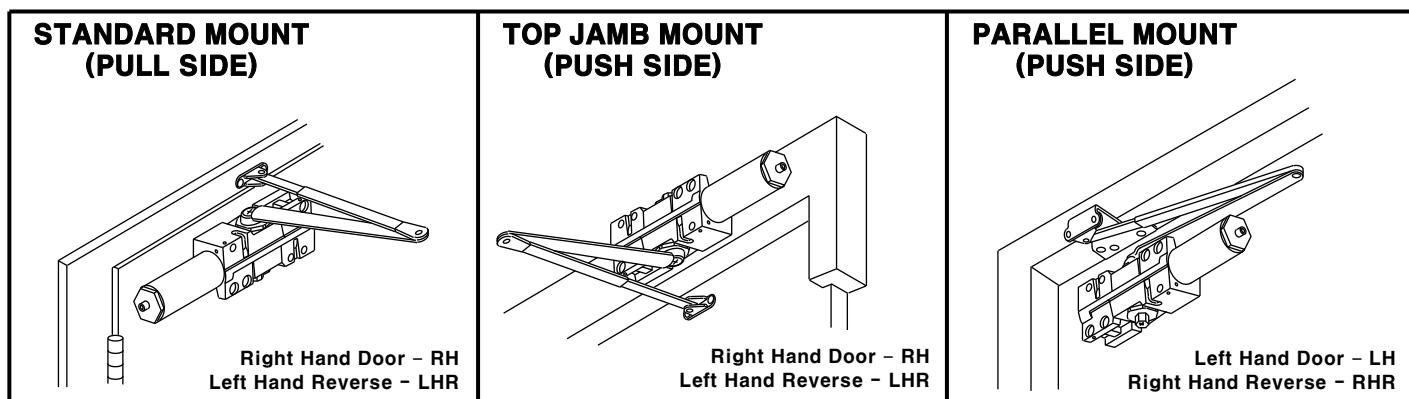


INSTALLATION INSTRUCTIONS

DC 40



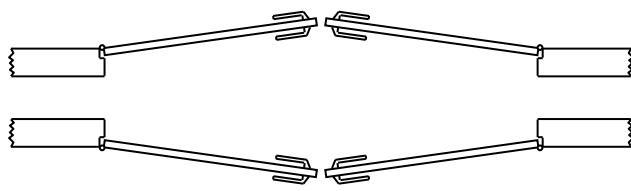
DOOR CLOSER SIZE	MAXIMUM DOOR WIDTH		FULL TURNS of POWER ADJUSTING SCREW
	EXTERIOR (SWING OUT)	INTERIOR	
BF	-	5 lb-f	15 C.C.W
1	28" (0.71m)	32" (0.81m)	13~11 C.C.W
2	32" (0.81m)	36" (0.91m)	10~4 C.C.W
3	36" (0.91m)	42" (1.07m)	0 (PRESET)
4	42" (1.07m)	48" (1.22m)	3~4 C.W
5	48" (1.22m)	54" (1.37m)	5~7 C.W
6	54" (1.37m)	58" (1.47m)	8~10 C.W

C.W. = CLOCKWISE
C.C.W = COUNTER CLOCKWISE

PLEASE NOTE
TURNS REQUIRED ARE APPROXIMATE
BECAUSE OF VARIOUS DOOR CONDITIONS
AND LOCATIONS. YOU MAY HAVE TO
FURTHER ADJUST SPRING TENSION TO
SUIT YOUR REQUIREMENTS

