



TECH TIPS

Dixie Part Numbers: MS-694 206-04101

Applications: 1993 – 1994 Mercury Marine Sport Jet 90

Conditions: The operator of the vehicle may complain of one or more of the following conditions:

- The starter pinion does not engage.
- The starter does not spin.
- The starter spins and then immediately disengages.
- The charging system is not functioning and the stator is burnt.

Cause: The manufacture has upgraded the starter to one with stronger magnets as the factory installed starter was underpowered for the application. In addition there were corrosion issues with the starter shaft and operators cranking the starters for longer then the 10 second period or without allowing for the starter to cool down prior to attempting restarting the engine.

There was a manufacturing flaw in the original voltage regulator that would allow the regulator to overcharge and burn the stator.

Correction: Follow the manufacturer's recommended procedures when replacing the starter, which include training the customer to ensure that the shaft is periodically coated with silicone spray to prevent corrosion.

The factory installed voltage regulators should be upgraded to the ones noted below available from the manufacturer:

With ring style connectors (S/N 0E9675 though 0E033710): 815279T 3

With bullet style connectors (S/N 033711 through 0E066619): 815279T 5

If the stator has been damaged it will need to be replaced with 8778A29