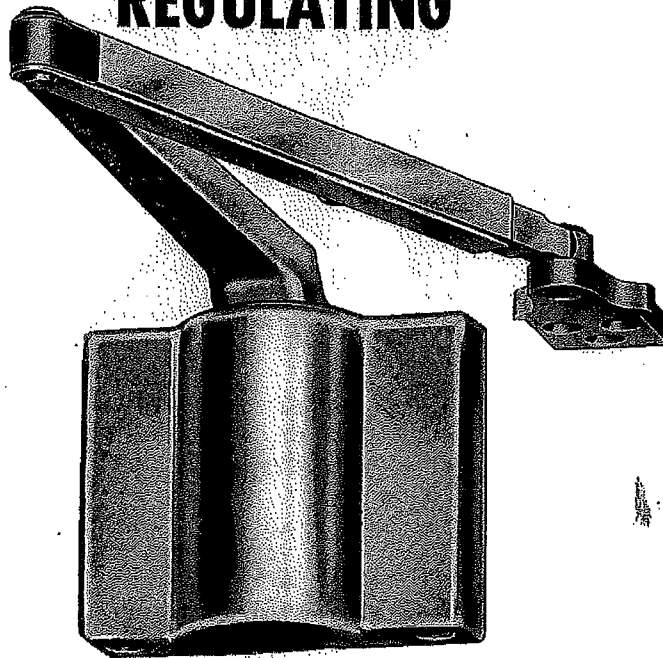


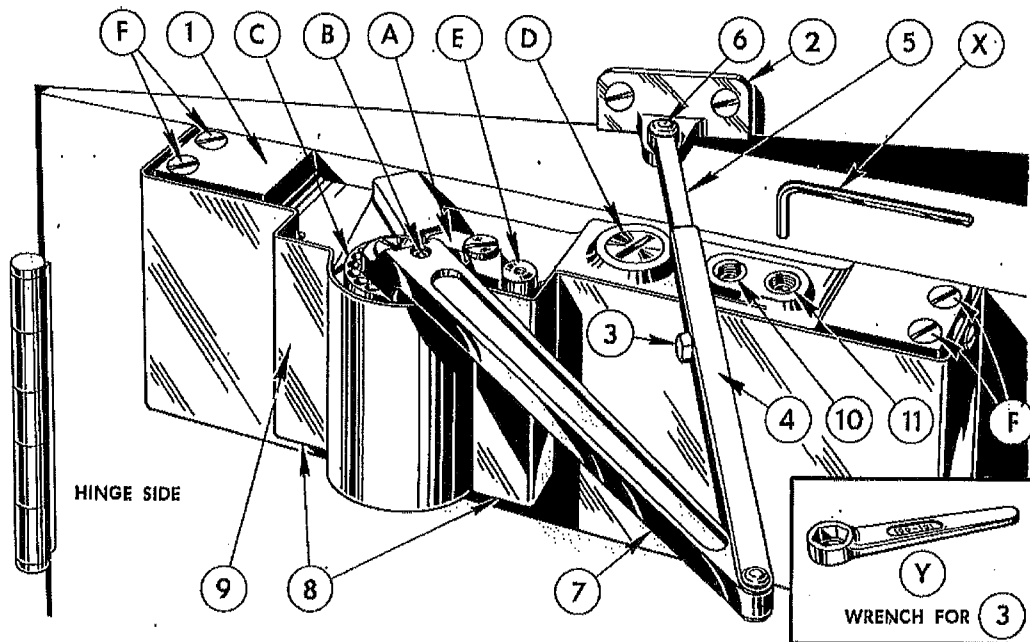
ADJUSTING AND REGULATING



"400" DOOR CLOSER

Everything that makes for the ultimate in door closer performance is built into the "400". It is precision machined throughout and requires a minimum of adjustment and should give you long, trouble-free performance. In addition, it is styled to meet today's exacting demands for modern appearance.

