

INSTALLATION INSTRUCTIONS

MODEL 1550K-VD ELR

FIELD INSTALLABLE KIT



INDEX

FUNCTION DESCRIPTION	PAGE 1
PARTS LIST	PAGE 2
TOOLS REQUIRED	PAGE 2
KIT INSTALLATION INSTRUCTIONS	PAGE 2 - 10
KIT ADJUSTMENT INSTRUCTIONS	PAGE 11
MECHANICAL DEVICE ADJUSTMENTS	PAGE 12 – 13
DOOR PREP INFORMATION	PAGE 14
TYPICAL INSTALLATION DIAGRAM	PAGE 15



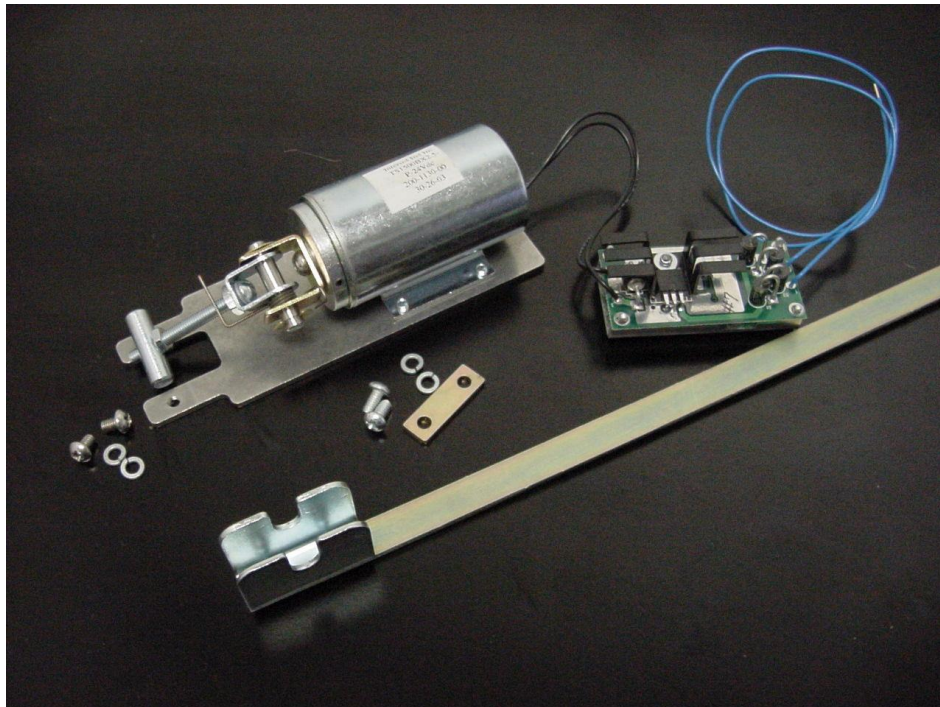
FOR USE WITH VON DUPRIN MODELS 33A/35A AND 98/99 EXIT DEVICES
MODEL: 1550K-VD-3 ELECTRIC LATCH RETRACTION KIT 3 FT. DEVICES
MODEL: 1550K-VD-4 ELECTRIC LATCH RETRACTION KIT 4 FT. DEVICES

NOTE: CONSULT FACTORY FOR 30" EXIT DEVICE APPLICATIONS.

FUNCTION DESCRIPTION

ACSI – SERIES 1550 ELECTRIC LATCH RETRACTION, RETRACTS LATCH-BOLT FOR MOMENTARY OR EXTENDED PERIODS OF TIME.

NOTE: THE 1550K-VD KIT IS DESIGNED ONLY FOR USE WITH THE FOLLOWING ACSI POWER SUPPLIES: 1406-04-AO, 1406BB-04-AO, 1426-04-AO, 1426BB-04-AO



ACSI – VON DUPRIN 1550K-VD ELECTRIC LATCH RETRACTION KIT SHOWN IN ABOVE PICTURE.



2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558

KIT INCLUDES THE FOLLOWING PARTS

- 1 EACH: SOLENOID ASSEMBLY WITH CIRCUIT BOARD
- 1 EACH: 3FT./4FT. DEVICE LINK
- 1 EACH: SPACER PLATE
- 2 EACH: #8-32 X .250" SCREWS
- 2 EACH: #8-32 X .312" SCREWS
- 4 EACH: #8 LOCK WASHERS
- 1 EACH: BLACK RATCHET CLIP
- 1 EACH: ALCOHOL PREP PAD
- 2 EACH: ACSI MODIFICATION LABELS

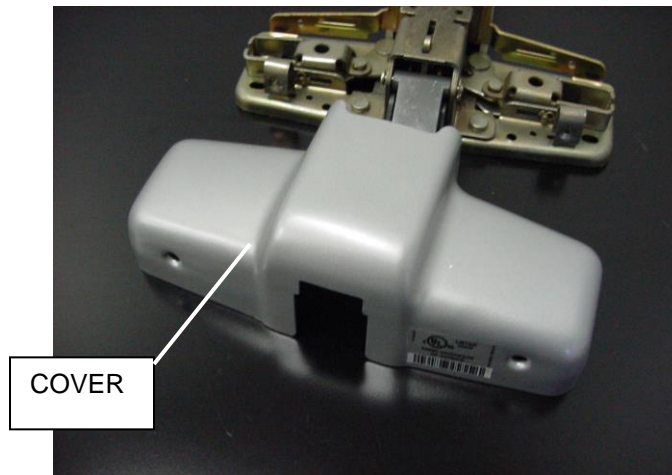
TOOLS NEEDED

- 3/16" DIAMETER DRILL BIT
- 5/8" DIAMETER DRILL BIT
- #2 PHILLIPS SCREWDRIVER
- 5/16" OPEN END WRENCH

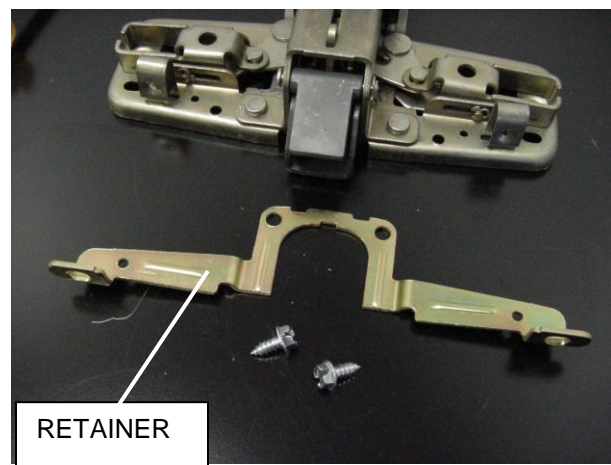
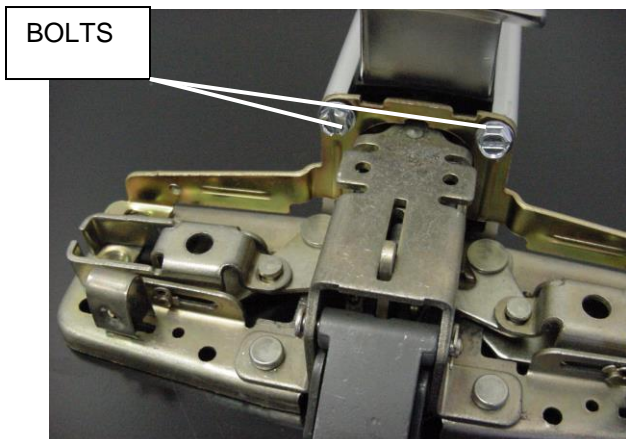
INSTALLING KIT

