

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN							
DATE ISSUED	MODEL YEAR(S) AFFECTED	MODEL(S) AFFECTED	TSB #				
05/30/01	2001	ALL	221				
BRAND		TYPE					
All <input checked="" type="checkbox"/>	American Star <input type="checkbox"/>	Kountry Star <input type="checkbox"/>	Dutch Star <input type="checkbox"/>	All <input checked="" type="checkbox"/>	T T <input type="checkbox"/>	F W <input type="checkbox"/>	
NewAire <input type="checkbox"/>	Mountain Aire <input type="checkbox"/>	Kountry Aire <input type="checkbox"/>	London Aire <input type="checkbox"/>	C A <input type="checkbox"/>	D P <input type="checkbox"/>	D B <input type="checkbox"/>	
<input type="checkbox"/> Air Conditioning & Heating				<input checked="" type="checkbox"/> Electrical Components			
<input type="checkbox"/> Appliances & Accessories				<input type="checkbox"/> Exterior Components			
<input type="checkbox"/> Cabinets & Furniture				<input type="checkbox"/> Interior Components			
<input type="checkbox"/> Chassis Components				<input type="checkbox"/> Plumbing & Bath Components			
<input type="checkbox"/> Construction Components				<input type="checkbox"/> Windows, Awnings, Vents, & Doors			
DESCRIPTION OF PROBLEM							
Interstate battery warranty coverage.							
RECOMMENDED SOLUTION							
Please review the attached notices regarding Interstate batteries. If you have any questions, please contact an Interstate representative at 972.991.1444. Remember, Newmar's Limited Warranty does not include batteries, chassis, or tires.							

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

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May 3, 2001

Michael O'Connell
355 N. Delaware Street
Nappanee, IN 46550
Ph: 219-773-7791

Subject: Warranty Summary

Dear Mike:

Below is a brief summary of the battery warranty:

Coverage: Newmar will either receive 18 months free replacement from the factory ship code date or 12 months free replacement from the sale of the coach – whichever occurs first on marine/golf cart batteries.

If there are any questions or concerns about the warranty program or any other area of program, please do not hesitate to call me at (972) 715-6849.

A handwritten signature in black ink, appearing to read "Chris Farley", written in a cursive style.

Chris Farley
National Accounts Manager
Interstate Battery Systems of America

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LIMITED WARRANTY

Interstate Battery System of America, Inc. ("IBSA") warrants only to the original purchaser that: 1) this battery is free of defects in material and workmanship for the number of months indicated on the label, and 2) prior to installation or use, the state of charge of this battery has been maintained at a level equal to or greater than the minimum level considered necessary under industry standards for batteries to perform effectively upon their use or installation. If adjustment is necessary due to a defect in material or workmanship, or state of charge below minimum industry standards prior to installation or use, and the battery is NOT MERELY DISCHARGED after installation or use, then upon return of the battery to an authorized dealer:

- (a) Within eighteen (18) months from the date of original purchase, all batteries designed for passenger cars, types: C24-XHD, C24F-XHD, C27-XHD, C27F-XHD, C50-VHD, C65-XHD, C75DT-XHD, C74-XHD, C78DT-XHD and group sizes 29H and 31, will be replaced free of charge (except for taxes, where applicable).*
- (b) Within twelve (12) months from the date of original purchase, all marine batteries of the following types: HD24-DP, 24M-HD, 24M-RD, 24M-XHD, SRM-24, SRM-27, SRM-27B, SRM-29, will be replaced free of charge (except for taxes where applicable).
- (c) Within six (6) months from the date of original purchase, all other batteries will be replaced free of charge (except for taxes, where applicable).
- (d) After the free replacement period described in paragraphs (a), (b) or (c) above, whichever applies, and for the remaining number of months of designated warranty period, the original purchaser may obtain a replacement battery of similar size upon payment of a prorated charge based upon the then current published cost per month of the battery multiplied by the number of full months elapsed since the date of original purchase.*

*When a passenger car battery is used in a diesel vehicle (not including passenger automobiles), commercial service, truck over one ton, marine service, recreational vehicle, lawn tractor, snowmobile, etc., and is defective in material or workmanship, it will be replaced free of charge (except for taxes, where applicable) within six (6) months from date of original purchase. The length of the prorated warranty is one half that indicated on the battery label. Any battery used in electric vehicle service has a twelve month prorated warranty, except the U2200 used in golf carts. The U2200 used in golf carts has a 24 month prorated warranty.

