

## Ceramic Shell Replacement for Eddy Current Separator

**WARNING!! STRONG MAGNETS!! REMOVE ALL STEEL OBJECTS AND UNNECESSARY TOOLS FROM YOUR WORK AREA!!**

1. Remove the cowling from the eddy current separator.
2. Loosen the take-ups to loosen up the belt.
3. Remove belt.
4. Unbolt one pillow block bearing from frame.
5. Use **non**-metallic strap to lift and support pulley. Unbolt the other pillow block bearing from the frame.
6. You can set the pulley on some non-metallic (wooden) saw horses to work on the pulley.
7. Loosen pillow block bearing set screws and remove one pillow block bearing from shaft.
8. Loosen the set screws on the head bearing.
9. Peel rubber off **carefully**. You will need to re-apply later.
10. Remove the remaining screws from both ends of the shell.
11. Remove one head and bearing assembly. **Be careful, heads are plastic.**
12. Slide old shell off.
13. Check magnets for dirt, fuzz iron, etc. and clean off. Any miscellaneous metal left on the magnets will affect the performance of the eddy current.
14. **DO NOT** loosen or remove any bolts in the magnet assembly.
15. Put small bead of silicon on the pulley heads prior to sliding on the new shell.
16. Re-install heads.
17. Put the screws back into the heads.
18. Replace the rubber strip. Re-attach with super glue.
19. Put remaining screws back in.
20. Replace pulley in separator.
21. Tighten all set screws.
22. Re-install belt.
23. Tighten and track belt.