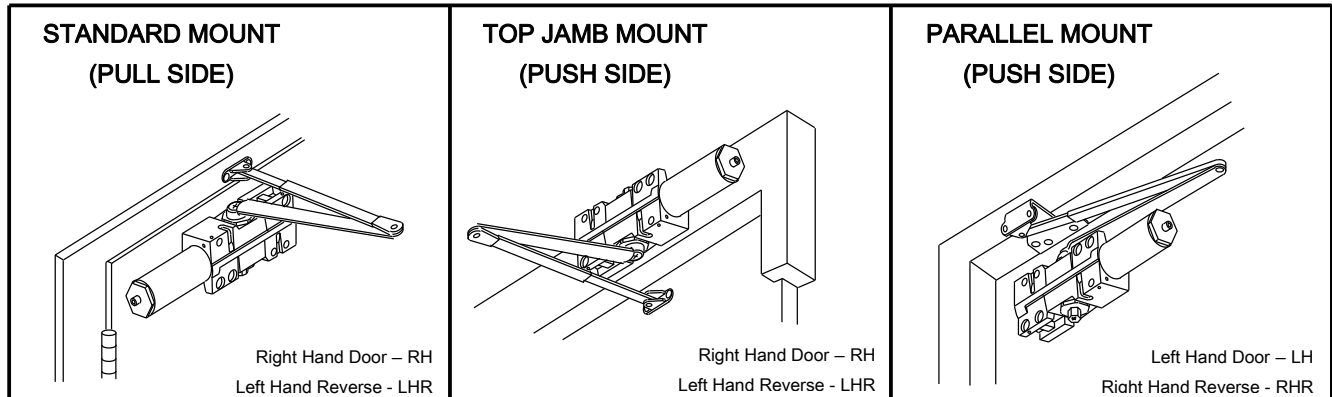


TDC 5051 series

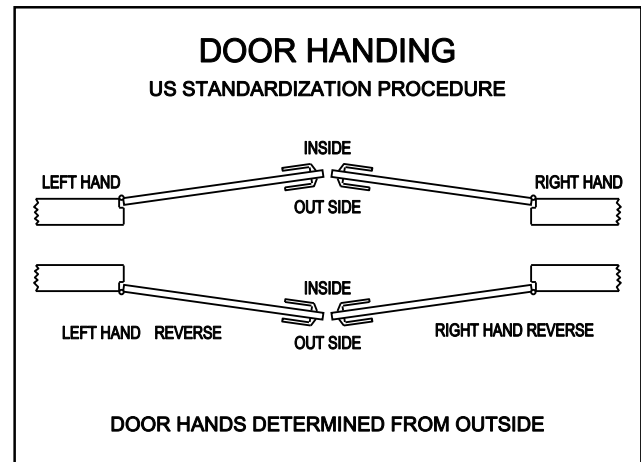
*Apparent pivot point has been added to the template below! Please follow the sizes accordingly.

DOOR CLOSER

INSTALLATION INSTRUCTION



MAXIMUM DOOR WIDTH		TURNS REQUIRED
EXTERIOR DOORS	INTERIOR DOORS	
8.5 lb-f	5 lb-f	6 TURNS C.C.W.
	34" (864)	3 TURNS C.C.W.
30" (762)	38" (962)	PRESET
36" (914)	48" (1219)	3 TURNS C.W.
42" (1067)	54" (1372)	7 TURNS C.W.
48" (1219)	60" (1524)	12 TURNS C.W.

