

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

350 MAG and MX6.2L Engine Control System Change

Models Affected

Models Affected	Serial Number Or Year
Sterndrive Models 350 MAG MPI, 350 MAG MPI Horizon, MX6.2L MPI, MX6.2L MPI Horizon	0W310000 and Above
Inboard Models 350 MAG MPI, 350 MAG MPI Horizon, MX6.2L MPI, MX6.2L MPI Horizon	0W390000 and Above

Situation

The Engine Control System has been enhanced to include dual knock sensors, cam sensor and an improved fuel injector firing sequence, resulting in the following changes:

- The 350 MAG MPI and 350 MAG MPI Horizon fuel injectors will now fire in pairs.
- Inboard and Sterndrive Models will have unique engine wiring harnesses: Sterndrive Engine Wiring Harness Part Number 84-865454A03 Inboard Engine Wiring Harness Part Number 84-865455A03
- The wide open throttle (WOT) range has been increased.

Model	WOT Range
350 MAG MPI Sterndrive	4800-5200 RPM
350 MAG MPI Inboard	4600-5000 RPM

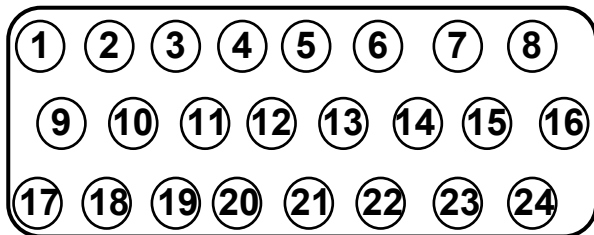
- ECM pin locations have changed. Refer to New ECM Pin Locations.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.

New ECM Pin Locations

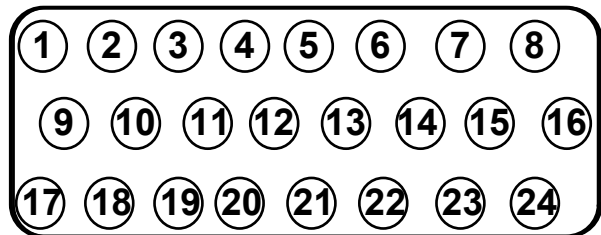
A



Connector A

- 1 Fuel injector circuit, injectors 4 and 7
- 2 Fuel injector circuit, injectors 5 and 8
- 3 Empty
- 4 CAN line connector pin J
- 5 Diagnostic connector pin C
- 6 Odd knock connector pin B
- 7 Even knock connector pin B
- 8 Splice 109
- 9 10-pin connector pin 4
- 10 10-pin connector pin 2
- 11 CAN Line connector pin K
- 12 Diagnostic connector pin B
- 13 Odd knock connector pin A
- 14 Even knock connector pin A
- 15 CAN Line connector pin E
- 16 Splice 104
- 17 Fuel injector circuit, injectors 1 and 6
- 18 Fuel injector circuit, injectors 3 and 2
- 19 Fuel pump relay pin 86
- 20 IAC connector pin 1
- 21 Gear indicator connector pin B
- 22 Main power relay pin 85
- 23 Splice 106
- 24 Splice 104

B



10559

Connector B

- 1 Splice 100
- 2 MAPT connector pin 2
- 3 MAPT connector pin 4
- 4 Fuel level connector pin C
- 5 Crankshaft connector pin C
- 6 Empty
- 7 Oil pressure connector pin C
- 8 Transom connector pin E
- 9 Paddle wheel connector pin C
- 10 Camshaft connector pin C
- 11 Seapump pressure connector pin C
- 12 Transom connector pin D
- 13 Digital trim
- 14 Coolant connector pin B
- 15 Empty
- 16 Empty
- 17 Empty
- 18 Splice 102
- 19 Shift interrupt connector pin C
- 20 Throttle position connector pin C
- 21 Splice 101
- 22 Paddle wheel connector pin D
- 23 Coil driver connector pin B
- 24 Empty

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.