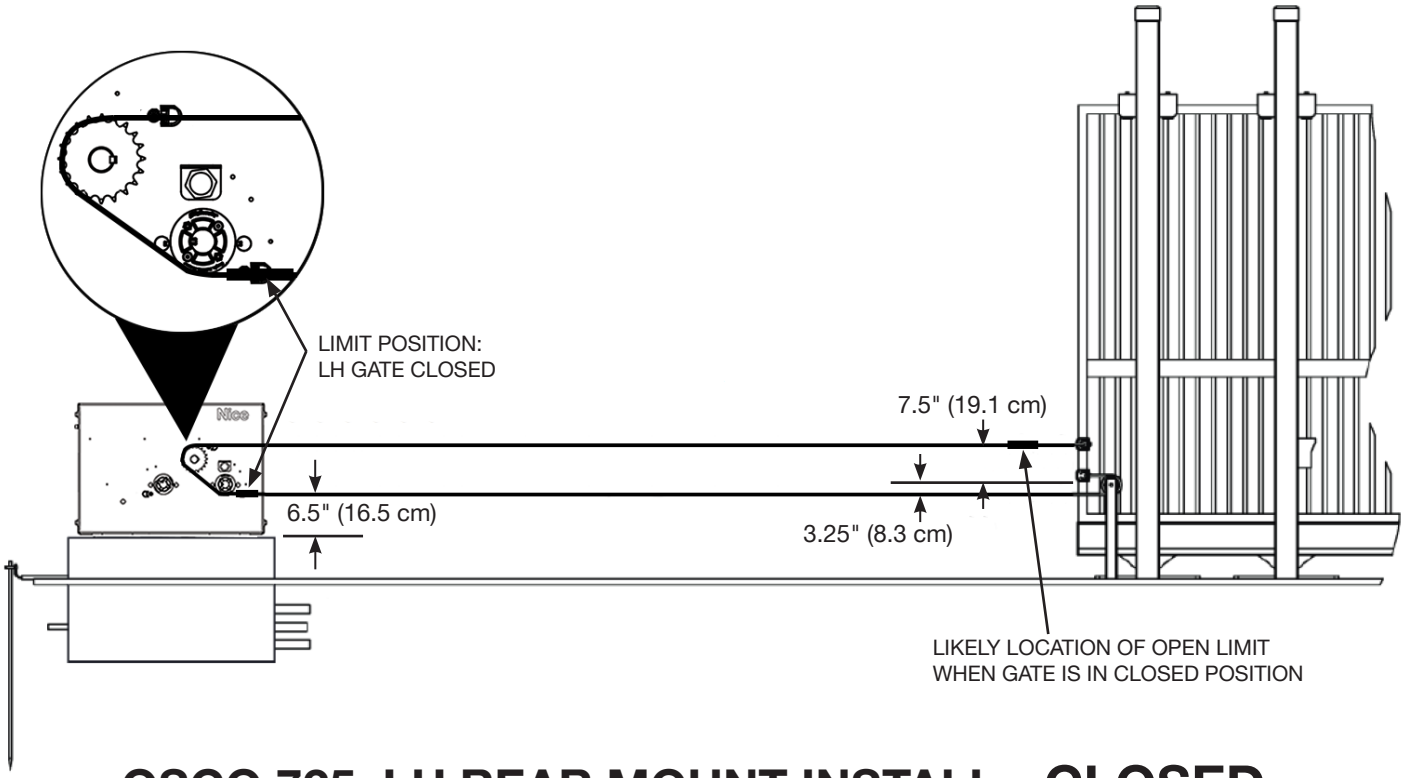
Figure 17. Install Chain Cover

OSCO 725: Rear Installation - Left Hand



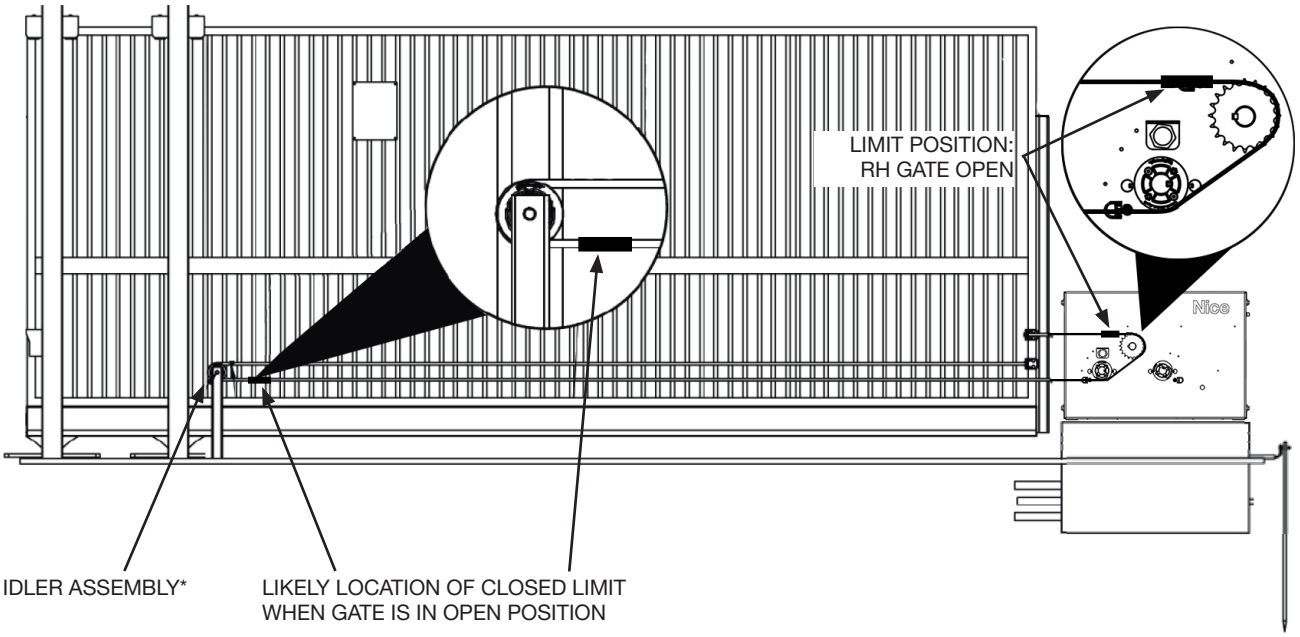
*Note: Idler Assembly available:
MX4847 (#40 chain)
MX5830-02 (#50 chain)
Post not provided by Nice.