NOTE: REMOVE DEVICE FROM DOOR BEFORE INSTALLING KIT ON DEVICE

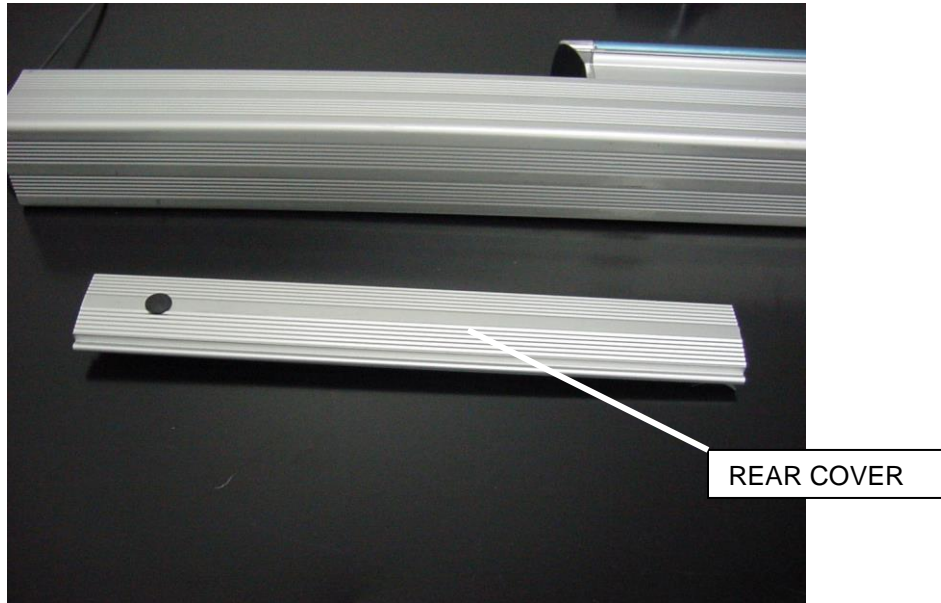
STEP 1: REMOVE 4 EACH SCREWS AND REMOVE CASE COVER.



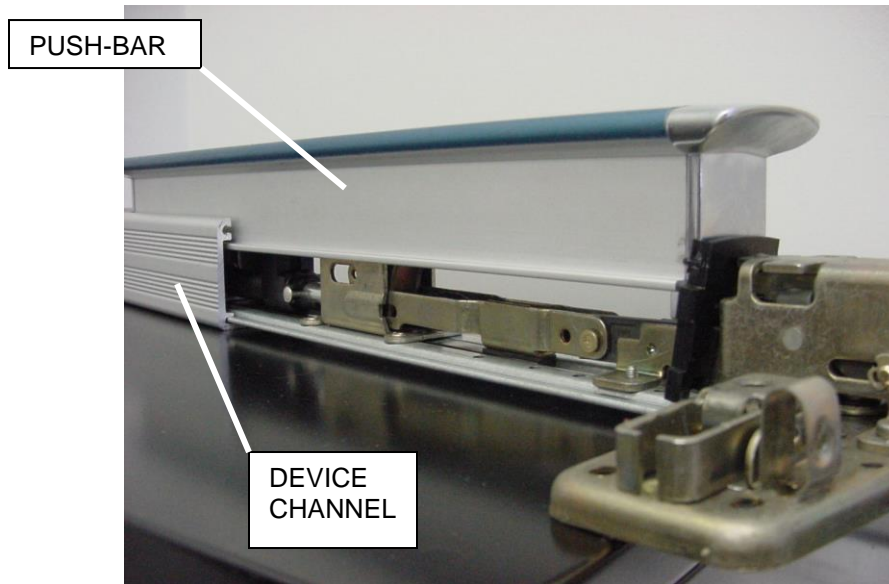
STEP 2: REMOVE 2 BOLTS AND PUSH-BAR RETAINER.



STEP 3: SLIDE REAR COVER PLATE OFF OF DEVICE CHANNEL.

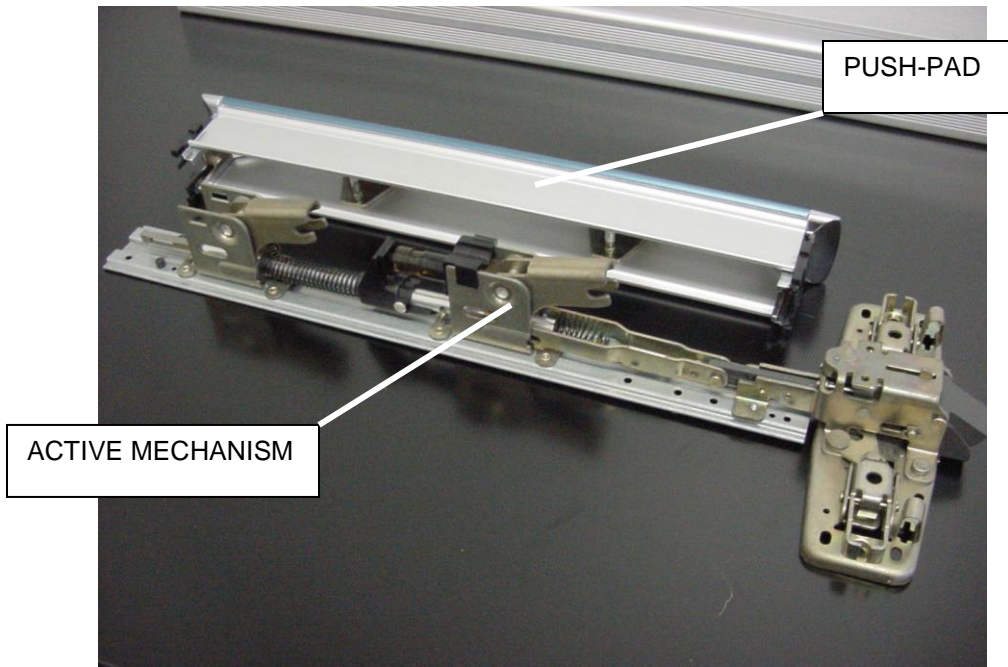


STEP 4: SLIDE ACTIVE PUSH-BAR ASSEMBLY APART FROM DEVICE CHANNEL.

