

Yamaha Installation and High Idle RPM adjustment

Visit the following link to see a video addressing this issue.

<http://perfectpass.com/?q=videos>

When the Perfectpass installation is completed, the potentiometer (throttle) should be inspected. In neutral turn the servo motor dial clockwise until snug. The pivot arm should stay stationary at the back pressed against the bracket. The potentiometer should remain in the proper dead idle stop location. If the pivot arm moves and the "Pot" opens from the dead idle position, the engine(s) will experience a higher than normal idle RPM. Adjustments of the cable are required so that when the black dial is snug clockwise, the pivot arm and "Pot" stay at dead isle. See figure 1 & 2 or 4, 5 & 6 for mechanical throttle.

If there is a gap on the potentiometer out from dead idle, you will need to adjust it back to the proper idle location. Changes to the throttle position can be made at the Cable Tension Adjuster. You can also make minor adjustments to the cable position at the brass "L" which can be moved along the threaded section. In some cases this brass "L" adapter can be rotated 180 degrees to help gain additional distance for the adjustment. See figure 1 & 2 or 4,5 & 6 for mechanical throttle.

Upon power up, Perfectpass will perform an "Auto Tighten" check and will attempt to tighten the servo motor dial clockwise. If there is a gap, it will open the throttle at the "Pot" and increase the idle RPM. See figure 2 & 7.

Figure 7 shows the pivot arm out of position. The brass "L" can be moved along the threaded cable until pressed against the bracket.

Figure 1

Servo motor dial

Brass "L"