FOR WARRANTY SERVICE, RETURN THE BATTERY TO THE IBSA DEALER WHERE THE BATTERY WAS PURCHASED OR CALL THE TOLL FREE NUMBER LOCATED ON YOUR BATTERY FOR THE NEAREST DEALER LOCATION. ALL BATTERIES ARE DESIGNED TO MEET CERTAIN PERFORMANCE SPECIFICATIONS, SUCH AS COLD CRANKING AMPS AND RESERVE CAPACITY, BUT DUE TO VARYING USES AND OPERATING CONDITIONS, IT IS IMPOSSIBLE TO ANTICIPATE THE USEFUL LIFE OF THIS BATTERY, OR ANY OTHER BATTERY. IF THIS BATTERY SHOULD MATERIALLY FAIL DURING THE WARRANTY PERIOD, THIS LIMITED WARRANTY SHALL CONTROL THE TERMS FOR ADJUSTMENT. IBSA'S LIABILITY IS LIMITED TO REPLACEMENT OF THE BATTERY ACCORDING TO THE TERMS STATED ABOVE. IBSA WILL NOT BE RESPONSIBLE FOR ANY EXPENSES FOR INSTALLATION, TOWING, ELECTRICAL SYSTEM TESTS, CHARGING A BATTERY, LOSS OF TIME, OR OTHER EXPENSES WHICH WOULD BE CONSIDERED AS INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY DOES NOT COVER DAMAGE TO THE BATTERY CAUSED BY ABUSE OR NEGLIGENCE, A FAILURE TO KEEP THE BATTERY PROPERLY CHARGED OR MAINTAINED, FIRE, COLLISION, EXPLOSION, FREEZING, THEFT, OVERCHARGING, OR DAMAGE CAUSED BY USE OF SPECIAL ADDITIVES.

THE WARRANTY DESCRIBED IN THIS PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NOTE: SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.
Rev 3-00



