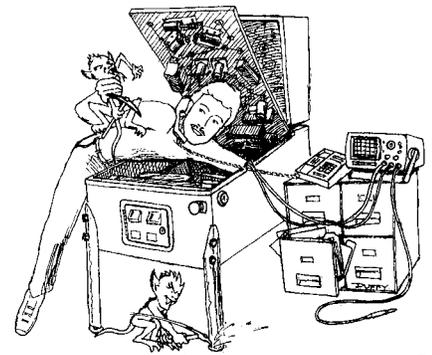




Nº 149 SERVICE BULLETIN



Joe Blackwell Director, Parts Sales & Technical Support	Patty Schraps Parts Sales Manager	Dorothy Brown Parts Sales Representative	Chas Siddiqi Technical Support Engineer	Patrick Powers Technical Support Engineer	J. Alfer Technical Support Doc. Administrator
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TO: Parts & Service Managers

DATE: May 18, 2004

SUBJ: Potential Ball Trap by the Upper Left Pop Bumper (ask your Distributor for SPI Kit Nr. 502-5025-81)



Symptom:

A Pinball gets trapped behind/under the **Upper Left Pop Bumper Cap** (next to Plastic Ramp). See Fig. 1 below.

Explanation:

Early production games had a Flat Rail, 535-9327-00 (Item 35, Page 64 of your Ripley's Service Game Manual) which did not extend out far enough to prevent a ball trap; if the extension measures approximately **3/8"**, **this fix is not required** (see Fig. C & D, next page). The next page depicts the old, modified and new rails so you can determine if your game requires this installation. **ONLY** Games with the extension measuring approximately **3/16"** would require this fix (see Fig. A, next page).

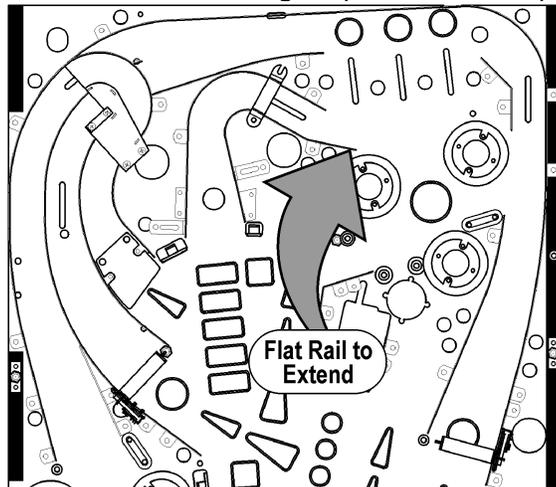


Figure 1



Early production games had a Flat Rail, 535-9327-00 (Item 35, Page 64 of your Ripley's Service Game Manual) which did not extend out far enough to prevent a ball trap; if the extension measures approximately **3/8"**, **this fix is not required** (see Fig. C & D, next page). The next page depicts the old, modified and new rails so you can determine if your game requires this installation. **ONLY** Games with the extension measuring approximately **3/16"** would require this fix (see Fig. A, next page).

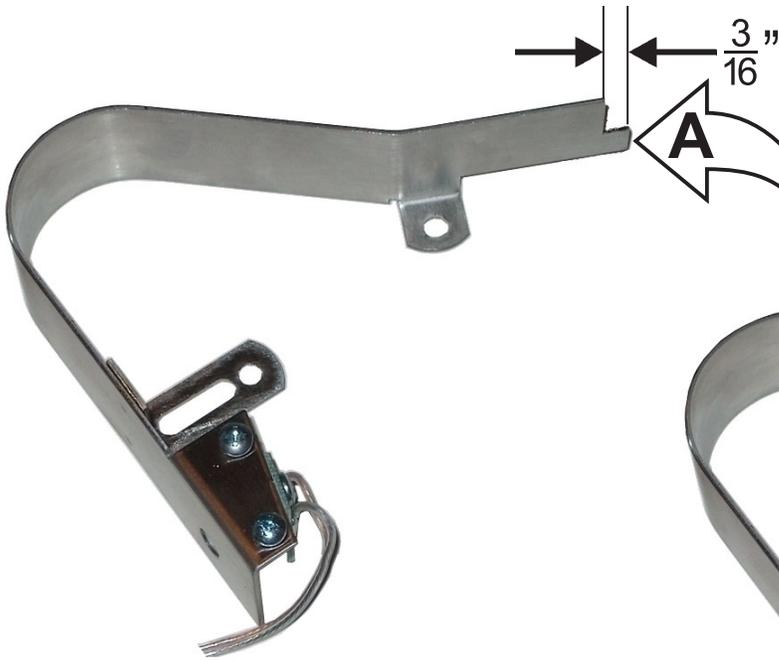
Solution:

Get the Flat Rail (Ball Guide) Extension Installation SPI Kit, 502-5025-81 and install the Flat Rail (Ball Guide) Extension, 535-9468-00 (see Fig. B, next page). This kit includes a detailed step-by-step procedure with photos, a copy of this Service Bulletin and the new Add-On Extension Flat Rail and Securing Hardware.

