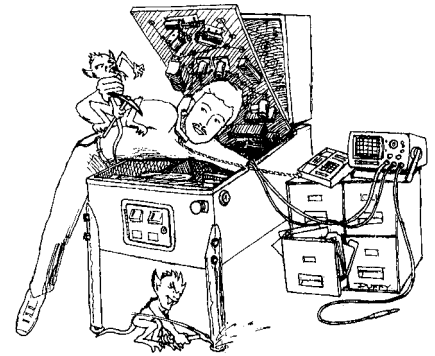




Nº 154 Service Bulletin



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TO: Parts & Service Managers

DATE: February 20, 2005

SUBJ: Lord of the Rings™ Post Upgrade Kit
(502-5034-00) *ONLY games prior to Feb. 2005*

THE LORD OF THE RINGS

Symptom

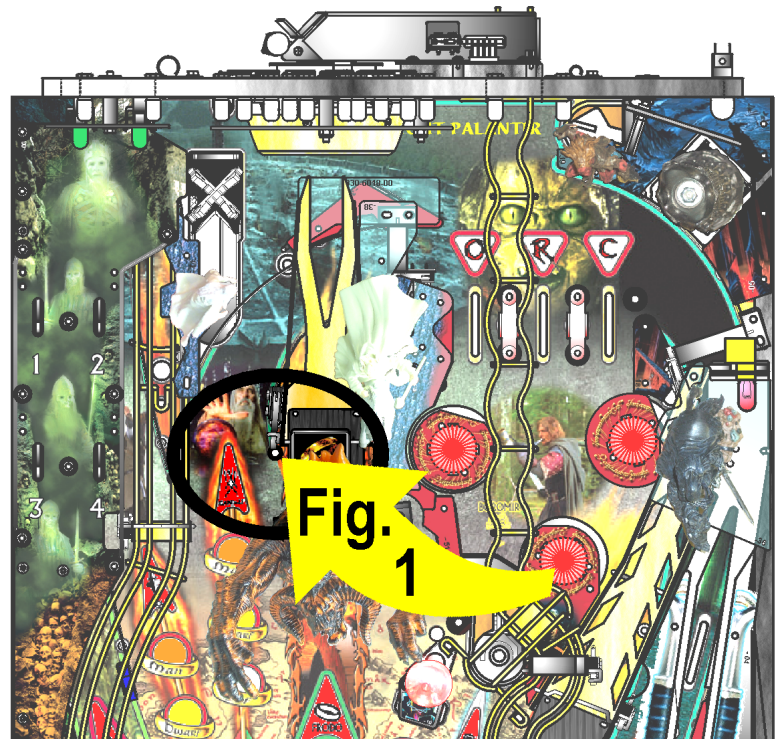
The **Post Rubber Sleeve** located at the Center Ramp Entrance (*left side*) is there to protect the Ramp Switch and side. This post may loosen, which allows the screw to bend with excessive pinball hits (*only when the Balrog Gate is opened*). The Center Ramp is the "forked" steel ramp behind the Balrog which lofts the pinball into the Ring Magnet mechanism. See **Fig. 1** for the area we are referencing.

Explanation

Due to the tight area of the location, the normal **Post Rubber Sleeve on a Hex Base Steel Post** could not be used. Instead, the Rubber Sleeve was secured with a #8-32 screw, in lieu of the steel post. *Production Games produced after February 2005 will have the new post in place.*

Solution

Order the **LOTR Post Upgrade Kit, 502-5034-00** through your distributor. Replace the existing Post Rubber Sleeve & screw with a new Post Rubber Sleeve with a metal spacer preinserted. **Kit Contents:** (A) #8-32 X 2-1/4" PPH Screw (237-6019-00), (B) #8 Washer (Qty. 3) (242-5005-00), (C) Rubber Sleeve & Metal Spacer Insert (515-7744-00 = 545-5308-00 + 535-9564-00), (D) #8-32 Nylon Stop Nut (240-5102-00) and a copy of *(this) Service Bulletin (154)*. **Tools Required:** Phillips Screw Driver & 11/32" Nut Driver.



Procedure

Step 1. Position the playfield up leaning against the backbox (*Service Position #2, reference Section 1, Chapter 1, Page 4 of your Service Game Manual*).

Step 2. Determine the **location** of the post, screw & nut you are removing above and below the playfield (*reference Fig. 1, above view and Fig. 2, below view*). By turning the phillips screw above, you'll be able to see the nut turning below the playfield.

Continued Next Page

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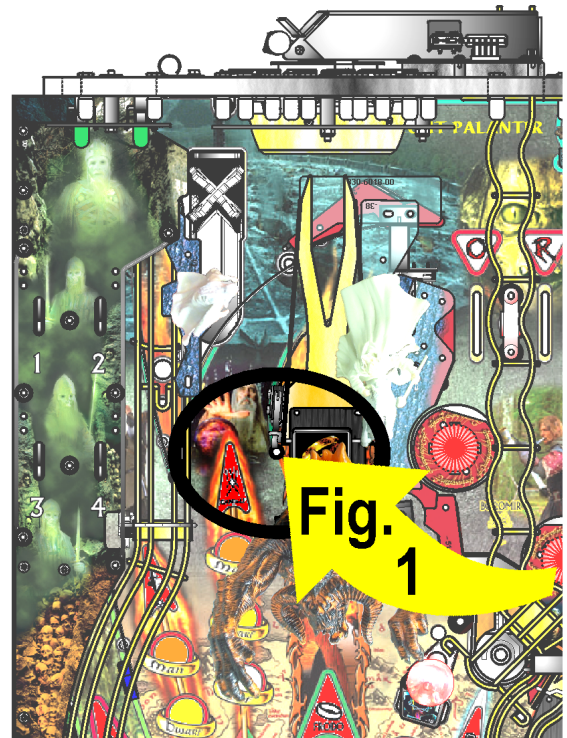
Procedure Continued

