

TO: SERVICE MANAGER  MECHANICS   
PARTS MANAGER

**No. 97-10**

## Scorpion 377 HP Detonation Control

The detonation sensor on the Hi-Performance Scorpion 377 is not functional. Mechanical noise was being recognized by the sensor as detonation, thus retarding engine timing. The Electronic Control Module (ECM) was programmed to not process the signal sent from the detonation sensor so that engine performance would be maintained. With no engine detonation control, it is imperative to always use the required 92 Octane [(R+M)/2] grade of fuel to avoid serious engine damage. Engine damage caused by detonation is not covered by the MerCruiser Limited Warranty.