

CAUTION: DO NOT OVERTIGHTEN BELT.  
PREMATURE BEARING FAILURE COULD RESULT.

### AUTO BELT TIGHTENER KIT ASSEMBLY INSTRUCTIONS

- 1) BEFORE BEGINNING ASSEMBLY OF THE AUTO BELT TIGHTENER (ABT) KIT, VERIFY THAT ALL THE COMPONENTS ARE PRESENT. EACH ABT KIT SHOULD CONSIST OF A MOTOR PLATE, A MOTOR PLATE SUPPORT AND A BAG OF HARDWARE. A FAN BELT WILL BE SUPPLIED WITH THE NBF/ NCF36 ABT KIT. ALL HOLES FOR ASSEMBLY ARE PRE-PUNCHED AND ALL NECESSARY HARDWARE SUPPLIED.
- 2) IF THE NBF/NCF36 ABT KIT IS BEING USED, THE FAN BELT MUST BE CHANGED. USE THE BELT SUPPLIED IN THE ABT KIT.
- 3) ATTACH THE STANDARD MOTOR BRACKET AT THE BOTTOM OF THE FAN USING THE TWO LOWEST MOTOR BRACKET MOUNTING HOLES IN EACH UPRIGHT. MAKE SURE THAT THE STANDARD MOTOR BRACKET IS POSITIONED AS LOW AS IT CAN BE WITHOUT GOING LOWER THAN THE BOTTOM OF THE UPRIGHTS, AS SHOWN IN FIGURE 2. NEXT, MOUNT THE ABT MOTOR PLATE SUPPORT ON THE STANDARD MOTOR BRACKET USING THE 5/16" BOLTS, LOCKWASHERS, FLATWASHERS AND NUTS SUPPLIED. SEE FIGURE 1.
- 4) BOLT THE MOTOR TO THE ABT MOTOR PLATE USING THE 5/16" HARDWARE THAT WAS SUPPLIED WITH THE FAN. MAKE SURE THE MOTOR SHAFT IS FACING TOWARD THE FAN BLADE ASSEMBLY.
- 5) INSERT THE SWIVEL PIN THROUGH THE MOTOR PLATE SUPPORT AND THE ABT MOTOR PLATE. PLACE THE HAIR PIN COTTER PIN THRU THE HOLE IN THE SWIVEL PIN INSIDE THE ABT MOTOR PLATE SUPPORT AS SHOWN IN FIGURE 1.
- 6) PUT THE FAN BELT ON THE MOTOR PULLEY. NOW, PUT THE 7 INCH LONG 3/8" BOLT, WITH A 3/8" FLATWASHER, THROUGH THE HOLE IN THE STANDARD MOTOR BRACKET AND THE SLOT IN THE ABT MOTOR PLATE. THEN, PUT THE SPRING OVER THE 7 INCH LONG BOLT FOLLOWED BY THE 3/8" FLATWASHER AND 3/8" NYLON INSERT LOCKNUT. SEE FIGURE 1. IF THE 3/8" LOCKNUT CANNOT BE THREADED ONTO THE 3/8" BOLT BECAUSE THE SPRING IS TOO LONG, THEN THE STANDARD MOTOR BRACKET WILL HAVE TO BE MOVED UPWARD UNTIL IT CAN BE. DO NOT RAISE THE STANDARD MOTOR BRACKET SO FAR THAT THE SPRING END OF THE MOTOR PLATE HITS THE STANDARD MOTOR BRACKET. NOW, TIGHTEN THE 3/8" NYLON INSERT LOCKNUT SO THAT THE SPRING IS PARTIALLY COMPRESSED AND THE FAN BELT IS PROPERLY TENSIONED.
- 7) CHECK THE BLADE ASSEMBLY TO INSURE FREE ROTATION, AND THE MOTOR PULLEY ALIGNMENT WITH THE FAN PULLEY BEFORE CONNECTING POWER TO THE FAN.

