11.6 - 12 V
0 - 400 mV

A : Incorrect
B : Correct

Speed sensor
1. Check:
   ● Speed sensor output voltage and pulses
     Out of specification → Replace.

	Speed sensor output voltage (dependant on the paddlewheel position): Less than 400 mV/11.6 - 12 V **Output pulse:** 2 pulses/one-full turn

Checking steps:
● Apply DC voltage (12 V) to the white three-pin connector (between the red/white and black leads).
● Rotate the paddlewheel by hand and measure the voltage between the black and yellow leads.
NOTE: _____
As the paddlewheel is rotated, a square-wave voltage signal ⓐ is produced.
_____

● Two pulses occur everytime the paddlewheel makes one-full turn.

2. Replace:
   ● Speed sensor ①

Replacement steps:
● Remove the two nuts ②.
● Replace the speed sensor and finger tighten the nuts.
● Adjust the paddlewheel by moving it up so it is within 1 mm (0.04 in) ⓐ from the bottom of the hull as shown.
● Hold the paddlewheel so its position does not change and then tighten the two nuts.
NOTE: _____
If the leading edge of the paddlewheel protrudes below the hull, the speedometer will display a lower than actual speed. Therefore, trim the leading edge of the paddlewheel no more than 1 mm (0.04 in).
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