

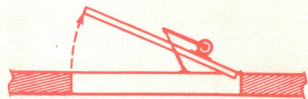
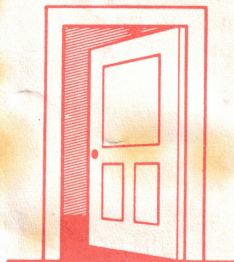
This Closer is Assembled

RIGHT

Hand for following Applications

(See opposite side of this sheet if necessary to convert to Left Hand)

REGULAR ATTACHMENT— On hinge side of door



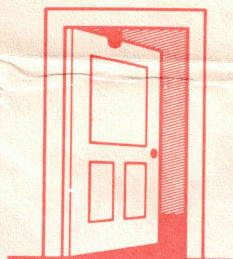
The Yale Compact Door Closer is usually installed on the hinge side of door. This is called the Regular Attachment. The Closer itself attaches directly to door; the arm to the jamb or frame.



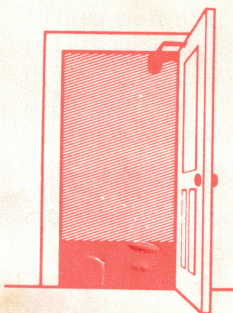
Attaching Closer to door gives maximum closing power and best control. Standard arm allows door to open about 100°.

- 1 Compare door with those pictured here. Doors on this page use only RIGHT Hand Closer. (If your door is not shown here, turn this sheet over for directions). Using cardboard marker packed with Closer, spot screw holes for Closer back plate and connecting arm bracket. Drill holes.
- 2 Attach Closer to door.
- 3 Adjust length of threaded connecting arm until it is at a right angle to jamb when door is closed. Attach arm.
- 4 Apply tension on spring as shown below.
- 5 Adjust closing speed as shown below.

SOFFIT or CORNER BRACKET ATTACHMENT — *On opposite-to-hinge side of door*



Closer can be installed on opposite-to-hinge side of door, for appearance reasons or to keep Closer inside of building. In this case the Closer is attached by a bracket on the under side of door jamb, or soffit. Connecting arm attaches to door. Corner Bracket is similar but puts Closer nearer hinge.



For opposite-to-hinge side mounting, the Soffit Bracket is most efficient. It gives full power and control, and allows door to open about 95° with standard length arm.

- 1 Compare your door with those shown here. These doors use a RIGHT Hand Closer. (Turn sheet over if your door is not pictured here). Use dimensions shown in bracket table at left to locate Soffit Bracket at correct distance from hinge. Spot and drill holes. If Corner Bracket, locate in hinge corner. Mount Bracket as near as possible to door edge of stop-strip.
- 2 Remove back plate from Closer pad. Use new screws provided to attach Closer to Bracket.
- 3 Use dimensions in table at left to locate point on door for arm attachment. Adjust length of arm until it is at a right angle to door when closed; apply.
- 4 Apply tension on spring as shown below.
- 5 Adjust closing speed as described below.

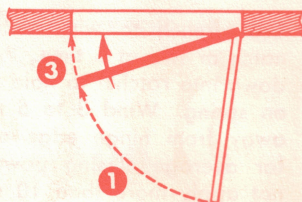
How to Adjust Closing Speed

Knurled cap on top of Closer adjusts speed of both GENERAL swing and final LATCHING action.

1. Screw knurled cap IN (clockwise) for slow GENERAL speed; turn OUT (counter-clockwise) to speed up.

2. For faster closing, lift up ratchet pin and wind ratchet 1 or 2 more notches. Do not wind more than necessary to close door properly.

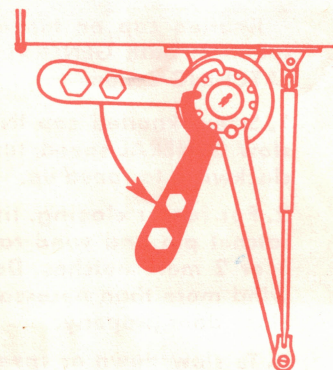
3. To slow down or speed up LATCHING action, adjust cap a half-turn or less, in or out.



How to Apply Closing Tension

A special wrench is packed with this Closer to apply closing tension to the spring. Ratchet pin in hub of main arm must be UP when tension is applied.

Use wrench to wind ratchet a notch or two at a time. Push pin down into ratchet to hold tension on spring. Wind 3 to 5 notches away from hinge edge of door for average closing power. Do not apply more than 10 notches maximum.



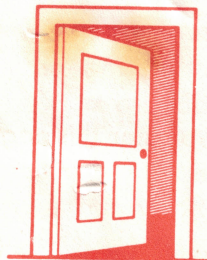
EASY TO REVERSE — If your door is shown on this page, you must convert this Closer from RIGHT to LEFT by following the instructions here ...

Applications for a

LEFT

Hand Closer are Shown below

REGULAR ATTACHMENT — *On hinge side of door*



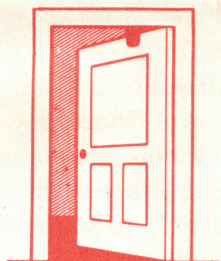
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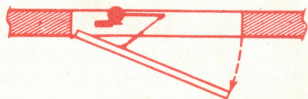
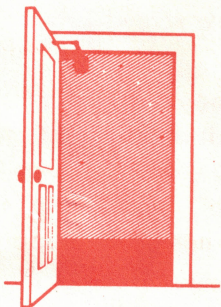
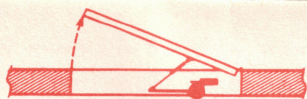
Attaching Closer to door gives maximum closing power and best control. Standard arm allows door to open about 100°.

