



## Lower Right Flipper

p/n C-12898

| Item | Part No.      | Description                               | Item | Part No.      | Description                 |
|------|---------------|---|------|---------------|-----------------------------|
| 1    | HW-30018-6    | Wire, 18 AWG, Blue                        | 19   | 06-14G        | Insulating Blade            |
| 2    | 03-7520-2     | Ty-Wrap, Nylon                            | 20   | 4105-01001-20 | Sh. Metal Screw, #5 x 1-1/4 |
| 3    | 20-6516       | Speednut, Tinnerman                       | 21   | 4701-00002-00 | Lockwasher, #6 Split        |
| 4    | 5045-12098-00 | Capacitor, 2.2 $\mu$ Fd, 250V, 20%        | 22   | 23-6622       | Tape, Double-sided          |
| 5    | RM-21-06      | Sleeve, Vinyl (Cap. leads)                | 23   | 03-7811       | End of Stroke (EOS) Switch  |
| 6    | 4010-01066-06 | Cap Screw, 10-32 x 3/8, SH                | 24   | HW-30018-64   | Wire, 18 AWG, Blue/Yellow   |
| 7    | 4701-00004-00 | Lockwasher, #10 Split                     | 25   | 01-3670       | Switch Plate-Curve          |
| 8    | A-12111       | Flipper Stop Assembly                     | 26   | SW-1A-183     | Flipper Switch              |
| 9    | FL-11630      | Flipper Coil (Red), (* - Refer to Note 3) |      |               |                             |
| 10   | 4006-01017-06 | Mach. Screw, 6-32 x 3/8, P-RH-S           |      |               |                             |
| 11   | 01-7695       | Solenoid Bracket                          |      |               |                             |
| 12   | 10-376        | Coil Plunger Spring                       |      |               |                             |
| 13   | B-10655-R     | Crank Link Assembly, Right                |      |               |                             |
| a)   | 02-4179       | Link Spacer Bushing                       |      |               |                             |
| b)   | 4010-01086-14 | Cap Screw, 10-32 x 7/8, SH                |      |               |                             |
| c)   | 4700-00023-00 | Washer, 5/8 o.d.x13/64 i. d.x16ga.        |      |               |                             |
| d)   | 4701-00004-00 | Lockwasher, #10 Split                     |      |               |                             |
| e)   | 4410-01132-00 | Nut, 10-32 ESNA                           |      |               |                             |
| f)   | A-10656       | Flipper Link Assembly                     |      |               |                             |
| 1.)  | 02-4219       | Coil Plunger                              |      |               |                             |
| 2.)  | 20-9370-1     | Spring Pin, 5/32 dia. x 7/16              |      |               |                             |
| 3.)  | 03-8050-1     | Flipper Link                              |      |               |                             |
| g)   | B-10657-R     | Flipper Crank Assembly, Right             |      |               |                             |
| 1.)  | 01-8073-R     | Flipper Crank, Right                      |      |               |                             |
| 2.)  | 17-1037       | Crank Washer                              |      |               |                             |
| 3.)  | 4010-01066-18 | Cap Screw, 10-32 x 1-1/8, HCS             |      |               |                             |
| 4.)  | 4410-01127-00 | Nut, 10-32 Hex Hd.                        |      |               |                             |
| 5.)  | 4700-00107-00 | Washer, 5/8 o.d.x13/64 i. d.x12ga.        |      |               |                             |
| 6.)  | 4701-00004-00 | Lockwasher, #10 Split                     |      |               |                             |
| 7.)  | RM-23-06      | Tubing, H. S. 1/4 DWP                     |      |               |                             |
| 14   | 23-6577       | Bumper Plug                               |      |               |                             |
| 15   | 03-7568       | Flipper Bushing                           |      |               |                             |
| 16   | 4006-01005-06 | Mach. Screw, 6-32 x 3/8, P-PH             |      |               |                             |
| 17   | 4406-01117-00 | Nut, 6-32 Hex                             |      |               |                             |
| 18   | C-11627-R     | Flipper Base Assembly, R.                 |      |               |                             |

### Flipper Assembly Notes:

- 1 Each Flipper Assembly on the Lower Playfield (and the two Lower Flipper Assemblies on the Upper Playfield) is mounted beneath the playfield, in conjunction with the plastic Flipper Paddle and Shaft (20-9250-5) and flipper Rubber (23-6519-4) on the upper side of the playfield. The Upper Flipper Assembly on the Upper Playfield uses a plastic Flipper Paddle and Shaft (C-11927-5) and flipper Rubber (23-6553-4).
- 2 The tip of the EOS Switch must travel 0.0150 (+ .010, - .000) inch, before the contacts fully open, with the flipper in the actuated position. The EOS Switch contacts **must** have a gap of 0.062 ( $\pm$  .015) inch. Adjustment of the EOS Switch must be made at a minimum distance of 0.25 inch from the switch body.
- 3 Not Used.
- 4 All moving elements of the assembly must operate freely, with no evidence of binding.
- 5 The large end of the Coil Plunger Spring (item 12) must fit within the four lugs of the Solenoid Bracket.
- 6 For coil replacement, remove the Solenoid Bracket (item 11) to prevent screw damage.
- 7 Use Loctite™ 242 when reattaching screws to the Flipper Stop Assembly, the Solenoid Bracket, and the Flipper Bushing.
- 8 When replacing the Bumper Plug (item 14) to restore proper flipper operation, readjust the flipper paddle and shaft position.
- 9 Solid color blue wire connects to the banded end of each diode, mounted on the connector end of the Flipper Coil (item 9). Trace color wire connects to the unbanded end of the diode.