



SERVICE ADVISORY

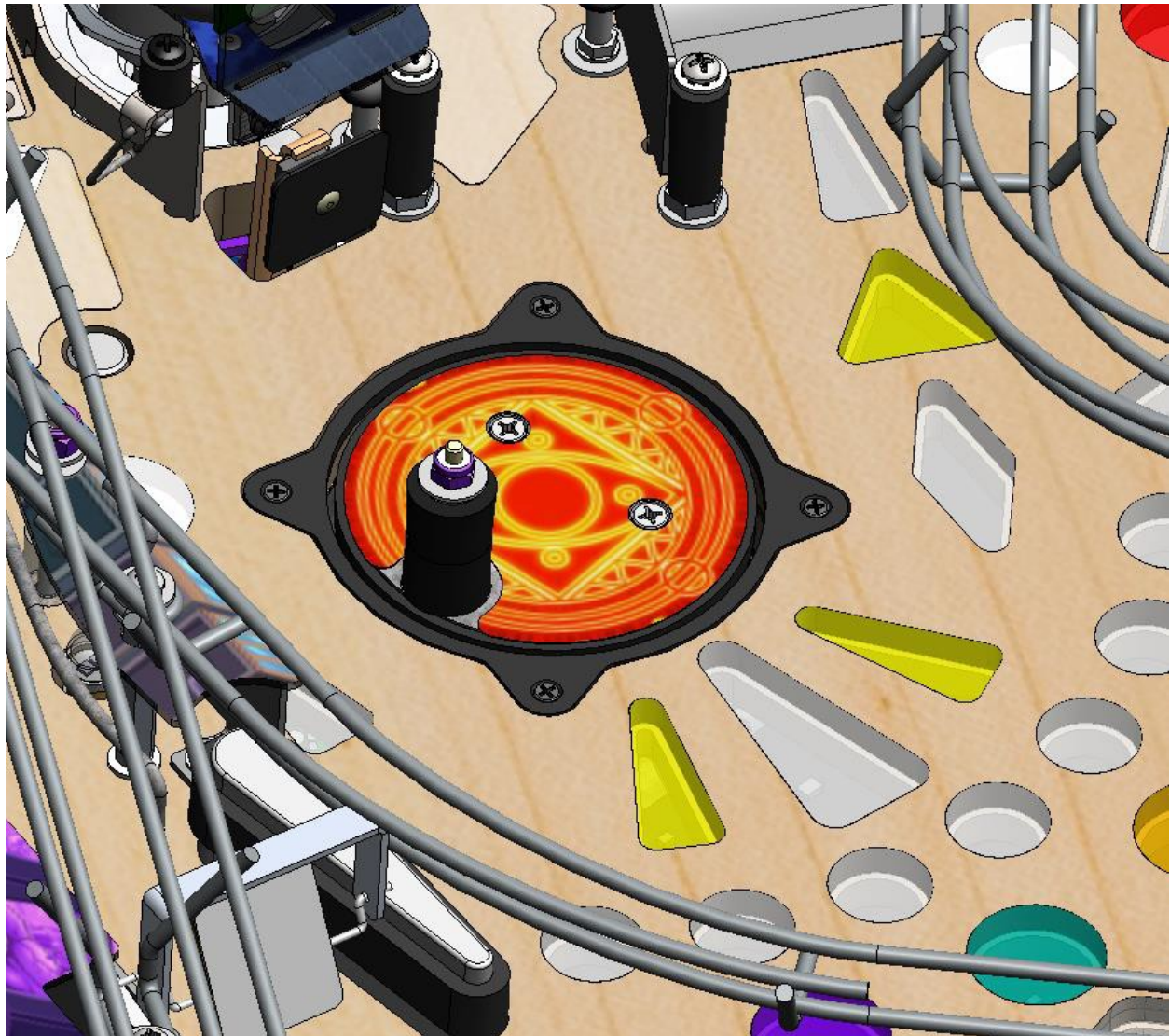
Avengers: Infinity Quest (All Models)

