

TO: SERVICE MANAGER MECHANICS
PARTS MANAGER

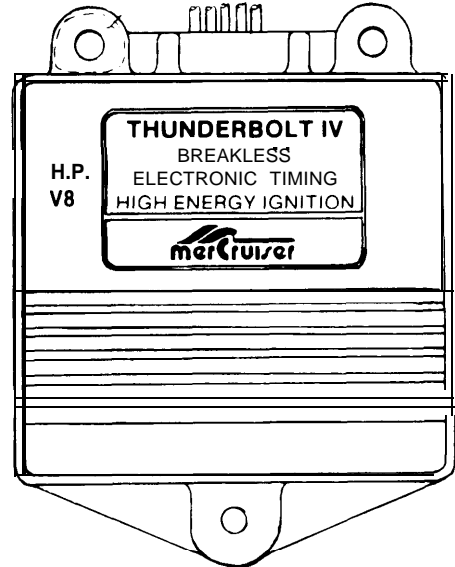
No. **88-8**

- A. MCM HP 420/575 Ignition Timing
- B. MCM HP 575 Exhaust Header Identification

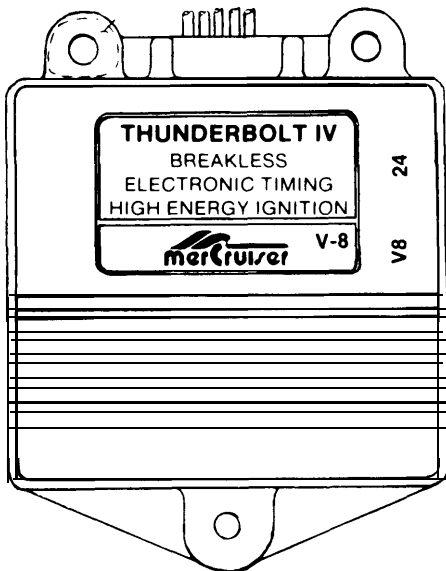
A. MCM HP 420/575 IGNITION TIMING

Some HP 420/575 engine may have incorrect timing specifications on the engine specification decal, owner manuals and service manuals. Correct initial timing is dictated by what ignition amplifier is used on that particular engine. Refer to following chart to find correct timing specification.

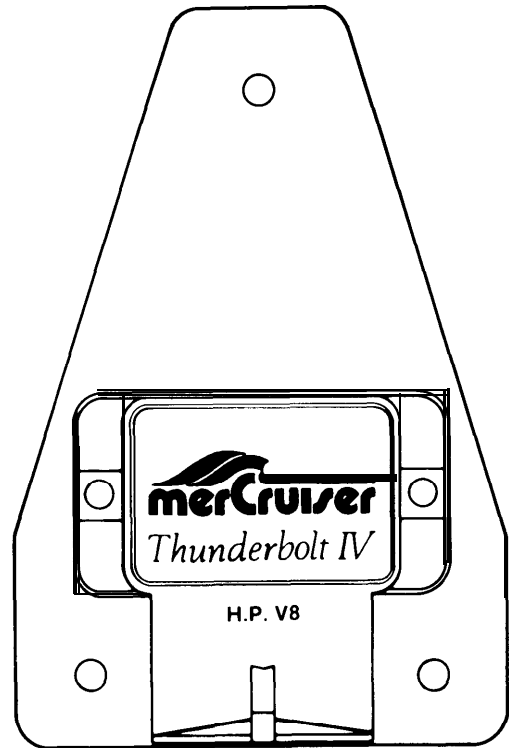
Amplifier P/N	Amplifier Marking	Amplifier Advance	Initial Advance	Full Advance @ RPM
390-7804A3	V8-24	24"	10"	34" @ 3600
390-9571 AI	HP-V8	20"	14"	34" @ 3200
17316AI	H P-V8	20"	14"	34" @ 3200



390-9571A1



390-7804A3



17316A1

372-H

Full advance should never exceed 34°. Multiple engine installations must use the same amplifier, because of advance curve difference. Some HP 420/575 have the harmonic balancer marked at 16° initial timing, because timing was set on the dynamometer for peak horsepower at 34° full advance. Initial timing on these engines should be reset and the balancer remarked according to amplifier being used.

B. MCM HP 575 EXHAUST HEADER IDENTIFICATION

MCM HP 575 exhaust headers were sold in three different sets P/N's 12493, 12493-I and 12493-2, which are No Longer Available. Now each header will be sold separately. Each header is color coded on the mounting flange. Headers P/N 12493-3 and 12493-4 are used in standard production. Headers 12493-I 0, 12493-I 1, 12493-20 and 12493-21 are for staggered and multiple engine installations. Figure 1.

N.L.A. Set P/N	Port P/N	Starboard P/N	Dimensions		Color Code
			A	B	
12493	12493-3	12493-4	20-1/4 in. (514mm)	13-1/2 in. (342mm)	Green
12493-1	12493-10	12493-I 1	23 in. (584mm)	11 in. (279mm)	Light Green
12493-2	12493-20	12493-21	20-1/4 in. (514mm)	15 in. (381mm)	Green/Orange

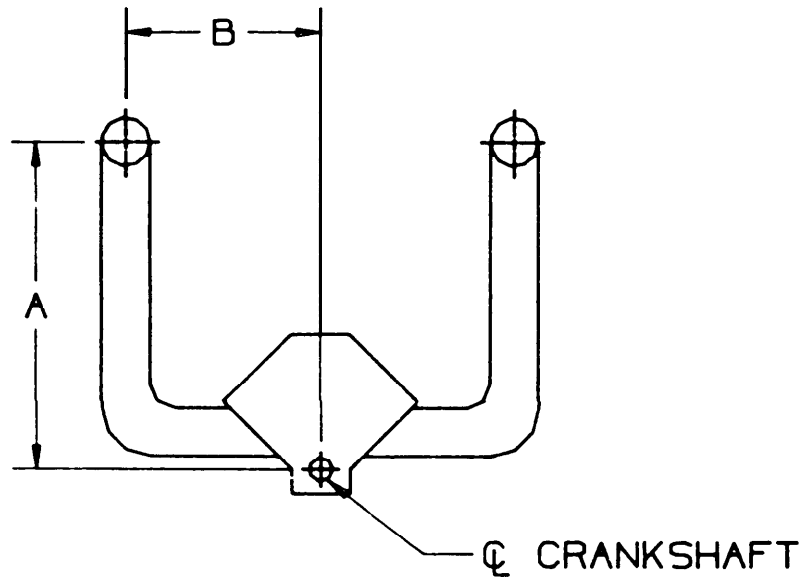


Figure 1.