DOOR HANDING US STANDARDIZATION PROCEDURE

DC 40 BF
DC 40 BF.DA

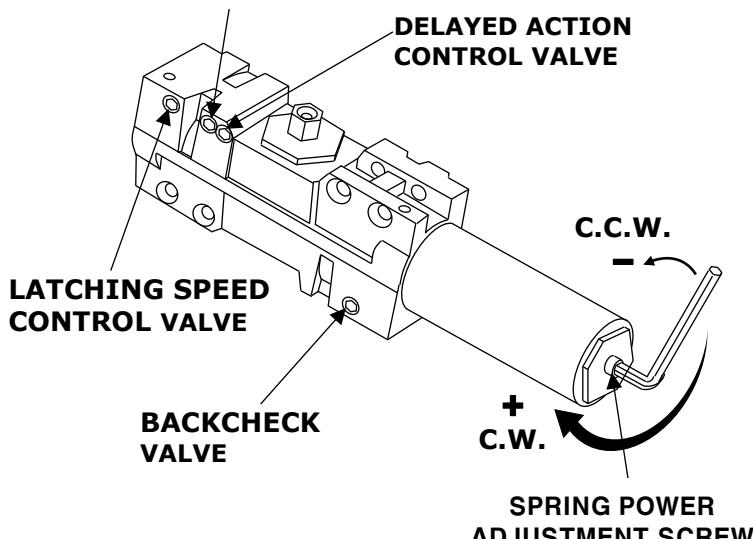


DOOR HANDS DETERMINED FROM OUTSIDE

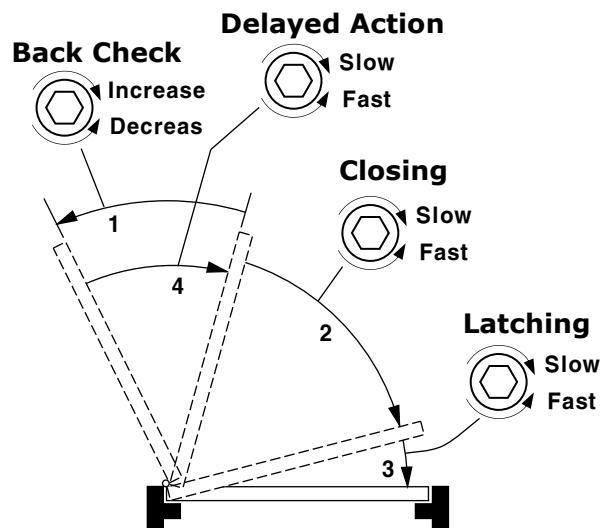
IT IS IMPORTANT TO CAREFULLY
FOLLOW ALL INSTALLATION AND
MOUNTING INSTRUCTIONS WHEN
INSTALLING ANY DOOR CLOSER.

CAUTION!! Do not turn speed adjusting valve more than two(2) full turns counter-clockwise from its factory set position, in order not to back the valves out of closer or a leak will result.

CLOSING SPEED CONTROL VALVE



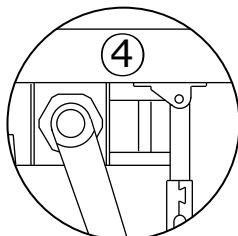
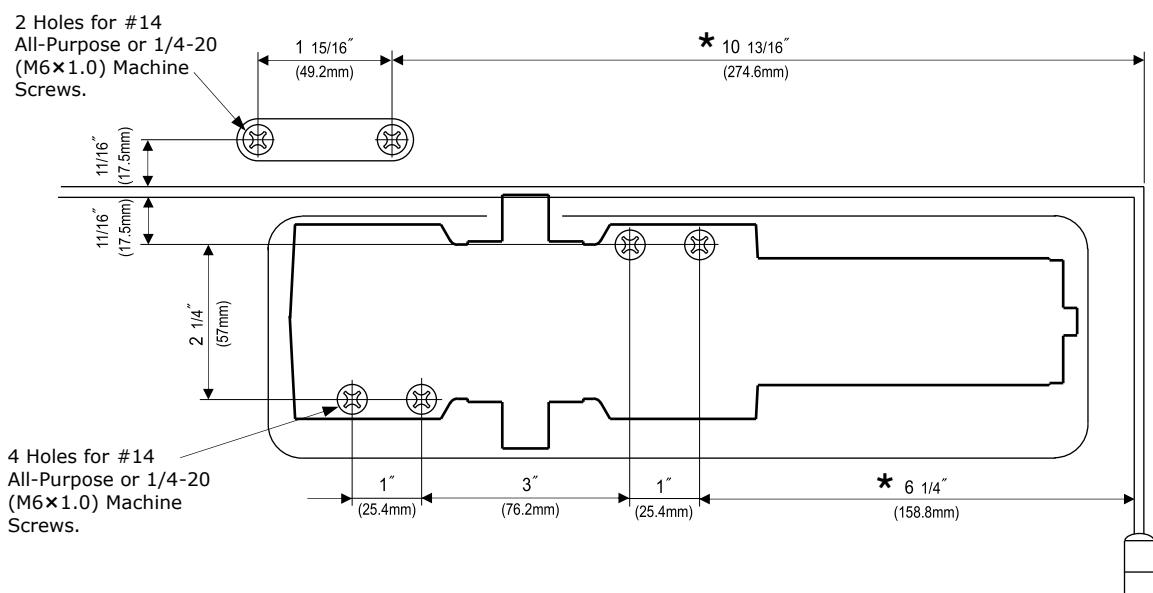
CONTROL RANGE



STANDARD INSTALLATION CLOSER MOUNTED ON DOOR ON PULL SIDE

DOOR OPENING: 120°

LEFT HAND DOOR shown. RIGHT HAND DOOR is opposite.



