

King COBRA

BY SCHLAGE®

Installation Instructions

KC9000 Series

Manually Programmable Retrofit Trim for Adams Rite® MS1850, MS1850-050, MS1950 and 4070 DEADBOLTS

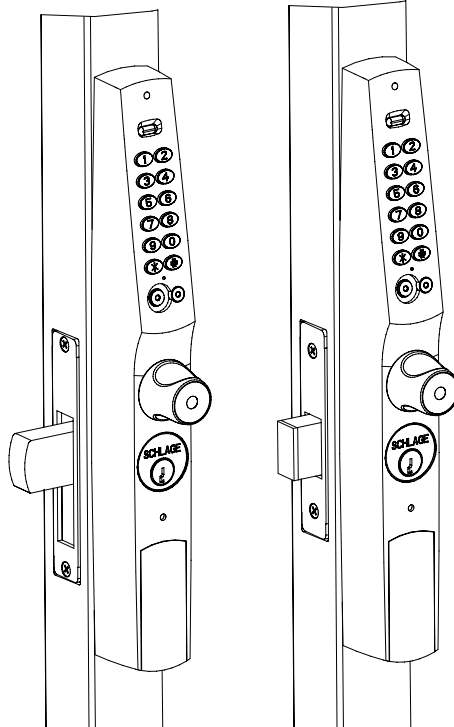
**Also compatible with Adams Rite® 4710 Deadlatch Locks
and 8400 mortise exit devices
for Narrow Stile Doors including all available backsets**

KC9232

Trim with Knob & MS Cam Interface

for

**Adams Rite® MS1850,
MS1850-050, MS1950
and 4070 DEADBOLTS,
4710 Deadlatch Locks,
and
8400 mortise exit devices**



KC9233

Trim with Knob & 4070 Cam Interface for Adams Rite® 4070 SHORT THROW DEADBOLT

The KC9232 and KC9233 are designed to replace existing exterior cylinders or trim on Adams Rite® deadlatches. The trim will retract the deadbolt or latch when an access code or iButton is entered and the knob is turned. Mechanical key override is standard. The trim is compatible with interior devices such as a thumbturn or mortise cylinder. Adams Rite® deadbolt accessories 4015 threshold bolt and 4016 header bolt are also compatible with these models of the KC9000 series trim. With existing or new Adams Rite® trim on the inside the 'hold back' feature is still possible for a continued unlatched function (see Adams Rite® instructions where applicable).