Pivot Arm

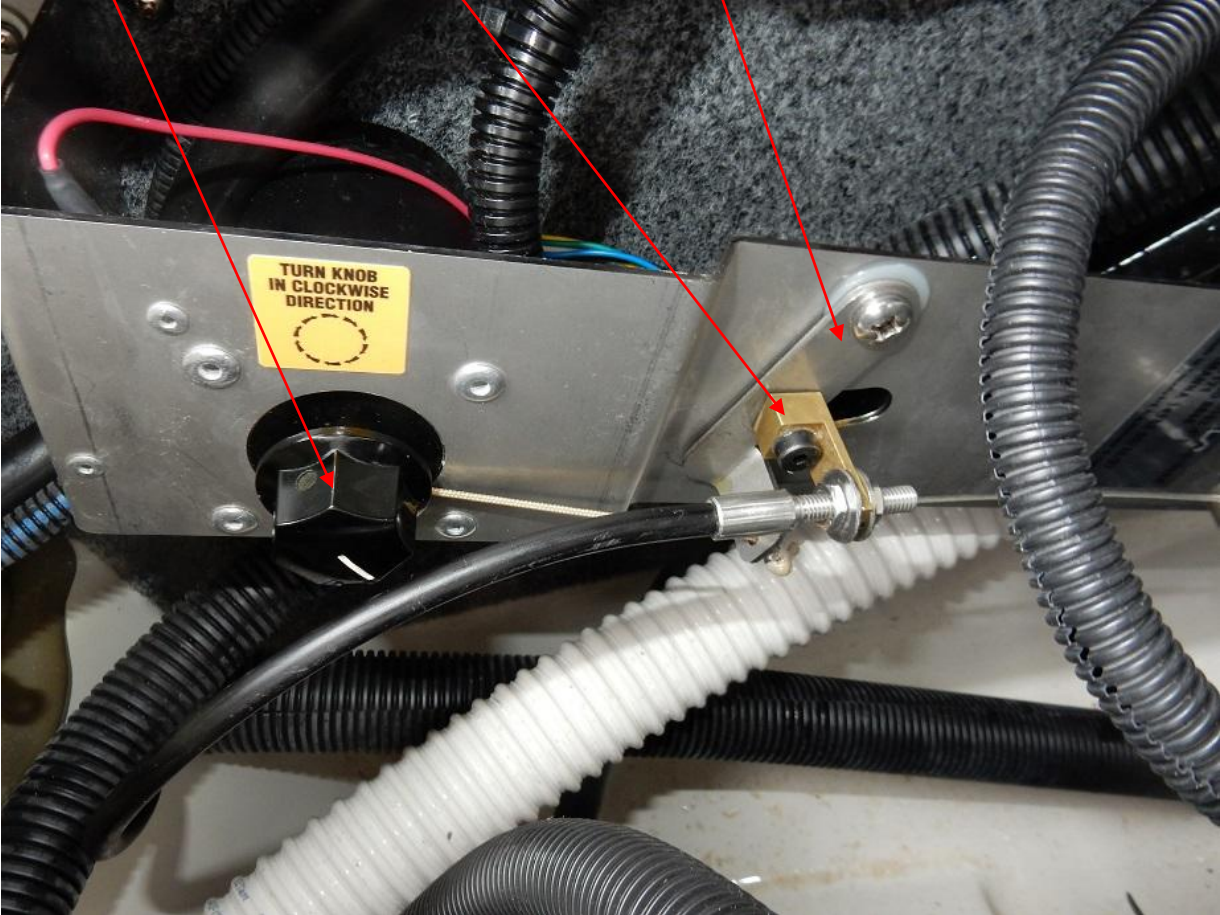


Figure 2

Cable tension
Adjuster

Potentiometer

Idle stop

Proper idle location
Make sure there is no gap here

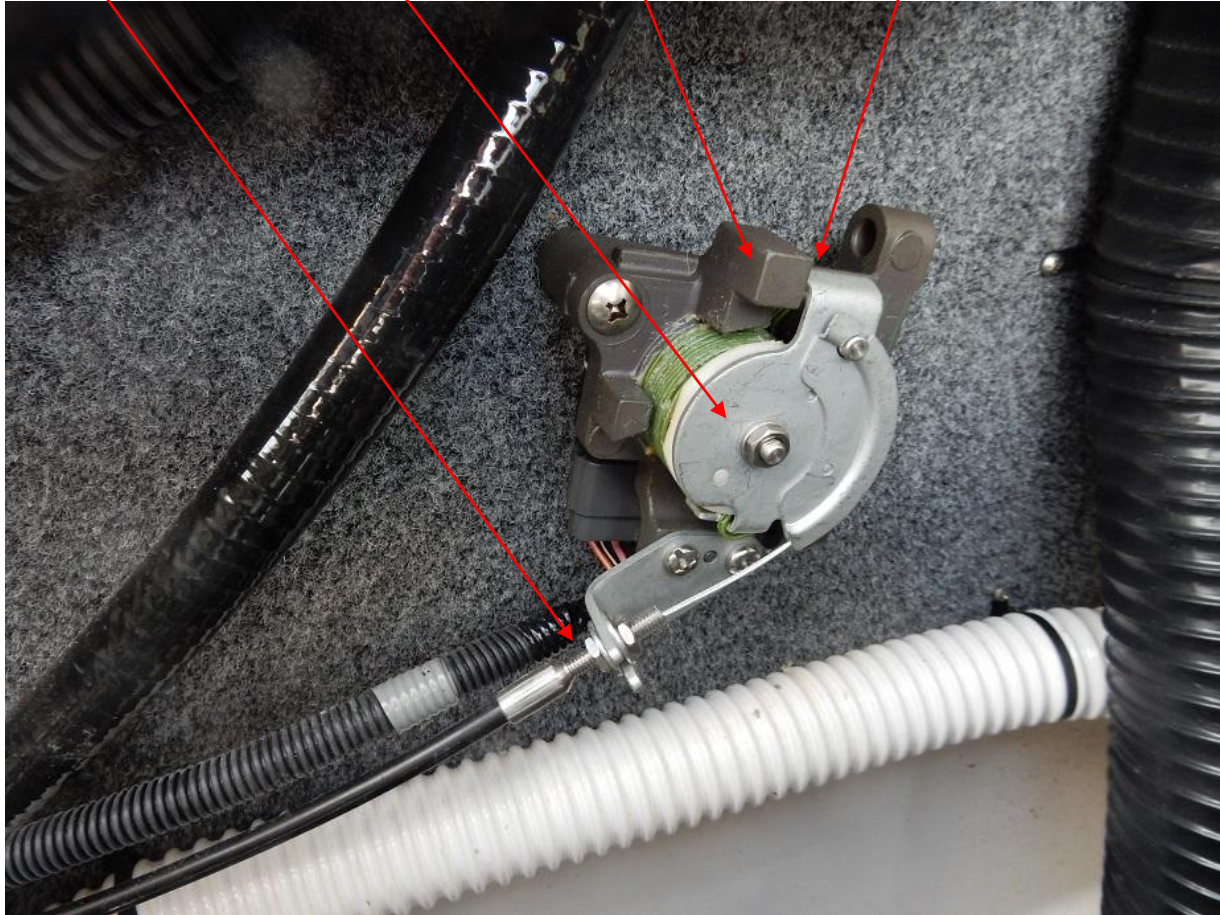


Figure 3

Potentiometer

Cable Tension Adjuster

Pivot Arm

Brass "L"