1. Adjust spring power to match door width as indicated by chart on page 1.
2. Mount closer on door as dimensions shown. Tube end toward hinge. If pivots are used, locate closer and shoe from CENTERLINE OF PIVOT. (For offset pivots, pls increase the marked dimensions by 1/8")
3. Place main arm on top of shaft, 100° to closer body, insert arm screw into top of shaft and tighten.
4. Attach shoe to frame as shown. (If more latching power is required, shoe 180°)
5. Open door and insert rod in forearm.
6. With forearm at left angle to door (90°), insert forearm set screw and tighten. (IF HOLD OPEN ARM IS USED, THE NUT IS ON THE TOP FOR RH DOOR AND BOTTOM FOR LH DOOR)

REGULATION:

A 'Normal' closing time from 90° open position to door stop position is 4-6 secs, evenly divided between main swing speed and latch swing speed. Use socket key (furnished) to adjust speed. To slow main speed of door, turn regulating screw nearest shaft clockwise. To slow latch speed, turn regulating screw nearest latch clockwise.

BACK CHECK

To increase back-check force, turn regulating screw nearest hinge clockwise. DO NOT USE ABRUPT BACKCHECK OR EXPECT DOOR CLOSER TO ACT AS A DOOR STOP.

COVER

Place insert in proper cutout, then push cover against door. Tighten both cover screw securely.

HOLD OPEN ADJUSTMENT (when hold open arm is used)

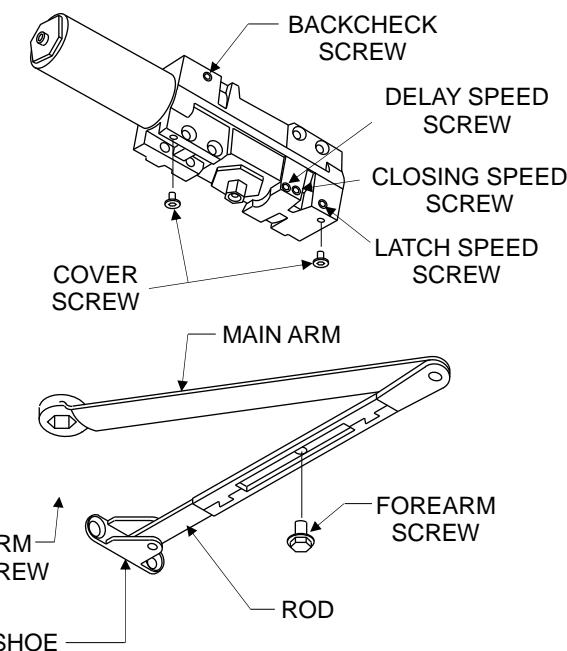
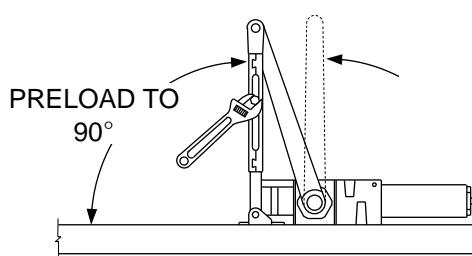
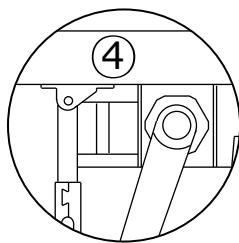
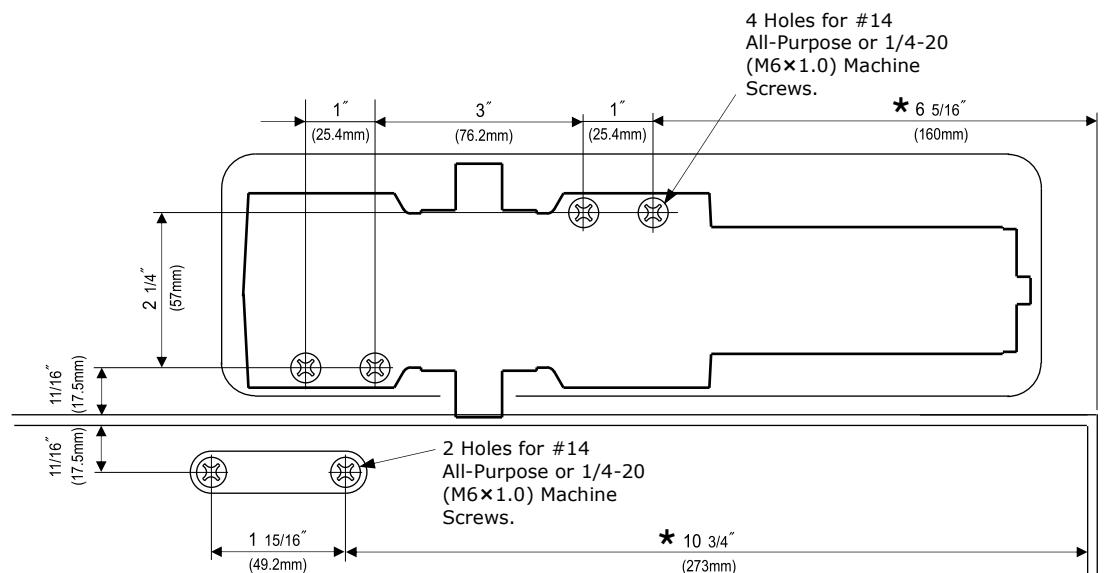
Loose adjusting nut, open door to desired hold open position and tighten nut. Do not permit door to swing beyond hold open setting.