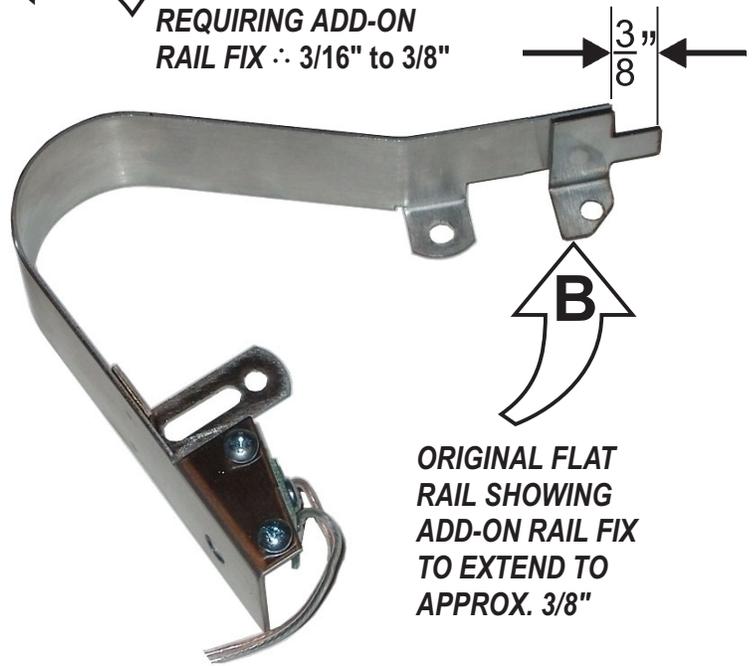
Continued on the next page.

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

• 2020 Janice Ave. • Melrose Park, IL 60160 • Tel 708-345-7700 (Option 1) • Toll-Free (USA/Canada) 1-800-542-5377 • Fax 708-345-7889 •

