



Customer Service Bulletin Commercial Business Group

General Product Information

May 9, 2006

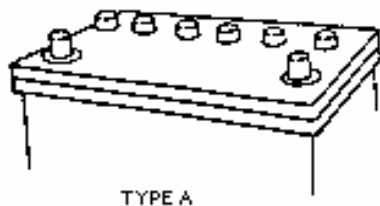
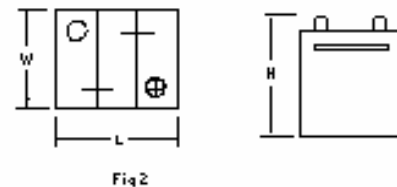
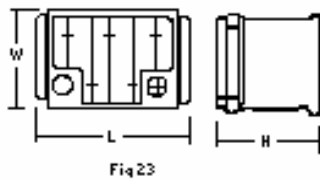
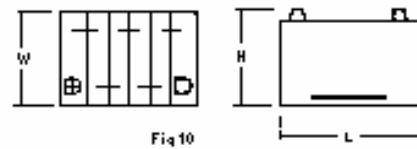
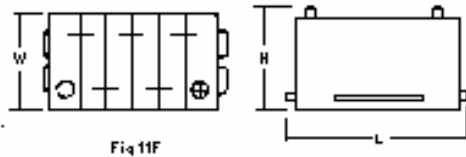
Subject: Battery Specification Information.

The following information provides specifications for batteries used in Toro products. A reference list of batteries used by model number is included with this document to assist in obtaining batteries locally. Where a Toro part number is available, that number is included.

BCI GROUP NUMBERS AND DIMENSIONAL SPECIFICATIONS

BCI GROUP	MAXIMUM OVERALL DIMENSIONS INCHES OR (MILLIMETERS)			ASSEMBLY FIGURE	TERMINAL DESIGN
	LENGTH	WIDTH	HEIGHT		
22	9-1/2 (241)	6-7/8 (175)	8-5/16 (211)	11 F	Type A
26	8-1/2 (215)	6-13/16 (173)	7-7/8 (200)	10	Type A
24	10-1/4 (260)	6-13/16 (173)	8-7/8 (225)	10	Type A
LTV24	10-5/8 (270)	6-13/16 (173)	8-7/8 (225)	10	Type A
24 T	10-3/16 (259)	6-9/16 (167)	8-7/8 (225)	10	Type A
U1	7-3/4 (197)	5-3/16 (132)	7-5/16 (186)	10	Type X
28	10-1/4 (260)	6-13/16 (173)	9-7/16 (240)	10	Type A
30 H	13-1/2 (343)	6-13/16 (173)	9-1/4 (235)	10	Type A
48	12-1/6 (306)	6-7/8 (175)	7-9/16 (192)	23	Type A
4 (6 Volt)	13-1/8 (333)	7-1/8 (181)	9-3/8 (238)	2	Type A
27	12-1/16 (306)	6-13/16 (173)	8-7/8 (225)	10	Type A
55	8-1/2 (215)	6-1/16 (154)	8-1/2 (215)	11 F	Type A
MF70	10-1/8 (258)	6-13/16 (173)	8-5/8 (218)	10	Type A

