GOLD BALL FIELD SERVICE KIT

INSTRUCTION SHEETS

A) PURPOSE:

This kit offers the option of converting the "Goldball" feature from a random feature to a skill feature. Depending upon certain switch settings, the player can earn the "Goldball" by spelling "G-O-L-D-B-A-L-L" on the playfield; the "Goldball" is then awarded as an extra ball.

B) KIT COMPONENTS:

1) One EPROM #0371-00803-0007

2) Two screened plastics
   #0371-00917-00XF - 1 & #0371-00917-00XF - 2

3) Three instruction cards
   a) Replay settings - M-051-00371-A031
   b) Extra Ball settings - M-051-00371-A033
   c) Novelty settings - M-051-00371-A035

4) Instruction sheets, playfield drawing,
   (figure K-2) & M.P.U. drawing, (figure K-1)

5) Recommended score settings & score cards

   Replay: M-051-00371-A068
           M-051-00371-A069
           M-051-00371-A070
           M-051-00371-A071

   Extra Ball: M-051-00371-A076
               M-051-00371-A077
C) INSTRUCTION:

1) Turn game off.

2) Remove backglass & playfield glass.

3) Open back box (insert).

4) Remove original EPROM from socket U-2 on M.P.U. board (see drawing Figure K-1).

5) Install new EPROM #0371-00803-0007 from kit into socket U-2 on M.P.U. board (see drawing Figure K-1).

6) Set Fixed Data Switches on M.P.U. board (see drawing Figure K-1).
   14 - OFF
   15 - OFF
   16 - OFF

6a) OPTION: Set fixed Data Switch #24 to ON. (See NOTE below & Figure K-1).
    (3-Ball Play Only)

7) Close back box (insert) & replace backglass.

8) Unfasten & remove original screened plastic #M-1330-209-6 from lower left corner of playfield (see drawing Figure K-2).

9) Install & fasten new screened plastic #0371-00917-00XF-1 from kit in lower left corner of playfield (see drawing Figure K-2).

10) Unfasten & remove original screened plastic #M-1330-209-4 from upper right corner of playfield (see drawing Figure K-2).

11) Install & fasten new screened plastic #0371-00917-00XF-2 from kit in upper right corner of playfield (see drawing Figure K-2).

12) For 3-Ball play only - see figure K-2.
   
   A) Unfasten & remove right sling-shot plastic.
   B) Remove rubber.
   C) Relocate top post Upwards to next hole 3/16" (closing outlane opening by 3/16").
   D) Replace rubber.
   E) Replace & fasten right sling-shot plastic.

Note 6a): Fixed Data Switch #24

3-BALL: ON - Top Roll-Over Button, Gold Ball Special when flashing, comes on at the start of "Gold Ball" play, and every subsequent ball-in-play if not collected in the "Gold Ball".

5-BALL: OFF - Top Roll-Over Button, Gold Ball Special when flashing, comes on at the start of Gold Ball play.
13) Also, for 3-Ball play only - see figure K-2.

   A) Unfasten & remove middle right side plastic by roll-over button.
   B) Remove rubber.
   C) Relocate top post downwards to next hole 3/16” (opening the top of the lane by 3/16”).
   D) Replace rubber.
   E) Replace & fasten right middle plastic.

14) Remove original Instruction Card from bottom arch and replace with new Instruction Card
    from kit as follows:

    Replace M-051-00371-A030 with M-051-00371-A031(Replay).

    Replace M-051-00371-A032 with M-051-00371-A033(Extra Ball).

    Replace M-051-00371-A034 with M-051-00371-A035(Novelty).

15) Replace playfield glass & turn game on.

16) Set new Score Settings (see G).

D) OPERATION:

   The “Gold Ball” feature will now operate as follows:

1) Left return lane will spot one letter in “G-O-L-D-B-A-L-L”.

2) Upper right roll-over button will spot one letter in “G-O-L-D-B-A-L-L”. (Refer to Note #1).


