

# service bulletin



No. 96-10

# 225 (2.5L) ECU Replacement

# **Models Affected**

YEAR	MODEL	SERIAL#
1996	225 Mercury Pro Max	G367020 thru G368192
1996	225 Mariner Super Magnum	See Important following

IMPORTANT: See page 2 for the list of engine serial numbers that were reworked at the factory before shipment.

### **Problem**

A lean condition may exist in the 824003A12 ECU. Piston scoring can occur if the outboard is run between 4500-5500 RPM for a long duration (especially during break-in).

# **Owner Notification**

A combination letter/claim (USA) or letter (Canada) will be sent to every registered owner of an affected outboard (copy enclosed). The letter will advise the owner to return their outboard to an authorized dealer for an ECU replacement.

# Correction

Replace old ECU with newly calibrated ECU 824003A17. The identification tag on the new ECU will read:

225 PRO MAX ECU 824003A 17 PF61370522

# **Procedure**

**U.S.A.:** Contact the service department at Mercury Hi-Performance. A new ECU will be sent UPS blue label. Return blue label the warranty claim, old ECU and a copy of the freight bill to:

ECU Recall
Phone: 414-921-5330
Mercury Hi-Performance
Attn: Service Dept.
N7480 County Rd. "UU"
Fond du Lac, WI 54935

**Canada:** Contact the Canadian Mercury Service Center.

Mercury Marine Ltd. 1156 Dundas St. East Mississauga, Ontario Canada L4Y 2C2 Phone: 905-270-4481 Fax: 905-270-4501

**International:** Follow instructions issued by your Marine Power International office or distributor.

# **Dealer Inventory**

Affected outboards in dealer inventory must be reworked prior to customer delivery. There is a limited number of replacement ECU's at this time so please rework customer owned outboards or sold units first.

# **Service Parts Stock**

Return all 824003A12 ECU's for re-calibration and relabeling.

# Warranty

Complete a warranty claim listing:

- Engine Serial Number (one serial number per claim)
- Three tenths (0.3) hours labor

Flat rate code: HI 12Failure code: 731 40

Follow Procedure instructions.

#### **DEALER PARTS STOCK**

Complete a warranty claim listing:

- Quantity of ECU's part number 824003A12
- Two tenths (0.2) hour labor

Flat rate code: NJC

Failure code: 731 40

Follow Procedure instructions.

# **Engine Serial Numbers Reworked at the Factory Prior to Shipment**

0G367032, 0G367033, 0G367091, 0G367092, 0G367094, 0G367096, 0G367097
0G367223, 0G367286, 0G367289, 0G367290, 0G367291, 0G367293, 0G367294, 0G367295, 0G367296, 0G367297, 0G367298
0G367413, 0G367419, 0G367420, 0G367469, 0G367472, 0G367473, 0G367475, 0G367478, 0G367479, 0G367480, 0G367481
0G367510, 0G367512
0G367780, 0G367781, 0G367782
0G367993 thru 0G367999
0G368000
0G368154, 0G368155, 0G368158, 0G368160 thru 0G368167, 0G368169, 0G368170,

0G368189, 0G368190, 0G368191, 0G368192



## A BRUNSWICK COMPANY

#### Dear Owner:

Our records indicate you own a Mercury or Mariner outboard that may have a faulty Electronic Control Unit that controls the fuel delivery to your engine. If this component fails, your engine may be susceptible to piston failure.

#### WHAT YOU SHOULD DO

# **A CAUTION**

Do not use your outboard until repairs have been completed.

Contact your authorized Mercury Marine dealer, preferably the one who sold you the engine. Make an appointment to have this work done under Hi-Performance Service Bulletin 96-10.

Then, deliver your outboard and this letter to your dealer at the appointed time. The reverse side of this letter is a claim your dealer needs to send us for reimbursement.

#### WHAT WE WILL DO

We will reimburse the authorized dealer for repairing the engine. You will not be charged for this procedure.

We regret and sincerely apologize for any inconvenience this recall may have caused you. However, we have taken this action to insure your boating enjoyment and continued satisfaction with our product.

1 am Chts

Sincerely,

Mercury Hi-Performance

Dave Christie Director, MHP Service

	MERCURY	WARRANTY CLAIM	Y CLAIM				
	A BRUNSWICK COMPANY		SATE RECEIVED	DATE PROMISED	ENGINE SE	ENGINE SERIAL NUMBER	Γ
MERCURY M	MERCURY MARINER MERCRUISER FORCE QUICKSILVER		≥ 1	AM PM			7
CUSTOMER NAME	? NAME	DEALER CODE			PRODUCT (CHECK ONE ONLY)		DATE FAILED
0000		A CALL			OUTBOARD		DATE REPORTED
AUURESS		DEALER NAME			STERNDRIVE		DATE REPAIRED
CITY, STATE, ZIP	E, ZIP	DEALER ADDRESS			INBOARD		
					INFLATABLES		HOURS USED
MODEL / SI	MODEL / SERIAL NUMBER	CITY, STATE, ZIP			Ta,		
DATE OF SALE	AIF	ORDER NUMBER	LABOR RATE	RATE	T GUICKSILVER P&A (ATTACH RECEIPT)	(ATTACH REC	(SEIPT)
					OTHER - SPECIFY	<b>\</b>	
DESCRIPTION OF FAILURE	OF FAILURE Ref Hi-Performance Service Bulleti	ce Service Bulletin 96-10			BOAT TYPE		
					T I'N		
FAILURE CODE 731 40	FAILURE CODE DESCRIPTION EQUACEMENT	MOTE: WARRANTY CLAIM MUST BE RE- CEIVED WITHIN 30 DAYS OF REPAIR DATE TO BE CONSIDERED FOR APPROVAL.	PRE-AUTHORIZATION NUMBER	BER   ENTER DATE			
	REPA	EPAIR PARTS IDENTIFICATION		_	LABOR PERFORMED PER R	FLAT RATE	MANUAL
ΥTØ	PART NUMBER	PART DESCRIPTION	LIST PRICE	TOTAL CODE	DESCRIPTION	HOURS	DOLLARS
-	824003A17	ECU		HI 12	2 ECUR&R	0.3	
					TOTAL LABOR	98	
					TOTAL PARTS	ø	
					SUB	SUB TOTAL	
						TAX	
					SUBLET LABOR (RECEIPT ATTACHED)	ABOR TACHED)	-
					FREIGHT (ATTACH RECEIPT IF OVER \$10.00)	HT ECEIPT (10.00)	
					GRAND	GRAND TOTAL	
					FOR FACTORY USE	USE ONLY	>
							20
Parts m	Parts must be returned to receive credit.	credit.					
I HEREBY AUTHORIZE GRANT YOU AND/OR	I HEREBY AUTHORIZE THE ABOVE REPAIR WORK TO BE DONE AND GRANT YOU AND/OR YOUR EMPLOYEES PERMISSION TO OPERATE	E DONE AND TO OPERATE					
THE UNIT	THE UNIT AS NECESSARY FOR TESTING AND/OR	INSPECTION.	CUSTOMER AUTHORIZATION				