TERMINAL POSITION AND CELL LAYOUTS



TERMINAL DESIGN



Battery Specification Listing for Toro Products by Model Number

MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
02000	GroundsPro 2000 3wl	U1	300	28	104-8162
02001	GroundsPro 2000 4wl	U1	300	28	104-8162
02002	GroundsPro 2000 Intl-no axle	U1	300	28	104-8162
02003	GP 2000-D	U1	300	28	104-8162
03110	Professional 58 (electric)	U1	300	28	104-8162
03112	Professional 58 (electric)	U1	300	28	104-8162
03113	Professional 58 (electric)	U1	300	28	104-8162
03200	Reelmaster 3100	55	580	95	104-9979
03201	Reelmaster 3100 w/SW	55	580	95	104-9979
03206	Reelmaster 3100	55	580	95	104-9979
03207	Reelmaster 3100 w/SW	55	580	95	104-9979
03226	Professional 70 (5 blade electric start)	U1	300	28	104-8162
03236	Professional 70 (5 blade electric start)	U1	300	28	104-8162
03297	Professional 70 (6 blade w/baskets)	U1	300	28	104-8162
03302	Super Pro 81 (12HP 5-blade)	24	660	110	106-5190
03303	Super Pro 81 (12HP 6-blade)	24	660	110	106-5190
03315	Super Pro 81 (5-blade)	24	660	110	106-5190
03316	Super Pro 81 (6-blade)	24	660	110	106-5190
03317	Super Pro 81 (12HP 5-blade Europe)	24	660	110	106-5190
03319	Super Pro 81 (12HP 5-blade)	24	660	110	106-5190
03325	Super Pro 81 (12HP 6-blade)	24	660	110	106-5190
03328	Super Pro 81 (12HP 6-blade Europe)	24	660	110	106-5190
03335	Super Pro 81 (5-blade)	24	660	110	106-5190
03337	Super Pro 81 (7-blade)	24	660	110	106-5190
03345	Super Pro 81 (5-blade)	24	660	110	106-5190
03347	Super Pro 81 (7-blade)	24	660	110	106-5190
03385	Super Pro 81 (5-blade)	24	660	110	106-5190
03387	Super Pro 81 (7-blade)	24	660	110	106-5190
03410	Reelmaster 216 2WD	U1	300	28	104-8162
03420	Reelmaster 216D 2WD	55	580	95	104-9979
03421	Reelmaster 2300D 2WD	55	580	95	104-9979
03422	Reelmaster 2300/2600D 2WD	55	580	95	104-9979
03425	Reelmaster 216D 3WD	55	580	95	104-9979
03426	Reelmaster 2300D 3WD	55	580	95	104-9979
03427	Reelmaster 2300/2600D 3WD	55	580	95	104-9979
03428	Reelmaster 2000D	55	580	95	104-9979

MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
03430	Reelmaster 216 3WD	U1	300	28	104-8162
03431	Reelmaster 2000D	55	580	95	104-9979
03500	Reelmaster 223-D	26	525	80	106-5187
03501	Reelmaster 223D 4WD	26	525	80	106-5187
03502	Reelmaster 5100-D	26	525	80	106-5187
03504	Reelmaster 5100-D 4 Wheel Dr	26	525	80	106-5187
03524	Turf Pro 84	U1	300	28	104-8162
03530	Reelmaster 5300-D	26	525	80	106-5187
03530	Reelmaster 5300-D	26	525	80	106-5187
03531	Reelmaster 5300-D	26	525	80	106-5187
03531	Reelmaster 5300-D4WD	26	525	80	106-5187
03535	Turf Pro 84	U1	300	28	104-8162
03537	Turf Pro 84	U1	300	28	104-8162
03540	Reelmaster5200-D 2wd	26	525	80	106-5187
03541	Reelmaster5200-D 4wd	26	525	80	106-5187
03543	Reelmaster5400-D 2wd	26	525	80	106-5187
03544	Reelmaster 5400-D 4wd	26	525	80	106-5187
03550	Reelmaster 5500-D	26	525	80	106-5187
03551	Reelmaster 5500-D 4wd	26	525	80	106-5187
03590	Turf Pro 84	U1	300	28	104-8162
03600	Reelmaster 335-D	24	660	110	106-5190
03601	Reelmaster 335-D 4wd	24	660	110	106-5190
03602	Reelmaster 3500-D	24	660	110	106-5190
03603	Reelmaster 335-D 4wd	24	660	110	106-5190
03605	Reelmaster 350-D	30H	450	140	N/A
03660	Reelmaster 5210	55	580	95	104-9979
03670	Reelmaster 5410	55	580	95	104-9979
03680	Reelmaster 5510	55	580	95	104-9979
03690	Reelmaster 5610	55	580	95	104-9979
03700	Reelmaster 450-D	48	660	110	N/A
03701	Reelmaster 450-D Int	48	660	110	N/A
03702	Reelmaster 4500-D (s/n to 30999)	48	660	110	N/A
03702	Reelmaster 4500-D (s/n 40101 and up)	24	660	110	106-5190
03703	Reelmaster 4500D Int (s/n to 30999)	48	660	110	N/A
03703	Reelmaster 4500D Int (s/n 40101 and up)	24	660	110	106-5190
03704	Reelmaster 4500-D 4wd (s/n to 30999)	48	660	110	N/A
03704	Reelmaster 4500-D 4wd (s/n 40101 and up)	24	660	110	106-5190

MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
03705	Reelmaster 4500-D 4wd Int (s/n to 30999)	48	660	110	N/A
03705	Reelmaster 4500-D 4wd Int (s/n 40101 and up)	24	660	110	106-5190
03706	Reelmaster 4000-D 2wd	24	660	110	106-5190
03707	Reelmaster 4000-D 4wd	24	660	110	106-5190
03800	Reelmaster 6500-D 2wd	24	660	110	106-5190
03801	Reelmaster 6500-D 4wd	24	660	110	106-5190
03802	Reelmaster 6700-D 4wd	24	660	110	106-5190
03803	Reelmaster 6500-D 2wd	24	660	110	106-5190
03804	Reelmaster 6500-D 4wd	24	660	110	106-5190
03805	Reelmaster 6700-D 4wd	24	660	110	106-5190
03806	Reelmaster 6500-D 2wd	24	660	110	106-5190
03807	Reelmaster 6500-D 4wd	24	660	110	106-5190
03808	Reelmaster 6700-D 4wd	24	660	110	106-5190
04311	Greensmaster 3	U1	300	28	104-8162
04312	Greensmaster 3	U1	300	28	104-8162
04323	Greensmaster 3	U1	300	28	104-8162
04334	Greensmaster 3	U1	300	28	104-8162
04345	Greensmaster 300	U1	300	28	104-8162
04350	Greensmaster 3000	U1	300	28	104-8162
04351	Greensmaster 3050	U1	300	28	104-8162
04352	Greensmaster 3100 Japan	U1	300	28	104-8162
04353	Greensmaster 3100	U1	300	28	104-8162
04354	Greensmaster 3100 3WD	U1	300	28	104-8162
04356	Greensmaster 3100 2wd	U1	300	28	104-8162
04357	Greensmaster 3150	U1	300	28	104-8162
04375	Greensmaster 3000-D	26	525	80	106-5187
04380	Greensmaster 3200 G	26	525	80	106-5187
04381	Greensmaster 3200 D	26	525	80	106-5187
04383	Greensmaster 3250-D	26	525	80	106-5187
07050	Rake-O-Vac (Engine)	24	370	45	106-5190
07071	Rake-O-Vac (Engine)	24	370	45	106-5190
07073	Rake-O-Vac 23 hp	24	370	45	106-5190
07200	Workman 3200	24	370	45	106-5190
07202	Workman 3200 w/Bed	24	370	45	106-5190
07205	Workman 3300 Diesel	24	660	110	106-5190
07210	Workman 3100 A/C	24	370	45	106-5190
07215	Workman 4300 4wd	24	660	110	106-5190

MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
07216	Workman 4200 4wd	24	370	45	106-5190
07220	Workman Ind 3210-LCG	24	370	45	106-5190
07222	Workman Ind 3310-D	24	660	110	106-5190
07230	Workman Ind 3320-D	24	660	110	106-5190
07231	Workman Ind 3220-LCG	24	370	45	106-5190
07232	Workman Ind 3120-ACG	24	370	45	106-5190
07233	Workman Ind 3420-P	24	370	45	106-5190
07234	Workman 3221 w/cab	24	370	45	106-5190
07252	Workman 1100	U1	300	28	104-8162
07252TC	Workman 1100	U1	300	28	104-8162
07253	Workman 2100	U1	300	28	104-8162
07253TC	Workman 2100	U1	300	28	104-8162
07264	Workman 1100	U1	300	28	104-8162
07264TC	Workman 1100 Intl	U1	300	28	104-8162
07265	Workman 2100	U1	300	28	104-8162
07265TC	Workman 2100 Intl	U1	300	28	104-8162
07277	Workman 2110	U1	300	28	104-8162
07277TC	Workman 2110	U1	300	28	104-8162
07280	Workman Electric Mid Duty	Trojan T105 Deep Cycle (alternative is US Battery US-2200)			N/A
07280TC	Workman Electric Mid Duty, Intl	Trojan T105 Deep Cycle (alternative is US Battery US-2200)			N/A
12004TC	Twister 1600	U1	300	28	104-8162
07360	Workman 3200 GAS 2WD	24	370	45	106-5190
07361	Workman 3200 GAS W/BED	24	370	45	106-5190
07361TC	Workman 3200 GAS W/BED CE	24	370	45	106-5190
07362	Workman 3300D	24	660	110	106-5190
07362TC	Workman 3300D CE	24	660	110	106-5190
07363	Workman 3100 ACG	24	370	45	106-5190
07364	Workman 4300 LCD 4WD W/BED	24	660	110	106-5190
07364TC	Workman 4300 LCD 4WD W/BED CE	24	660	110	106-5190
07365	Workman 4300 LCD 4WD W/BED	24	660	110	106-5190
08300	Workmaster	24	660	110	106-5190
08326	Workmaster	24	660	110	106-5190
08870	Sand Pro	U1	300	28	104-8162
08875	Sand Pro	U1	300	28	104-8162
08880	Sand Pro 14	U1	300	28	104-8162

