

	Troubleshooting Guide: RPM Speed Reading
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Symptom	Possible Cause	Test Procedure	Repair
No RPM shown on the console	Bad connection between console cable and console	• Check the connection between the console cable and the console	
	Damaged console cable	• Inspect the console cable checking for any kinks, pinches or other types of damage to the cable	Replace the console cable
	Speed sensor wire is damaged or not working	• Check the connection of the speed sensor wire at the ECB motor • Inspect the speed sensor wire for any kinks or pinches • Check speed sensor continuity – see the steps on page 2	Replace the speed sensor
	The magnet is not present on the drive pulley	• Verify the presence of the magnet on the drive pulley • Adjust the gap between the speed sensor and the magnet on the pulley. It should be within 5mm	Replace the magnet on the pulley
	The console is defective		Replace the console
Actual RPM does not match value shown on console	Some models ¹ have updated software that corrects RPM reading issues.	Check the Service Bulletin section on the product page.	Reference solution in service bulletin.

¹ Applicable models: A30-02, A30-03, S7100-03/04, LS10.0E-02/C2, LS13.0E-02/C2, LS15.0E/C1, 3.3AE, 5.3AE, 5.9AE, 6.2AE, 7.2AI, 7.3AE, EX79-02, Endurance 5-03, Elite E7, and Elite E9.

RPM Speed Sensor Continuity Check

All Models except the 1.2E

1. Turn your multi-meter setting to Ohms.
2. Remove the console and disconnect the console cable.
3. Put one lead into the purple pin (P1) and the other on the yellow pin (P7). Turn the crank to produce an RPM in order to get continuity through the sensor wire.

1.2E Only

1. Turn your multi-meter setting to Ohms.
2. Place the positive lead of your multi-meter on the tip of the sensor wire jack and the negative lead on the outside of the sensor wire jack.
3. Turn the crank to produce an RPM in order to get continuity through the sensor wire.

