

Voltage Regulator V-6

Mariner and Mercury

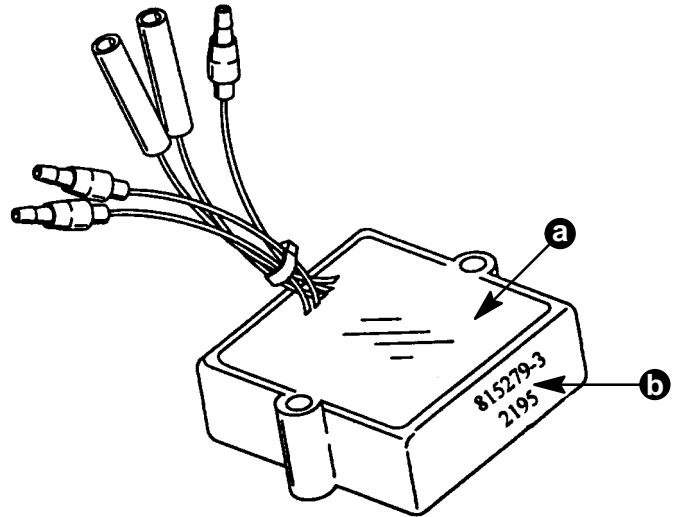
1995 and 1996 135 - 200 HP Models
S/N OG303947 thru OG384957

1995 and 1996 150 - 225 Pro-Max and Super-Magnum
S/N OG205395 thru OG367631

A condition has been identified on some voltage regulators (p/n 815279T) that could allow the 12 volt starting battery to become overcharged. Overcharging will cause the boat's voltmeter, if so equipped, to read above 14.8 volts, and can result in loss of battery electrolyte with reduced electrical capacity of the battery.

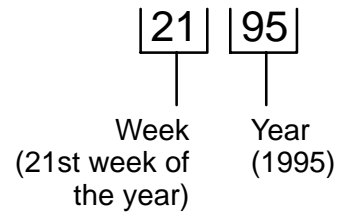
High battery voltage to the Electronic Control Module (EFI Models only) can cause rough running due to a rich condition, normally experienced at lower engine RPMs. Also the high voltage can prevent the electric fuel pump from operating. Electric fuel pumps with this condition will normally stop operating at higher engine RPMs. When the electric pump stops the fuel pressure will drop and engine will stall. By the time the boat comes to a stop and the control handle is returned to neutral, the engine will restart without difficulty. The high battery voltage will not cause permanent damage to the ECM or electric fuel pump.

This condition only affects V-6 voltage regulators that have date codes 1895 thru 4895. Other model outboards that use the 815279T voltage regulator are not affected because of their reduced charging capability.



- a - Voltage regulator
- b - Part number and date code location

Date code explanation



DEALER SERVICE PARTS STOCK:

The 815279T voltage regulator will be superseded to P/N 815279--5 for use on all models.

NOTE: The 815279T voltage regulator has part number 815279 -3 stamped on the part. The 815279--5 voltage regulator has part number 815279-5 stamped on the part.

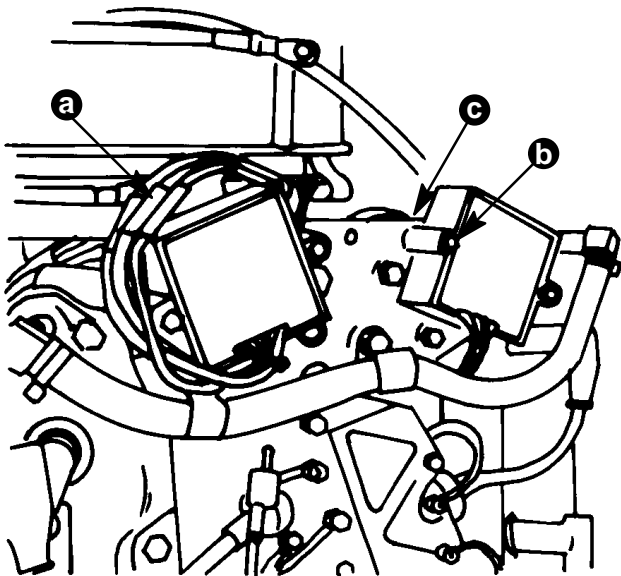
- 815279T voltage regulators with date codes before 1895 can be used on all model outboards.
- Dealer inventory of 815279T voltage regulators with date code later than 1895 can be used on all model outboards except V-6.
- Dealers can return 815279T voltage regulators with date codes 1895 thru 4895 intended for use on V-6 outboards for credit with a warranty claim. Reorder voltage regulator 815279--5.

CORRECTIVE ACTION REQUIRED:

If failure of a 815279T voltage regulator between date codes listed above is experienced replace both 815279T regulators on the engine.

Removal of voltage regulators:

1. Disconnect 2 YELLOW leads, 2 RED leads and GRAY tach lead (if connected) from respective bullet connectors (a). Retain bullet connector plug from the gray lead on the port regulator. Remove 4 locknuts and regulator retaining screws from mounting plate.



- a - Bullet Connectors
- b - 4 Locknuts (Hidden)
- c - 4 Voltage Regulator Retaining Screws

2. Remove voltage regulator(s) from powerhead.

Installation of voltage regulator/s:

1. Position regulators on mounting plate and retain with 4 locknuts and screws. Tighten screws to a torque of 80 lb. in. (9.0 N·m).
2. Connect YELLOW, RED and GRAY (as required) leads to their respective bullet connectors. Insert bullet connector plug into gray lead on port regulator.
3. Secure electrical leads with stay straps (not provided).

WARRANTY:

Voltage regulators P/N 815279T within the date codes listed above used on V-6 outboards will be covered by special warranty for three (3) years from the original date of sale. No warranty approval is needed for regulators within the above listed date codes within the special three (3) year warranty.

Complete a warranty claim listing:

- Outboard serial number
- Quantity 2 p/n 815279T voltage regulator
- One hour (1.0) hour labor
- Flat rate code OE30
- Flat rate code (Pro-Max and Super Magnum only) HE31
- Failure code 330-00

US & CANADA - Tag and hold parts for 60 days after the warranty credit is received.

INTERNATIONAL - Hold parts for inspection/disposal by a Marine Power International technical representative.