DIRECTIONS FOR ADJUSTING AND REGULATING



KEEP SLIDE LOCKING SCREW (3) IN CENTER OF SLOT FOR NORMAL ARM POSITION

A HOLD-OPEN PAWL	X ADJUSTING WRENCH FOR VALVE AND HOLD-OPEN ADJUSTMENT	4 TUBE
B HOLD-OPEN CAM LOCKING SCREW	Y WRENCH FOR SLIDE LOCKING SCREW (3)	5 SLIDE
C HOLD-OPEN CAM		6 BRACKET PIN
D FILLING PLUG		7 ARM
E HOLD-OPEN ECCENTRIC		8 COVER SCREWS
F ATTACHING SCREWS		9 COVER
		10 SPEED VALVE
		11 LATCH VALVE

DIRECTIONS FOR REGULATING SPEED OF DOOR

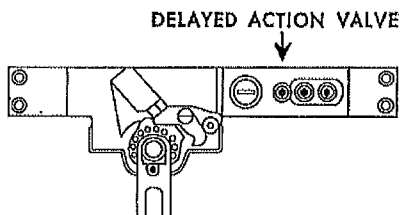
Open the door and try Closer.

If a faster speed is required, turn SPEED VALVE (10) with wrench (X) counter-clockwise.

If slower speed is required, turn SPEED VALVE (10) clockwise. This ad-

justment regulates closing speed to about 4 inches of door jamb.

If a faster latching speed is required, turn LATCH VALVE (11) counter-clockwise. If slower speed is required, turn LATCH VALVE (11) clockwise.



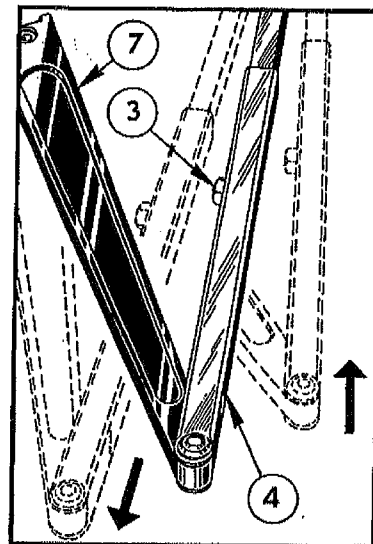
DELAYED ACTION "400"

DOOR CLOSERS have a third valve which is in back of the speed valve in a direct line with the present two valves. The delayed action valve operates from full opening until 70 degrees and then the regular valves take over. With "delayed action" feature the closer holds the door open for a period of time and then closes automatically. To increase holding time, turn valve clockwise — to decrease holding time, turn counter clockwise.

TO ADJUST ARMS

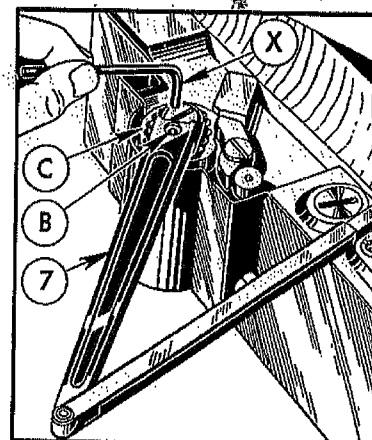
For normal closing set ARMS at a "V" using wrench (Y) on SLIDE locking screw (3). If after adjusting valves, it is desired to bring door against stop more quietly, loosen SLIDE LOCKING SCREW (3) and permit ARM (7) to swing back slightly toward the door HINGES. Retighten SLIDE LOCKING SCREW (3) securely. To bring door more forcibly against stop, loosen SLIDE LOCKING SCREW (3) and swing ARM (7) slightly toward the KNOB. Retighten SLIDE LOCKING SCREW (3) securely. Open speed valve (10) further if necessary.

Adjustment of speed valve (10) and the above ARM adjustments together with adjustment of latch valve (11) make possible any manner of closing.

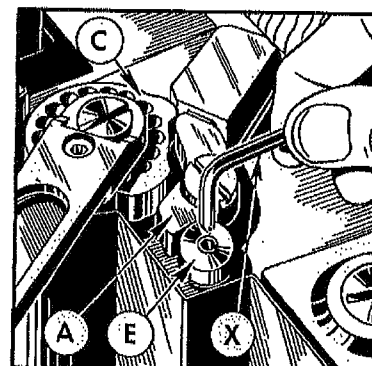


TO CHANGE HOLD-OPEN

To change the hold-open position, open the door to OLD HOLD-OPEN POINT, loosen HOLD-OPEN CAM LOCKING SCREW "B" with wrench (X) until it is FLUSH with the top of ARM (7), move door to new hold-open point and reset HOLD-OPEN CAM LOCKING SCREW "B", MAKING SURE THAT IT IS ALL THE WAY DOWN TO THE BOTTOM OF ONE OF THE HOLES IN HOLD-OPEN CAM "C", TIGHTEN DOWN HARD ON HOLD-OPEN CAM LOCKING SCREW "B". If hold back feature is not required open door to hold-open position, loosen HOLD-OPEN CAM LOCKING SCREW "B" until it is flush with the top of arm (7).