Step 3. Using an 11/32" Nut Driver, hold the #8-32 Nylon Stop Nut (**Fig. 2 & D**) secured while unscrewing the screw above the playfield (**Fig. 1 & A**). **Take Note:** The switch actuator on the ramp will slightly cover the phillip screw top. When removing the screw, let the screw-driver tip **gently move it slightly towards the ramp**. Also, take care as to not let the washers you are removing to drop in the playfield area.

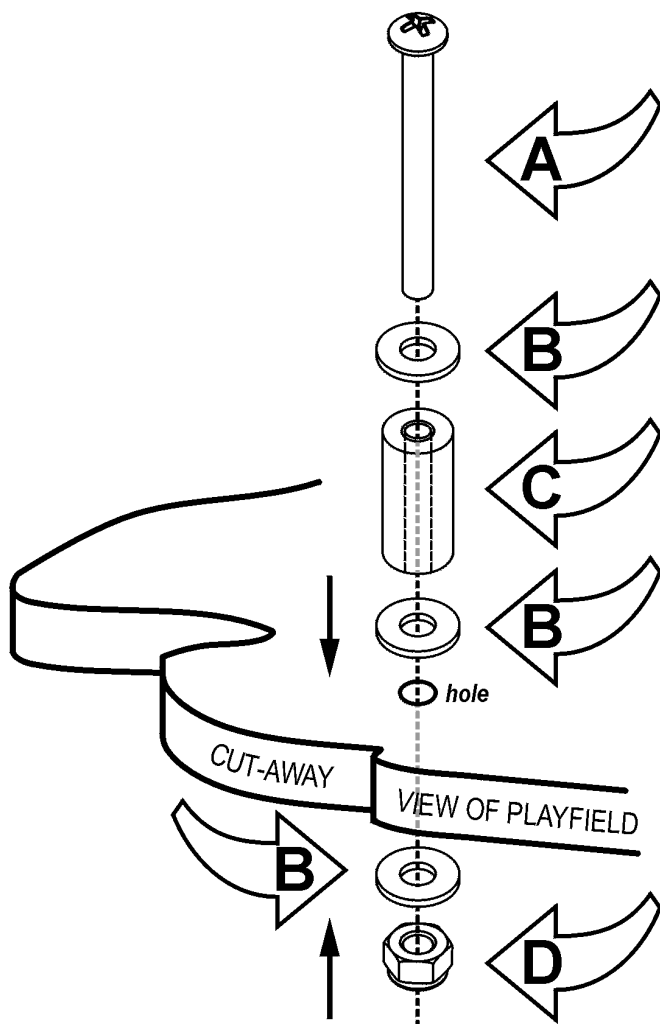
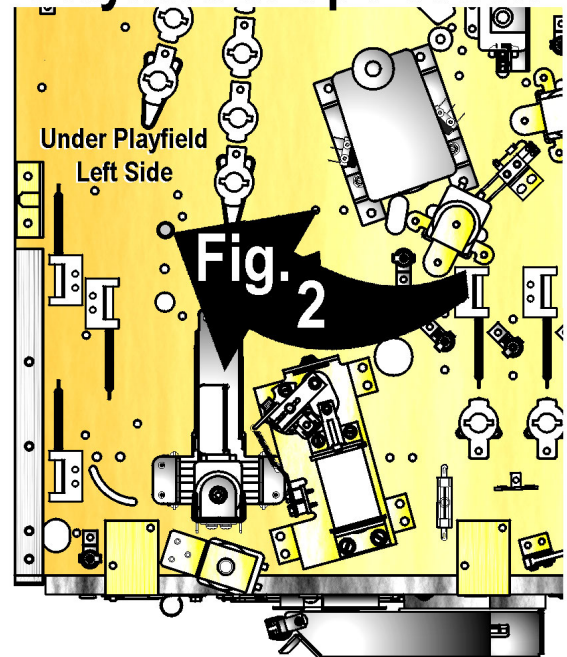
Step 4. After the old post, screw, 3 washers & stop nut are removed, discard.

Step 5. Preassemble the replacement Screw (**A**), 1 washer (**B**), the Rubber Sleeve with Insert (**C**) and another washer (**B**) as shown and put into place above the playfield in the same hole.

Step 6. Below the playfield, position a washer (**B**) and the Nylon Stop Nut (**D**) onto the end of the screw and hand start. **Tighten the screw while holding the Nylon Stop Nut (D) in place and again taking care as not to bend or break the switch actuator on the side of the ramp.**



Playfield in Up Position



Please phone or eMail with any questions or comments at the below numbers or address.