



Customer Service Bulletin Commercial Business Group

Multi Pro[®] 1200 or 1250

June 15, 2002

<u>Model/Serial Range:</u>	<u>Model Numbers:</u>	<u>Serial Numbers:</u>
	41106	200000101-220099999
	41107	210000999-220099999

Subject: Flowmeters that are inoperative or inaccurate can be serviced.

Flowmeter (100-6900) can become inoperative or inaccurate for various reasons. Some of those reasons are, but are not limited to: Rotor (100-6919) or Rotor Shaft (100-6906) damage from corrosive, abrasive, or coagulated chemicals. Rotor magnets may become damaged by impact or incorrect handling and can pickup small particles of metal present in chemicals and then become inoperable.

Note: Toro sprayers work well in the majority of applications and environments. It is virtually impossible to engineer components that are tolerant of all applications and chemicals. Precautions should be taken by the operator to ensure that the sprayer is properly rinsed out and maintained according to Toro's required procedures. Damage may occur to plumbing components and equipment due to the corrosive effects of various chemicals, especially if left in a sprayer after use.

Flowmeters that become inoperable or inaccurate due to a damaged Rotor (100-6919) or Rotor Shaft (100-6906) should be cleaned or repaired rather than replaced as an assembly. Refer to the instructions below for repair procedures.

Flowmeter inspection and repair

Caution: Sprayer equipment may contain harmful chemicals. Ensure the equipment has been triple rinsed with a neutralizer prior to attempting any repair. Wear protective clothing as prescribed for the chemical previously sprayed whenever servicing a sprayer.

1. Inspect the rotor by removing the flowmeter from the Spray Control Manifold. With the wires attached and the key on, spin the rotor slowly. The LED embedded in the top of the flowmeter should flash as every other magnet passes the body of the flowmeter.
2. If the LED does not light, remove the Rotor. Using a separate magnet, with a north/south pole, test the flow meter body. With the wires attached and the key on, pass the magnet across the center portion of the flowmeter body in the area where the Rotor is contained. If the LED lights, replace the Rotor and Rotor shaft.
3. If in step two the LED does not light, then replace the Flowmeter assembly.
4. Reinstall the flowmeter into the Spray Control Manifold.

Note: Use caution when reinstalling a flowmeter. It will read incorrectly if the locating pin is not placed in the locating hole as the flowmeter is being reinstalled.