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DTS Outboard Configuration

Models Affected

Models Covered	Serial Number
Verado L-6 200 through 275 HP	S/N 1B390143 and Above
Verado L-4 135 through 175 HP	S/N 1B390143 and Above
DTS OptiMax 200/225 HP	S/N 1B417702 and Above

Situation

It has been a recommended practice that after the Digital Throttle and Shift (DTS) system has been configured, and handle adaptation completed, that the shifting and throttle operation be checked and tested prior to starting the engine.

Correction

With the ignition key in the "ON" position, and while monitoring the Computer Diagnostic System (CDS) data screen, the shift and throttle handles are moved to the forward or reverse wide open throttle position.

The data screen on the CDS should show 100% shift and throttle operation if the configuration and handle adaptation was successful. At the same time, the shift actuator should be heard moving the shift linkage in and out of gear.

The above listed outboards built after the end of 2006 production will NOT shift into forward until a crank position signal is seen by the PCM. The CDS data screen will still display 100% shift and throttle operation into forward, but the shift actuator will NOT shift the engine into forward. The PCM ignores the command from the command module and does not shift into forward. The unit should shift into reverse and back into neutral but not forward. Once the engine is started and a crank position signal seen by the PCM, the engine should shift normally.

This will apply to the above engines when using either P/N 891661T05 or 891661T06 command modules. The software that does not allow shifting into forward gear is in the engine PCM, not the command module.

A 2006 command module P/N 891661T05 will operate the above listed engines but is not recommended because it will NOT have any of the newer DTS features.

NOTE: The 2006 command module will have P/N 891661005 on the module label/sticker.

NOTE: Command module recommended for the above listed engines will have P/N 8M0011094 on the module label/sticker.

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