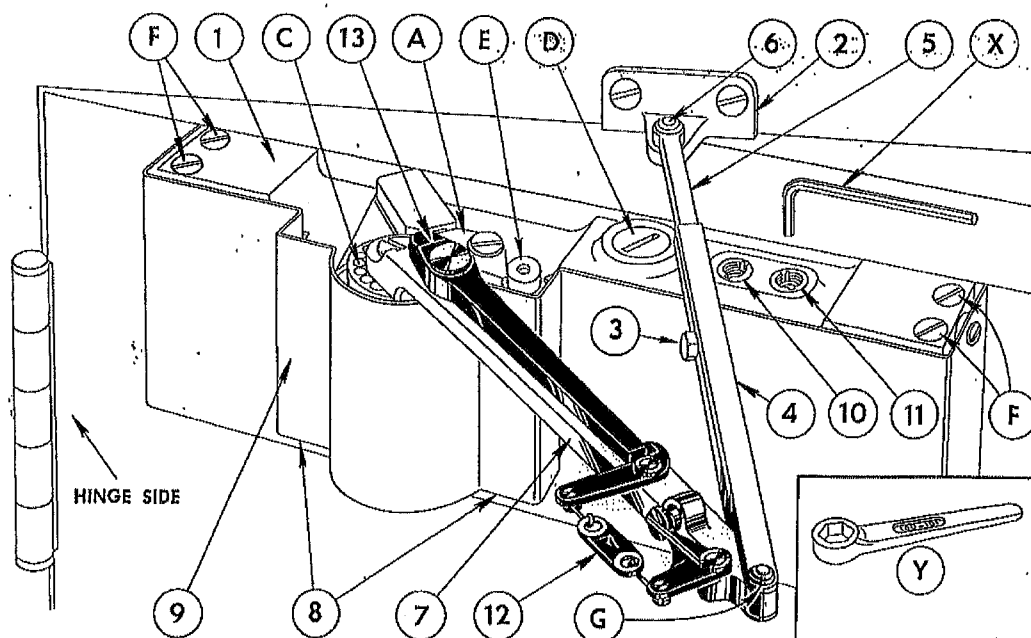


The HOLDING PRESSURE is governed by HOLD-OPEN ECCENTRIC "E". To increase or decrease turn HOLD-OPEN eccentric (E) with adjusting wrench (X) and try door until you reach proper pressure. ALWAYS SET HOLD-OPEN FOR MINIMUM HOLDING PRESSURE REQUIRED.



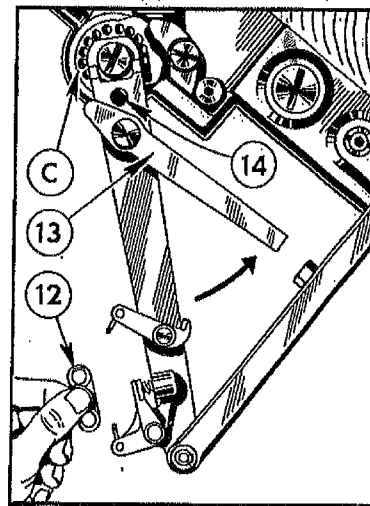


"400" DOOR CLOSERS



TO CHANGE FUSIBLE-LINK HOLD-OPEN

To change the hold-open position, open THE DOOR TO THE OLD HOLD-OPEN POINT, UNHOOK LINK (12) swing lever (13) to position shown at right in order to disengage holding pin (14). Move door to new hold-open point and reset LEVER (13), rehook LINK (12), MAKING SURE that Pin (14) is ALL THE WAY DOWN TO THE BOTTOM OF ONE OF THE HOLES IN CAM "C".



TO REMOVE CLOSER FROM DOOR

REMOVE SLIDE LOCKING SCREW (3). Open door to allow slide (5) to come out of tube (4). Loosen cover screws (8) on under side of cover (9). Then remove screws (F) and remove closer from door.

NOTE: A small amount of grease, preferably graphite grease, applied to all rubbing parts of the hold-open device once a year when the hold-open is in continuous use, will prolong its life and will insure smooth operation. This is especially true when the hold-open is set to function at some point up to 90°.

NOTE: Oil pivoting points G and 6 for smoother operation of closer.

CAUTION: If it becomes necessary for further adjustment not outlined above, please call your Russwin dealer.