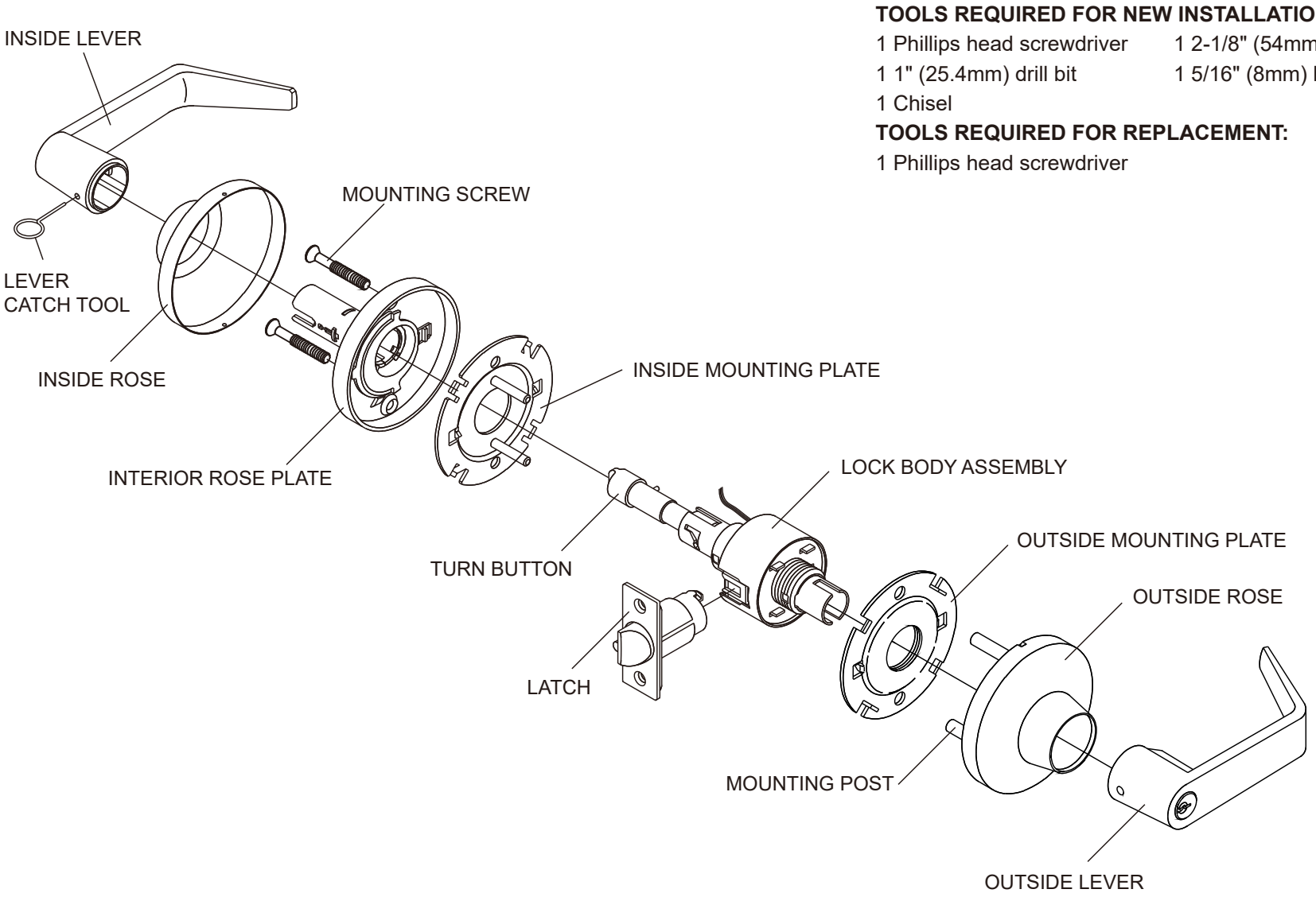
DOREX® GX1 ELECTRIFIED

INSTALLATION INSTRUCTIONS



For use on doors 1-3/8"~2" (35mm~51mm) THICK

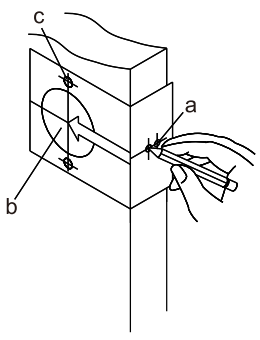
TOOLS REQUIRED FOR NEW INSTALLATION:

1 Phillips head screwdriver
1 2-1/8" (54mm) hole saw
1 1" (25.4mm) drill bit
1 5/16" (8mm) hole saw
1 Chisel

TOOLS REQUIRED FOR REPLACEMENT:

1 Phillips head screwdriver

1. MARK DOOR



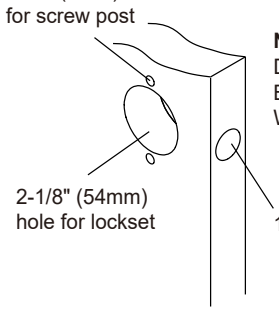
a. Start 38" from floor and mark center of door edge.

b. Select backset 2-3/8" or 2-3/4" and mark hole center on door face.

