

The Fan Sheave Rubbing Motor Plate Repair

Tools needed:

5/32" Allen wrench

Medium - Phillips screw driver

When fan sheave 504207, rubs the aluminum plate, creating a metal scraping sound or a screeching sound, follow this procedure only for a temporary fix. To permanently repair you must replace the fan sheave and spacer:

1. Put Mark V in vertical drill press position.
2. Remove the belt cover from headstock and slide up on way tubes, so it won't fall.
3. Turn motor shaft by hand until the long key, 504209, can be seen through the coiled spring, facing the bottom of the motor pan, 504212.
4. Take the standard 5/32" Allen wrench and move it in straight line from the key to the bottom of the motor pan.
5. See the small access hole in pan and insert the Allen wrench. You will find a cup point set screw, 513056 located in the back of the fan sheave.
6. Remove or just loosen the set screw.
7. Pull fan sheave away from the motor plate about 1/16" to 1/8" away. DO NOT pry as you will bend the plate.
8. Hold fan sheave in place and re-tighten the set screw.

NOTE: You may want to put Loc-tite on the screw, if not make this procedure a check point on your 10 hour maintenance program.