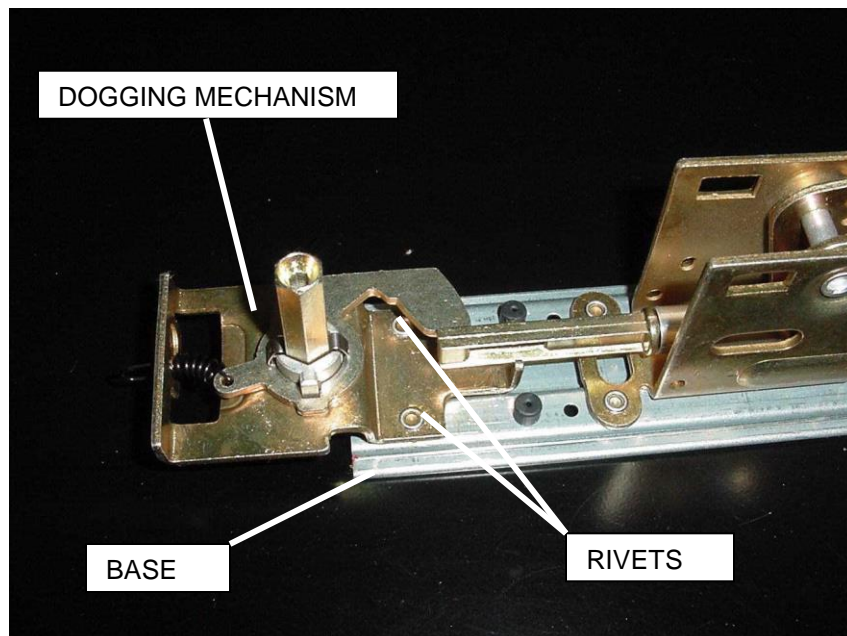


2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558

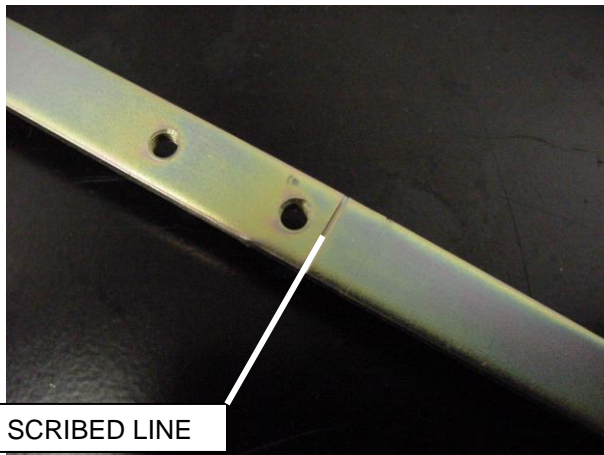
STEP 5: SEPARATE PUSH-PAD FROM ACTIVE MECHANISM. SLIDE PUSH-PAD TOWARDS DEVICE HEAD TO SEPARATE.



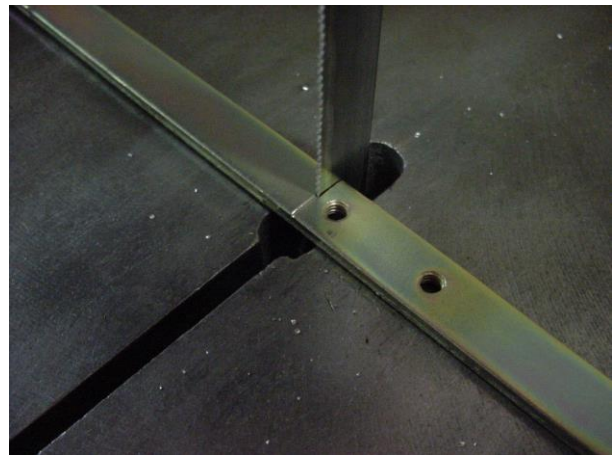
STEP 6: DEVICES WITH DOGGING, THE DOGGING MECHANISM MUST BE REMOVED BY DRILLING OUT THE TWO RIVETS THAT SECURE THE DOGGING MECHANISM TO THE ACTIVE PUSH-BAR. USE A 3/16" DIAMETER DRILL BIT TO REMOVE RIVETS. WHEN REMOVING RIVETS BE CAREFULL NOT TO DRILL THROUGH THE BASE.



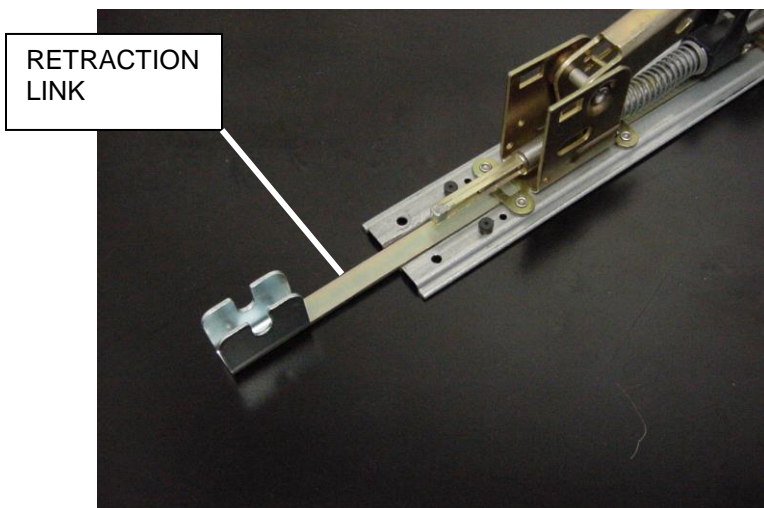
STEP 7: RETRACTION LINK MUST BE SIZED FOR 3 FT. DEVICES. IF YOUR DEVICE IS 4 FT. PROCEED TO STEP 8. TO SIZE THE RETRACTION LINK FOR 3 FT. DEVICES CUT LINK OFF AT SCRIBED LINE AS SHOWN IN PHOTO BELOW. AFTER LINK HAS BEEN CUT DEBURR EDGES AND DISCARD THE UNUSED END.



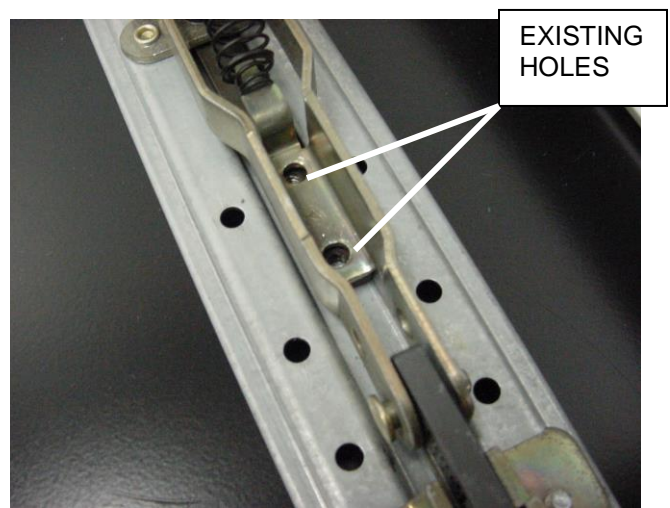
SCRIBED LINE



STEP 8: SLIDE ACSI RETRACTION LINK FROM REAR OF ACTIVE ASSEMBLY UP TO THE TWO EXISTING HOLES LOCATED IN FRONT OF THE PUSH-BAR MECHANISM.

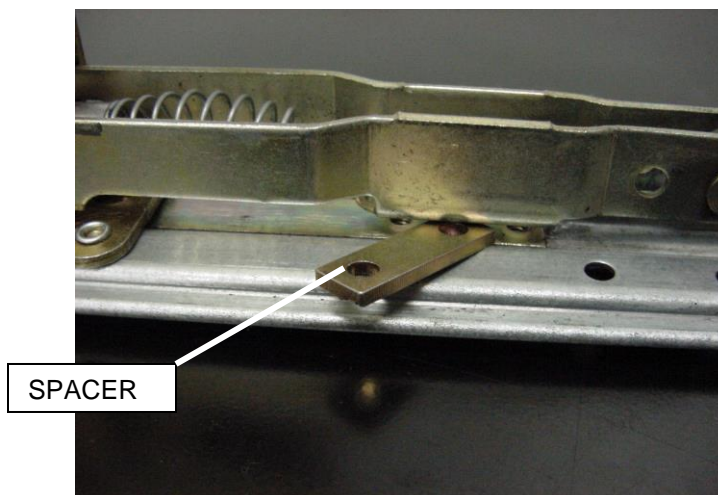


RETRACTION LINK



EXISTING HOLES

STEP 9: NEXT SLIDE ACSI LINK SPACER UNDER THE TWO EXISTING HOLES, BEING CAREFUL TO PLACE SPACER ON TOP OF ACSI RETRACTION LINK.