NOTE:
BACKSET ON DOOR FACE MUST BE SAME AS THE BACKSET OF YOUR LOCK.

c. Mark two holes for mounting post.

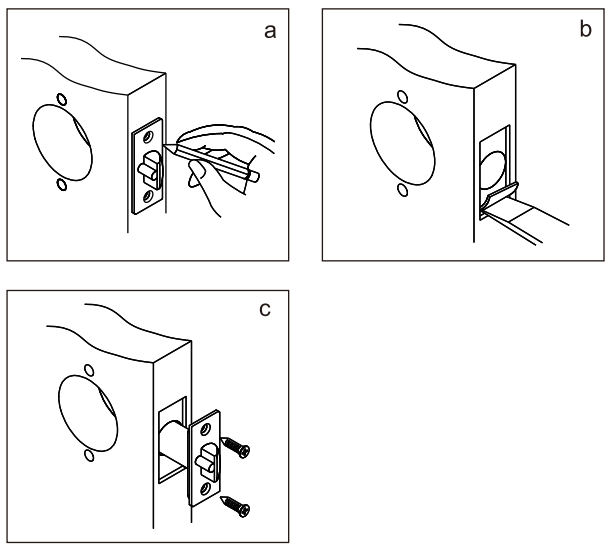
2. DRILL HOLES



Drill holes as marked.

NOTE:
DRILL 2-1/8" (54mm) HOLE FROM BOTH SIDES TO AVOID SPLITTING WOOD.

3. INSTALL LATCH



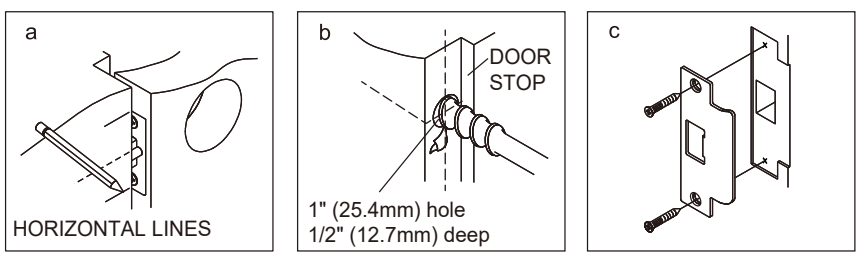
a. Insert latch in hole and keep it parallel to door face. Mark outline and remove latch.

b. Chisel 11/64" (4~4.3mm) deep or until faceplate flush with door edge.

c. Insert latch and tighten screws.

NOTE:
LATCHBOLT BEVEL MUST FACE TO CLOSING DIRECTION.

4. INSTALL STRIKE



a. Close door to mark horizontal lines of strike.

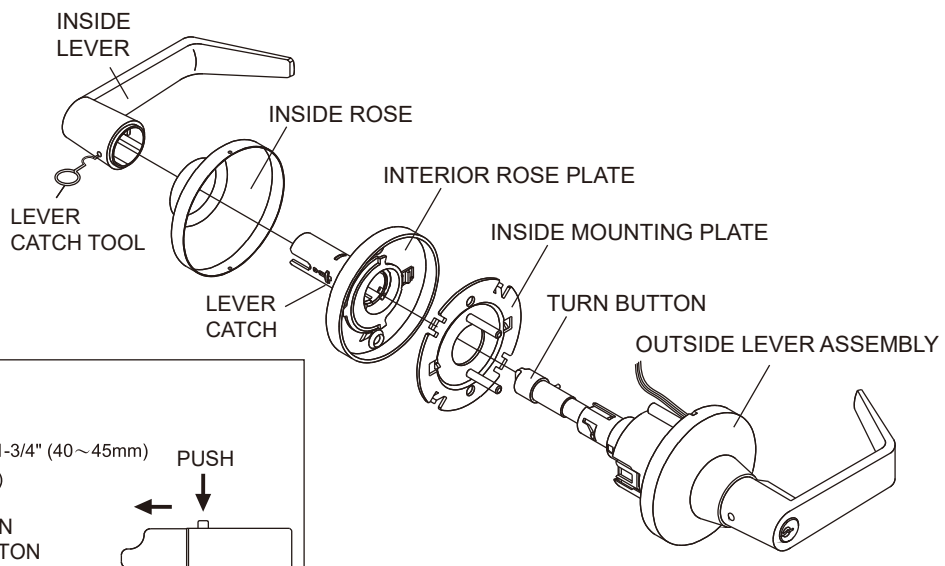
b. Measure one half of door thickness from door stop to mark vertical center line of strike. Drill 1" (25.4mm) hole, 1/2" (12.7mm) deep at intersection of horizontal and vertical center lines.