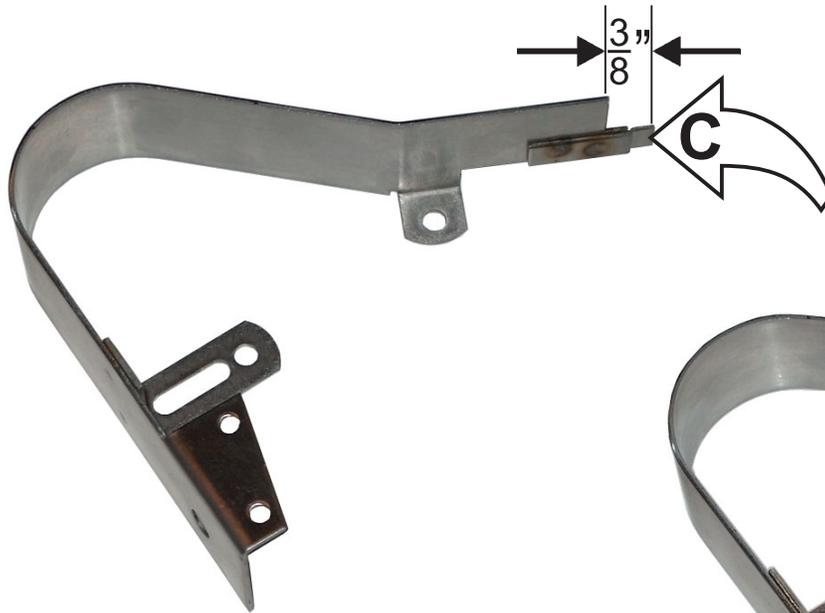


**ORIGINAL FLAT RAIL
REQUIRING ADD-ON
RAIL FIX ∴ 3/16" to 3/8"**

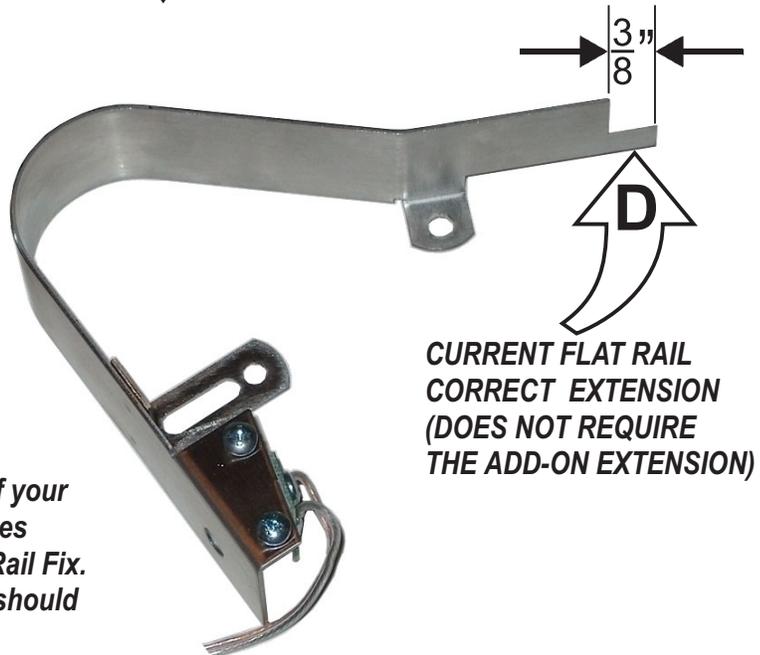


**ORIGINAL FLAT
RAIL SHOWING
ADD-ON RAIL FIX
TO EXTEND TO
APPROX. 3/8"**

▶ CORRECT FLAT RAILS DO NOT REQUIRE EXTENSION ◀



**FLAT RAIL WITH A
WELDED EXTENSION
(DOES NOT REQUIRE
THE ADD-ON EXTENSION)**



**CURRENT FLAT RAIL
CORRECT EXTENSION
(DOES NOT REQUIRE
THE ADD-ON EXTENSION)**

IF YOUR FLAT RAIL (535-9327-00, Item 35, Page 64 of your Game Manual) looks like either of the bottom examples (C or D), you do not require the Add-On Extension Rail Fix. Note the extended tab length (by Pop Bumper Ring) should be approximately 3/8" long.

**⚠ Ref. Service Bulletin Nr. 149
before proceeding!**



*If the extension measures approx. 3/8",
this fix is not required (see next page).*

Flat Rail (Ball Guide) Extension Installation

SPI Kit Nr.: 502-5025-81

Contents: This Installation Instruction Sheet (756-5025-81), Flat Rail (Ball Guide) Extension (535-9468-00) and #8 X 1/2" SLT HWH (234-5101-00)

Tools Required: 1/4" Nut Driver and Phillips Screw Driver

*Ripley's Top of Playfield Shown without
the Ramps or Pop Bumper Caps for clarity.*



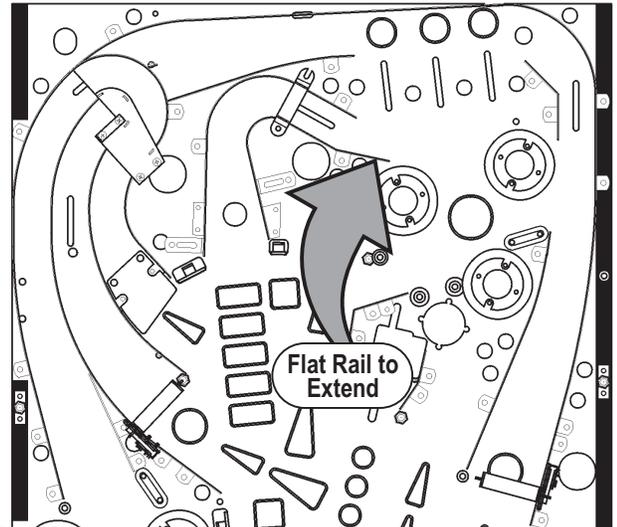
**REMOVE POWER
BEFORE SERVICING!**



Step 1. Remove the two (2) Black Phillip Flat Head Screws from the Left Ramp Assembly Entrance (see "1").

Step 2. Remove the two (2) Phillip Pan Head Screws from the Upper Left Pop Bumper Cap (Clear) (see "2").

SET ALL SECURING HARDWARE ASIDE FOR REASSEMBLY.