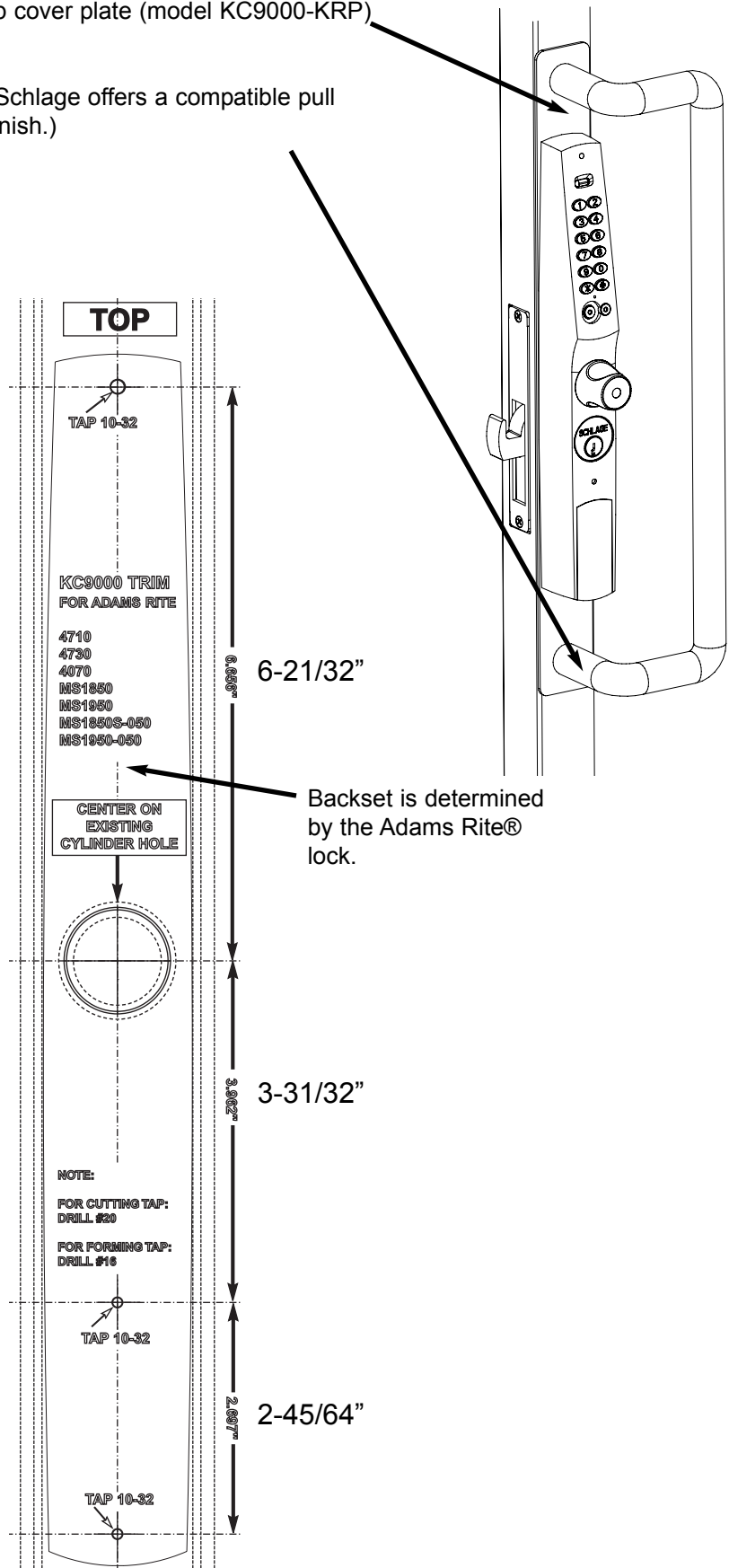
Door Conditions:

Door conditions may require the use of a prep cover plate (model KC9000-KRP) to cover holes left in the door.

If the existing pull must be removed, Ives by Schlage offers a compatible pull (models 8190-18-XXX, where XXX denotes finish.)

For factory prepped doors, use dimensions shown. Dimensions are referenced from center of 1-1/4" cylinder hole. Backset is determined by the Adams Rite® lock.

When installing new Adams Rite® locks, do not install outside cylinder (because this trim replaces it) and do not install faceplate at this time because access to the cylinder set screw in the lock will be required during installation.



CAMS FOR MECHANICAL KEY OVERRIDE CYLINDER:

The KC9000 trim requires the use of a clover leaf cam. This is a list of compatible Schlage parts. *For other manufacturers, consult cross-reference charts.*

| | | |
|------------------------------------|------------------|----------|
| Cam for Standard Mortise cylinder: | Schlage Everest: | L583-153 |
| | Schlage Classic: | L583-254 |
| Cam for Interchangeable Core: | Schlage IC Cam: | L583-255 |



IC Cores:

| | | |
|---|----------|---------------------|
| Small Format IC core w/ cam: | Schlage: | 80-108-<FINISH> |
| Note: requires the use of 1/4" blocking ring: | Schlage: | 36-079-025-<FINISH> |



| | | |
|---|----------|---------------------|
| Full Size IC core w/ cam: | Schlage: | 30-016-<FINISH> |
| Note: requires the use of 3/8" blocking ring: | Schlage: | 36-079-037-<FINISH> |



Cylinders/Blocking Rings:

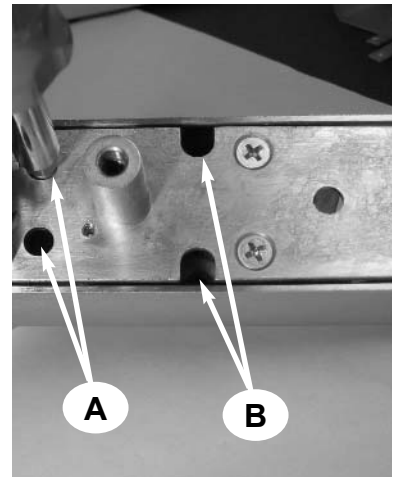
The KC9000 can use a 1" or 1-1/8" mortise cylinder without the use of a blocking ring. For cylinders longer than 1-1/8" a blocking ring is required. The blocking ring thickness is equal to the CYLINDER LENGTH - 1-1/8", for example, if you use a 1-1/2" cylinder you need a 3/8" blocking ring. Compression rings can be ordered from a Schlage Distributor.