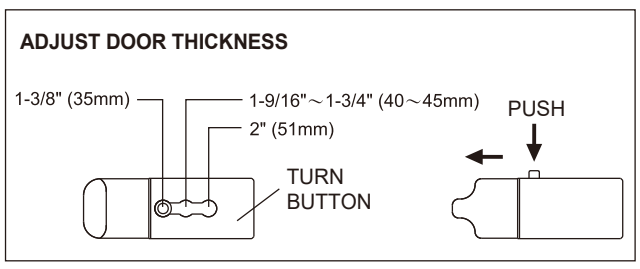
c. Cut out jamb 3/32" (2.4mm) deep or until strike flush with jamb.

d. Tighten screws securely.

5. REMOVE INSIDE TRIM

Use lever catch tool to depress lever catch visible under hole of inside lever shank and slide off inside lever, interior rose plate and mounting plate.



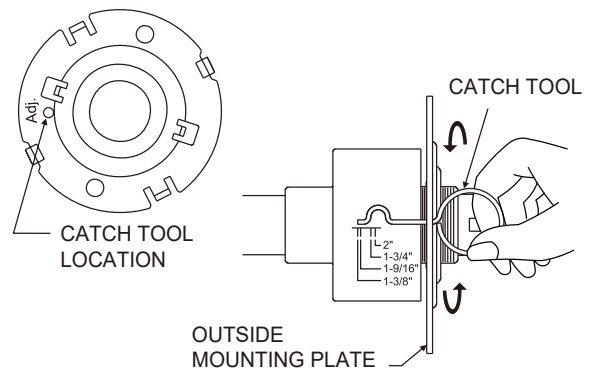


6. ADJUST DOOR THICKNESS

a. Remove outside mounting plate toward cylindrical case.

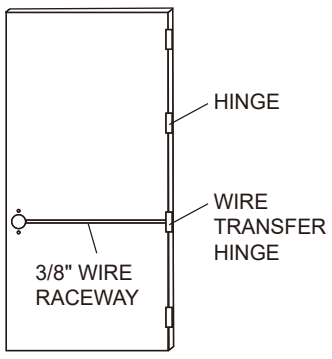
b. Put the catch tool into the allocated position of outside mounting plate as the illustrating bellow.

c. Rotate outside mounting plate to required door thickness by using a catch tool.



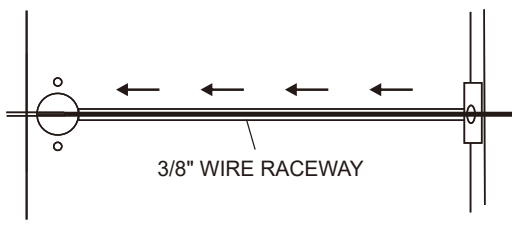
7. MAKE SURE THE DOOR IS CORRECTLY PREPPED

A 3/8" wire raceway, from hinge to the door lock is required.



8. RUN THE WIRE THROUGH THE RACEWAY

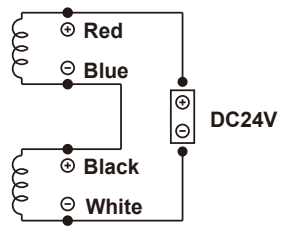
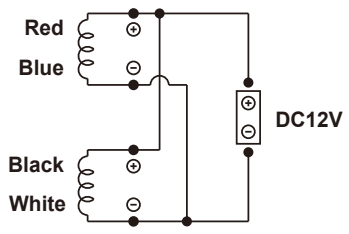
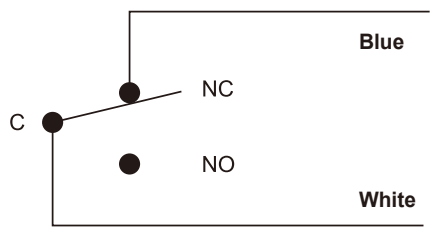
Direct the wire through the raceway, from hinge to the door prep, and pull the wire out of the door hole.