08881	Sand Pro 5000	U1	300	28	104-8162
MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
08882	Sand Pro 2000	U1	300	28	104-8162
08883	Sand Pro 3000	U1	300	28	104-8162
08884	Sand Pro 2020	U1	300	28	104-8162
08885	Sand Pro 3020	U1	300	28	104-8162
08886	Sand Pro 5020	U1	300	28	104-8162
08703	Sand/Infield Pro 3040	U1	300	28	104-8162
08705	Sand/Infield Pro 5040	U1	300	28	104-8162
09100	Greens Aerator	U1	300	28	104-8162
09110	Greens Aerator	U1	300	28	104-8162
09120	Greens Aerator	U1	300	28	104-8162
09200	Procore 648 Aerator	U1	300	28	104-8162
09800	HydroJect 3000	28	525	110	108-1260
09801	Hydroject 3000	28	525	110	108-1260
09802	Hydroject 3010	28	525	110	108-1260
09850	HydroJect 4000	28	525	110	108-1260
30200	Groundsmaster 1000	26	525	80	106-5187
30223	Groundsmaster 223-D	26	525	80	106-5187
30224	Groundsmaster 224	26	525	80	106-5187
30230	Groundsmaster 225-D	26	525	80	106-5187
30241	Groundsmaster 228-D	26	525	80	106-5187
30242	Groundsmaster 228-D 4wd	26	525	80	106-5187
30243	Groundsmaster 223-D 4WD	26	525	80	106-5187
30300	Groundsmaster 3000	24	660	110	106-5190
30301	Groundsmaster 3000-D	24	660	110	106-5190
30302	Groundsmaster 3000-D 4WD	24	660	110	106-5190
30307	Groundsmaster3320-G	26	525	80	106-5187
30308	Groundsmaster3280-D 2WD	26	525	80	106-5187
30309	Groundsmaster3280-D 4WD	26	525	80	106-5187
30343	Groundsmaster3320-G	26	525	80	106-5187
30344	Groundsmaster3280-D 2WD	26	525	80	106-5187
30345	Groundsmaster3280-D 4WD	26	525	80	106-5187
30360	GMAX 328D W/72" SDD	26	525	80	106-5187
30360TE	GMAX 328D W/72" SDD INTL	26	525	80	106-5187
30361	GMAX 328D W/72" GUARDIAN RECYCLER	26	525	80	106-5187
30362	GMAX 328D W/62" GUARDIAN RECYCLER	26	525	80	106-5187
30363	GMAX 334D W/72" SDD	26	525	80	106-5187