4) The next ball will be an extra ball, played with the “Gold Ball”.

5) In this mode Gold Ball arrow SW #23 will be inoperative. Only 1 arrow will be flashing at a time.

6) 2 and 3 or 4 and 5 ball game set up:

    2 and 3 ball - multiplier special comes on with 3 X
    4 and 5 ball - multiplier special comes on with 100K.

NOTE #1: This change is effective regardless of SW #14, 15, 16 setting.

NOTE #2: The “Gold Ball” does not appear at random anymore; it must be earned.
E) SPECIAL NOTE
The game can operate as before (with the “Gold Ball” appearing at random & not earning the “Gold Ball” by lighting “G-O-L-D-B-A-L-L”) if Fixed Data Switches #14, #15 & #16 on the M.P.U. board are set on any Gold Ball Playing Percentages from 3% to 15%; only the 1% setting will change the “Gold Ball” feature to a skill earned feature, with the lit installed. It must be noted, however, if the feature is changed to a skill feature (14-15-16 = OFF), the new screened plastics & new instruction card and new score settings must be used: if the feature is to be used as a random feature (3% to 15%), the original screened plastic (lower left) and original instruction card and original score settings must be used.

F) Switch Settings for “Gold Ball” Playing Percentages with Kit Installed:

<table>
<thead>
<tr>
<th>SW 14</th>
<th>SW 15</th>
<th>SW 16</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>15%</td>
</tr>
<tr>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>13%</td>
</tr>
<tr>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>11%</td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>9%</td>
</tr>
<tr>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>5%</td>
</tr>
<tr>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>3%</td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>*Player earns “Gold Ball”</td>
</tr>
</tbody>
</table>

* The player earns the “Gold Ball” by spelling out “G-O-L-D-B-A-L-L” on the playfield the “Gold Ball” is then awarded as an extra ball. This switch setting requires installation of the new instruction card & the new screened butyrate from the kit; all other switch settings require the original instruction card & screened butyrate (lower left).

FIXED DATA SWITCH #24

3-BALL: ON - “GOLD BALL SPECIAL” Roll-Over Button (Top Right) lites for one skill shot at the start of each Gold Ball play and every subsequent ball until made.

5-BALL: OFF - “GOLD BALL SPECIAL” roll over button (top right) lites for one skill shot at the start of each Gold Ball play.
Q) RECOMMENDED SCORE SETTINGS

Replay Mode:

3-BALL 5-BALL
1,000,000 1,400,000
1,500,000 2,000,000
M-051-00371-a052 M-051-00371-A068
(from original (from Kit)
Game Packet)

H) KIT SCORE CARDS:

Replay

A) M-051-00371-A068 1,400,000 & 2,000,000
B) M-051-00371-A069 1,500,000 & 2,400,000
C) M-051-00371-A070 1,700,000 & 2,700,000
D) M-051-00371-A071 1,900,000 & 2,900,000

X-Ball

A) M-051-00371-A076 1,700,000 & 2,400,000
B) M-051-00371-A077 1,900,000 & 2,900,000
A082-91494-A000 MPU MODULE

INSTALLATION STEPS 4 & 5
REMOVE OLD EPROM FROM U - 2
INSTALL NEW EPROM INTO U - 2

INSTALLATION STEP 6
SET SW #14 - OFF
SW #15 - OFF
SW #16 - OFF

INSTALLATION
OPTION: 6a
SET SW#24 - ON
3-BALL PLAY ONLY

FIGURE K-1
INSTALLATION STEPS #10 & 11:
REMOVE ORIGINAL PLASTICS
REPLACE WITH NEW PLASTIC FROM KIT

INSTALLATION STEP #13
RELOCATE TOP POST
3-BALL PLAY ONLY

INSTALLATION STEP #12
RELOCATE TOP POST
3-BALL PLAY ONLY

INSTALLATION STEPS 8 & 9:
REMOVE ORIGINAL PLASTIC;
REPLACE WITH NEW PLASTIC FROM KIT

FIGURE K-2