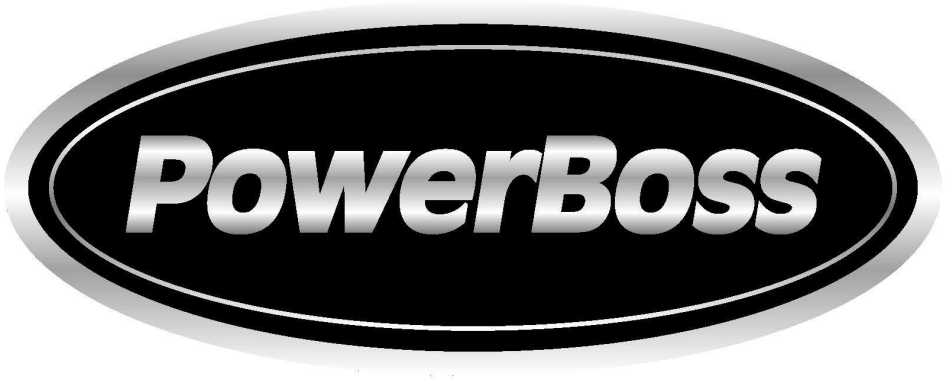
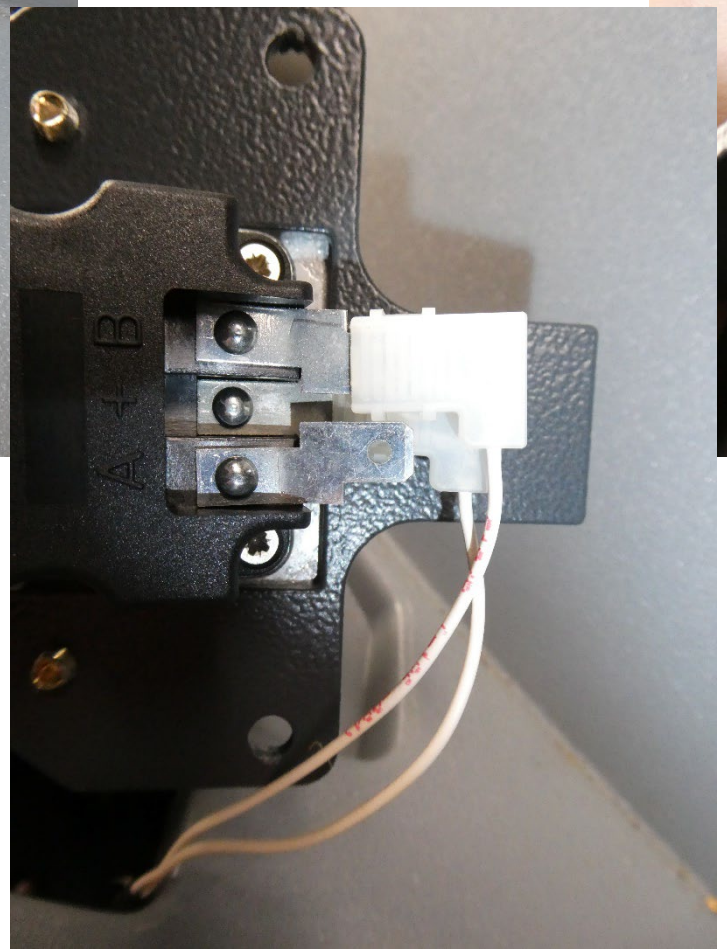


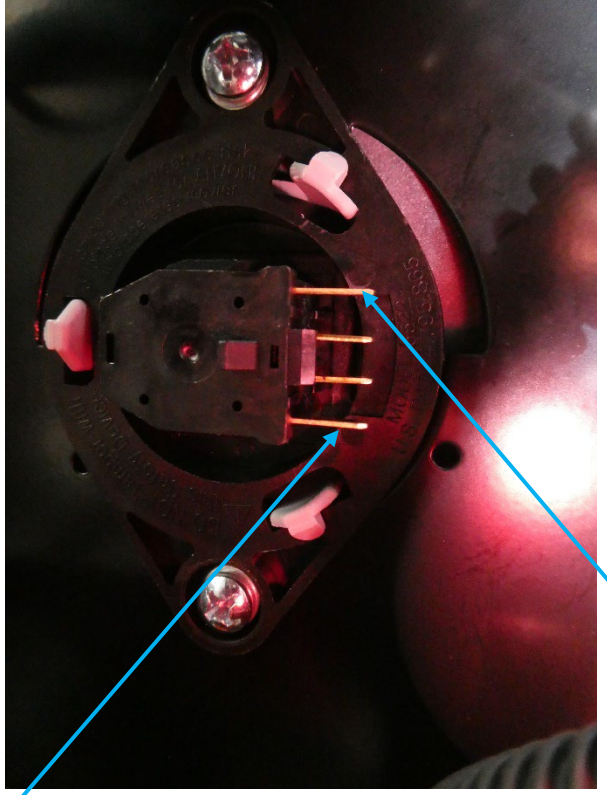
Troubleshooting 14 Flashes On The A04 Drive Controller On Scrubmaster B120R/B175R/B260R Series Scrubber

