



52"/54" External Damper Spring Brkt Retro Kit

Mega Flow Fans

⚠ WARNING

Disconnect all Electrical Power before installing the Spring Brkt Retro Kit

IMPORTANT!

Locate packing slip and make sure that all listed parts are enclosed. If not, call your Cumberland distributor immediately. Please read and understand all instructions in this manual before installing the Retro Kit.

TOOLS REQUIRED

Drill
1/4" Driver bit
Ratchet
7/16" Deep Well Socket
7/16" Wrench
Pliers or Small Screw Driver
Loctite [®] Threadlocker 242 [®] or Equivalent

PART NUMBERS

KIT RETRO DMPR CLSR BRKT 52/54 (6450-6970)		
Part Number	Quan.	Description
0404-11638	1	FAB RETRO DMPR DOOR CLSR BRKT
1004-2492	2	SCRW 8X1/2 TEK S/T hx Z
1001-4000	2	NUT 1/4-20 EYE COUPLING
1004-1401	2	SCRW Cap 1/4-20X1/2 hx2 Z
1024-0108	2	SPRING MF-ED MWire .438OD

INSTRUCTIONS

STEP 1

Locate the original Closer Spring Bracket and remove the hardware and springs. Disconnect the springs from the doors. Keep the lock nuts from the doors for use later. The other parts may be discarded.

Retro Closer Bracket

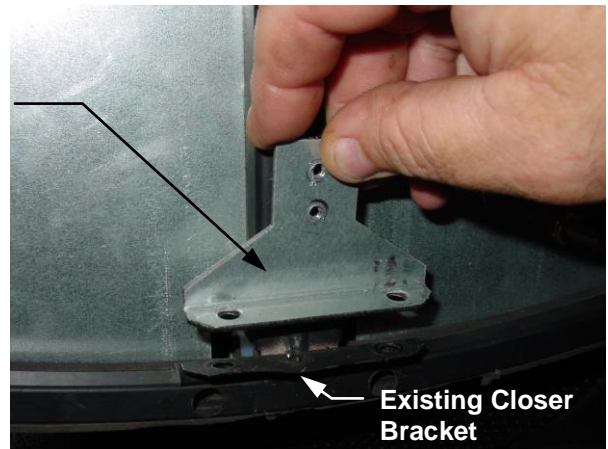


Figure 1 Position Retro Closer Bracket

STEP 2

Line up the Retro Closer Spring Bracket (0404-11638) with the 1/4" holes in the existing Spring Bracket. The back of 0404-11638 must be against the vertical cross bar and resting on top of original bracket (if present). See Figure 1.

STEP 3

Mount the two bolts (1004-1401) through the 1/4" holes in the two closer brackets from the bottom. Apply thread-locker to threads of 1/4" bolt. Screw one Eye Coupling Nut (1001-4000) on each bolt at this time. Use the Pliers or Small Screw Driver to hold the Eye Coupling Nut while tightening the screw with the 7/16" wrench. See Figure 2.



Screw Eye Coupling Nuts on 1/4" Screws

Figure 2 Install Eye Coupling Nuts

STEP 4

With 1/4" Driver Bit and Drill, drill the 8-32x1/2 Tek Screw (1004-2492) into the vertical cross bars through the holes in the tab of the Retro Closer Bracket. See Figure 3.

STEP 5

Install new springs (1024-0108) with one end on the 1/4" bolts on the doors. Hook the loops of the other end of the springs in the eyes of the Eye Coupling Nuts in the Closer Bracket. See Figure 4.

!!WARNING!!: Do not over tighten 1/4" locknuts on bolts where springs attach to doors. Spring loops must not be pinched between the two locknuts. Ample room must be provided to allow springs to move freely. Only 1-2 threads of bolts should be exposed when installing outer locknuts. Pinching of springs could cause them to bind and result in failure.



Figure 3 Drill Tek Screws

STEP 6

Installation complete. See Figure 5.



Figure 5 Completed Assembly

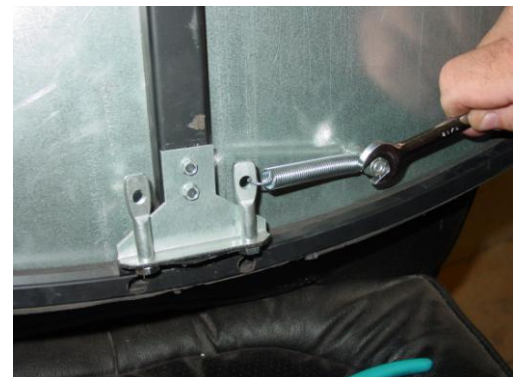


Figure 4 Install Springs