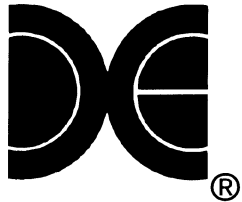
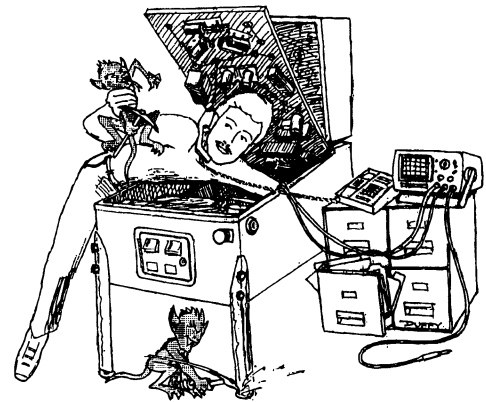


Service Bulletin N° 62



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Technical Support

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