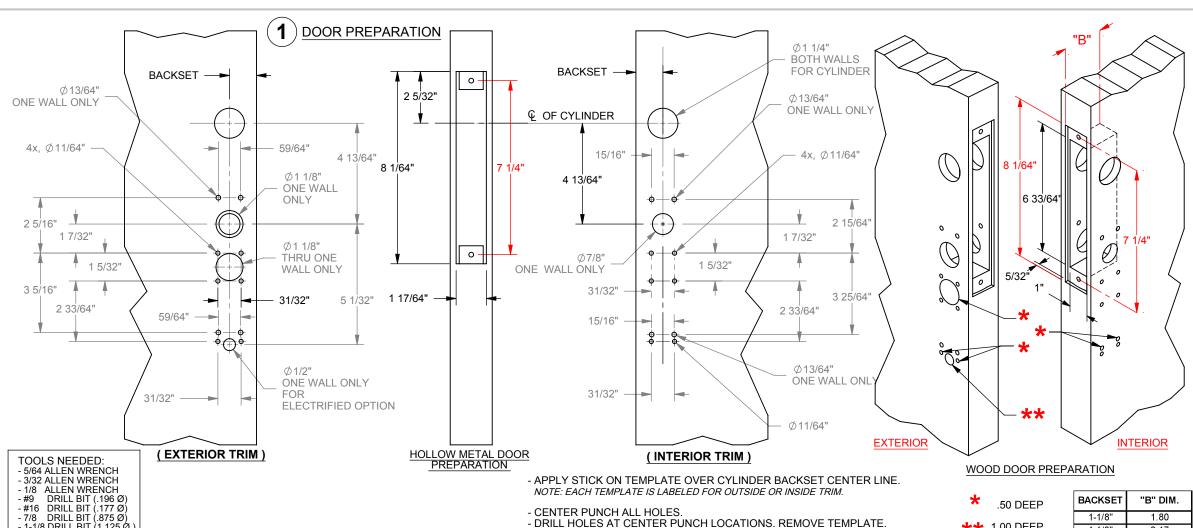
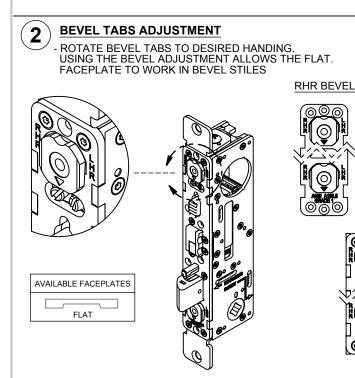
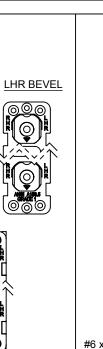




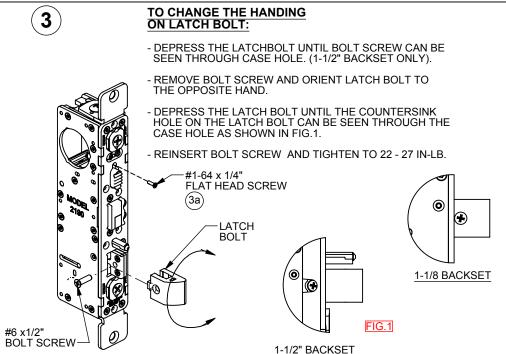
MOUNT STRIKE ONTO JAMB AND FASTEN WITH #10 FLAT HEAD SCREWS AS SHOWN.







- 1-1/8 DRILL BIT (1.125 Ø

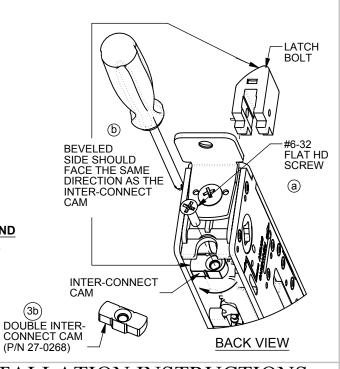


- YOU WILL ALSO HAVE TO RE-ORIENT THE INTER-CONNECT CAM:

- INSTALL 2290 PER INSTALLATION INSTRUCTIONS.

