Exhibit AJ

<ivariable label</pre>
<ivariable label</pre>

comment="QSI" item="CV56.1U">

<indexedVal max="128"/> </ivariable>

QSI MATERIALS INCORPORATED INTO JMRI SOFTWARE

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5.8.3 CV 56.10x Speed Step to Scale MPH Scale Factor (PI = 10)

64 Default Value:

Bit 3 23 CV 56.10: Speed Step to Scale MPH Scale Factor Register

Bit 7 Bit 6 Bit 5 Bit 4 7 **D**5 90 2

Document 261-40. Court Doc 237-31, Exhibit AD, page 15 October 2008

> Bit 0 8

> Bit 1 2

> Bit 2 2

Jacobsen

as a function of speed steps. The value of this byte is interpreted as N/64, which means N = 64 is equivalent to a Scale Factor of 1.0. Some examples of Speed Control with different scale factors are: This byte specifies a Scale Factor used with Speed Control to change the amount that smph speed changes

Fastest possible speed at Speed Step 127. 252 smph 126 smph 63 smph Slowest possible speed at Speed Step 2 0.5 smph 2 smph 1 smph Scale Factor 0. 2.0 0.5 64 (0x40) 128 (0x80) 32 (0x20) CV 56.10

Change the Scale Factor when you want a more useful throttle range for an engine under Speed Control. This Scale Factor will have no effect if the engine is under Throttle Control or Regulated Throttle Control.

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 112 Refer to CV 3, CV 4, CV 23 and CV 24 for Inertia Settings.

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