Servo Motor Dial

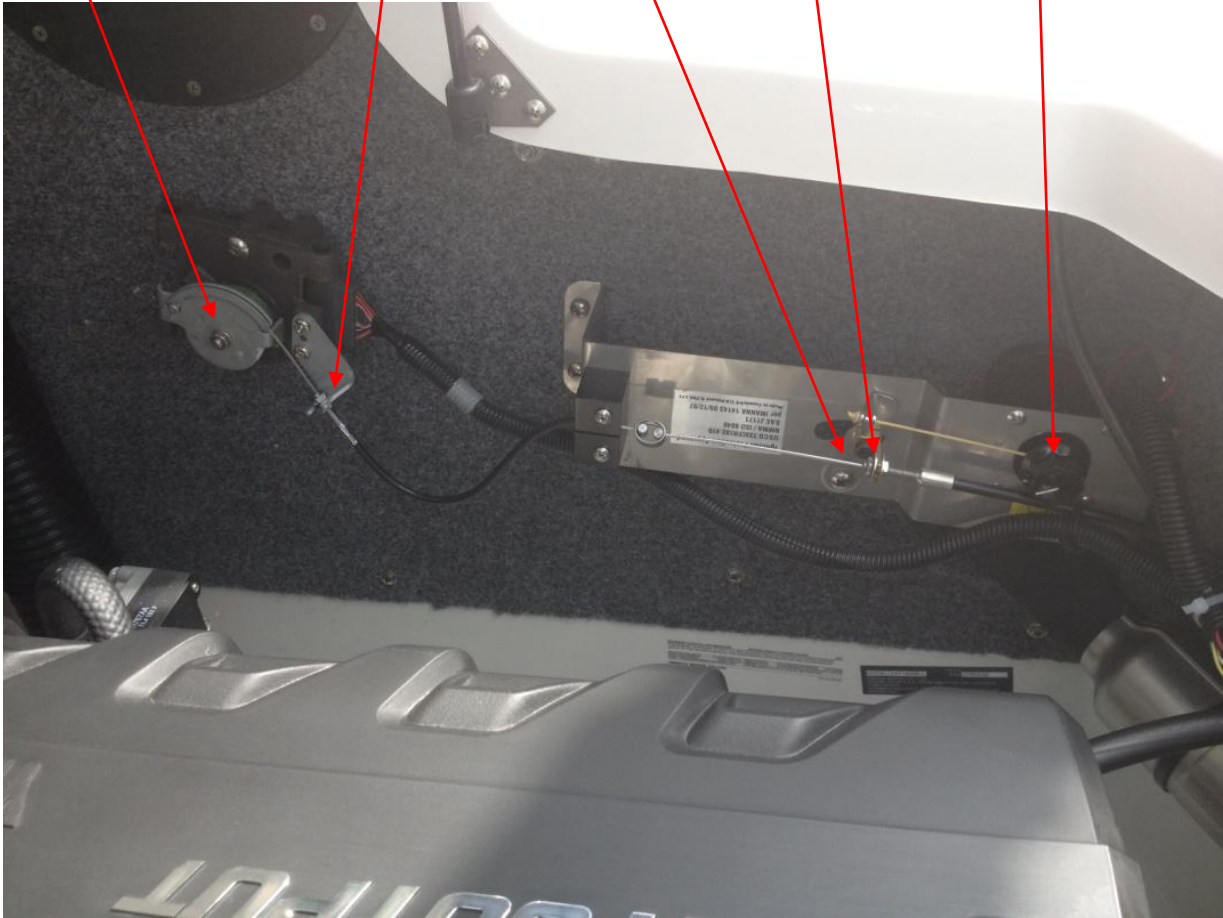


Figure 4 (Mechanical Throttle)

Servo Motor Dial

Throttle