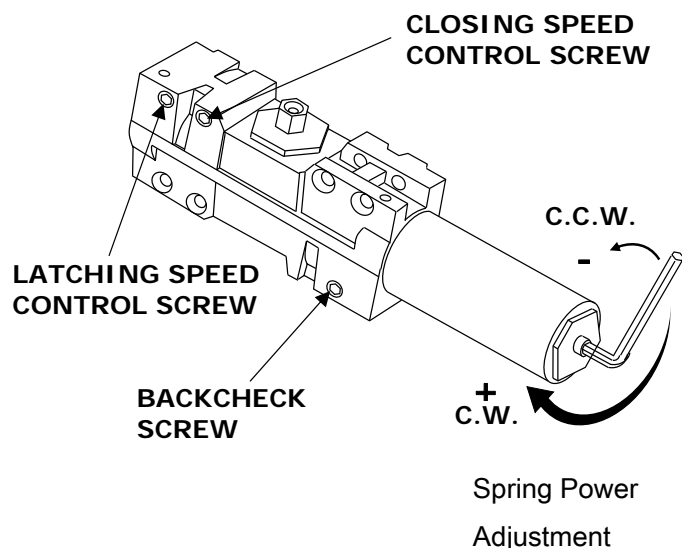


C.W. = CLOCKWISE
C.C.W. = COUNTER CLOCKWISE

PLEASE NOTE

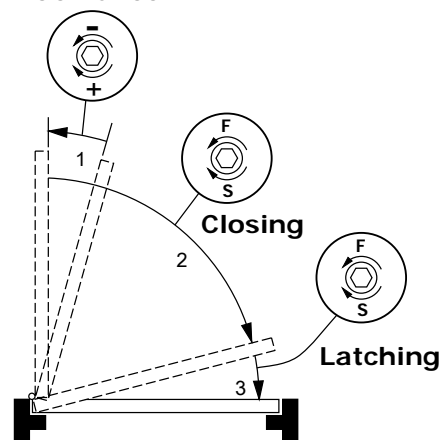
TURNS REQUIRED ARE APPROXIMATE BECAUSE OF VARIOUS DOOR CONDITIONS AND LOCATIONS. YOU MAY HAVE TO FURTHER ADJUST SPRING TENSION TO SUIT YOUR REQUIREMENTS.

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



CONTROL RANGE

Back Check

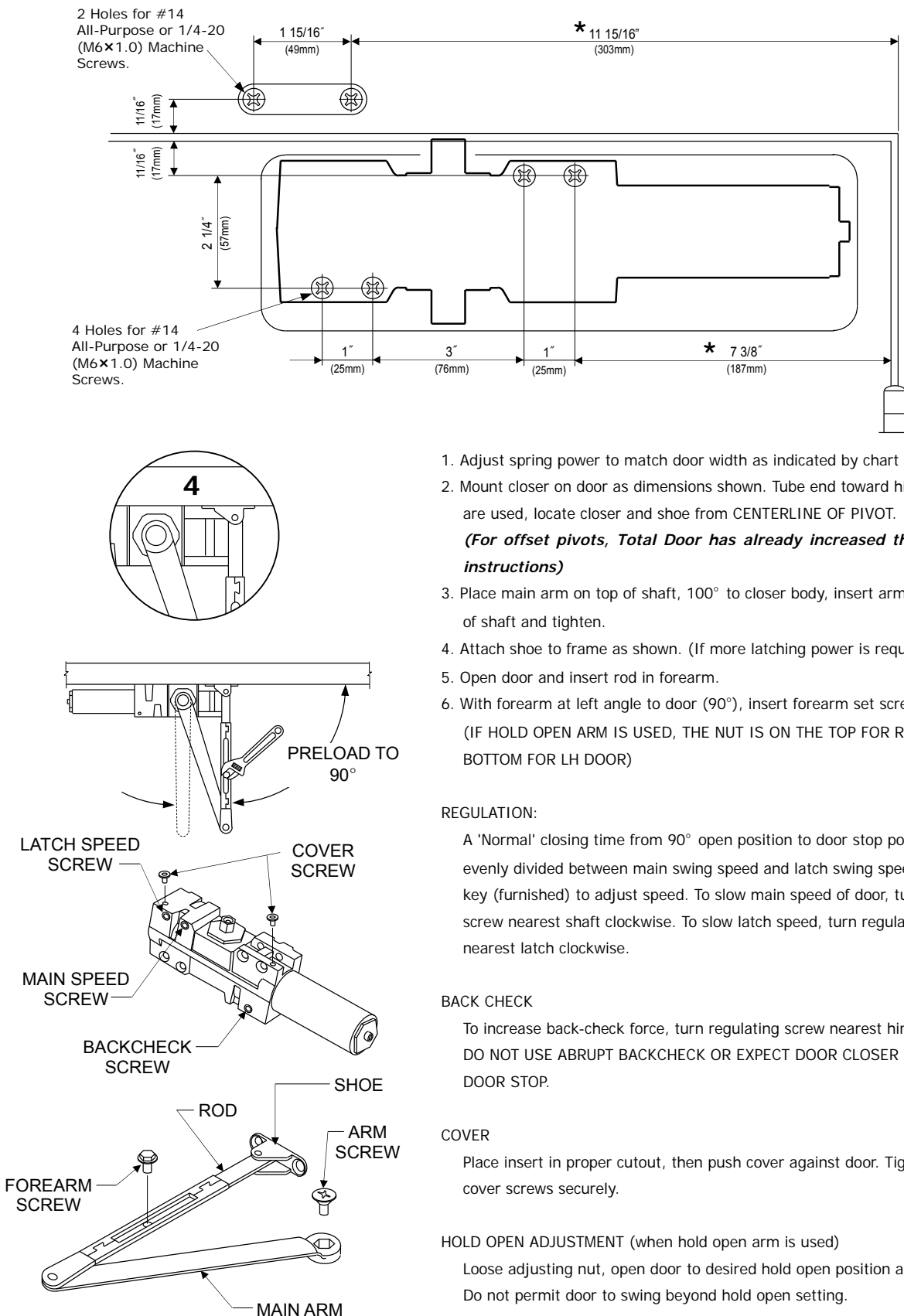


STANDARD INSTALLATION

CLOSER MOUNTED ON DOOR ON PULL SIDE (Total Door Systems)

DOOR OPENING: 120°

This drawing shown is LEFT HAND DOOR. For RIGHT HAND DOOR should be installed in symmetry.