Spinning Disc Adjustment Points and Procedure

Pinball Preventative Maintenance Inspection and Adjustments

1. Leveling the Protection Ring to the Playfield

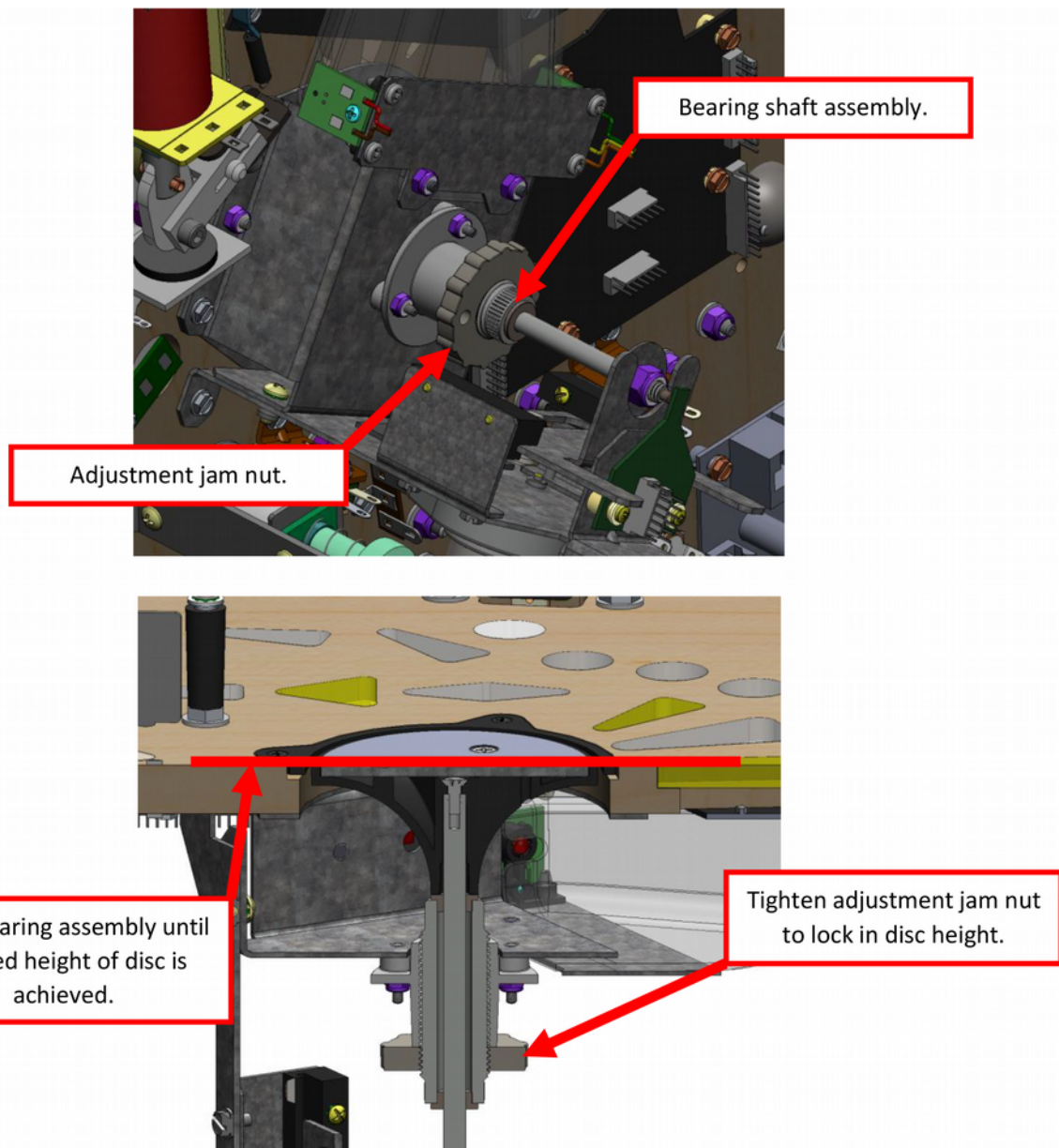
Using a #1 Phillips screwdriver, turn the four #4 screws at the indicated locations until the black protection ring is flush with the playfield wood routing. Tighten screws (clockwise) to lower ring. Loosen screws (counterclockwise) to raise ring.



2. Leveling the Spinning Disc to the Playfield

Raise playfield to service position. If adjusting a premium or limited-edition model, use Strange Disc Up/Down diagnostic test to move disc to 'down' position.

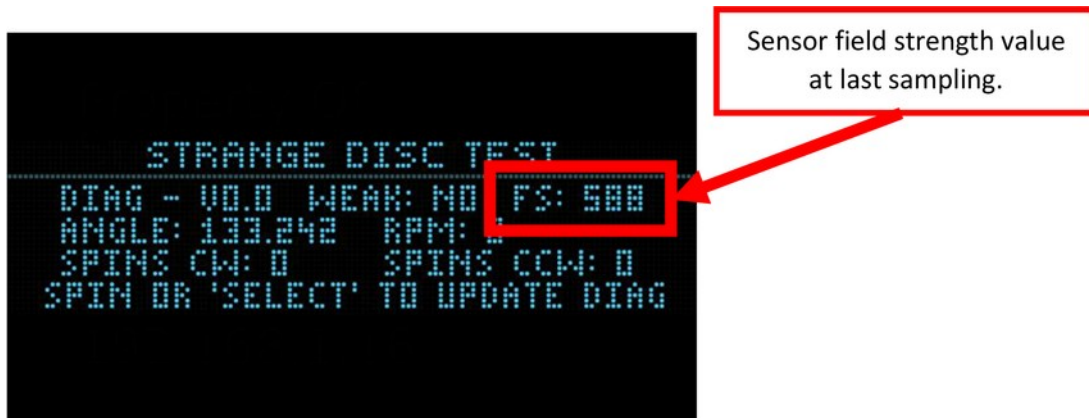
Loosen the adjustment jam nut. Turn the bearing shaft assembly to raise/lower the disc relative to the playfield. Retighten the jam nut once disc has been leveled.



3. Adjusting the Gap of the Magnetic Angle Sensor to the Disc Shaft

Start Strange Disc diagnostic test. Ensure playfield interlock switch is engaged. With disc in 'down' position, press "START" to sample disc field strength. For best results, spin the disc so that the post is at 12, 3, 6, and 9 o'clock positions while pressing "START" at each position to sample field strength.

The FS value should read greater than 300 at each of the four tested positions. If it is not, adjustment of the sensor gap is necessary.



To adjust sensor gap, loosen the circled 8-32 lock nut with an 11/32" nut driver. The sensor bracket can now be moved to change the gap between the magnetic tip of the shaft and the sensor board. The gap should be approximately 1/16", but it is best to confirm a good reading via resampling the sensor field strength using the Strange Disc diagnostic test.

Additionally, the sensor board can be moved left/right/forward/backward relative to the shaft by loosening the two 4-40 mounting screws securing the board to the adjustment bracket.