| | Length: | Schlage Part Number: |
|---|----------------|-----------------------------|
| Blocking Ring for use without compression ring: | 1/8" | 36-079-012-<FINISH> |
| | 1/4" | 36-079-025-<FINISH> |
| | 3/8" | 36-079-037-<FINISH> |
| | 1/2" | 36-079-050-<FINISH> |



1a. INSTALL CYLINDER if not done at factory. Screws A & B are properly set at factory. If it is difficult to screw cylinder in loosen two screws near actuator (A) one turn. If the cylinder is still difficult to screw in loosen the other screws (B) one turn. **Do not loosen the screws all the way or it will be difficult to put them back!**

Note: The trim is designed to use a 1" or 1-1/8" mortise cylinder with a Schlage L583-153 (Everest) or equivalent cam. If the cylinder to be used is longer than 1-1/8" a spacer ring must be used. See Cylinder/Cam information on previous page.



1b. Insert key 1/2 way into cylinder and screw it in. Cylinders longer than 1-1/8" will require a blocking ring. They will stick out from the surface when properly installed. See cylinder information on previous page.



1c. When cylinder is screwed all the way in center keyway toward bottom as shown (if an interchangeable core cylinder is used, center the interface toward the bottom as shown in detail) and tighten the screws loosened in step 8a.



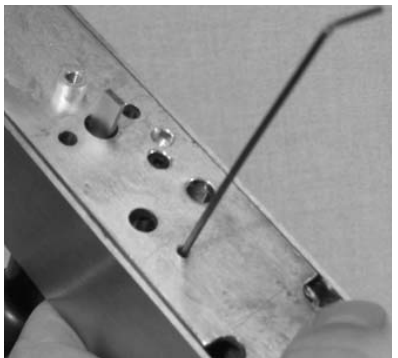
DETAIL



1d. With key removed, using 1/16" hex wrench screw cylinder back stop screw all the way in. The key should now only turn counterclockwise.

IMPORTANT! If using a 1" cylinder remove the factory-installed set screw and replace it with the longer one included in the screw pack.

NOTE: To remove cylinder, reverse these steps.



2. INSTALL Adams Rite® PRODUCT ACCORDING TO Adams Rite® INSTRUCTIONS.

- * In new installation, do not install face plate at this time.
- * If this is a retrofit installation remove face plate.



3. LOOSEN SET SCREW AND REMOVE OUTSIDE CYLINDER/TRIM IF PRESENT.

(In new installation, do not install cylinder on outside of Adams Rite® lock.)

Note: cylinder may be reused if fitted with the proper cam. See cylinder information on page 3&4.



4. PREPARE DOOR (THIS ONLY APPLIES TO RETROFIT APPLICATIONS.)

A. Place transparent self-adhesive template as shown. It is very important to line up the template with the existing cylinder hole and make the vertical guide lines on the template parallel with the edge of the door. The template can be lifted and repositioned as often as required to get the position correct.

NOTES:

* *The lines on the edges of the template are for vertical guidance only. Do not line them up with the edge of the door.*

* *Line the 1-1/4" circle up with the existing cylinder hole.*

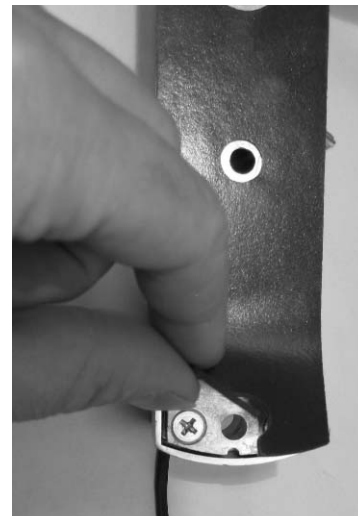
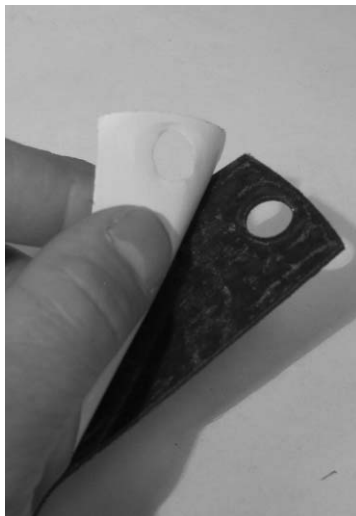
* *The template can be lifted and repositioned as often as required to get the position correct.*