NEWMAR CORPORATION

WARRANTY DEPARTMENT

OFFICIAL
SPONSOR

INTERSTATE

#1 IN BATTERIES

Newmar Corporation

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SPECIFICATION SHEET

BCI Group Size	Interstate® Batteries Type	CCA 30 sec. at 0°F	*CA/MCA 30 sec. at 32°F	Reserve Capacity Minutes	Warranty Months	Overall Dimensions in Inches			Footnotes
						Length	Width	Height	
PASSENGER CAR • 12 VOLT									
24	MTP-24	800	1000	125	72	11	6-7/8	8-3/4	E,K,P
	24-50	460	575	90	50	10-1/4	6-7/8	8-3/4	E,K
24F	MTP-24F	800	1000	125	72	11	6-7/8	8-3/4	E,K,P
	24F-50	460	575	90	50	10-1/4	6-7/8	8-3/4	E,K
25	MT-25	550	690	100	60	9	6-7/8	8-3/4	E,K
26	MT-26	525	655	85	60	8	6-3/4	7-3/4	E,K
	26-50	425	530	70	50	8	6-3/4	7-3/4	E,K
26R	26R-50	425	530	70	50	8	6-3/4	7-3/4	E,K
34	MT-34	700	875	120	80	10-1/4	6-7/8	7-3/4	E,K
	34-50	500	625	95	50	10-1/4	6-7/8	7-3/4	E,K
34R	MT-34R	700	875	120	80	10-1/4	6-7/8	7-3/4	E,K
35	MTP-35	640	800	100	72	9	6-7/8	8-3/4	E,K
	MT-35	550	690	100	60	9	6-7/8	8-3/4	E,K
51	35-50	400	500	77	50	9	6-7/8	8-3/4	E,K
	MT-51	500	625	85	60	9-3/8	5-1/8	8-7/8	E,K
51R	51-50	410	515	70	50	9-3/8	5-1/8	8-7/8	E,K
	MT-51R	500	625	85	60	9-3/8	5-1/8	8-7/8	E,K
36	MT-56	550	690	85	60	10	6	8-1/4	E,K
	MTP-56	610	765	90	72	9-1/2	7-1/4	8-7/8	E,K,P
58	MT-58	540	675	80	60	9-1/2	7-1/4	8-7/8	E,K
	58-50	420	525	75	50	9-1/2	7-1/4	8-7/8	E,K
58R	MT-58R	582	730	100	80	9-1/2	7-1/4	8-7/8	E,K
62	MT-62	510	640	85	60	9-1/2	7-1/4	8-7/8	E,K
	62-50	435	545	75	50	9-1/2	7-1/4	8-7/8	E,K
64	MT-64	535	670	100	60	12-1/4	6-1/4	8-7/8	E,K
65	MTP-65	675	1065	165	72	12	7-1/2	7-1/2	E,K
	MT-65	675	845	130	60	12	7-1/2	7-1/2	E,K
70	70-50	425	530	70	50	8-1/8	7-1/8	7-1/2	E,K
74	MTP-74	800	1000	125	72	11	7-1/4	8-3/8	K,P,S,T
	74-50	480	575	90	50	10-1/4	7-1/4	8-3/8	K,P,S,T
75U	MTP-75DT	650	815	93	72	9-1/2	7-1/4	8-3/8	DT,K,P
	MT-75DT	550	690	90	60	9-1/2	7-1/4	8-3/8	DT,K,P
75	75DT-50	450	565	75	50	9-1/2	7-1/4	8-3/8	DT,K,P
	MTP-75	700	875	100	72	9	7-1/4	7-5/8	K,S,T
78U	MT-75	650	815	98	60	9	7-1/4	7-5/8	K,S,T
	78-50	550	690	90	50	9	7-1/4	7-5/8	K,S,T
78	MTP-78DT	800	1000	110	72	10-3/16	6-7/8	7-13/16	DT,K,P
	MT-78DT	725	905	100	60	10-3/16	6-7/8	7-13/16	DT,K,P
96	MTP-79	800	1000	110	72	10-1/4	7-1/4	7-3/8	K,S,T
	MT-79	700	875	100	60	10-1/4	7-1/4	7-3/8	K,S,T
96	MT-96	525	655	80	50	9-1/16	6-7/8	8	E,K
IMPORTED CAR • 12 VOLT									
22F	22F-50	450	565	77	60	9-3/8	6-7/8	8-1/8	E,K
41	MT-41	850	815	110	60	11-1/2	8-7/8	8-5/8	E,K
	41-50	510	675	76	50	11-1/2	8-7/8	8-5/8	E,K
42	MT-42	450	565	70	60	9-5/8	7	8-3/4	E,K
	42-50	400	500	71	50	9-5/8	7	8-3/4	E,K
45	45-50	480	600	74	50	9-3/8	5-1/2	8-3/4	E,K
46	24CP-50	550	690	95	50	10-3/4	6-7/8	8-5/8	E,K
47	MT-47	530	740	85	60	9-5/8	6-7/8	7	E,K,Q
	47L-50	525	655	80	50	9-5/8	6-7/8	7	E,K,Q
48 (81)	MB66-50	550	650	86	50	9-5/8	6-7/8	7	H,K,Q
49 (93)	MB66-60	750	940	130	80	11-3/8	6-7/8	8-7/8	E,K,P,Q
91 (48)	MTP-91	700	875	120	72	11-3/8	6-7/8	8-7/8	E,K,P,Q
93 (49)	MTP-93	850	1065	155	72	14-3/8	6-7/8	8-7/8	E,K,P,Q
IMPORTED CAR • 6 VOLT									
17HF	17HF-50	360	430	115	50	7-3/8	5-3/4	9	E,A
19L	19L-50	440	550	120	50	8-1/4	5-5/8	7-3/8	E,K
LTV TYPE 30 12 VOLT									
55	LTV-55	650	815	715	60	12	7-1/2	7-1/2	E,K,L,P
78U	LTV-75DT	525	655	100	60	9-1/2	7-1/4	8-3/8	DT,K,L,P
78U	LTV-78DT	725	905	120	80	10-5/16	6-7/8	7-13/16	DT,K,L,P