- 1 Compare door with those pictured here. Doors on this page use only LEFT Hand Closer. (If your door is not shown here, turn this sheet over for directions). Using cardboard marker packed with Closer, spot screw holes for Closer back plate and connecting arm bracket. Drill holes.
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- 1 Compare your door with those shown here. These doors use a LEFT Hand Closer. (Turn sheet over if your door is not pictured here). Locate Soffit Bracket at correct distance from hinge, using same dimensions shown for Right Hand Bracket in table on opposite side of sheet. Spot and drill holes. If Corner Bracket, locate in hinge corner. Mount Bracket as near as possible to door edge of stop-strip.
- 2 Remove back plate from Closer pad. Use new screws provided to attach Closer to Bracket.
- 3 Use dimensions for Right Hand Bracket on opposite page to locate point on door for arm attachment. Adjust length of arm until it is at a right angle to door when closed; apply.
- 4 Apply tension on spring as shown below.
- 5 Adjust closing speed as described below.

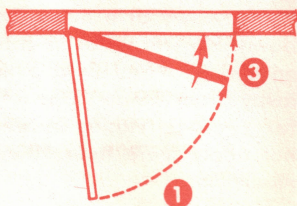
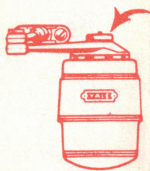
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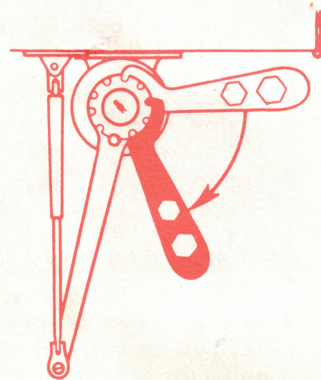
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The YALE

Compact

DOOR CLOSER



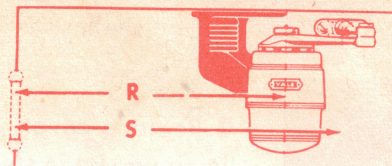
for Quiet and
Perfect Door Control

YOU HAVE THE CLOSER HERE
PLEASE INSTALL IT THIS WAY . . .

Assembled at the factory for

RIGHT
HAND OPERATION

Eaton Yale & Towne Inc. - Rye, New York, U.S.A.



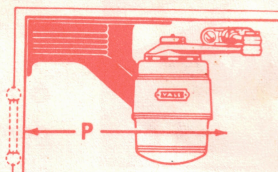
SOFFIT BRACKET MOUNTING

The Soffit Bracket holds Closer below door jamb. Distance of bracket from hinge is indicated below, according to size of closer.

Size	401	402	403	404	405
R	8"	9"	10"	11"	12"
S	10 1/4"	11 1/4"	12 1/4"	14"	15"

CORNER BRACKET MOUNTING

The Corner Bracket is similar but locates the Closer nearer the hinge.



Gives more head clearance in center of doorway and permits opening door about 150° with standard arms. Reduces power about one-third, however, and may make larger size Closer necessary for good control.

Size	451	452	453	454	455
P	7 7/8"	8 1/4"	8 3/4"	10 1/16"	10 9/16"

FOR WIDER DOOR OPENING — Special length arms

Extra length arms can be supplied for more than normal opening, or when Closer must be set farther than normal from hinge.

How to convert Closer to LEFT HAND

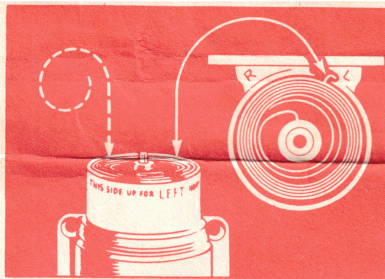


Follow step-by-step directions as illustrated, to make conversion quick and simple.

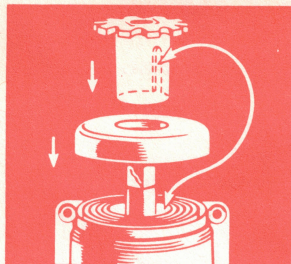
1 Remove cotter key and knurled cap. Unscrew hex nut with wrench. Release tension on ratchet if necessary using wrench and raising pin. Lift off arm leaving tag in place and pry up ratchet with screw driver. Remove cover.



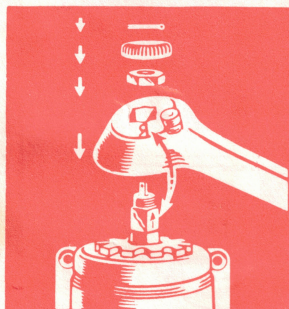
2 Lift out spring — use screw driver wedged between coils or turn Closer upside down and tap edge of back plate lightly.



3 Keeping spring free of dirt, turn it over so top side reads: "THIS SIDE UP FOR LEFT HAND." Insert spring with outer hook in groove at back of shell.

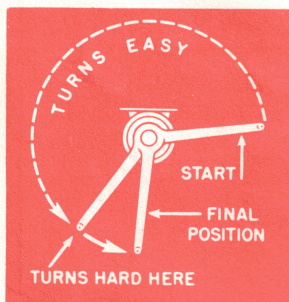


4 Replace cover. Insert ratchet, lining up slot in sleeve with inner hook on spring. Twist to be sure slot and hook are interlocked, then press in.



5 Replace arm on shaft with "L" (on arm) at arrow ↑ on shaft. Add top nut and tighten. Replace knurled cap and cotter key.

6 Hold ratchet pin up if tag is damaged. Turn shaft counter-clockwise until meeting resistance.



7 Put backplate in vise or hold flat between feet on floor. Pull arm sharply just past the resistance. This reverses checking mechanism.

Closer is Now **LEFT HAND**

It applies to doors shown on this page.