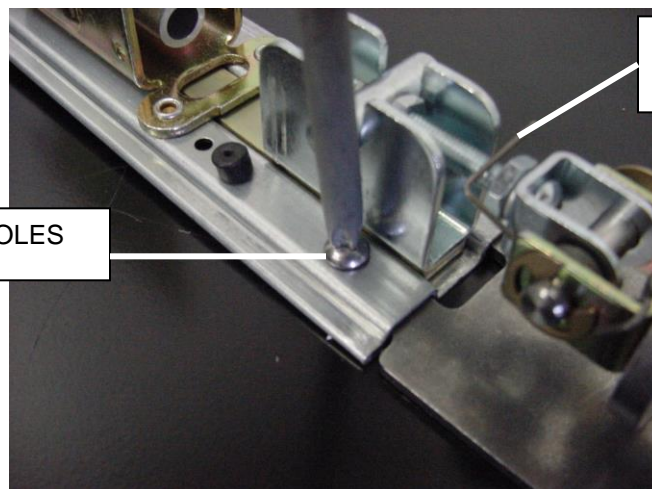
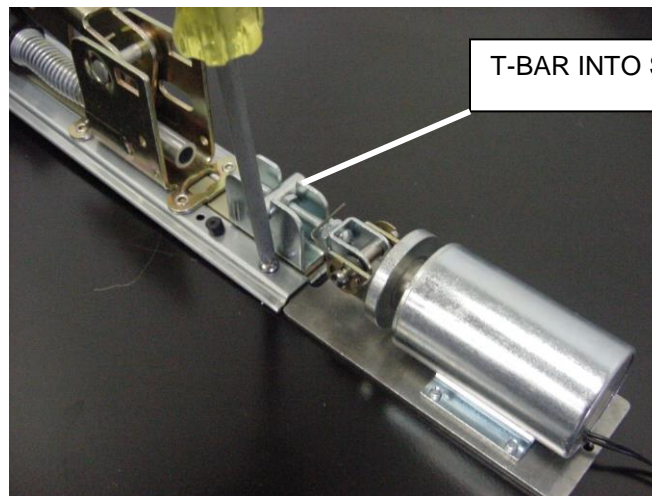


SPACER

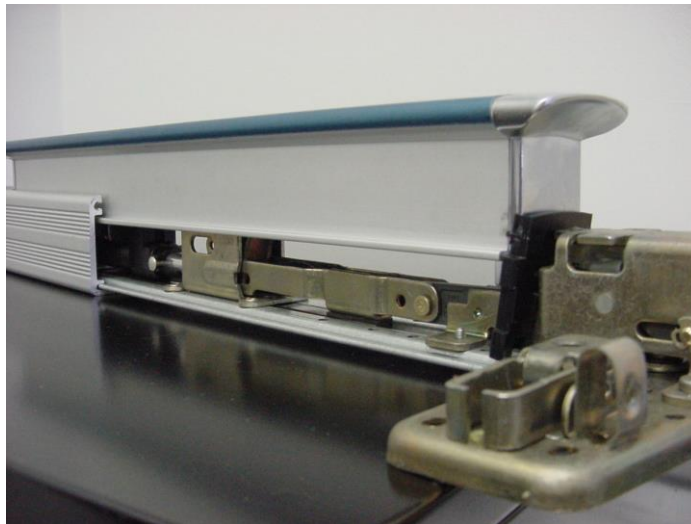
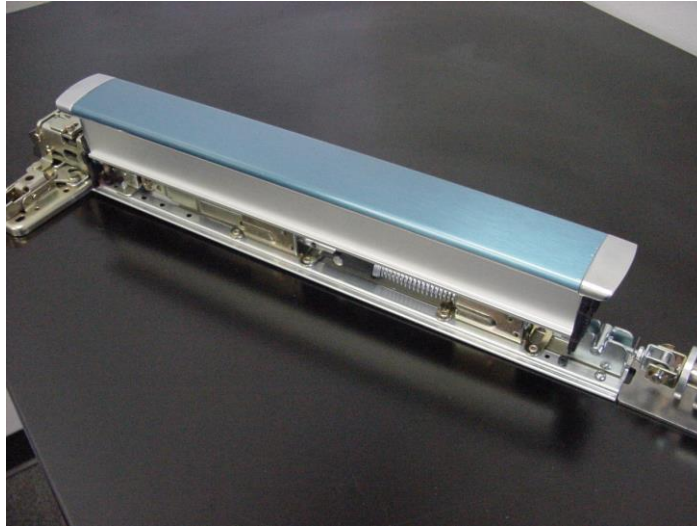
STEP 10: SECURE ACSI RETRACTION LINK WITH THE 2 EACH #8-32 X 5/16" ROUND HEAD PHILLIPS SCREWS AND #8 LOCK WASHERS PROVIDED.



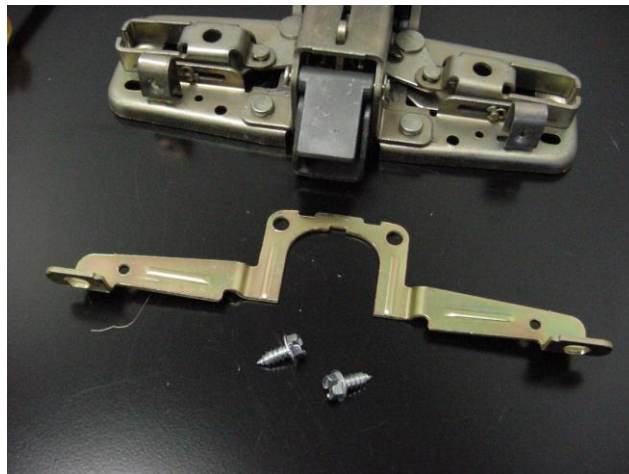
STEP 11: SLIDE SOLENOID ASSEMBLY TO REAR OF PUSH-BAR MECHANISM. SLIDE SOLENOID ASSEMBLY UP TO THE TWO EXISTING HOLES THAT THE ORIGINAL MANUAL DOGGING MOUNTED TO AND DROP THE T-BAR INTO THE SLOT OF THE RETRACTION LINK AS SHOWN IN THE PICTURE BELOW. (MAKE SURE TORSION SPRING IS ORIENTED ON TOP AS SHOWN) NEXT INSERT AND SECURE THE SOLENOID ASSEMBLY WITH 2 EACH #8-32 X 1/4" ROUND HEAD PHILLIPS SCREWS AND #8 LOCK WASHERS PROVIDED. DO NOT TIGHTEN SCREWS. THIS WILL ALLOW UNIT TO EASILY SLIDE BACK INTO DEVICE CHANNEL.



STEP 12: REPLACE PUSH-BAR ONTO ACTIVE PUSH-BAR MECHANISM AND SLIDE DEVICE CHANNEL WITH SOLENOID ASSEMBLY BACK ONTO PUSH-BAR.



STEP 13: RE-INSTALL PUSH-BAR RETAINER AND TWO BOLTS.



STEP 14: NEXT TIGHTEN THE 2 EACH #8-32 X 1/4" ROUND HEAD PHILLIPS SCREWS WITH #8 LOCK WASHERS.