- a) LOOSEN THE #6-32 FLAT HD SCREW AT THE BOTTOM OF THE LOCK.
- b) ROTATE THE INTER-CONNECT CAM TO THE OPPOSITE SIDE AND RETIGHTEN THE FLAT HEAD SCREW TO COMPLETE THE OPERATION
- TO BLOCK HOLDBACK FEATURE
 - INSERT #1-64 x 1/4" FLAT HEAD SCREW INTO CASE AS SHOWN BEFORE INSTALLING IN DOOR.
- (3b)FOR APPLICATION THAT REQUIRE RETRACTION OF THE DEADBOLT AND **DEARLATCH FROM BOTH SIDES OF** DOOR.

-REMOVE THE INTER-CONNECT CAM, AND INSTALL THE OPTIONAL DOUBLE INTER-CONNECT CAM.



** 1.00 DEEP

1-1/2"

2.17

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80-0180-420

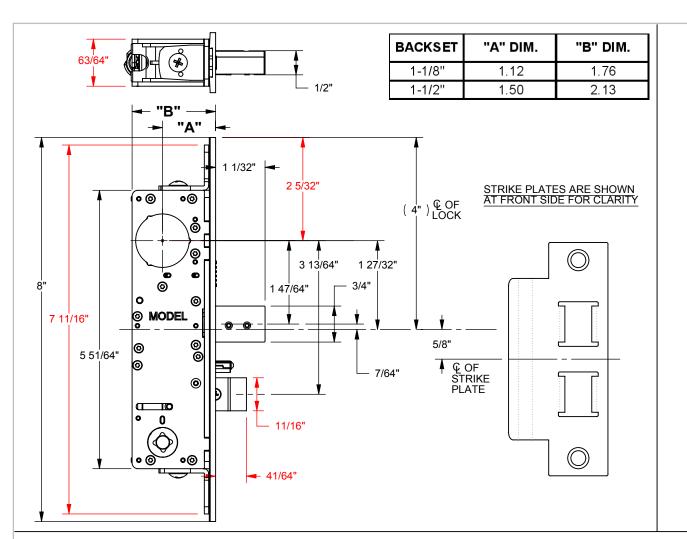
FLAT

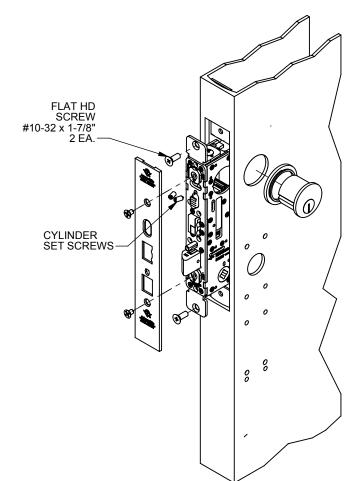
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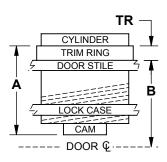
INSTALLING LOCK TO THE BACK OF THE DOOR

- INSERT LOCK ASSEMBLY INTO DOOR THRU CUTOUT.
 INSTALL AND FASTEN TWO (2) FLAT HEAD SCREWS #10-32 x 1-7/8" (OR #12, WOOD SCREW, P/N# 29-0271) TO SECURE THE LOCK ASSEMBLY ON DOOR.
- INSTALL CYLINDER AND SECURE WITH SET SCREWS. INSTALL FACE PLATE.



* TOLERANCE: ±.060

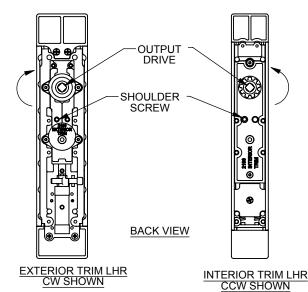
"TR" is trim ring length "A" is cylinder height (less shoulder but including cam) "B" is one-half of door thickness



HANDING CONFIGURATION FOR 2290 TRIM

- THE OUTPUT DRIVE FOR THE EXTERIOR TRIM IS SHIPPED FROM THE FACTORY IN A CLOCKWISE ROTATION AND THE INTERIOR TRIM IS SHIPPED WITH A COUNTER-CLOCKWISE ROTATION. TO CHANGE THE OUTPUT DRIVE ROTATION, FOLLOW THESE STEPS:
- 1. REMOVE THE SHOULDER SCREW WITH A 5/64" ALLEN WRENCH.
- 2. REINSTALL SHOULDER SCREW ON THE OPPOSITE SIDE.

