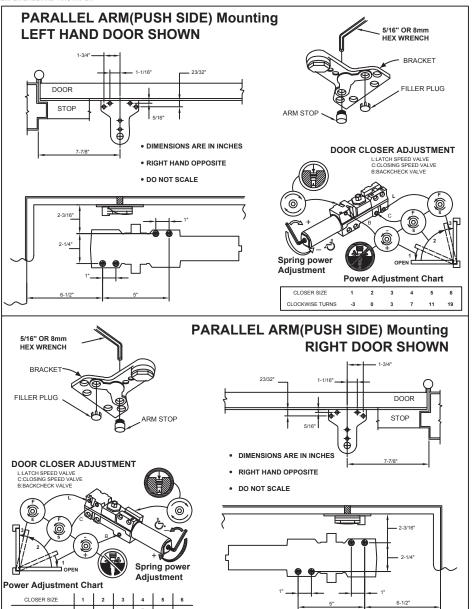
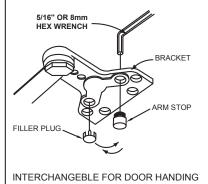


SM90 SERIES DOOR CLOSER CUSH ARM INSTALLATION & INSTRUCTION





THE HAND MUST BE DETERMINED & CHANGED IF NECESSARY BEFORE THE BRACKET IS MOUNTED TO THE DOOR STOP(TOP

Refer to page 1.

FOR LEFT HAND DOORS

All brackets are shipped assembled for LEFT HAND DOOR.Insert $\frac{6}{16}$ (8mm) hex wrench into ARM STOP and Turn counter clockwise to seat as tightly as possible. Push filler plug in firmly.

FOR RIGHT HAND DOORS

Pull filler plug out of bracket Use a %6"(8mm) hex wrench, Turn ARM STOP clockwise to remove ose a 76 (unif) has weight in ARM STOP clockwise to fellove from bracket insert hole. Turn hex wrench counter clockwise to seat ARM STOP as tightly as possible.

Push filler plug into other hole.

INSTALLATION SEQUENCE LEFT HAND DOOR SHOWN- RIGHT HAND DOOR OPPOSITE

∠!\ CAUTION

IMPROPER INSTALLATION OR REGULATION MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.FOLLOW ALL

INSTRUCTIONS CAREFULLY

CLOSIG SPEED VALVE

- 1.Adjusting spring power to match door width or weight as indicated by Power Adjustment Chart shown on page 1
- 2.Mount closer on door to dimensions shown on page 1.
 3.Attach MAIN ARM as follows. (a) Remove stud at junction between MAIN ARM and FOREARM
- (b)-IMPORTANT-place open end wrench (spanner) on bottom shaft and turn toward hinge edge about 30 ° (c) Place MAIN ARM on top shaft parallel with door and secure with shaft screw with wrench
- Attach BRACKET to door stop (Top jamb) as shown on page 1
 Swing door open about 30° join main arm and forearm insert stud and tighten securely.

IMPORTANT REMARKS

REGULATION

Do not allow door to slam into frame A normal standard closing time from 90° open position is 7 seconds evenly divided between main closing(sweep)speed and latching speed Adjust the CLOSING speed first then adjust the

LATCHING speed. For slow closing speed of door turn speed adjusting valve of "C" (closing speed)clockwise and anti-clockwise for fast. latching speed control of door is the same manner as closing speed

ADJUSTABLE BACK CHECK FUNCTION

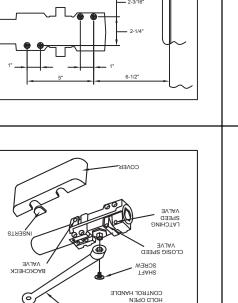
This function is essential to the proper operartion of the SUPER RIGID PARALLEL ARM.Use just enough to preven arm to striking stop with impact. See page 1.

ATTACH COVER

Slide cover insert into un-used cutout in cover

HOW TO HOLD-OPEN(90° STOP)

A guarter turn on the HOLD-OPEN CONTROL HANDLE engages or



useudages pold-open. A quarter turn on the HOLD-OPEN CONTROL HANDLE engages or

HOM TO HOLD-OPEN(90° STOP)

Install cover securely using screws provided. Slide cover insert into un-used cutout in cover

ATTACH COVER

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ADJUSTABLE BACK CHECK FUNCTION

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tighten securely.

IMPORTANT REMARKS

4. Attach BRACKET to door stop (Top jamb) as shown on page 1 5. Swing door open about 30° join main arm and forearm insert stud and thicker secretary with shaft screw with wrench (c) Place MAIN ARM on top shaft parallel with door and secure

(b)-IMPORTANT-place open end wrench (spanner) on bottom (a) Remove stud at junction between MAIA MRM and FOREARM

indicated by Power Adjustment Chart shown on page 1. A.Adjusting spring power to match door width or weight as

MAY RESULT IN PERSONAL INJURY OR 2.Mount closer on door to dimensions shown on page 1.3. Attach MAIN MRM as follows. MOROPER INSTALLATION OR REGULATION MOITUAD (!)

LEFT HAND DOOR SHOWN- RIGHT HAND DOOR OPPOSITE

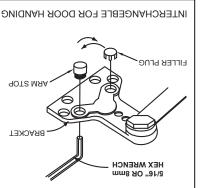
INSTALLATION SEQUENCE

Push filler plug into other hole. from bracket insert hole . Turn hex wrench counter clockwise to seat ARM STOP as tightly as possible. Use a Ne"(8mm) hex wrench, Turn ARM STOP clockwise to remove Pull filler plug out of bracket FOR RIGHT HAND DOORS

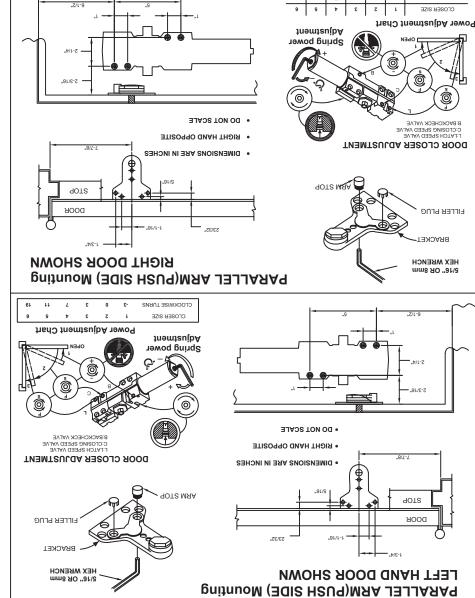
Push filler plug in firmly. sear as rignily as possible. (8mm) hex wrench into ARM STOP and Turn counter clockwise to All brackets are shipped assembled for LEFT HAVD DOOR.Insert $\%_6$ FOR LEFT HAND DOORS

> Refer to page 1. .(BMAL

THE HAND MUST BE DETERMINED & CHANGED IF NECESSARY BEFORE THE BRACKET IS MOUNTED TO THE DOOR STOP(TOP



PROPERTY DAMAGE.FOLLOW ALL



CUSH ARM INSTALLATION & INSTRUCTION 2W90 SEKIES DOOK CLOSER

