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TO : Parts & Service Managers DATE : January 23, 2007

Symptom :

Erratic spinning or no movement at all on the Spinning Disk Assembly (upper left hand corner of the playfield).

Explanation :

Some oil impregnated bronze bearings (on motor) were not adequately lubricated prior to assembly.

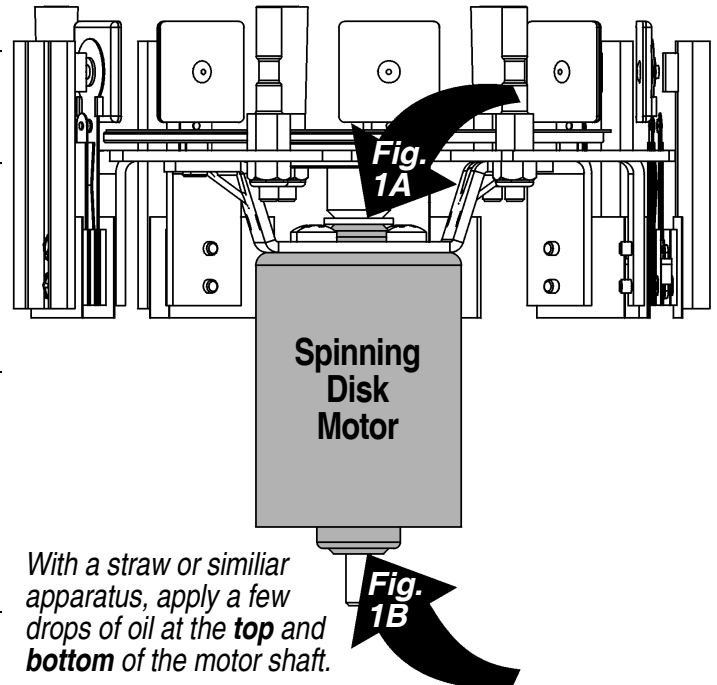
NOTE: NOT ALL GAMES ARE AFFECTED >> GAMES AFTER 12-27-06 HAVE ADDITIONAL LUBRICATION <<

Solution :

Add a few drops of light weight machine oil (e.g. 3-IN-ONE® Oil's with Telescoping Spout) to the bearings on both the top and bottom of the motor assembly (see Fig. 1A & 1B). More info on 3-IN-ONE @ <http://www.wd40.com/Brands/3in1.cfm>.

! CAUTION !: DO NOT USE A SOLVENT BASED LUBRICANT SUCH AS WD-40 SPRAY

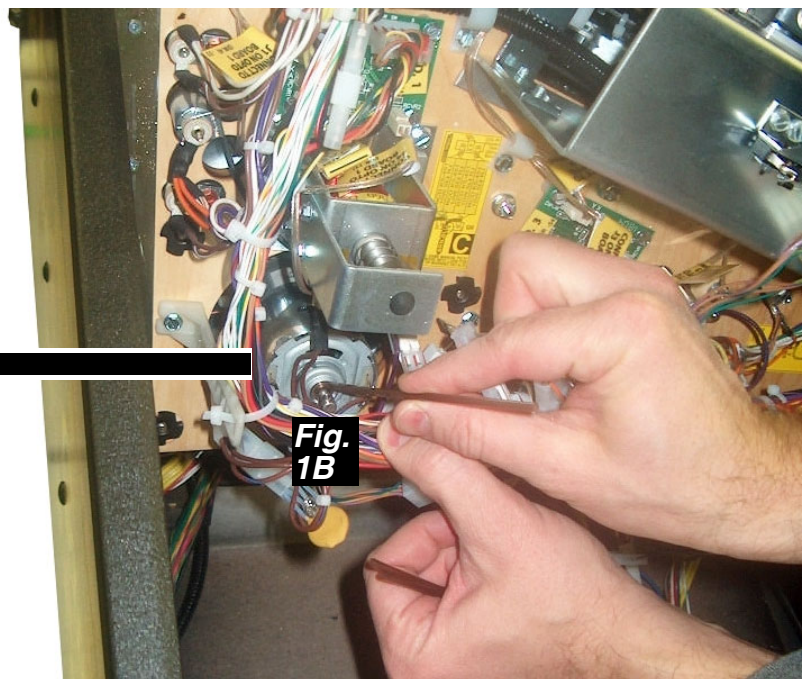
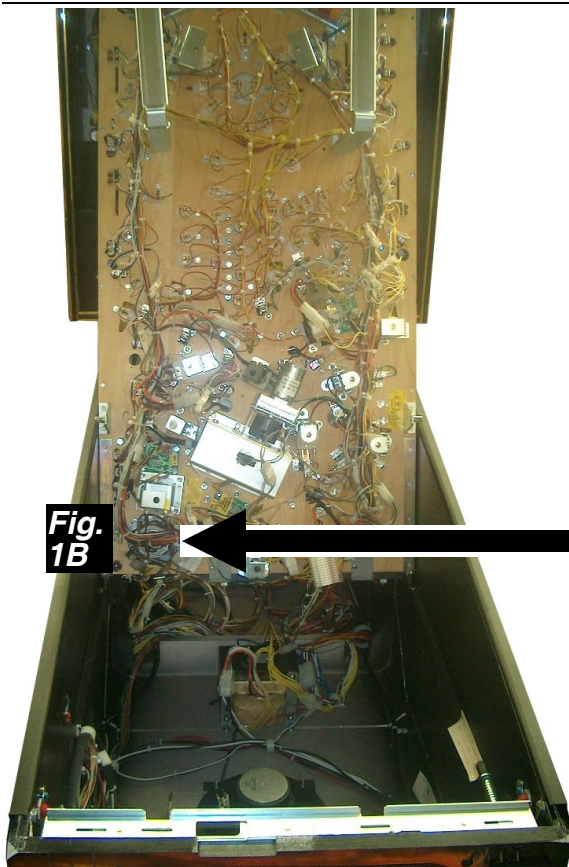
Procedure :