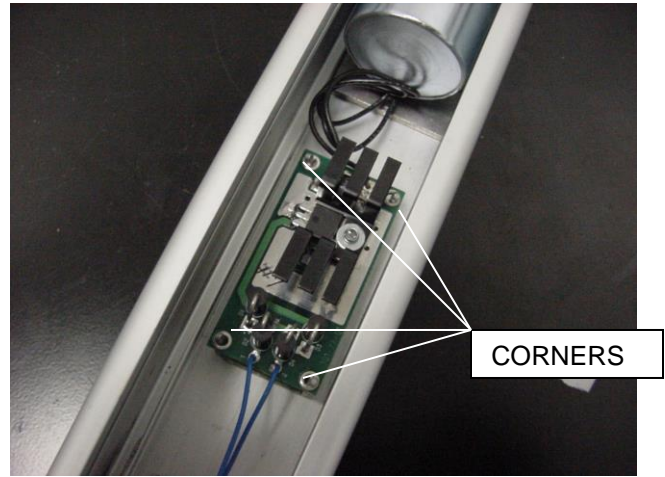
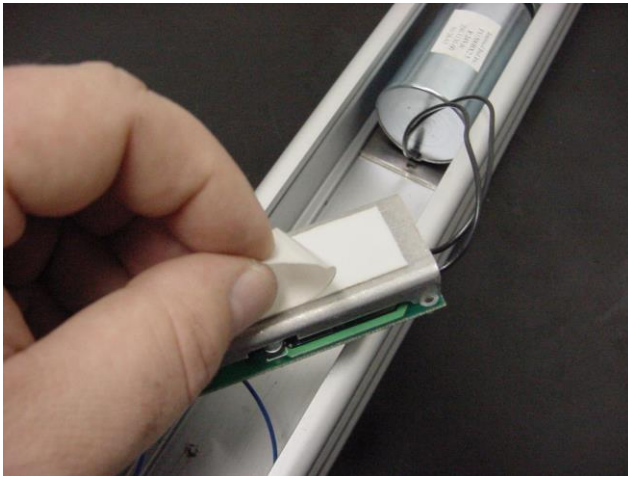


STEP 15: AFTER SOLENOID ASSEMBLY IS SECURED. THE AREA BEHIND THE SOLENOID IN THE DEVICE CHANNEL MUST BE CLEANED. CLEAN THE AREA WITH WINDOW CLEANER OR RUBBING ALCOHOL (NOTE: ALCOHOL PREP PAD IS INCLUDED) THIS WILL OPTIMIZE THE BONDING OF THE PCB/D/BRACKET ASSEMBLY. WHEN USING SOLVENTS BE SURE TO FOLLOW THE MANUFACTURERS PRECAUTIONS AND DIRECTIONS FOR USE WHEN HANDLING SUCH MATERIALS.

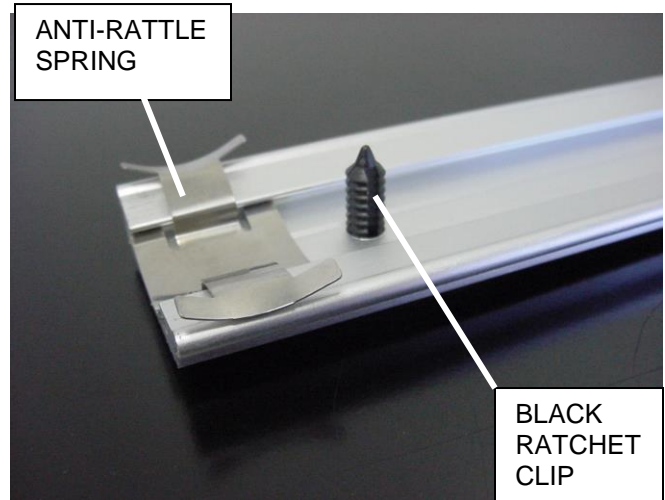
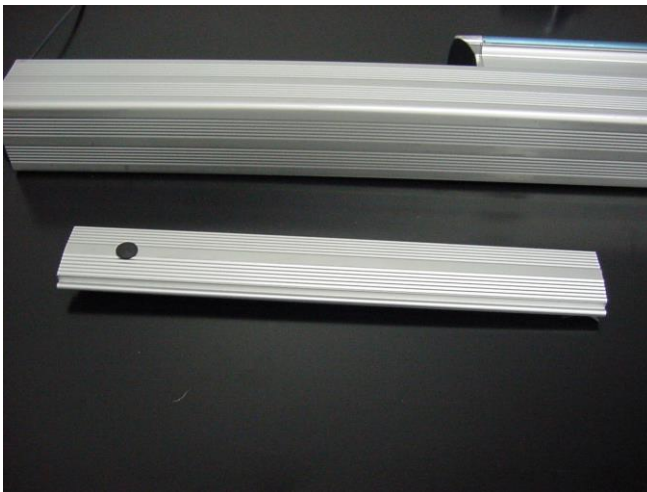


2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558

STEP 16: AFTER THE SURFACE IS CLEAN AND DRY, REMOVE THE TAPE LINER FROM THE BOTTOM OF PCBD/BRACKET ASSEMBLY. PLACE ASSEMBLY IN THE CLEANED AREA AND APPLY PRESSURE DOWN ON THE CORNERS ONLY TO ENSURE PROPER BONDING.



STEP 17: SLIDE REAR COVER PLATE BACK ONTO DEVICE. FOR DEVICES THAT THE MECHANICAL DOGGING HAS BEEN REMOVED ROTATE COVER SO HOLE IS NEAR END CAP. REMOVE ANTI-RATTLE SPRING AND RE-INSTALL ON END WITH HOLE. THEN INSTALL BLACK RATCHET CLIP INTO HOLE.



2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558

STEP 18: APPLY THE ACSI ELECTRIC MODIFICATION LABELS TO THE CASE COVER AND END CAP.



NOTE: IT IS IMPORTANT THAT THE LABELS BE APPLIED AS SHOWN. THE LABEL CONTAINS THE PHONE NUMBER FOR TECHNICAL ASSISTANCE.

STEP 19: FOR PROPER CONNECTION OF WIRES REFER TO INSTRUCTIONS INCLUDED WITH THE ACSI 1406-04-AO OR 1426-04-AO POWER SUPPLY.



2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558

VON DUPRIN ELECTRIC LATCH RETRACTION KIT ADJUSTMENT INSTRUCTIONS

MAKE SURE DEVICE IS PROPERLY ADJUSTED FOR MECHANICAL OPERATION FIRST.

NOTE: ALL KITS ARE FACTORY ADJUSTED FOR THE SOLENOID ONLY. USE ADJUSTMENT INSTRUCTIONS IF LATCH BOLTS OR RODS DO NOT RETRACT FULLY OR DO NOT CLEAR STRIKE PLATE.