Cable Tension Adjuster

Pivot Arm

Brass "L"

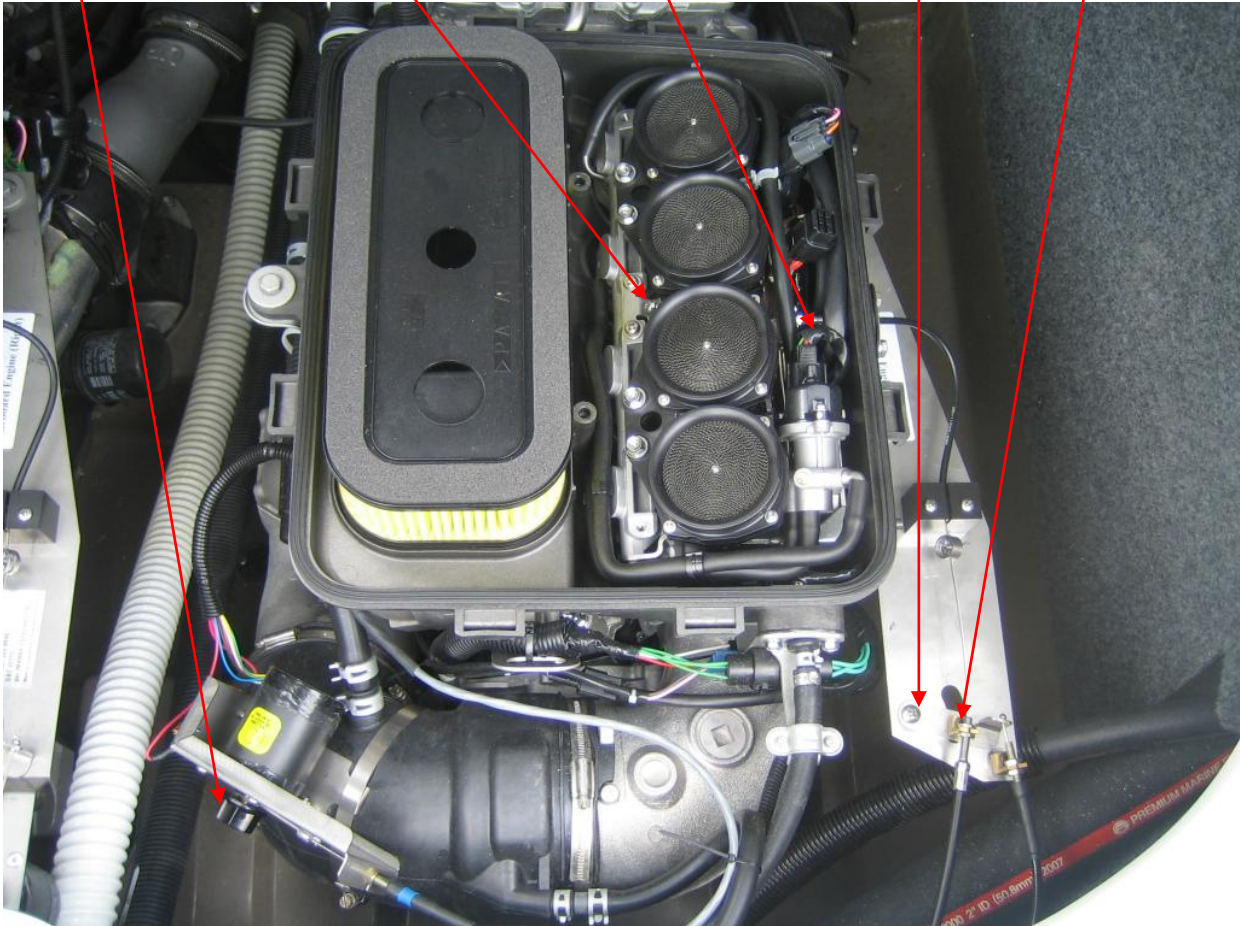


Figure 5 (Mechanical Throttle)