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, Total Door has already increased the size on these instructions)
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 screws securely.

HOLD OPEN ADJUSTMENT (when hold open arm is used)

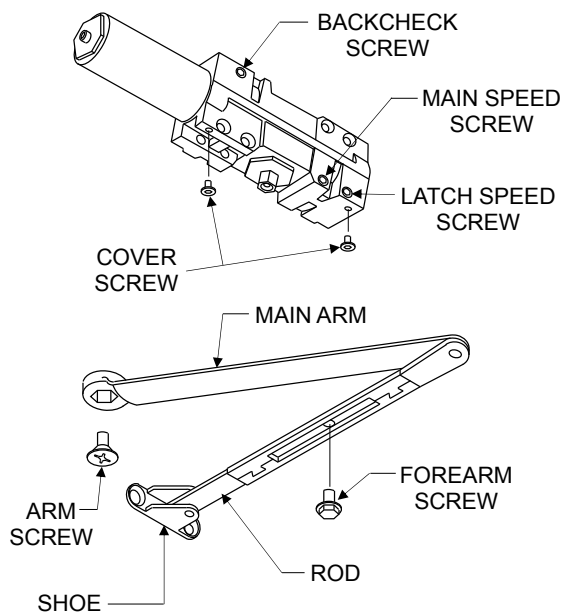
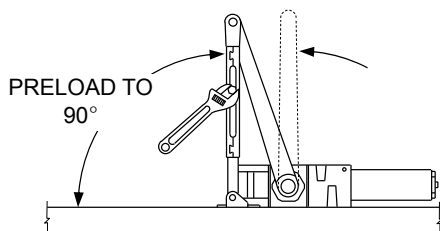
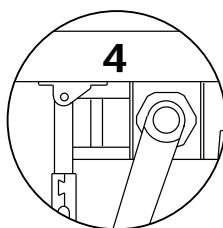
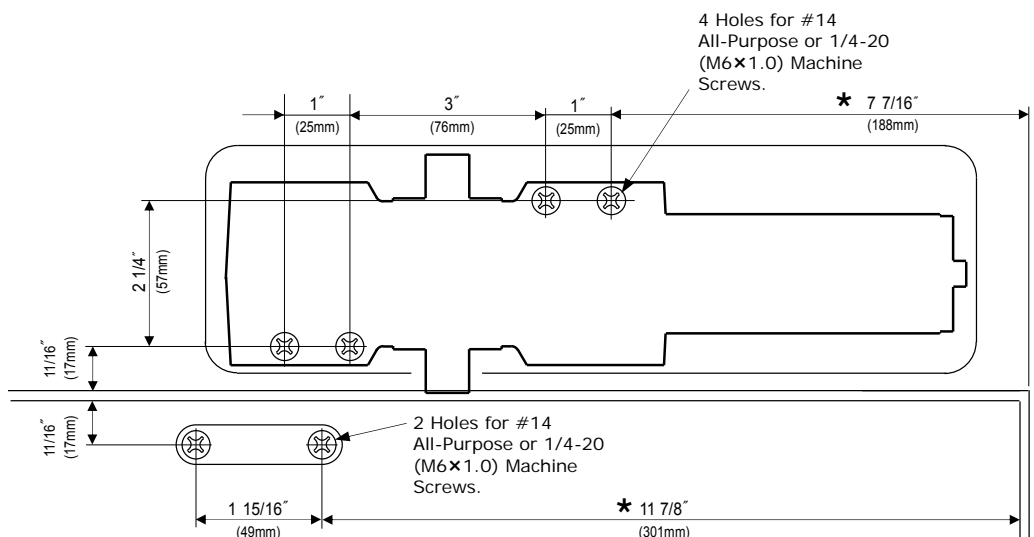
Loose adjusting nut, open door to desired hold open position and tighten nut. Do not permit door to swing beyond hold open setting.

TOP JAMB INSTALLATION

CLOSER MOUNTED TOP JAMB ON PUSH SIDE OF DOOR (Total Door Systems)

DOOR OPENING: 120°

This drawing shown is RIGHT HAND DOOR. For LEFT HAND DOOR should be installed in symmetry.



1. Adjust spring power to match door width as indicated by chart on page 1.

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, Total Door has already increased the size on these instructions)

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 screws securely.