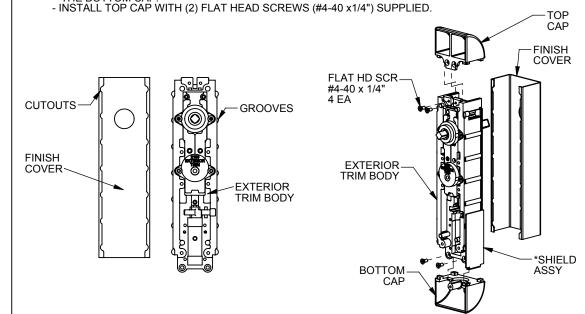
REFER TO THE CHART BELOW FOR REHANDING THE TRIM AS NEEDED.



TRIM	HANDING -RHR	HANDING - LHR
	SPINDLE ROTATION	
EXTERIOR	COUNTER-CLOCKWISE	CLOCKWISE
INTERIOR	CLOCKWISE	COUNTER-CLOCKWISE

ASSEMBLE EXTERIOR TRIM -SLIDE THE FINISH COVER ONTO BODY. THE COVER HAS CUTOUTS THAT FIT OVER THE GROOVES ON THE BODY.

- INSTALL BOTTOM CAP WITH (2) FLAT HEAD SCREWS (#4-40 x1/4") SUPPLIED. - * FOR EXTERIOR TRIM WITH ELECTRIFIED OPTION. INSERT THE SHIELD ASSY BETWEEN THE COVER AND THE EXTERIOR BODY BEFORE INSTALLING





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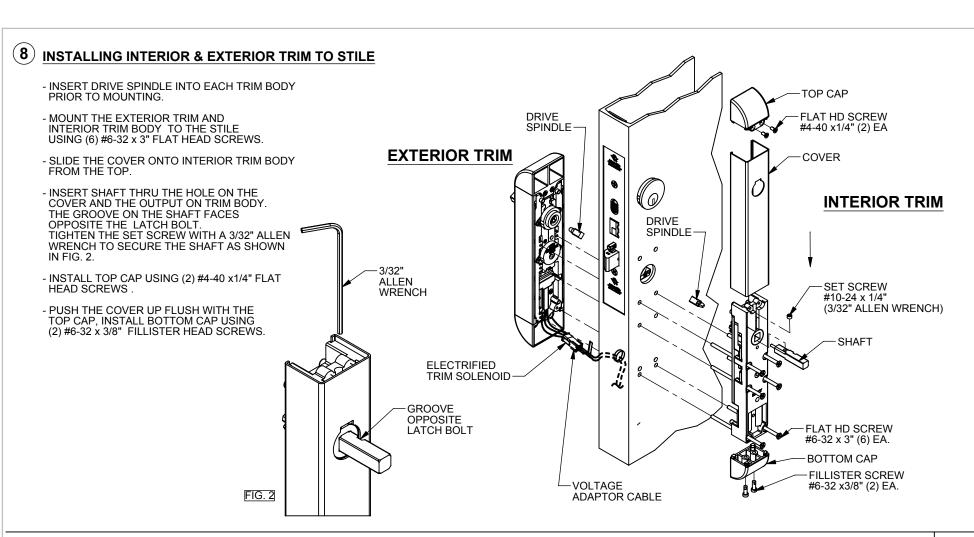
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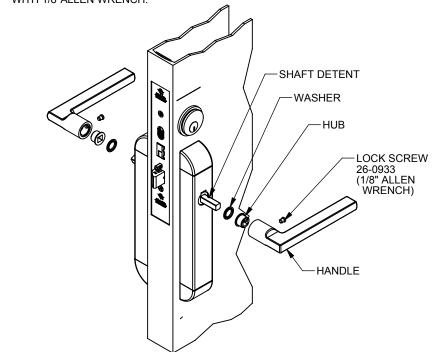