B. Drill and tap holes.

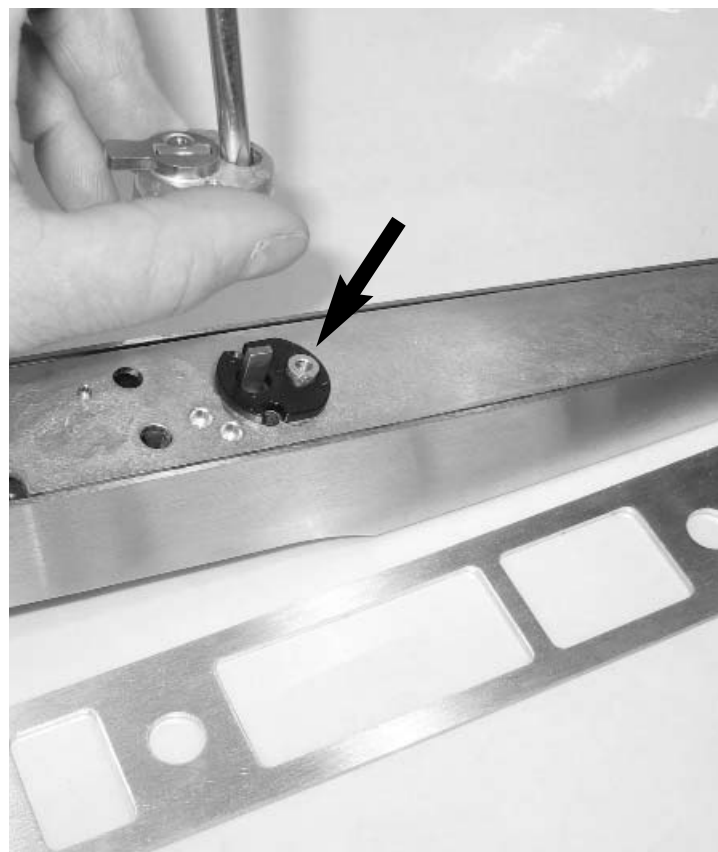
NOTE: if blind nuts are used (optional), see blind nut installation instructions for correct hole size and mounting method.



- 5a.** Peel paper backing off exterior gasket.
- 5b.** Carefully apply gasket to back of trim.



- 6.** Only if using a prep cover plate, install the interface spacer (included in the spacer plate kit) between the interface assembly and the trim. Use a phillips screwdriver to remove and reinstall the interface assembly.

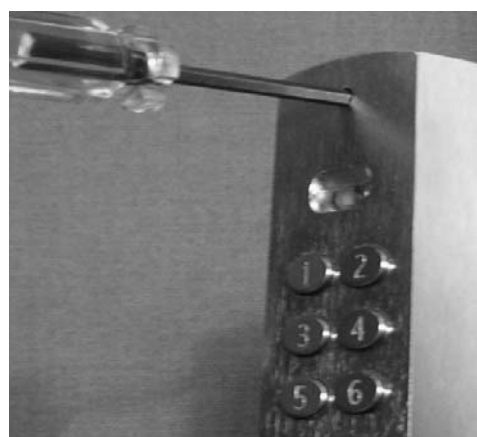


7. With key in cylinder, turn key counterclockwise until it stops. Install trim onto door. Carefully line up parts so they engage.

NOTE: Turning the key will make a part inside the trim move to allow access to the upper mounting screw and the battery cover in the next step. It must remain in this position to continue with the installation. When the key is turned back and removed the part inside the trim will again restrict access to the upper mounting screw and battery cover screw.