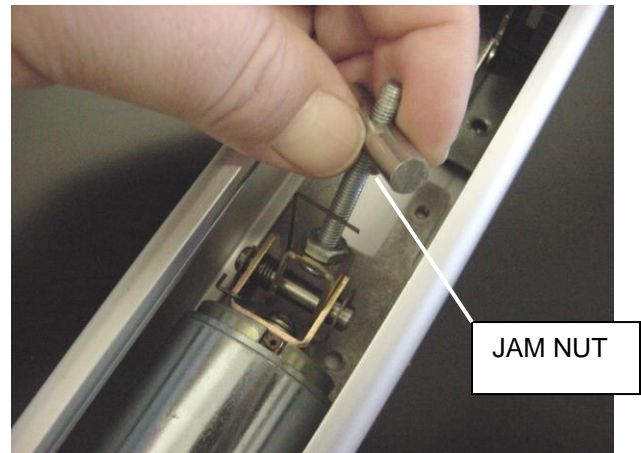
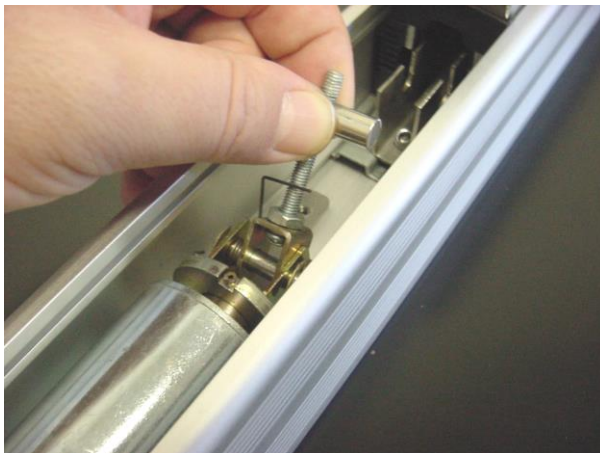
LATCH BOLT SHOULD BE FLUSH WITHIN 1/16" OF DEVICE HEAD COVER. IF NOT, PROCEED TO STEP 1.

STEP 1: BACK OFF JAMB NUT AND LIFT SPRING LOADED T-BAR UP OUT OF SLOT IN PULL LINKAGE.

STEP 2: TURN END CLOCKWISE A HALF TURN UNTIL CORRECT ADJUSTMENT IS ACHIEVED. RE-TIGHTEN JAMB NUT AFTER ADJUSTMENT IS FINISHED.

STEP 3: TO CHECK ADJUSTMENT EITHER MANUALLY PULL THE SOLENOID PLUNGER AND LINKAGE BACK FROM THE FRONT SOLENOID OR SIMPLY ACTUATE THE SOLENOID MOMENTARILY WITH THE 1406-04-AO POWER SUPPLY.

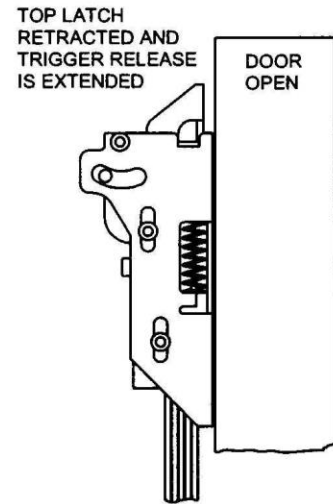
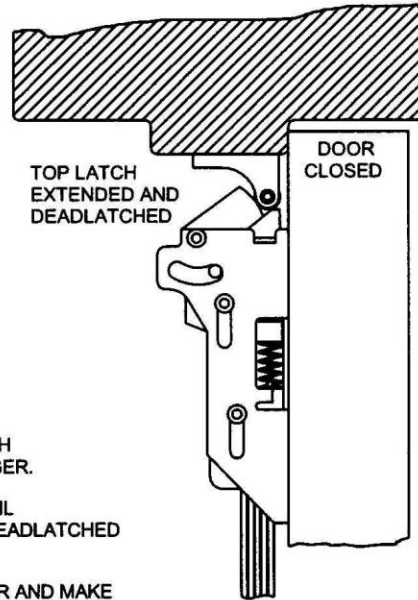
NOTE: IF CHECKING ADJUSTMENT WITH POWER SUPPLY MAKE SURE HANDS ARE CLEAR OF THE SOLENOID ASSEMBLY.



LATCH BOLT IS FLUSH WITHIN 1/16" OF COVER. DEAD LATCH MAY EXTEND OUT PAST LATCH BOLT.

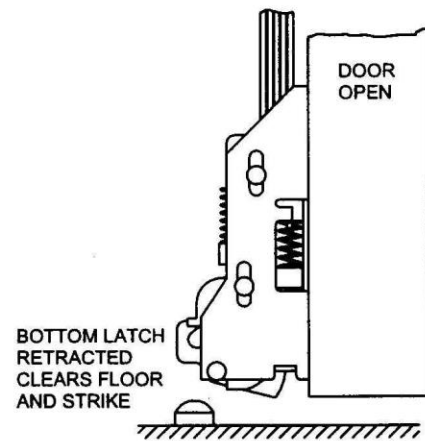
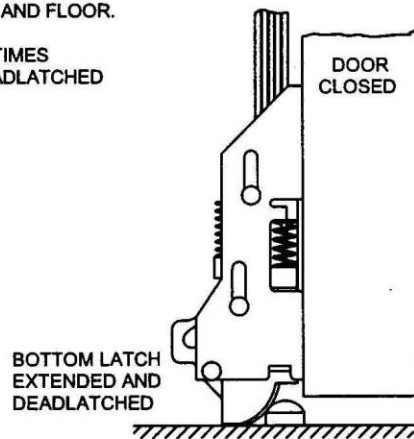


9827/9927 OR 3327A/3527A SURFACE VERTICAL ROD EXIT DEVICE MECHANICAL ROD ADJUSTMENT INSTRUCTIONS

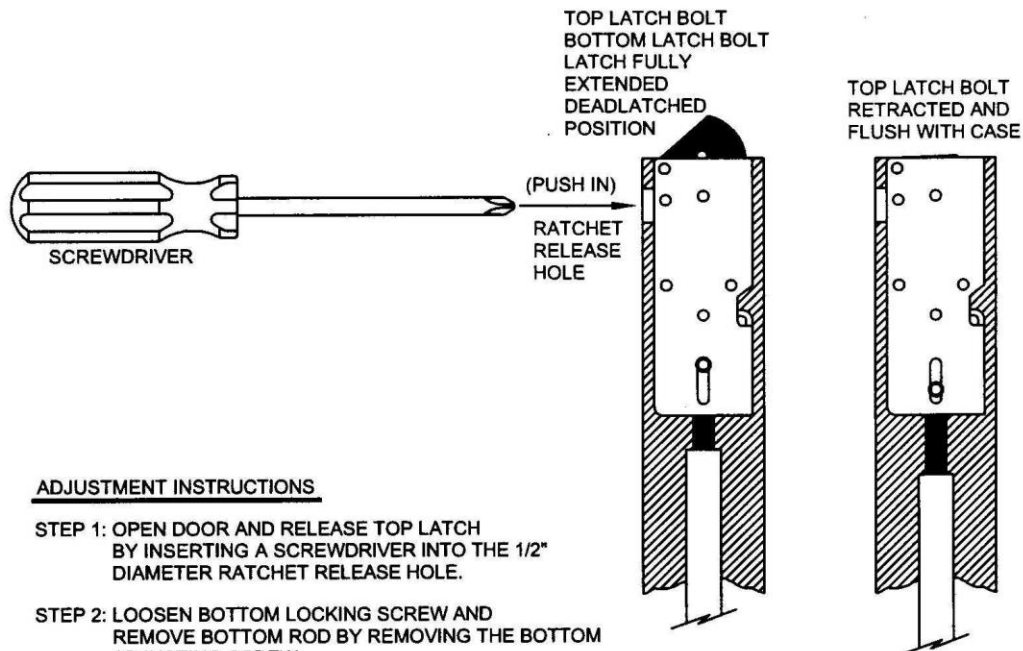
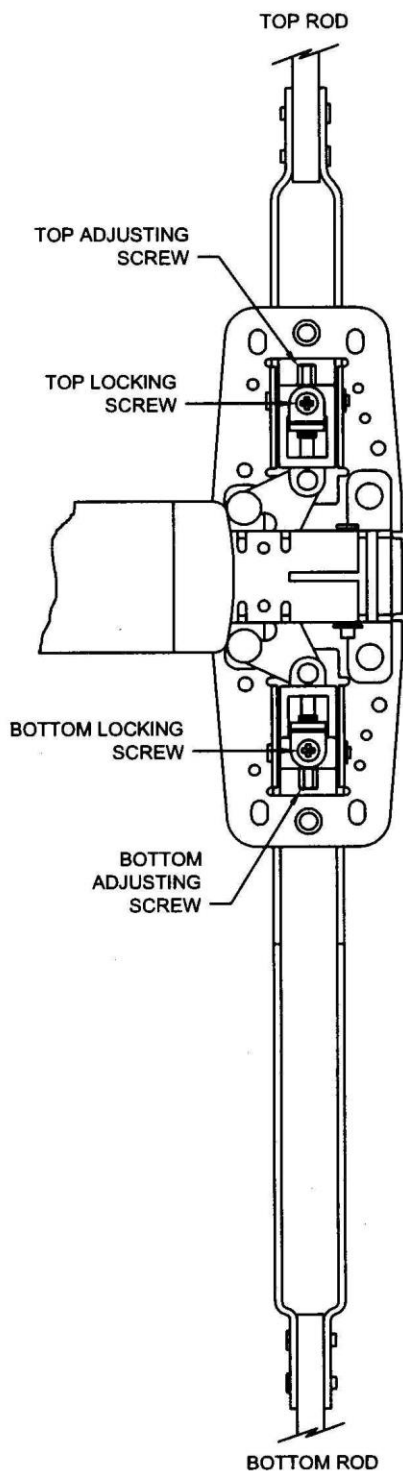