*CA/MCA calculations are approximations and are provided for general, comparative purposes only. Consistent with the position of Battery Council International, Interstate recommends using Cold Cranking Amps (CCA) as the indicator of battery performance.

230295 Rev. 7/98

SEE REVERSE SIDE FOR FOOTNOTES AND EXPLANATIONS

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If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

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SPECIFICATIONS SHEET									
BCI Group Size	Interstate® Battery Type	CCA 30 sec. at 0°F	*CAVCA 30 sec. at 32°F	Reserve Capacity Minutes	Warranty Months	Overall Dimensions in Inches			Footnotes
						Length	Width	Height	
MARINE RV • 12 VOLT									
24M	SRM-24	550	680	140	30	11	8-7/8	9-1/2	C,D,K,P
	HD24-CP	400	500	100	30	11	8-7/8	9-1/2	C,D,K,P
	24M-XHD	300	1000	135	24	11	8-7/8	9-1/2	C,K,P
	24M-HD	500	625	95	24	11	8-7/8	9-1/2	C,K,P
	24M-RD	400	500	75	24	11	8-7/8	9-1/2	C,K,P
27M	SRM-27	300	750	160	33	12-3/4	8-3/4	9-1/2	C,D,K,P
27M	SRM-27B	675	845	180	33	12-3/4	8-3/4	9-1/2	C,D,K,P
39M	SRM-39	875	845	210	30	13	8-3/4	10	C,D,K,P
40M	SRM-40	1314	1645	390	30	21	9-1/4	10-3/8	C,D,F,K,P
GARDEN TRACTOR • SNOWMOBILE • SPECIAL USE • 6 VOLT • 12 VOLT									
U-1	SP-40	310	425	41		8-1/4	5-1/8	7-1/8	F,H,K
	SP-30	230	290	30		7-3/4	5-1/8	7-1/8	F,H,K
	SP-24	160	200	20		7-3/4	5-1/8	7-1/8	F,H,K
	SP-18	145	190	12		8-1/8	5-1/8	7-1/8	F,H,K
U-1R	SRM-U1	215	270	45		7-3/4	5-1/8	7-1/8	C,F,H,K
	SP-18R	145	190	12		8-1/4	5-1/8	7-1/8	F,H,K
	SP-30R	230	290	30		7-3/4	5-1/8	7-1/8	F,H,K
2N	SRM-2N	625	780	200		10	5-1/2	8-7/8	A,B,E
22NF	SP-22NF	390	490	52		9-3/8	5-1/2	8-3/4	E,K
	SRM-22NF	325	405	80		9-3/8	5-1/2	8-3/4	D,E,K
TRUCK-TRACTOR • MOTOR COACH • BUS • 12 VOLT									
24	C24-XHD	575	720	130	30	10-1/4	8-7/8	9-5/8	E,K
24F	C24F-XHD	575	720	130	30	10-1/4	8-7/8	9-5/8	E,K
27	C27-XHD	575	845	160	30	12	8-7/8	9-5/8	E,K
27F	C27F-XHD	575	845	160	30	12	8-7/8	9-5/8	E,K
30	C30-XHD	700	770	109	30	13-1/4	5-1/2	8-3/4	E,K
65	C65-XHD	650	815	115	30	12	7-1/2	7-1/2	E,K,P,L
74	C74-XHD	575	720	130	30	10-1/4	7-1/4	8-3/8	K,S,T
75U	C75U-XHD	525	655	100	30	8-1/2	7-1/4	8-3/8	DT,K,B,L
78U	C78U-XHD	725	805	120	30	10-5/16	8-7/8	7-10/16	DT,K,B,L
16TF	16TF-VHD	640	800	240	30	16-1/2	7-1/8	11	A,B,E