OSCO 725: LH REAR MOUNT INSTALL - OPEN



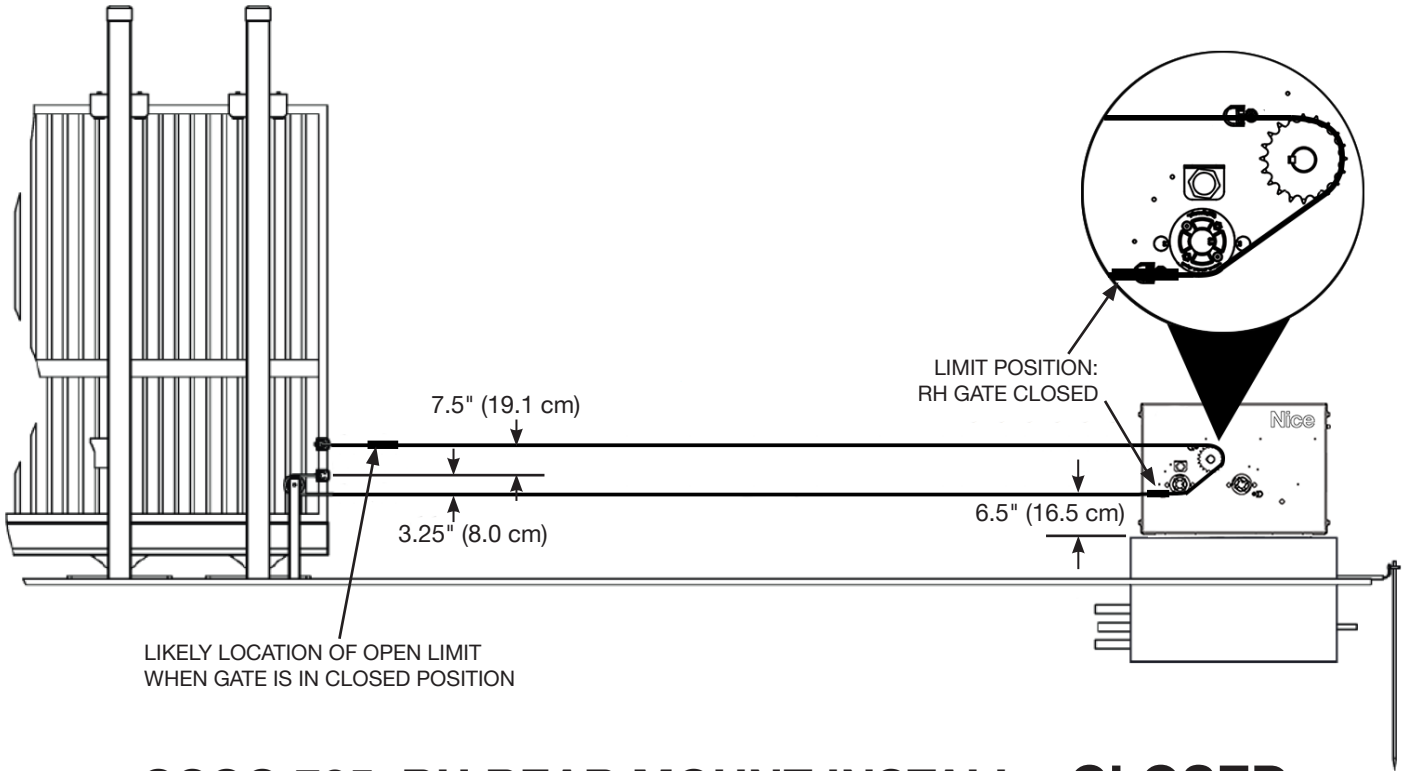
OSCO 725: LH REAR MOUNT INSTALL - CLOSED

OSCO 725: Rear Installation - Right Hand



*Note: Idler Assembly available:
MX4847 (#40 chain)
MX5830-02 (#50 chain)
Post not provided by Nice.

OSCO 725: RH REAR MOUNT INSTALL - OPEN



OSCO 725: RH REAR MOUNT INSTALL - CLOSED