



Subject :		Bulletin No : TB/WB/04/21	
Technical bulletin for grounding the voltage spikes at SMPS		Date : 01-08-2021	
		Bulletin circulated on : 13-08-2021	
Product Name : Wheel Balancer-LCV&HCV		Model : Video & Digital	
Assembly :		Sub Assembly :	
Compulsory Update : <input checked="" type="checkbox"/>		Optional Update : <input type="checkbox"/>	
Part Description :		Part Code. :	
Hardware Changes <input checked="" type="checkbox"/>	Software Changes <input type="checkbox"/>	Firmware Changes <input type="checkbox"/>	

Details

This technical bulletin explains the importance of combining the **DC ground pin with the earth pin** in the Switch Mode power supply (SMPS). Implementing ground contact in SMPS is to avoid malfunctioning of equipment caused by Electro magnetic interference / noise generated from the AC power / Environment. This modification has been implemented from the machine serial number WB11888

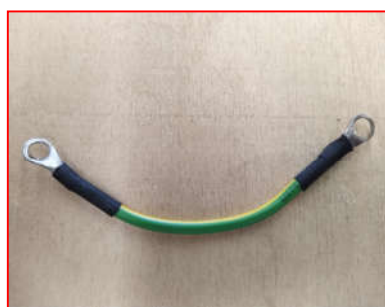


CAUTION

**Make Sure Proper Earthing is provided at AC input Socket.
Voltage across Neutral to Earth should be Less than 3 Volts AC**

Details of modification to be carried out in Field machine:

1. Take a 1.5 sq.mm ground wire, yellow & green color and cut to 70 mm length. Solder the lugs on both sides. Refer the below image for your reference.



Short the DC negative pin **(-V)** with Earth pin  / COM in the SMPS (Applicable for both the models of SMPS represented above) **This could avoid any further power noise / surge issues in wheel balancer and prevent the other electronic boards malfunctioning**

☞ End of bulletin ☞