8. Using a ball-end 1/8" hex wrench tighten top screw on trim. (Do not completely tighten at this time.)

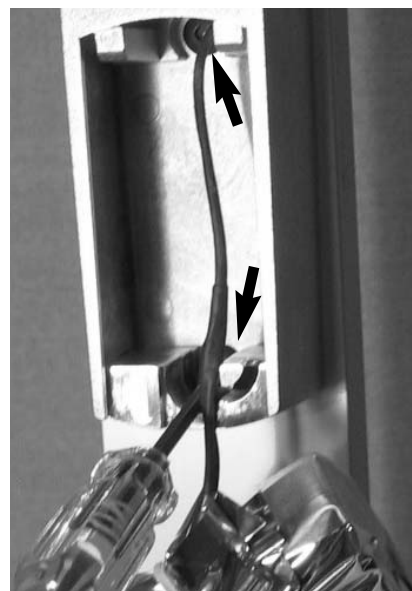


9. With key still in cylinder and still turned counterclockwise, use small flat head screw driver to loosen the battery cover screw. Loosen battery cover just enough to slide battery cover off and remove battery pack. Do not discard protective bag.

Note: if battery cover screw is loosened too much it will jamb the key override mechanism. This will not damage the lock but when the key is released the mechanism will not move until the cover screw is tightened.



10. Install lower two mounting screws in battery compartment. Tighten upper mounting screw completely at this time.



11. Install four AAA batteries following the polarity indicated on the battery holder. Re-install protective bag.



12. Fold bag over as shown with opening toward bottom.

IMPORTANT!

The bag is used to protect the batteries from moisture and insulate them electrically from metal parts. Do not discard the bag.



13. Install battery pack into compartment and tuck wiring in.



14. Slide cover back on and tighten cover screw. Rotate key clockwise and remove it.

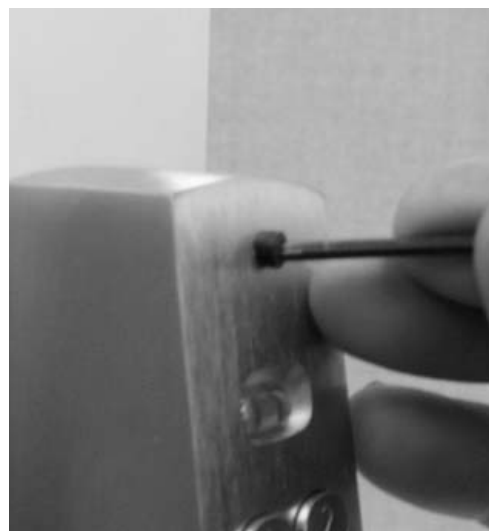


15. Tighten set screw and install latch face plate.

Note: when installing a KC9232 with a 4070 lock the set screw may interfere with cam operation when tightened. Loosen the set screw until the cam turns freely. Test operation by using the key and rotating the knob.



16. Install water plug in top hole. Using hex wrench or other tool, push plug into hole past surface.



TEST OPERATION:

1. Knob should rotate freely
2. Insert key into cylinder and rotate knob in direction required to retract latch (direction depends on door hand - if it doesn't work in one direction, try another.) You should be able to lock and unlock the deadbolt. (for 4710 deadlatches you should be able to retract the latch.
3. Rotate key back to original position and remove it. Knob should rotate freely and not operate the deadbolt/latch.
4. Using the keypad, enter the default access code: 1 3 5 7 9. The red LED should light each time a button is pressed and when 9 is pressed the green LED should flash for five seconds during which time the knob should be engaged and you should be able to lock or unlock the deadbolt.
5. Test inside cylinder or thumbturn (for 4710/4730/8400 models: paddle/exit device, etc.) to make sure it is properly operating.

OPERATIONAL RECOMMENDATIONS:

The knob models operate the deadbolt much like a key and therefore more time to operate the deadbolt/latch might be desired. See programming guide to change the relock time delay to a longer time.

The Adams Rite® 4710 can be operated by the knob to achieve the 'hold back' condition where the latch is held in the unlatched position for passage mode. To do this enter a code/iButton, push the latch all the way in and rotate the knob counterclockwise if the latch is to your left or clockwise if the latch is to your right. When you feel a little resistance turn a little harder. This will move a small hold back part to keep the latch from springing out. To reverse the condition and release the latch enter a code/iButton again and turn the knob clockwise if the latch is to your left and counterclockwise if the latch is to your right. This will move the small part out of the way and release the latch.

SEE PROGRAMMING GUIDE FOR PROGRAMMING INFORMATION.