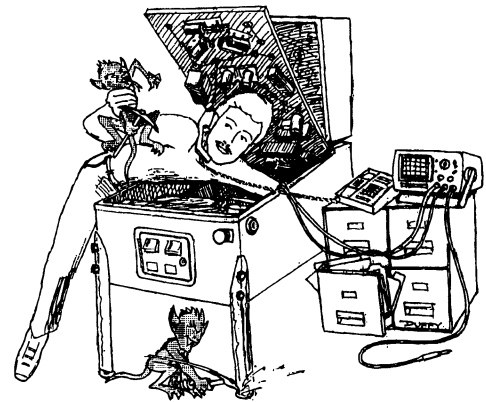


Service Bulletin N° 62



Data East Pinball, Inc.
 1990 Janice Avenue
 Melrose Park, IL 60160
 © 1-800-KICKERS or © 708-345-7700
 Fax: 708-345-7889



Technical Support

| | | | |
|--|--|---------------------------------------|--|
| Joe Blackwell Director, Technical Support | Eric Winston Technical Support Engineer | Jay Alfer Tech. Doc. Administrator | Steve Novak Technical Support Manager |
|--|--|---------------------------------------|--|

TO: Parts & Service Managers

DATE: August 22, 1994

RE: Data East Coil Designation with Part Numbers (General & By Game)

The below table represents our standard coils with part numbers. The coil sleeve (diode position) may vary depending on usage in the game. Please, always refer to the Game Manual for the specific part number for correct replacement. The below table is designed to identify coils where the part number or coil number is not printed on the coil wrapping.

| Data East Part N° | GA-Turns | Data East Part N° | GA-Turns | Data East Part N° | GA-Turns | Data East Part N° | GA-Turns |
|-------------------|----------|-------------------|----------|-------------------|----------|-------------------|----------|
| 090-5000-00 | 22-700 | 090-5011-00 | 22-750 | 090-5020-00 | Not Used | 090-5030-00 | 23-1100 |
| 090-5001-00 | 23-800 | 090-5012-00 | 26-800 | 090-5020-01 | 21-900 | 090-5032-00 | 22-1080 |
| 090-5001-01 | 23-800 | 090-5013-00 | 23-700 | 090-5020-02 | 22-900 | 090-5034-00 | 25-1240 |
| 090-5002-00 | 24-900 | 090-5014-00 | 23-600 | 090-5020-10 | 21-900 | 090-5036-00 | 24-940 |
| 090-5003-00 | 27-1300 | 090-5015-00 | 27-1400 | 090-5020-20 | 22-900 | 090-5036-01 | 24-940 |
| 090-5004-00 | 27-1500 | 090-5016-00 | 29-2000 | 090-5020-30 | 23-900 | 090-5037-03 | 23½-765 |
| 090-5005-00 | 23-840 | 090-5017-00 | 22-500 | 090-5021-00 | 20-400 | | |
| 090-5006-00 | 23-800 | 090-5018-00 | 23-800 | 090-5022-00 | 23-700 | 090-5041-00 | 25-1800 |
| 090-5008-00 | 23-1200 | 090-5019-00 | 23-750 | 090-5023-00 | 22-600 | 090-5046-00 | 28-1050 |

On the next page are the flipper coils by game (from our 1st to our present). Note that in most cases both lower flippers would be the same.

Flipper Coil Table

| Game Name (with Mfg. Date) | Flipper Coil Lower Right Part N ^o | Flipper Coil Lower Right GA-Turns | Flipper Coil Lower Left Part N ^o | Flipper Coil Lower Left GA-Turns | Flipper Coil Upper Part N ^o | Flipper Coil Upper GA-Turns |
|--|--|---|---|--|--|-----------------------------------|
| Laser Wars <i>May 87</i> | 090-5011-00 | 22-750/ 30-2600 | Same As Lower Right | Same As Lower Right | 090-5006-00 | 23-620/ 30-2600 |
| Secret Service <i>Mar 88</i> | 090-5006-00 | 23-620/ 30-2600 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Torpedo Alley <i>Aug 88</i> | 090-5013-00 | 23-700/ 30-2600 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Time Machine <i>Dec 88</i> | 090-5011-00 | 22-750/ 30-2600 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Playboy 35th Anniversay† <i>May 89</i> | 090-5020-02 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| ABC Monday Night Football† <i>Sep 89</i> | 090-5020-02 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Robocop <i>Nov 89</i> | 090-5020-20 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Phantom of the Opera <i>Jan 90</i> | 090-5020-20 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Back to the Future <i>Jun 90</i> | 090-5020-20 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| The Simpsons <i>Sep 90</i> | 090-5020-20 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Checkpoint <i>Feb 91</i> | 090-5020-20 | 22-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Teenage Mutant Ninja Turtles <i>May 91</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Batman <i>Jul 91</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Star Trek <i>Oct 91</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Hook <i>Jan 92</i> | 090-5020-30 | 23-900 | 090-5030-00 | 23-1100 | Not Used | Not Used |
| Lethal Weapon 3 <i>Jun 92</i> | 090-5030-00 | 23-1100 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Star Wars <i>Oct 92</i> | 090-5032-00 | 22-1080 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Rocky & Bullwinkle & Friends <i>Feb 93</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Jurassic Park <i>Apr 93</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | 090-5030-00 | 23-1100 |
| Last Action Hero <i>Aug 93</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | Not Used | Not Used |
| Tales from the Crypt <i>Nov 93</i> | 090-5032-00 | 22-1080 | Same As Lower Right | Same As Lower Right | 090-5041-00 | 25-1800 |
| The Who's Tommy <i>Feb 94</i> | 090-5020-30 | 23-900 | Same As Lower Right | Same As Lower Right | 090-5041-00 | 25-1800 |
| WWF Royal Rumble <i>May 94</i> | 090-5032-00 | 22-1080 | Same As Lower Right | Same As Lower Right | 090-5041-00 | 25-1800 |
| Guns N' Roses <i>Jul 94</i> | 090-5032-00 | 22-1080 | Same As Lower Right | Same As Lower Right | 090-5030-00 | 23-1100 |
| Maverick <i>Sep 94</i> | 090-5032-00 | 22-1080 | Same As Lower Right | Same As Lower Right | 090-5032-00 | 22-1080 |

† A very small % of these games used a 090-5020-20 coil which used a proto-type Solid State Flipper System. The two types of coils both are 22-900 coils; the only difference being the addition of the 1N5404 Diode on the (-02) coils which was used in the Deger Design.