

SERVICE BULLETIN

GOVERNOR SPRING IDLE ADJUSTMENT

NO. 21

DATE: 11/15/2018

RE: ALL VANGUARD V-TWIN ENGINES

PROBLEM: Engine dies when applying load at idle.

CONDITION FOUND: Governed idle spring needs adjusting.

SOLUTION: Follow the procedure below to adjust the governed idle spring. You must have a tachometer to do this procedure.

With the engine hot and out of the water, push on the Governor arm and make the idle stop screw touch the tab on the throttle shaft. Set the RPM at 1200 with the screw touching. Now walk behind the engine on the left side looking forward and find the small governed idle spring that attaches to a vertical metal tab on one end and attaches to the governor arm on the other end. Bend tab and set RPM at 1250 with hands off engine. If you bend tab to the left it will increase the RPM with more tension on the spring. If you bend it to the right, you will decrease the idle RPM. If 1250 is higher than you would like, set it at 1100 and 1150.

Reminder, these settings are done out of the water and the engine will idle lower in the water.