Cable Tension Adjuster

Throttle

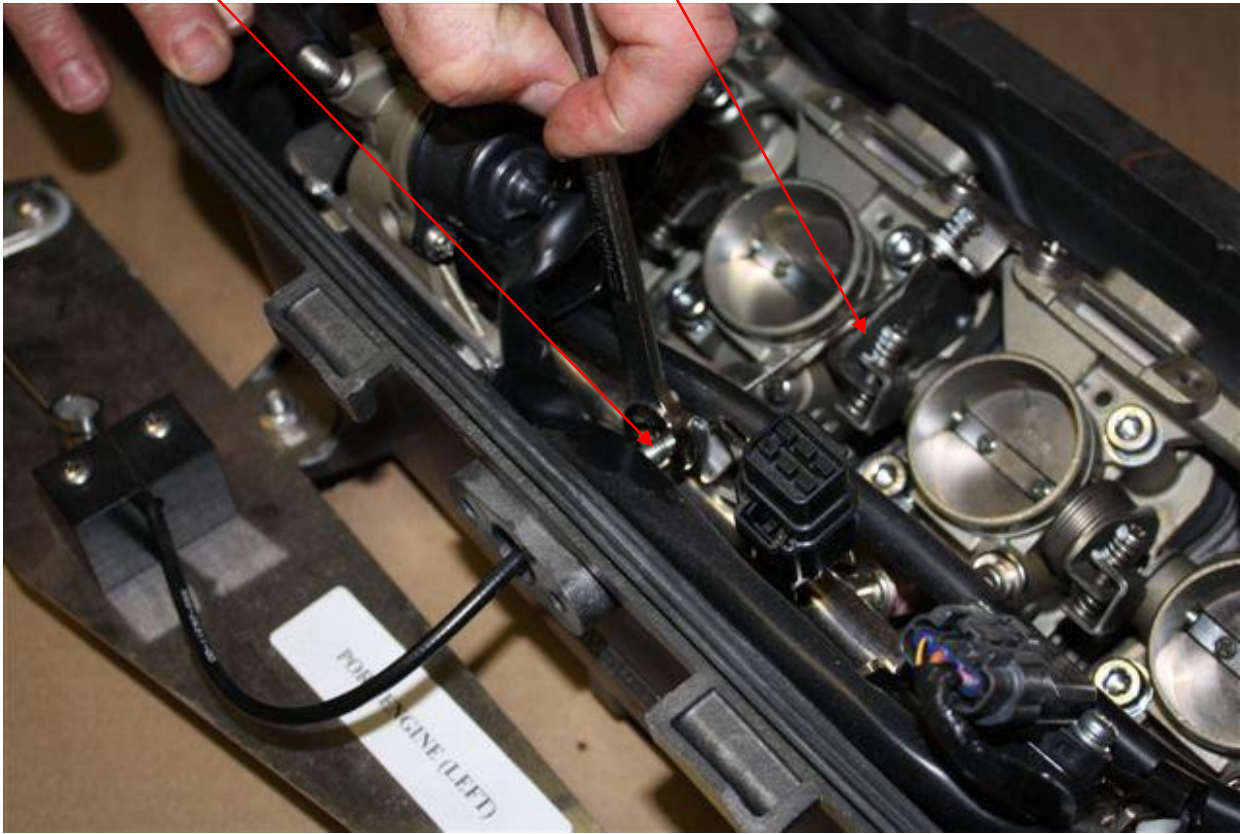


Figure 6 (Mechanical Throttle)