9. WIRE CONNECTION

a. Connect the wire to 4 wire harnesses exiting the cylindrical lock chassis. (shown in the illustration below)
b. The wire and 4 wire harnesses must be joined firmly.
c. Make sure the bare wires are covered with insulating materials.

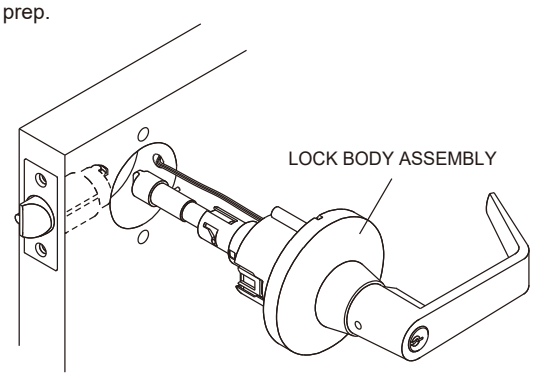
- For DC24V application join Blue and Black wires, then connect Red to positive and White to negative on incommg power supply.
- For DC12V application join Red and Black then connect botn to positive, join White and Blue then connect both to negative on the incoming power supply.
- For the REX switch (optional) use the blue and white wires.

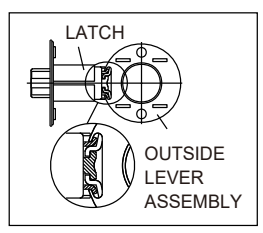
Conditon	Temperature 20°C Resistance Tolerance +/- 10%	
	Series Connection	**Parallel Connection**
Wire Connection	 DC24V 150OhmΩ 0.16Amp	 DC12V 37.5OhmΩ 0.32Amp
Structure of the Switch		

10. INSTALL OUTSIDE LEVER ASSEMBLY

The wires must not be crimped or pinched by the door prep, or must not be exposed outside the door prep.
At the hinge end, carefully pull the wires out of the raceway and connect: it to the power supply.

Install outside lever assembly on the door.
Make sure tail of latch is engaging with retractor correctly as illustrated.

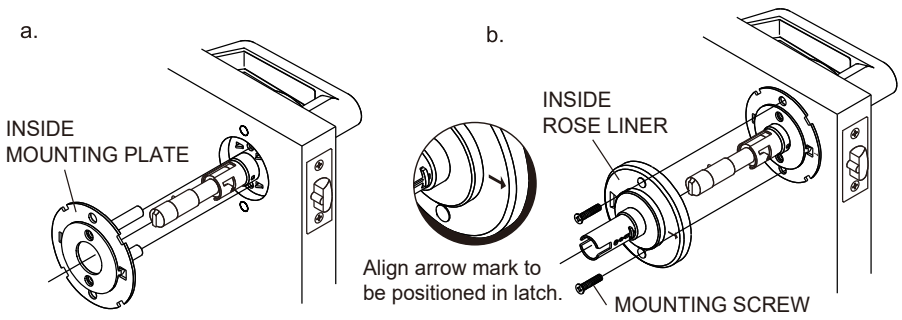




11. INSTALL INSIDE MOUNTING PLATE AND ROSE LINER

a. Install inside mounting plate to lock body.

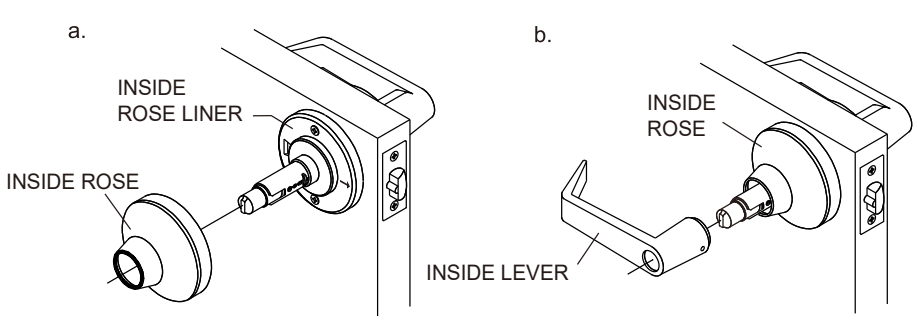
b. Press inside rose liner onto mounting plate and tighten mounting screws securely.



12. INSTALL INSIDE ROSE AND LEVER

a. Be sure to fit rose in recess of rose liner.

b. Depress lever catch with tool provided.
Push inside lever on completely until catch engages in lever.
Confirm lever is secured.



TEMPLATE