With a straw or similar apparatus, apply a few drops of oil at the top and bottom of the motor shaft.

Step 1

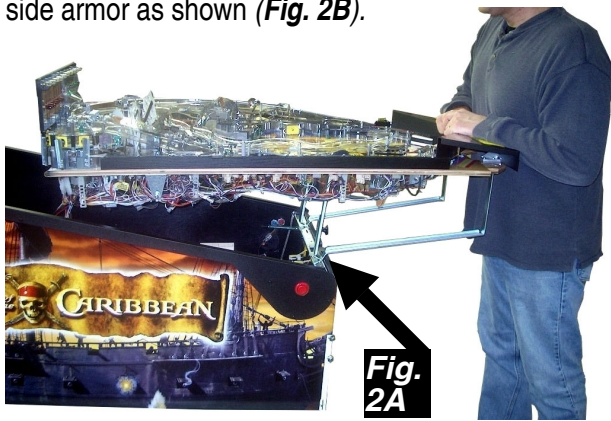
With the playfield in the up position (leaning against the backbox), you can access the bottom of the motor (Fig. 1B). ... continued next page.



Procedure Continued :

Step 2 2 people suggested with this step as a Safety Precaution and a piece of Cardboard or similiar is needed to protect the Side Armor.

Pull the playfield up and forward and rest with the *Playfield Support Slide Brackets* safely on the Lockdown Assembly (**Fig. 2A**). Slowly shift the back left edge of the playfield towards the left side of the cabinet so the back edge rests upon the side armor as shown (**Fig. 2B**).



Access the top of the motor shaft through the back-side of the back panel (**Fig. 2C**). Have the second person stand at the front of the game to hold the playfield in place while the oil is added to the top of the motor shaft above the white nylon washer.



With a straw or similiar apparatus, apply a few drops of oil at the **top** and **bottom** of the motor shaft above the white nylon washer.

Step 3

Test the Spinning Disk (Plunder Disk)
Enter **DIAGNOSTICS**, go to **COIL MENU, SINGLE COIL TEST**, and select #6, **PLUNER DISK MOTOR**.

With the *Power Interlock Switch* pulled out, press the **Start Button** to 'pulse' the motor. Hit it a few times in succession to slowly start spinning the disk. Repeatedly hit the **Start Button** quickly to bring the Spinning Disk up to speed. *Listen and watch* for a smooth spinning disk. If symptoms still occur repeat Steps 1 & 2. If the symptom still persists, call Technical Support for more information.

For Service Bulletins, Binary Code and other helpful information, visit our website www.sternpinball.com/techsupport.shtml and click the appropriate links.

Want Service Bulletins by eMail? Request by eMail: parts.service@sternpinball.com

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