

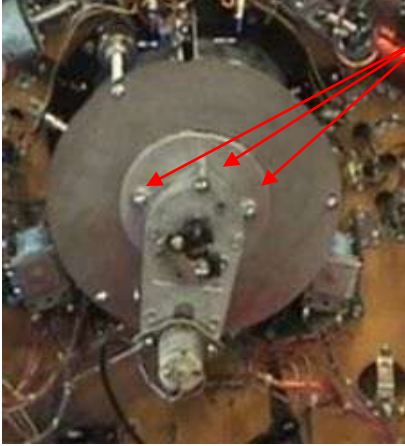
BLACK ROSE CANNON PROTECTOR INSTALLATION

Take many pictures as you disassemble to help re-assembly

Remove all pinballs and lift playfield

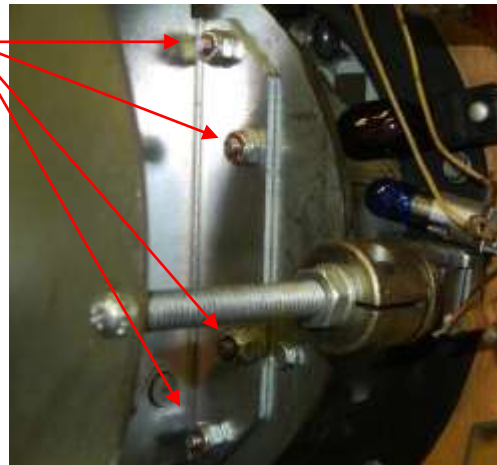
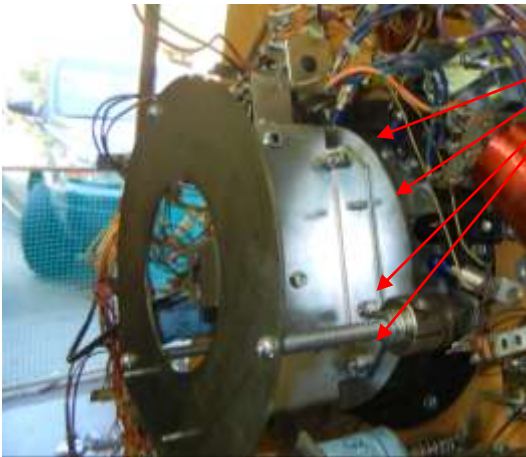
Remove the three screws securing the cannon rotor motor and gearbox to cannon assembly.

Unplug & remove motor & gearbox.



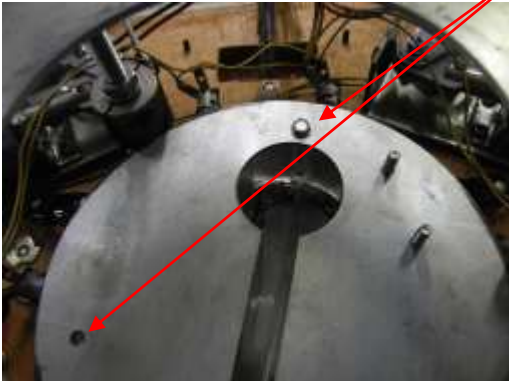
Remove 4 nyloc nuts securing the catapult to cannon assembly

Un-plug & remove catapult assembly



Remove 5 hex screws securing cannon plastic

Remove cannon plastic



Un-fasten lamp sockets and lay aside



Loosen (DO NOT REMOVE) cannon mounting ring
I had a screw covered by the below playfield ramp so I had to drop the ramp part way to access the screw.



You can now lower the playfield and do a dry fit with the protector.