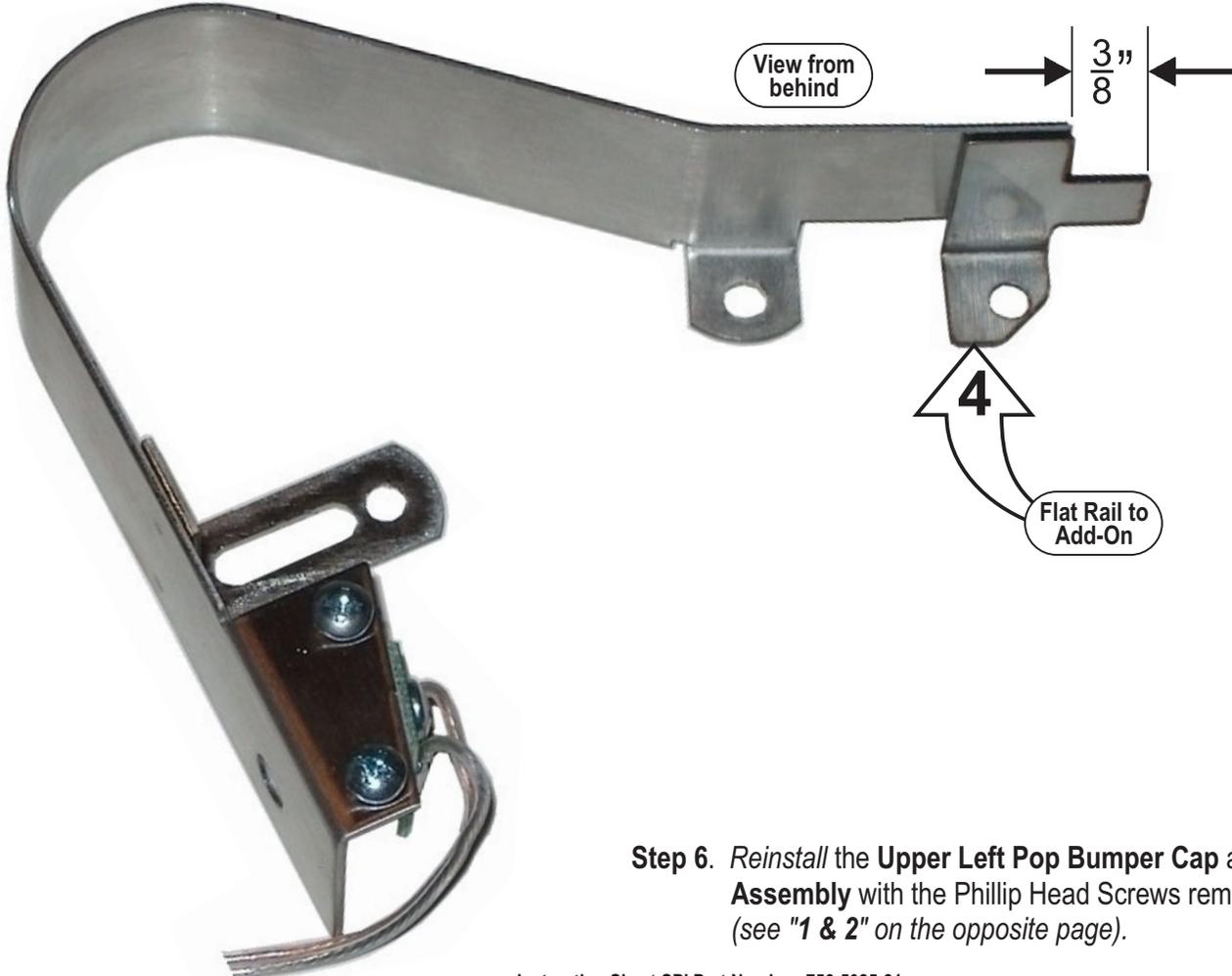




Step 3. Slightly move and hold the **Left Ramp** away from the existing **Flat Rail** which needs to be **extended** (see "3" above).

Step 4. Position the new **Flat Rail (Ball Guide) Extension** (535-9468-00) behind the **Flat Rail** (see "4" below).

Step 5. Fasten the new **Flat Rail Extension** to the playfield with the enclosed **#8 X 1/2" HWH Screw** (see "5" above).



Step 6. Reinstall the **Upper Left Pop Bumper Cap** and the **Left Ramp Assembly** with the Phillip Head Screws removed in Steps 1 & 2 (see "1 & 2" on the opposite page).