

MERCRUISER HORN WARNING SYSTEMS

All MEFI-1 and MEFI-2 V-6 and V-8 Sterndrives and Inboards

*NOTE: MEFI-1 and MEFI-2 ECM wiring harness plugs into both ends of ECM Controller
MEFI-3 Connections face forward towards intake manifold.*

Models	All MEFI-1 and MEFI-2 V-6 and V-8 Sterndrives and Inboards	262 MAG	
		4.3 EFI	
		5.0 EFI	
		5.7 EFI	
		350 MAG EFI	
		350 MAG MPI	
		7.4 TBI	
		7.4 MPI	
		454 EFI	
		454 MPI	
		8.2 MPI	
		502 EFI	
		502 MPI	
Horn Output	Possible Cause	Corrective Action	Engine Usage Available For Consumer
Key on, beep for 2 seconds, then off	Normal test horn	No Action Required	No action required
Solid Horn	Oil pressure	If possible, stop engine and key off to check related items.	Possible reduction of power from 2800 RPM to 1200 RPM by ECM disabling 4 fuel injectors. Have a dealer inspect and make corrective repair.
	Engine temperature		
	Drive lube level or transmission temperature on MIE models		

All MEFI-3 V-6 and V-8 Sterndrive and Inboards

*NOTE: MEFI-1 and MEFI-2 ECM wiring harness plugs into both ends of ECM Controller
MEFI-3 Connections face forward towards intake manifold.*

Horn Output	Possible Cause	Corrective Action	Engine Usage Available For Consumer
Key on, beep for 2 seconds, then off	Normal test horn	No Action Required	No action required
Beep alternates on for one second, then off for three seconds with a soft alarm below 3000 RPM and a solid horn above 3000 RPM	Oil pressure	If possible, stop engine and key off to check related items. Scan with CDS.	Possible reduction of power, dependent on alarm. Have a dealer inspect and make corrective repair.
	Engine temperature		
	Drive lube level or transmission temperature on MIE models		
	Sensor fault		
Beep for five seconds, then beep goes off.	Low battery	Increase engine RPM by throttling	If alarm persists have a dealer check the battery and alternator.
	Low fuel pressure (V-6 and V-8 305-305 CID engines)	Check possible cause of low fuel pressure	Have dealer install fuel pressure gauge to check possible fuel pump issue.

MERCRUISER HORN WARNING SYSTEMS

All Serial Numbers 0M300000 and Above

Models	All Serial Numbers 0M300000 and Up	4.3 MPI Alpha/Bravo	
		5.0 MPI Alpha Bravo	
		350 MAG MPI Alpha/Bravo	
		6.2 MPI Bravo (ECM 555)	
Horn Output	Possible Cause	Corrective Action	Engine Usage Available For Consumer
Single beep at start up	Normal test horn	No Action Required	No action required
Two beeps every minute	Sensors	Connect CDS to determine and diagnose the problem	Possible 90% available power (dependent on sensor). See dealer for diagnostics.
	Open-short in circuits		
Intermittent continuous beeps	Drive lube bottle	Check drive lube bottle for oil and possible malfunction with switch	If drive reservoir is full, see dealer for diagnostics.
Continuous horn	Battery voltage	Connect CDS to determine and diagnose the problem	5-90% available power dependent on actual fault. Guardian is active!
	Guardian strategy		
	Over speed		
	ECT overheat		
	ECM memory		
	Multiple CAN Circuit faults		
	Engine oil pressure <i>NOTE: Excludes 6.2 both raw and FWC engines on horn fault.</i>	Stop engine immediately, check the oil level	Run engine only in emergency. Forced idle RPM only