DO NOT REMOVE THE BACKING

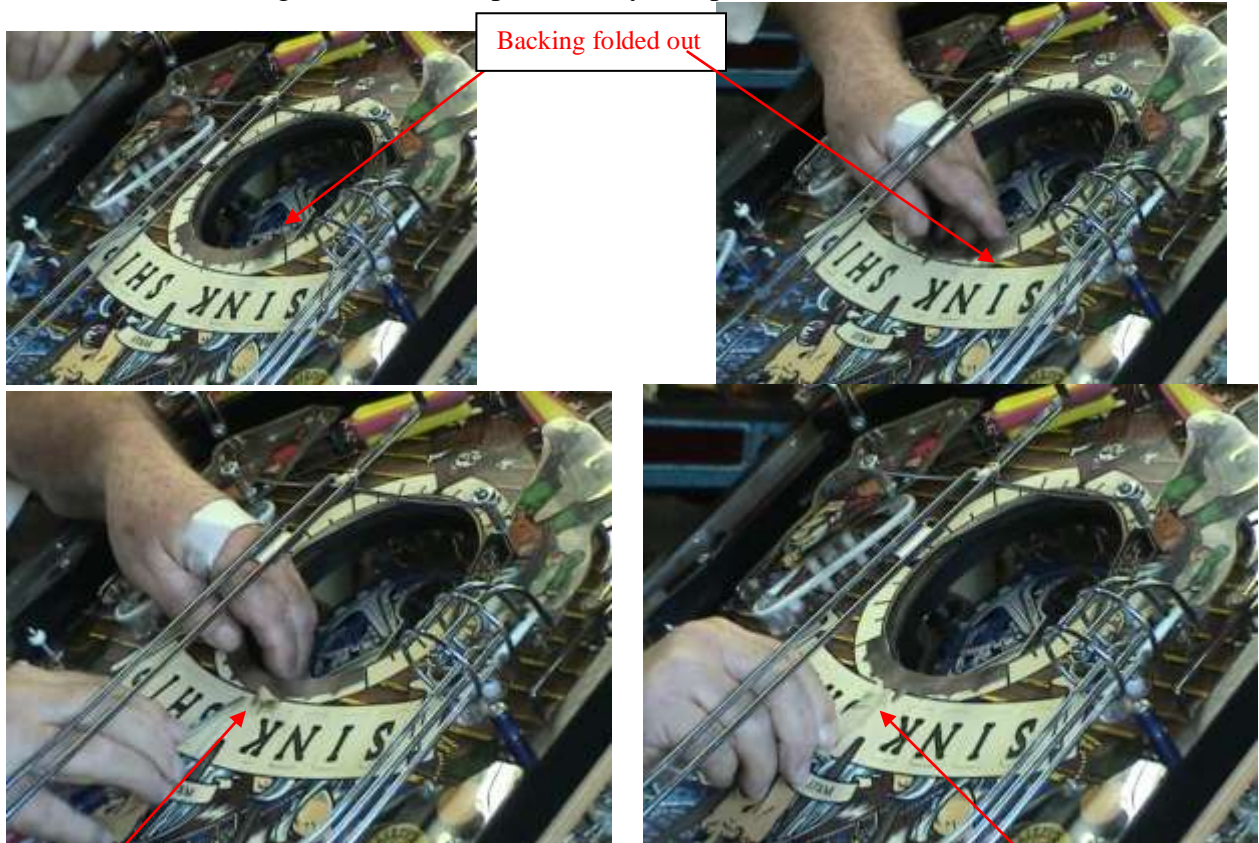
DO NOT REMOVE THE BACKING



If everything is looking good, then clean and de-wax the playfield in the area of the protector



With playfield de-waxed the protector can be installed, by peeling back a corner of the backing paper **DO NOT REMOVE BACKING PAPER** **DO NOT REMOVE BACKING PAPER** Hold the protector in position with the 3 tabs at playfield edge and peel the paper backing from under the protector, when peeled back a bit stick protector down lightly and continue peeling and lightly sticking down until all backing removed, then press firmly into place.



Backing folded out

Backing being peeled from protector between playfield and protector

Reassemble in reverse order of disassembly. (Note when reinstalling the cannon rotor motor and gearbox I used 2 headless screw to help hold/align the 3 plates in position and after installing the motor replaced them one at a time with the proper screws.

Check cannon level and relevel if needed.

Wax the playfield and play a game without fear of cannon wear!

Richard Urie aka Out-West

6/2012