(9) INSTALLING HANDLE (INTERIOR / EXTERIOR)

- INSERT WASHER THEN INSERT HUB OVER SHAFT. ON HANDLES 2290-01, 2290-02, 2290-03, THE HUB IS FACTORY INSTALLED. REMOVE LOCK SCREW WITH 1/8" ALLEN WRENCH AND PROCEED TO
- NEAL STEEL INSTALL HANDLE OVER THE HUB WITH THE HOLE ALIGNED WITH THE HOLE ON THE HUB.

NOTE: THE SHAFT DETENT SHOULD BE ALIGNED WITH THE LOCKING SCREW.

- MOVE THE HANDLE IN UNTIL IT IS AGAINST THE TRIM COVER. FASTEN THE LOCK SCREW 26-0933 TO SECURE THE HANDLE WITH 1/8"ALLEN WRENCH.



LATCH HOLD BACK FEATURE

- IN THE LOCK POSITION, INSERT KEY, TURN KEY 180° TO RETRACT THE DEADBOLT.
- TURN KEY 315° TO RETRACT THE LATCHBOLT.
- HOLD IN THIS POSITION AND PUSH DOWN THE HOLD BACK BUTTON TO RETAIN LATCHBOLT.
- RETURN KEY TO NEUTRAL POSITION AND REMOVE KEY.

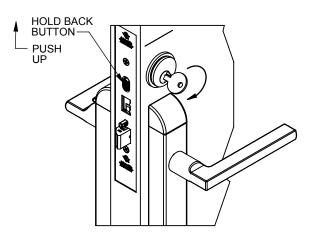
KEY OR THUMB TURN

TO RELEASE HOLD BACK

- INSERT KEY, TURN KEY OR THUMB TURN ABOUT 135° AND HOLD.
- PUSH UP THE HOLD BACK BUTTON TO RELEASE THE LATCH BOLT.
- RETURN KEY TO THE NEUTRAL POSITION AND REMOVE KEY

TEST OPERATION

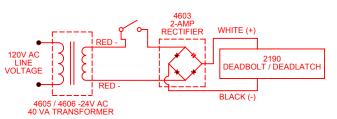
- EXTEND DEADBOLT WITH KEY OR THUMBTURN.
- PUSH DOWN ON INTERIOR LEVER THE DEADBOLT AND LATCH SHOULD FULLY RETRACT.
- IF LATCH ONLY RETRACTS REFER TO STEP 4 FOR INTER-CONNECTION CONFIGURATION.
- IF NEITHER RETRACT REFER TO STEP 11 FOR DRIVE SPINDLE INSTALLATION.
- PUSH DOWN ON EXTERIOR LEVER THE LATCH ONLY SHOULD RETRACT.



ELECTRIFIED TRIM SOLENOID SPECIFICATION

SOLENOID AVAILABLE VOLTAGES 12V DC CONTINUOUS DUTY, 24V DC CONTINUOUS DUTY.

2190 WIRING DIAGRAM INTERMITTENT / CONTINUOUS DUTY 12 / 24V DC



- · WIRED THE VOLTAGE ADAPTOR CABLE TO THE PROPER POWER SUPPLY THROUGH THE HOLE
- CONNECTED THE CABLE TO THE EXTERIOR TRIM SOLENOID BEFORE INSTALLING THE TRIM ONTO

VOLTAGE ADAPTOR CABLE				
P/N#	WIRE COLOR	APPLICATION	SOLENOID	
			CURRENT DRAW	
VA7400-12	BLACK	12V DC	0.44 AMPS	
VA7400-24	RED	24V DC	0.23 AMPS	

PRODUCT MUST BE INSTALLED **ACCORDING TO ALL APPLICABLE**

BUILDING AND LIFE SAFETY CODES



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HOLD BACK

BUTTON

DEADBOL1

LATCH BOLT

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HOLD BACK

BUTTON-

PUSH DOWN

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