ADJUSTMENT INSTRUCTIONS

- STEP 1: OPEN DOOR AND RELEASE TOP LATCH BY DEPRESSING THE RELEASE TRIGGER.
- STEP 2: SCREW THE TOP ROD IN OR OUT UNTIL TOP ROD IS FULLY EXTENDED AND DEADLATCHED (WILL NOT PUSH IN FULLY).
- STEP 3: WITH DOOR OPEN DEPRESS PUSHBAR AND MAKE SURE TOP LATCH REMAINS FULLY RETRACTED AND TRIGGER RELEASE IS EXTENDED.
- STEP 4: WITH DOOR CLOSED SCREW THE BOTTOM ROD IN OR OUT UNTIL BOTTOM LATCH IS ENGAGED INTO STRIKE AND IS DEADLATCHED.
- STEP 5: CHECK BOTTOM LATCH BY DEPRESSING THE PUSHBAR AND OPENING THE DOOR, THE BOTTOM LATCH SHOULD CLEAR THE STRIKE AND FLOOR.
- STEP 6: OPEN AND CLOSE DOOR SEVERAL TIMES AND MAKE SURE LATCHES ARE DEADLATCHED WHEN DOOR IS CLOSED. (READJUST RODS IF NEEDED)

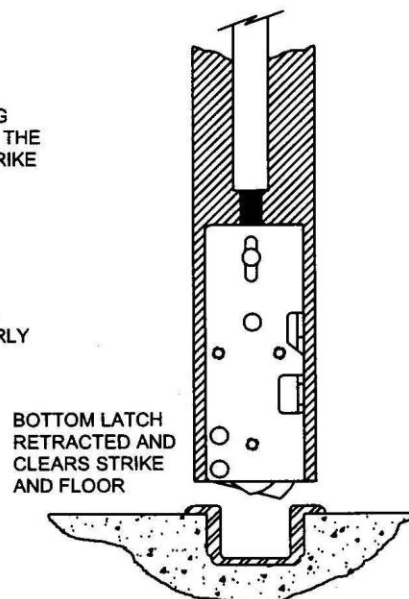


9847/9947 OR 3347A/3547A CONCEALED VERTICAL ROD EXIT DEVICE MECHANICAL ROD ADJUSTMENT INSTRUCTIONS



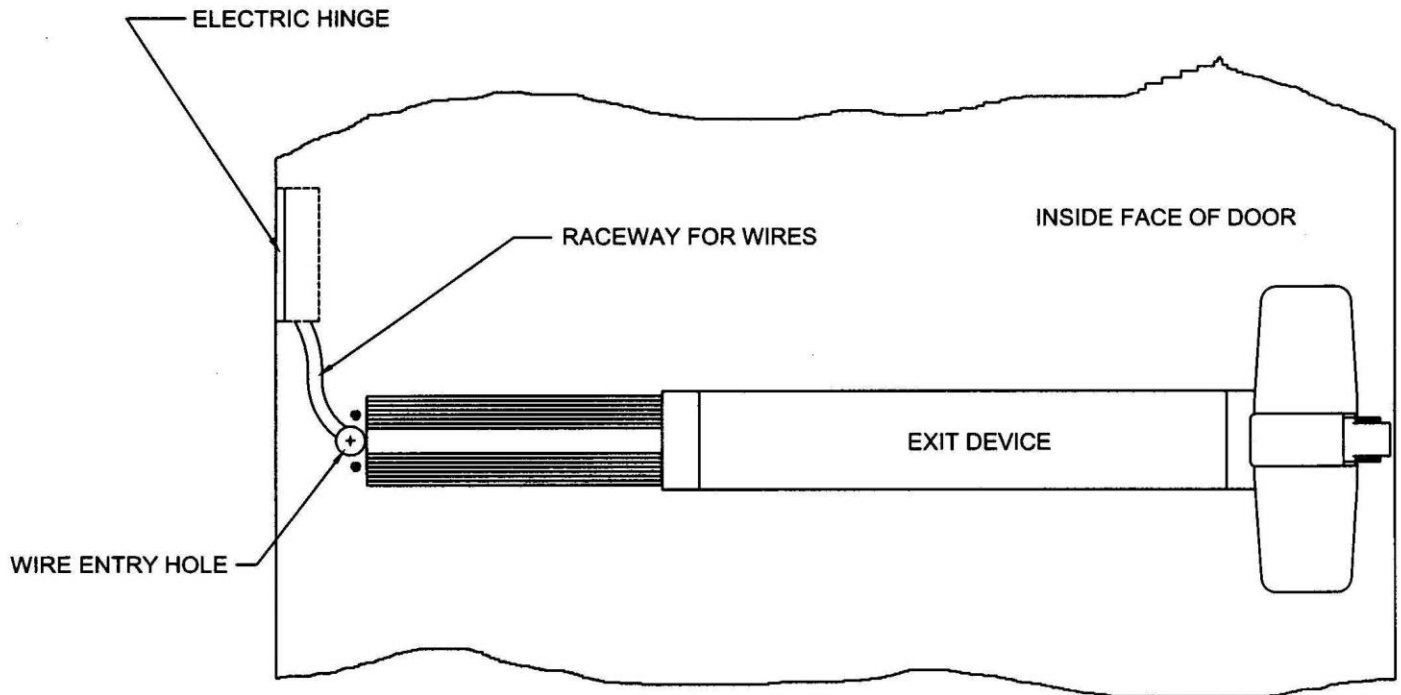
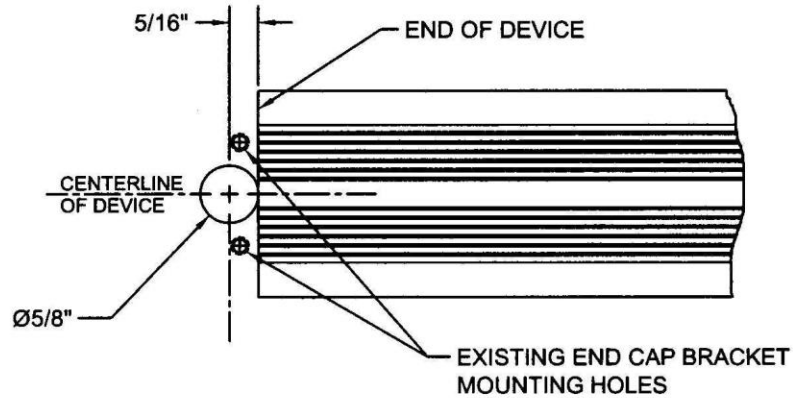
ADJUSTMENT INSTRUCTIONS

