



service bulletin

TO: SERVICE MANAGER MECHANICS
 PARTS MANAGER

No. 91-1

A. NEW BATTERY AND BATTERY CABLE REQUIREMENTS FOR MERCUISER PRODUCTS

Change

The following battery and battery cable charts show the minimum required size for MerCruiser products. The battery chart contains all engines produced since 1970. Use the Cold Cranking Amps or the Amp hour rating, not both. The Amp hour rating is used outside the USA and Canada.

GASOLINE ENGINES

CID	(L)	Number of Cylinders	Minimum 12V Battery Size
153	(2.5)	4	375 CCA or 90 Ah
181	(3.0)	4	
229	(3.8)	V6	
250	(4.0)	6	
302	(5.0)	V8	
305	(5.0)	V8	
350	(5.7)	V8	
351	(5.8)	V8	450 CCA or 90 Ah
224	(3.7)	4	
262	(4.3)	V6	
427	(7.0)	V8	
454	(7.4)	V8	550 CCA or 120 Ah
482	(7.9)	V8	
502	(8.2)	V8	
540	(8.9)	V8	

Battery Cable Length	Minimum Cable Gauge
Up to 3-1/2 ft. (1.1m)	4 (25mm ²)
3-1/2 – 6 ft. (1.1-1.8m)	2 (35mm ²)
6 – 7-1/2 ft. (1.8-2.3m)	1 (50mm ²)
7-1/2 – 9-1/2 ft. (2.3-2.9m)	0 (50mm ²)
9-1/2 – 12 ft. (2.9-3.7m)	00 (70mm ²)
12 – 15 ft. (3.7-4.6m)	000 (95mm ²)
15 – 19 ft. (4.6-5.8m)	0000 (120mm ²)

DIESEL ENGINES

CID	(L)	Number of Cylinders	Minimum 12V Battery Size
183	(3.0)	5	750
219	(3.6)	6	CCA
254	(4.2)	6	or

180 Ah

Battery Cable Length	Minimum Cable Gauge
Up to 3 ft. ft. (0.9m)	2 (35mm ²)
3 – 3-3/4 ft. (0.9-1.1m)	1 (50mm ²)
3-3/4 – 4-3/4 ft. (1.1-1.4m)	0 (50mm ²)
4-3/4 – 6 ft. (1.4-1.8m)	00 (70mm ²)
6 – 7-1/2 ft. (1.8-2.3m)	000 (95mm ²)
7-1/2 – 9-1/2 ft. (2.3-2.9m)	0000 (120mm ²)
•9-1/2 – 12 ft. (2.9-3.7m)	•00 (70mm ²)
•12 – 15 ft. (3.7-4.6m)	•000 (95mm ²)
•15 – 19 ft. (4.6-5.8m)	•0000 (120mm ²)

•Two cables of specified gauge required for positive and two required for negative.