MERCURY MerCruiser

Service Bulletin

Bulletin No. 2006-03

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MerCruiser Spark Plug Recommendations

Models Affected

Sterndrive, Inboard, and Ski Models Affected	Engine Serial Number
3.0L Carb	0M300000 and above
4.3L Carb and MPI	
5.0L Carb and MPI	
5.7L Carb and 350 Mag MPI	
6.2L MX MPI	
Black Scorpion and MX 6.2 Black Scorpion	
8.1L and 496 MAG and HO	

Situation

This bulletin supersedes previously published spark plug recommendations.

SPARK PLUGS FOR ENGINES WITH SERIAL NUMBER 0M300000 AND ABOVE

Production Years	Engine (Sterndrive, Inboard, Ski)	OEM Spark Plug	Mercury Part Number	Gap
Before April 2006	3.0L	AC MR43LTS	33-862029	1.14 mm (0.045 in.)
	4.3L. 5.0L and 5.7L carbureted	AC 41-932	33-884019	1.14 mm (0.045 in.)
	4.3L, 5.0L, 350 Mag and MX 6.2 MPI	AC 41-932	33-884019	1.5 mm (0.060 in.)
	Black Scorpion and MX 6.2 Black Scorpion	AC 41-932	33-884019	1.5 mm (0.060 in.)
	8.1L/496 Mag and HO	AC 41-983	33-863622001	1.5 mm (0.060 in.)

Production Years	Engine (Sterndrive, Inboard, Ski)	OEM Spark Plug	Mercury Part Number	Gap
After April 2006	3.0L	AC MR43LTS	33-862029	1.14 mm (0.045 in.)
	4.3L. 5.0L and 5.7L carbureted	AC 41-993	33-884019001	1.14 mm (0.045 in.)
	4.3L, 5.0L, 350 Mag and MX 6.2 MPI	AC 41-993	33-884019001	1.5 mm (0.060 in.)

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Production Years	Engine (Sterndrive, Inboard, Ski)	OEM Spark Plug	Mercury Part Number	Gap
	Black Scorpion and MX 6.2 Black Scorpion	AC 41-993	33-884019001	1.5 mm (0.060 in.)
	8.1L/496 Mag and HO	AC 41-983	33-863622001	1.5 mm (0.060 in.)

- AC 41-932 spark plugs (P/N 33-884019) will be replaced by AC 41-993 spark plugs (P/N 33-884019001). The spark plugs are fully interchangeable. Serial number breaks have not been recorded.
- Follow these guidelines for the correct spark plugs for carbureted MerCruiser engines:
  a. MerCruiser 4.3L, 5.0L, and 5.7L carbureted engines are shipped new with platinum AC 41-932 (P/N 33-884019) spark plugs, soon to be superseded by AC 41-993 (P/N 33-884019001).
  b. The recommended service replacement spark plugs for these engines are non-platinum AC MR43LTS (P/N 33-884019) or NGK BPR6EFS (P/N 33-816336).
  c. MerCruiser carbureted engines require a spark plug gap of 1.14 mm (0.045 in.).
  d. Mercury platinum spark plugs have a gap setting of 1.5 mm (0.060 in.). To reduce the possibility of installing the platinum spark plugs with the incorrect spark plug gap, the non-platinum spark plug is the recommended service replacement.
  e. The use of AC 41-932 (P/N 33-884019) or AC 41-993 (P/N 33-884019001) platinum spark plugs in a MerCruiser 4.3L, 5.0L, or 5.7L carbureted engine is acceptable if the spark plug gap is set at 1.14 mm (0.045 in.).
- Always check the spark plug gap before installing any new spark plug.
- In some owner's manuals, the AC 41-993 spark plug used in 496 and 8.1L engines was incorrectly listed as the appropriate spark plug for 4.3 MPI, 5.0 MPI, 350 Mag MPI, and MX 6.2 MPI engines. The heat range and the thread length of these spark plugs are correct. The firing tip on the AC 41-983 is longer and extends slightly deeper into the combustion chamber than the correct AC 41-932 (now being replaced by AC 41-993) spark plug. While the AC 41-983 is not the recommended spark plug, its use will not harm the engine or its performance.

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