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Circuit Board Modification – Encoder Filter

Overview: Spurious glitches output by the Bourns encoder (08-03-0250) require additional filters to be added. Affected encoders have a date code of 2144 and later.

Components: 6 x Capacitor – 10nF 06-03-0147 (1206)
 6 x Resistor – 10k 06-01-1311 (1206)

Product(s): Sapphire Touch ST-PPP 1201-7058BA	
Existing Circuit:	<p>The diagram shows three encoder channels labeled WH1, WH2, and WH3. Each channel has a 5-pin connector. The signals are filtered by resistors (R20, R26, R23, R33, R36, R37) and capacitors (C26, C27, C33, C34, C36, C37). Power is supplied by VCC and ground. The diagram is labeled with '6' at the top, 'D' on the left, and 'C' at the bottom left. A 'TRAI' label is at the bottom left, and 'F' is at the bottom right.</p>
Circuit Replacement Location:	<p>Encoder A: 10nF Capacitor replacement at location R20 and R26. 10k Resistor replacement at location C26, C27.</p> <p>Encoder B: 10nF Capacitor replacement at location R23 and R33. 10k Resistor replacement at location C33 and C34.</p> <p>Encoder C: 10nF Capacitor replacement at location R36 and 37. 10k Resistor replacement at location C36 and C37.</p>