TOP JAMB INSTALLATION

CLOSER MOUNTED TOP JAMB ON PUSH SIDE OF DOOR

DOOR OPENING: 120°

RIGHT HAND DOOR shown. LEFT HAND DOOR is opposite.



1. Adjust spring power to match door width as indicated by chart on page1.
2. Mount closer on frame as dimensions shown. Tube end toward hinge. If pivots are used, locate closer and shoe from CENTERLINE OF PIVOT. (For offset pivots, pls increase the marked dimensions by 1/8")
3. Place main arm on top of shaft, 100° to closer body, insert arm screw into top of shaft and tighten.
4. Attach shoe to frame as shown. (If more latching power is required, shoe 180°)
5. Open door and insert rod in forearm.
6. With forearm at left angle to door (90°), insert forearm set screw and tighten. (IF HOLD OPEN ARM IS USED, THE NUT IS ON THE TOP FOR RH DOOR AND BOTTOM FOR LH DOOR)

REGULATION:

A 'Normal' closing time from 90° open position to door stop position is 4-6 secs, evenly divided between main swing speed and latch swing speed. Use socket key (furnished) to adjust speed. To slow main speed of door, turn regulating screw nearest shaft clockwise. To slow latch speed, turn regulating screw nearest latch clockwise.

BACK CHECK

To increase back-check force, turn regulating screw nearest hinge clockwise. DO NOT USE ABRUPT BACKCHECK OR EXPECT DOOR CLOSER TO ACT AS A DOOR STOP.

COVER

Place insert in proper cutout, then push cover against door. Tighten both cover screw securely.