- STEP 1: OPEN DOOR AND RELEASE TOP LATCH BY INSERTING A SCREWDRIVER INTO THE 1/2" DIAMETER RATCHET RELEASE HOLE.
- STEP 2: LOOSEN BOTTOM LOCKING SCREW AND REMOVE BOTTOM ROD BY REMOVING THE BOTTOM ADJUSTING SCREW.
- STEP 3: LOOSEN TOP LOCKING SCREW AND TURN THE TOP ADJUSTING SCREW CLOCKWISE UNTIL THE TOP LATCH IS FULLY EXTENDED.
- STEP 4: MAKE SURE THE TOP LATCH IS EXTENDED AND DEADLOCKED BY PUSHING THE LATCH. IF THE LATCH DOES NOT PUSH IN THEN IT IS PROPERLY DEADLATCHED.
- STEP 5: TIGHTEN THE TOP LOCKING SCREW. (DO NOT OVERTIGHTEN)
- STEP 6: DEPRESS PUSHBAR AND RELEASE. MAKE SURE THAT THE TOP LATCH STAYS IN THE RETRACTED POSITION AND IS FLUSH WITH LATCH CASE.
- STEP 7: REINSTALL BOTTOM ADJUSTING SCREW INTO THE BOTTOM ROD.
- STEP 8: DEPRESS PUSHBAR TO RETRACT THE TOP LATCH, THEN ADJUST BOTTOM ROD BY TURNING BOTTOM ADJUSTING SCREW CLOCKWISE UNTIL THE BOTTOM LATCH BOLT CLEARS THE BOTTOM STRIKE AND FLOOR.
- STEP 9: TIGHTEN THE BOTTOM LOCKING SCREW. (DO NOT OVERTIGHTEN)
- STEP 10: CHECK FOR PROPER OPERATION BY OPENING AND CLOSING DOOR SEVERAL TIMES. IF DEVICE DOES NOT OPEN AND CLOSE PROPERLY REPEAT ADJUSTMENT INSTRUCTIONS.

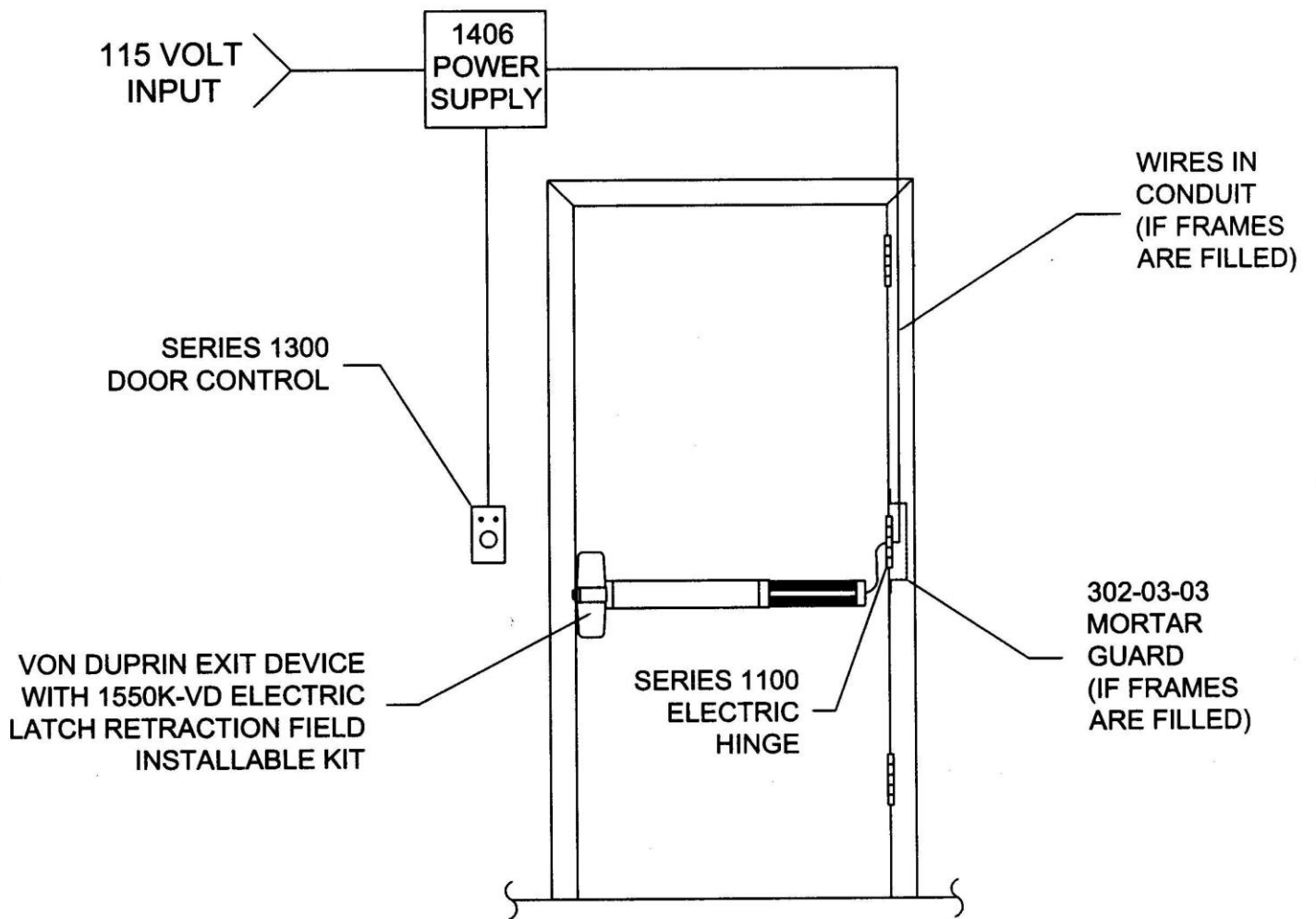


DOOR PREPARATION INSTRUCTIONS FOR USE ON ALL VON DUPRIN EXIT DEVICE MODELS

DRILL 5/8" DIAMETER HOLE THROUGH EXIT DEVICE SIDE OF DOOR ONLY
FOR ENTRY OF WIRES FROM EXIT DEVICE TO ELECTRIC HINGE.
LOCATE HOLE AS SHOWN BELOW IN ILLUSTRATION.



MODEL 1550K-VD TYPICAL INSTALLATION



2720 CLARK AVE., ST. LOUIS, MO 63103 (800) 753-5558