

WARRANTY INFORMATION SERVICE INFORMATION

Resetting Throttle Stop Screw

Models Affected

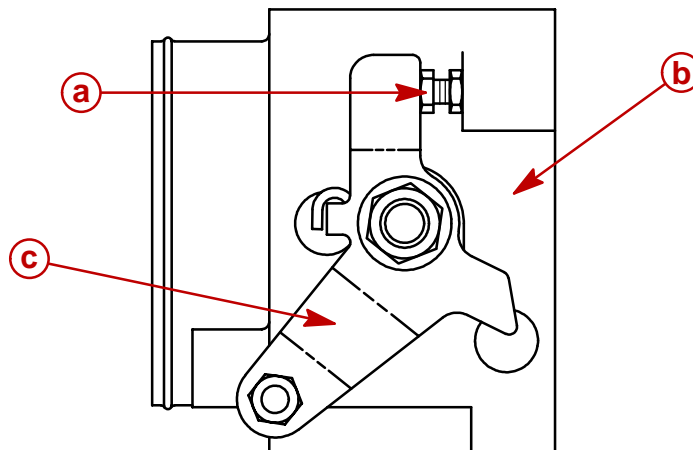
Mercruiser Hi-Performance 500 EFI
Serial number **0L001496 and up**.

Problem

The throttle stop screw on the throttle body can be mistaken for an idle adjustment screw.

IMPORTANT: The throttle stop screw has been pre-set at the factory. Do not use the throttle stop screw for idle adjustment.

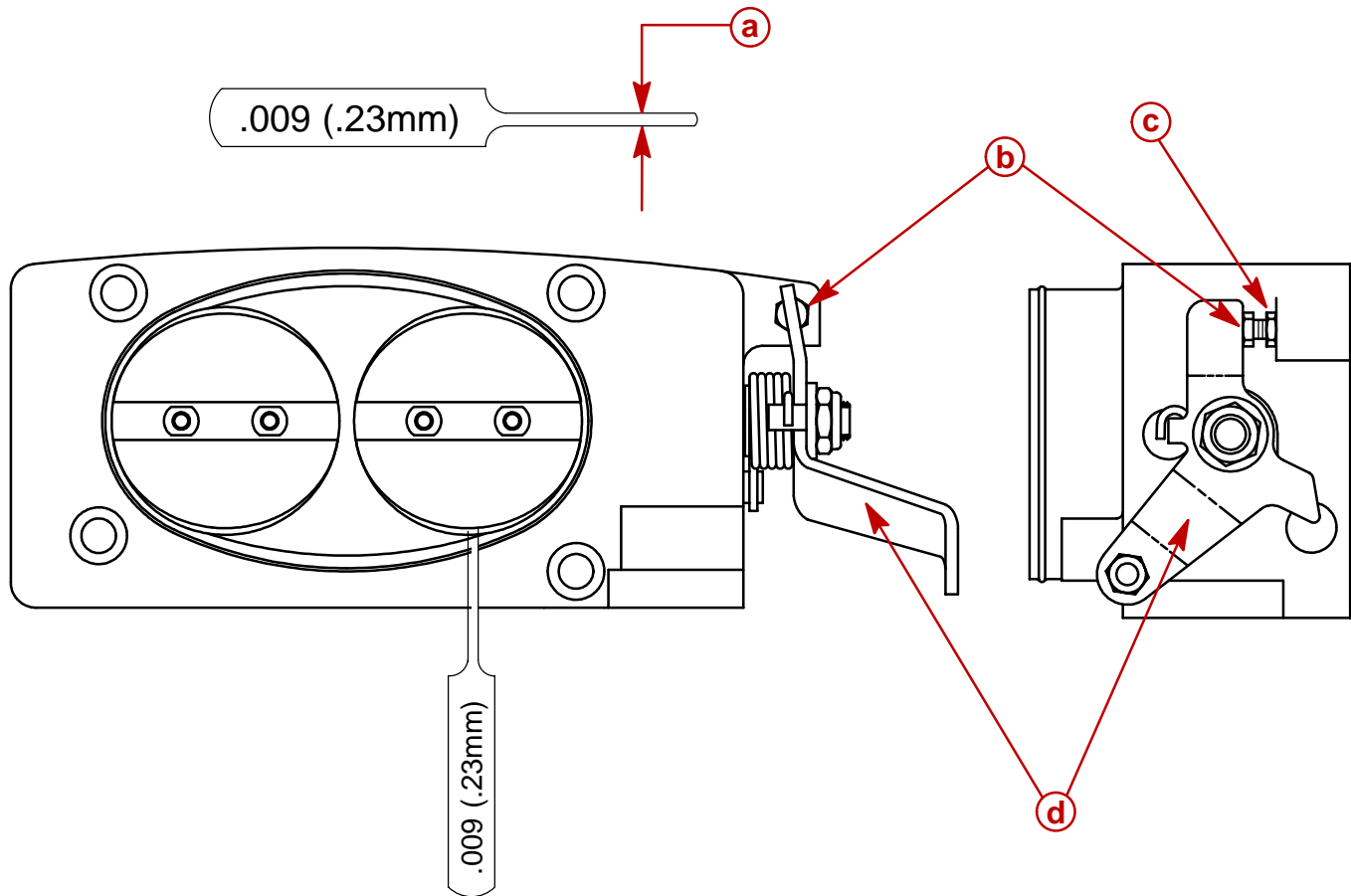
The idle speed is controlled by the Electronic Control Module (ECM).



- a** - Throttle Stop Screw
- b** - Throttle Body
- c** - Throttle Lever

Procedures For Setting Throttle Stop Screw If Disturbed:

1. Disconnect throttle cable from cable end guide.
2. Remove flame arrestor.
3. Use a modified .009 (.23mm) feeler gauge with a blade not wider than 1/8" (.125mm) to set the throttle plate opening.
4. Loosen jam nut on throttle stop screw and adjust screw to set gap at .009 (.23mm). Ensure that throttle lever contacts throttle stop screw.
5. With gap set and screw adjusted, tighten jam nut to secure throttle stop screw.



- a** - Maximum Blade Width 1/8" (.125mm)
- b** - Throttle Stop Screw
- c** - Jam Nut
- d** - Throttle Lever (Should Make Contact with Throttle Stop Screw)

Throttle Cable Installation & Adjustment

1. Re-install throttle cable (refer to installation manual 90-840217 for installation).
2. Connect Digital Diagnostic Tester (DDT) (91-823686A2) and cartridge (91-803999) to engine.
3. Return remote control throttle lever to idle position. Ensure that throttle lever contacts throttle stop screw. The Throttle Position (TP) should read 0%.
4. Place remote control throttle lever in the Wide-Open-Throttle (WOT) position. With the throttle shutters completely open, the (TP) should read 100%.
5. Re-install flame arrestor.