Cable Tension Adjuster

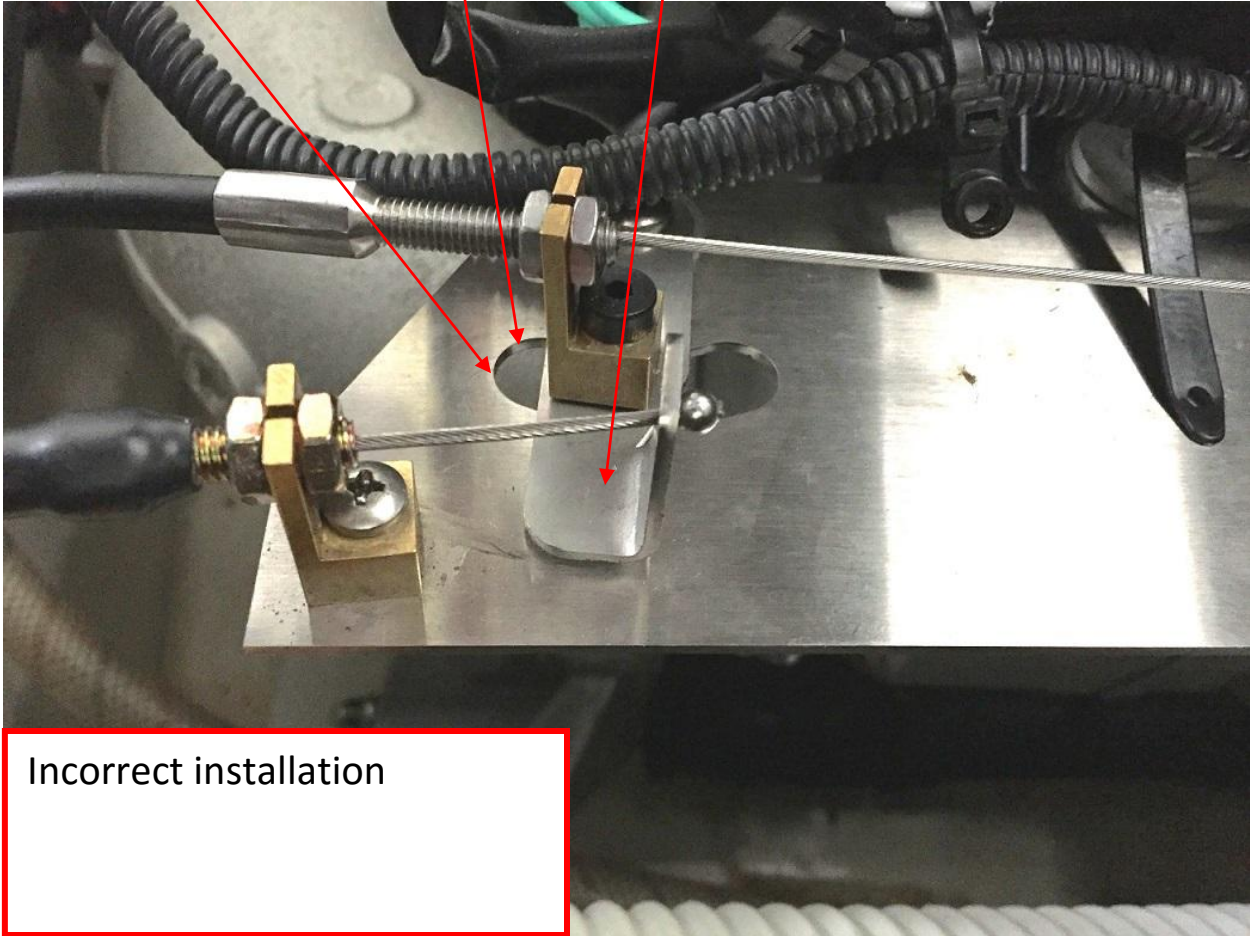


Figure 7 (Mechanical Throttle - Pivot arm out of position)

Proper idle location
of pivot arm

Gap

Pivot arm



Incorrect installation