30363TE	GMAX 334D W/72" SDD INTL	26	525	80	106-5187
MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
30364	GMAX 334D W/72" GUARDIAN RECYCLER	26	525	80	106-5187
30365	GMAX 334D W/60" GUARDIAN RECYCLER	26	525	80	106-5187
30410	Groundsmaster 4000	24	660	110	106-5190
30411	Groundmaster 4100	24	660	110	106-5190
30450	Groundsmaster 455-D	24	660	110	106-5190
33460	Electro Power Pack (Transport Frame option)	27 (Deep cycle)	525	140	N/A
30455	Groundsmaster 455-D 4wd	24	660	110	106-5190
30550	Groundsmaster 52	22F	525	80	N/A
30580	Groundsmaster 580-D (s/n 90001 - 09999)	26 (2-required)	525	80	N/A
30580	Groundsmaster 580-D (s/n 10001 and up)	34 (2-required)	650	100	N/A
30581	Groundsmaster580-D with CARB Engine	34 (2-required)	650	100	N/A
30582	Groundsmaster 580-D	34 (2-required)	650	100	N/A
30583	Groundsmaster 580-D 4WD	34 (2-required)	650	100	N/A
30620	Groundsmaster 220	26	525	80	106-5187
30626	Groundsmaster328-D	24	550	140	106-5190
30627	Groundsmaster328-D 4wd	24	550	140	106-5190
30630	Groundsmaster328-D (Intl)	24	550	140	106-5190
30631	Groundsmaster328-D 4wd (Intl)	24	550	140	106-5190
30739	Groundsmaster 325-D (Intl)	24	550	140	106-5190
30741	Groundsmaster 322-D Int 4wd	24	550	140	106-5190
30760	Groundsmaster 52	22F	525	80	N/A
30774	Groundsmaster 72	24	550	140	106-5190
30775	Groundsmaster 52	22F	525	80	N/A
30780	Groundsmaster 72 (Renault 839)	24	550	140	106-5190
30781	Groundsmaster 327 (Renault 08)	24	370	45	106-5190
30782	Groundsmaster 322-D	24	550	140	106-5190
30787	Groundsmaster 327	24	370	45	106-5190
30788	Groundsmaster 325-D	24	550	140	106-5190
30789	Groundsmaster 345	24	370	45	106-5190
30790	Groundsmaster 220	22F	525	80	N/A
30793	Groundsmaster 217-D	22F	300	80	N/A
30794	Groundsmaster 220-D	26	525	80	106-5187
30795	Groundsmaster 325-D 4wd	24	550	140	106-5190
30798	Groundsmaster 220	22F	525	80	N/A
30821	Groundsmaster 3500-D	55	580	95	104-9979
30826	Groundsmaster 3505	55	580	95	104-9979

30839	Groundsmaster 3500-D	55	580	95	104-9979
MODEL	DESCRIPTION	BCI Group	CCA	Reserve	Toro P/N
30856	Groundsmaster 4500-D	24	660	110	106-5190
30868	Groundsmaster 4700-D	24	660	110	106-5190
33677	Parkmaster 7 Diesel	4 (2-required)	760	280	N/A
33699	Parkmaster 9 Diesel	4 (2-required)	760	280	N/A
33713	Parkmaster 5	24	370	45	106-5190
33755	Parkmaster 5	24	370	45	106-5190
33773	Parkmaster 7	24	370	45	106-5190
33775	Parkmaster 5	24	370	45	106-5190
33777	Parkmaster 7	24	370	45	106-5190
33783	Parkmaster 5	24	370	45	106-5190
33784	Parkmaster 5	24	370	45	106-5190
33785	Parkmaster 7	24	370	45	106-5190
33787	Parkmaster 7	24	370	45	106-5190
33871	Parkmaster 9	24	370	45	106-5190
33876	Parkmaster 9	24	370	45	106-5190
33877	HTM 175	4 (2-required)	760	280	N/A
41101	MultiPro 1100	24	370	45	106-5190
41105	MultiPro 1100	24	370	45	106-5190
41177	Multipro 1250	24	370	45	106-5190
41178	Multipro 1200	24	370	45	106-5190
41179	Multipro 1250 Intl	24	370	45	106-5190
41502	MultiPro 5200	24	370	45	106-5190
41514	MultiPro 5200	24	660	110	106-5190
41564	MultiPro 5500	24	660	110	106-5190
41582	MultiPro 5700	24	660	110	106-5190
44020	Sweeper 5400 HL	24	460	70	106-5190
44040	Sweeper 4800 (Briggs)	24	460	70	106-5190
44044	Sweeper 4800-Kohler	24	460	70	106-5190
44045	Sweeper 4800-Onan	24	460	70	106-5190
44050	4800HL Sweeper 18Hp	24	460	70	106-5190
44055	4800HL Sweeper 20Hp	24	460	70	106-5190
91002	Caddymaster	22N L	175	30	N/A