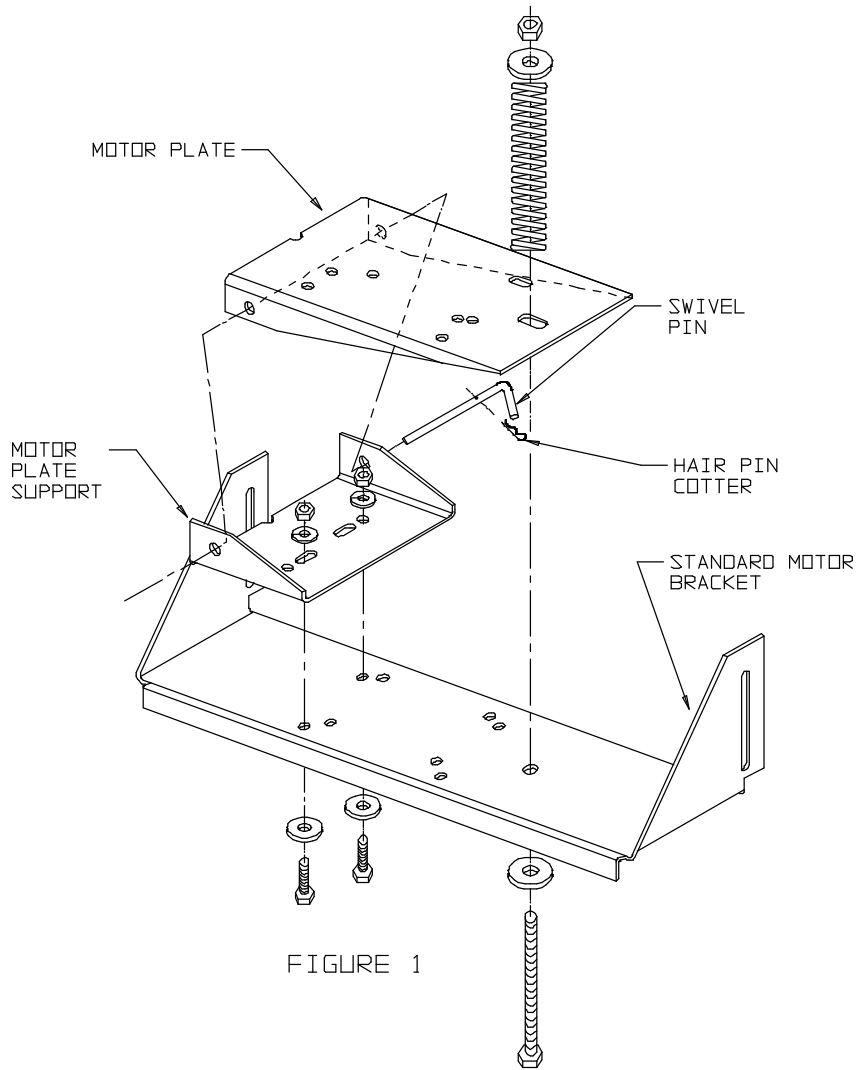


FIGURE 1

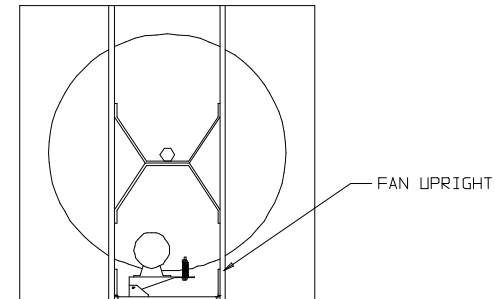


FIGURE 2

1	REVISED AND REDRAWN	DEG	6-24-08
NO.	REVISION	BY	DATE
MATERIAL		DO NOT SCALE THIS DRAWING	



DESCRIPTION AUTO BELT TIGHTENER  
KIT ASSEMBLY INSTRUCTIONS  
FOR FAN IN SQ. BOX WALL HSG

DR. DEG	CK.	APP'D.
SCALE NTS	DWG. NO. 401-168	
DATE 6-24-08	SHEET 1 OF 1	