HOLD OPEN ADJUSTMENT (when hold open arm is used)

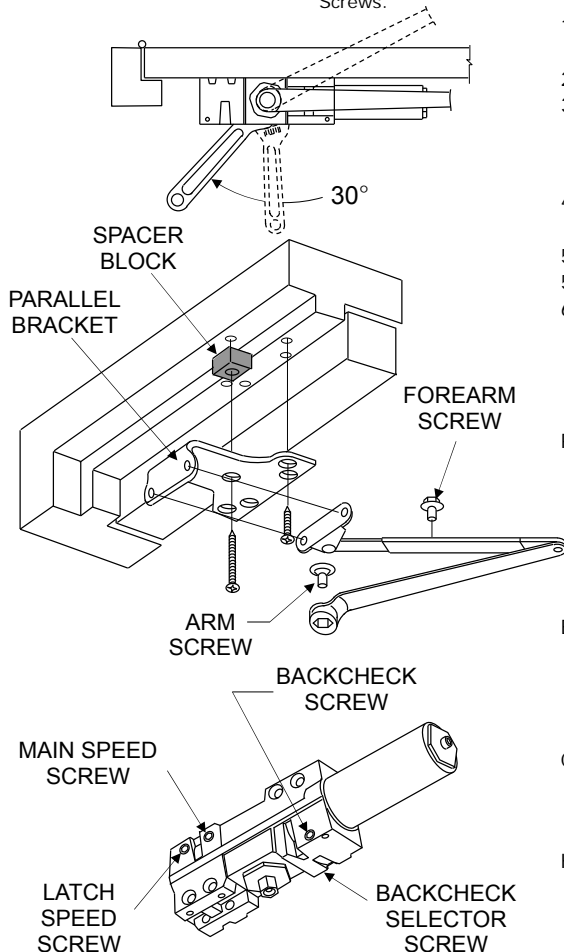
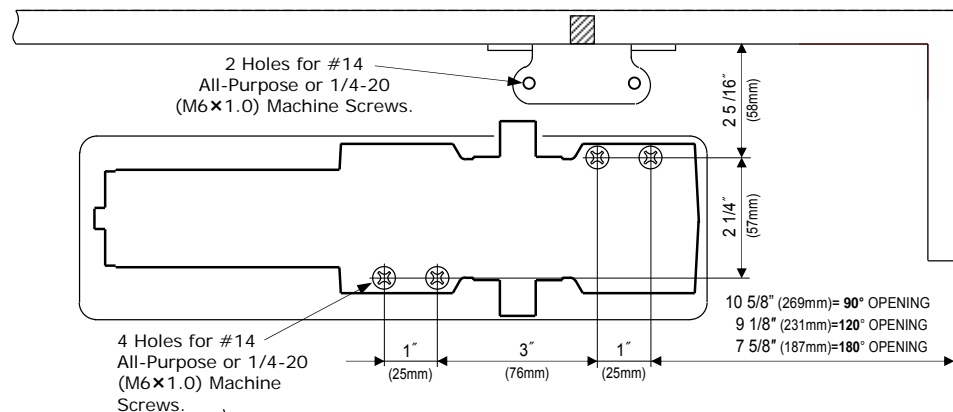
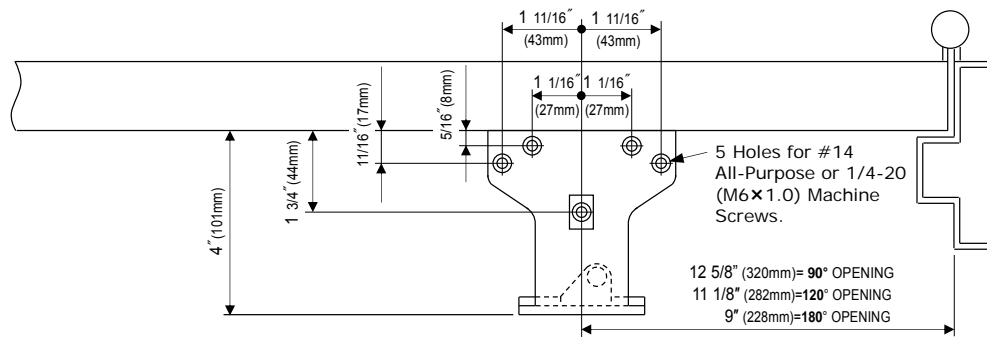
Loose adjusting nut, open door to desired hold open position and tighten nut. Do not permit door to swing beyond hold open setting.

PARALLEL ARM INSTALLATION

CLOSER MOUNTED ON DOOR ON PUSH SIDE (Total Door Systems)

DOOR OPENING: 180°

This drawing shown is **RIGHT HAND DOOR**. For **LEFT HAND DOOR** should be installed in symmetry.



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**. **(For offset pivots, Total Door has already increased the size on these instructions)**
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.
5. Attach rod and shoe to parallel bracket as shown.
6. 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 screws 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.