17TF	17TF-VHD	530	665	130	30	17	6-7/8	8	A,B,E
29H	29H-VHD	660	825	160	35	13	8-3/4	9-3/8	F,K,P,L
	31-MHD	550	1190	195	35	13	8-3/4	9-3/8	F,K,Q,L
	31P-MHD	550	1190	195	35	13	8-3/4	9-3/8	E,F,K,Q,L
	31-DC	700	875	200	35	13	8-3/4	9-3/8	F,K,Q,L
	31-LHD	750	940	180	35	13	8-3/4	9-3/8	F,K,Q,L
	31P-LHD	750	940	180	35	13	8-3/4	9-3/8	E,F,K,Q,L
	31-VHD	690	825	160	35	13	8-3/4	9-3/8	F,K,Q,L
	31P-VHD	690	825	160	35	13	8-3/4	9-3/8	E,F,K,Q,L
29NF	29NF-VHD	420	525	77	35	5-1/2	9	E,K	
3EE	3EE-VHD	400	500	90	30	16-1/4	4-1/4	8-5/8	E,K
3ET	3ET-VHD	450	575	105	30	19-1/4	4-1/4	9-1/2	E,K
4DLT	4DLT-VHD	650	1065	250	30	20	6-1/8	9	E,F,K
4D	4D-XHD	1300	1250	295	35	20-3/4	8-1/4	9-5/8	E,K,P,F
8D	8D-MHD	1400	1750	450	35	20-3/4	11	9-5/8	E,G,K,P
	8D-XHD	1155	1445	390	35	20-3/4	11	9-5/8	E,G,K,P
TRUCK-TRACTOR • MOTOR COACH • BUS • 6 VOLT									
1	1-VHD	575	720	130	30	8-7/8	8-7/8	8-3/4	E,K
2	2-XHD	600	750	170	30	13-1/4	7	9-1/8	E,K
2E	2E-VHD	615	770	195	30	13-5/8	4	9-5/8	A,B,E
3	3-VHD	670	840	258	50	11-3/4	7	9-1/4	A,E,F
4	4-XHD	860	1150	235	35	12-3/4	7-1/8	9-1/8	E,K,F
	4-172	800	1000	250	35	12-3/4	7-1/8	9-1/8	E,K,F
4EH	4EH-VHD	860	1035	370	50	12-1/4	5	10	A,B,E
3EH	3EH-VHD	875	1035	250	50	12-1/4	4-1/4	9-3/4	E,F,K
7D	7D-VHD	840	1175	360	50	15-1/8	7	9	A,E,F
GOLF CART • 6 VOLT									
GC-2	U2300	75 AMPS @ 80°F = 108 MIN				10-1/4	7	11-1/8	C,D,K
SPECIAL • 6 VOLT									
8V	1-8V-VHD	525	655	184	30	9	5-7/8	8-3/4	K
8V	8V-195	810	1015	340	30	20-1/2	7-1/4	10-1/4	A

SAB ELECTRICAL CAPACITY RATINGS: Cold Cranking Amps-Cranking power in amps for 30 seconds at 0°F. Reserve Capacity Min-Minutes of 25 amp output at 80°F.

NOTE: To estimate the 20-hour capacity for any battery multiply the reserve capacity (RC) rating by 0.55.

Footnotes: A - Formulated Hard Rubber Construction B - Non-Mercury Construction C - Combination Stud Term. & Automotive (Type V) D - Deep Cycle DT - Dual Terminal
E - SAE Post Terminal F - Anchor Bolting G - Rize Handles H - U-Terminals (Type X) I - Stud Terminal (Type Y) K - Poly Container and Cover
L - Wotitech One Wall Technology P - Poly-Handle Q - Merited Vents R - Side Terminal

Dimensions listed above are actual product dimensions in inches. BCI standards may differ from those shown here.

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