

Reverse Gate Adjustment - Sport Jet 175 XR²

Models Affected

All Sport Jet 175 XR² Models

We have received reports from the field of failed reverse gate stops. Review of these failures indicate the cause was due to improper adjustment of the shift cable. If the lower edge of the reverse gate is not 3/8" (9.5 mm) to 1/2" (12.7 mm) above the edge of the steering rudder after removing the shift cable slack in the forward position, damage to the stops and reverse gate may occur.

⚠ WARNING

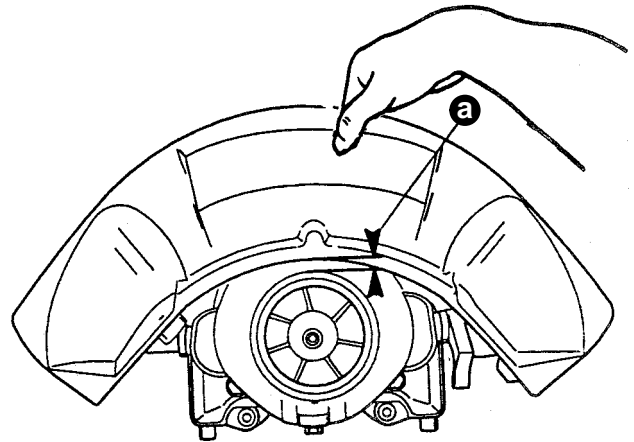
The shift cable must be adjusted correctly so that the reverse gate does not interfere with water flow coming out of the rudder. If the reverse gate hangs down into the water flow, a vibration may be felt in the control box. If this occurs, reduce throttle immediately and readjust the cable. Improper adjustment may result in pump damage including loss of the reverse gate. Failure to properly adjust the shift cable could result in loss of neutral and reverse, property damage, personal injury or death.

CORRECTION

Shift cable adjustment should be checked with the boat removed from the water and on a trailer or suitable dolly. It is not necessary to run the engine or boat to diagnose an incorrectly adjusted shift cable.

This check is recommended to be performed as a part of the predelivery inspection and each time the boat is brought in for service.

To check shift cable adjustment, first shift the remote control lever into the forward position. Apply a light downward pressure on the reverse gate until all slack is removed from the shift cable. While maintaining the downward pressure to remove the cable slack, measure the distance between the lower edge of the reverse gate and the upper-most portion of the steering rudder (dimension "a" in figure below). This dimension should be between 3/8" (9.5 mm) to 1/2" (12.7 mm). If the clearance is less than 3/8" (9.5 mm), readjust the shift cable as outlined in the installation manual (P/N 90-10164970) or the service manual (P/N 90-852396).



a - 3/8" (9.5 mm) to 1/2" (12.7 mm)

If the clearance is within the specification, check the reverse gate forward stop adjustment.

If the cable slack is not sufficient to allow the reverse gate to move, adjust the forward stop to allow the specified movement. Refer to the installation or service manual for complete instructions.

WARRANTY

Mercury Marine will not honor any warranty for parts or labor which are the result of improper adjustment of the reverse gate/shift cable.