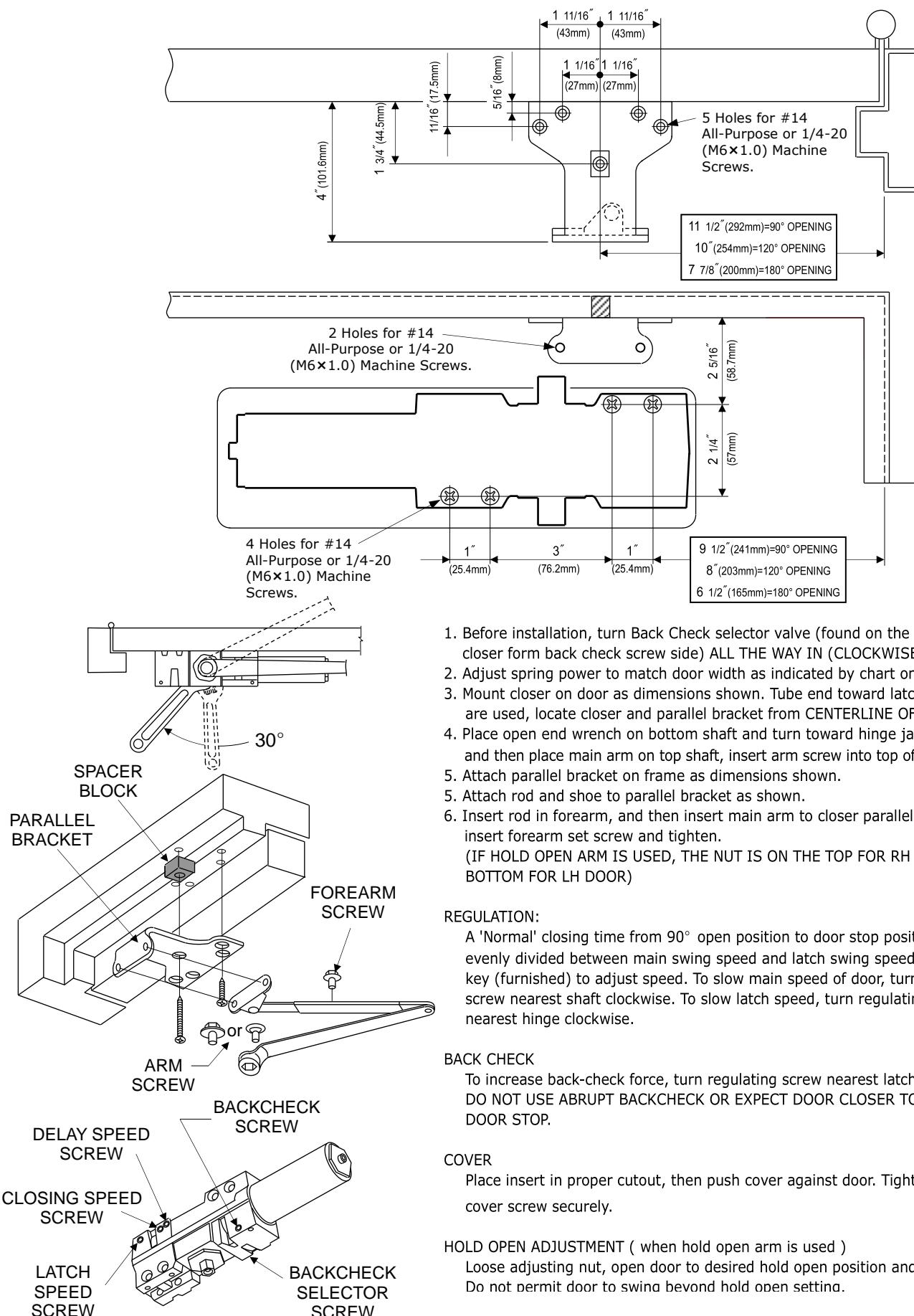
HOLD OPEN ADJUSTMENT (when hold open arm is used)

Loose adjusting nut, open door to desired hold open position and tighten nut. Do not permit door to swing beyond hold open setting.

PARALLEL ARM INSTALLATION CLOSER MOUNTED ON DOOR ON PUSH SIDE

DOOR OPENING: 180°

RIGHT HAND DOOR shown. LEFT HAND DOOR is opposite.



1. Before installation, turn Back Check selector valve (found on the opposite side of closer from back check screw side) ALL THE WAY IN (CLOCKWISE).
2. Adjust spring power to match door width as indicated by chart on page 1.
3. Mount closer on door as dimensions shown. Tube end toward latch. If pivots are used, locate closer and parallel bracket from CENTERLINE OF PIVOT.
4. Place open end wrench on bottom shaft and turn toward hinge jamb about 30°, and then place main arm on top shaft, insert arm screw into top of shaft and tighten.
5. Attach parallel bracket on frame as dimensions shown.
6. Attach rod and shoe to parallel bracket as shown.
7. Insert rod in forearm, and then insert main arm to closer parallel to door. Then insert forearm set screw and tighten.
(IF HOLD OPEN ARM IS USED, THE NUT IS ON THE TOP FOR RH DOOR AND BOTTOM FOR LH DOOR)

REGULATION:

A 'Normal' closing time from 90° open position to door stop position is 4-6 secs, evenly divided between main swing speed and latch swing speed. Use socket key (furnished) to adjust speed. To slow main speed of door, turn regulating screw nearest shaft clockwise. To slow latch speed, turn regulating screw nearest hinge clockwise.

BACK CHECK

To increase back-check force, turn regulating screw nearest latch clockwise. DO NOT USE ABRUPT BACKCHECK OR EXPECT DOOR CLOSER TO ACT AS A DOOR STOP.

COVER

Place insert in proper cutout, then push cover against door. Tighten both cover screw securely.

HOLD OPEN ADJUSTMENT (when hold open arm is used)

Loose adjusting nut, open door to desired hold open position and tighten nut. Do not permit door to swing beyond hold open setting.