- A 3.4.1.2 code on the dash along with a 14-flash code on the controller is NOT an error code. It is an interruption in the seat & safety circuits.



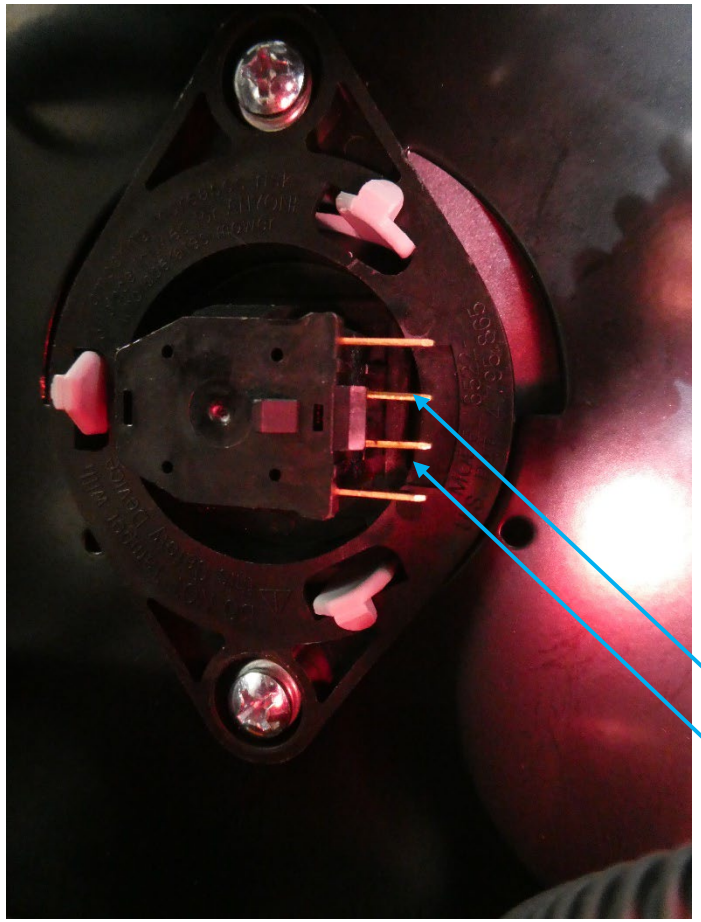
Verify connections on foot brake pedal assembly are intact, correctly installed and in working order. (not shorted or corroded) Verify foot brake pedal assembly is good, the closed circuit has to be seen by the A01 and A04 controllers. Verify you have a closed circuit by measuring between pins P & B.

Locate seat switch
(S05) and remove plug



With switch in static position (not engaged), place Multimeter on Ohm’s. Place probes on the 2 outside tabs, reading should be .OL.

While engaging switch (pressing down), reading should be 0 Ohm’s.



With switch in static position (not engaged), place Multimeter on Ohm’s. Place probes on the 2 inside tabs, reading should be 0 Ohm’s.
While engaging switch (pressing down), reading should be .OL.

For the B120R only

S05 connector

Verify continuity between the following:

Tab 1 of S05 connector to pin 8 of X9 plug of A01 controller

Tab 4 to pin 18 of X9 plug

Tab 2 to pin 3 of X9 plug

Tab 3 to pin 13 of X9 plug

For the B175R/B260R only

S05 connector

Verify continuity between the following:
Tab 1 of S05 connector to pin 7 of X15 plug of A01 controller
Tab 4 to pin 19 of X15 plug
Tab 2 to pin 6 of X15 plug
Tab 3 to pin 18 of X15 plug

For B120R only

Disconnect B plug on A04 Drive Controller and X4 plug on A01 Main Controller and perform a continuity test on the following:

Plug B pin 5 to plug X4 pin 1

Plug B pin 6 to plug X4 pin 5

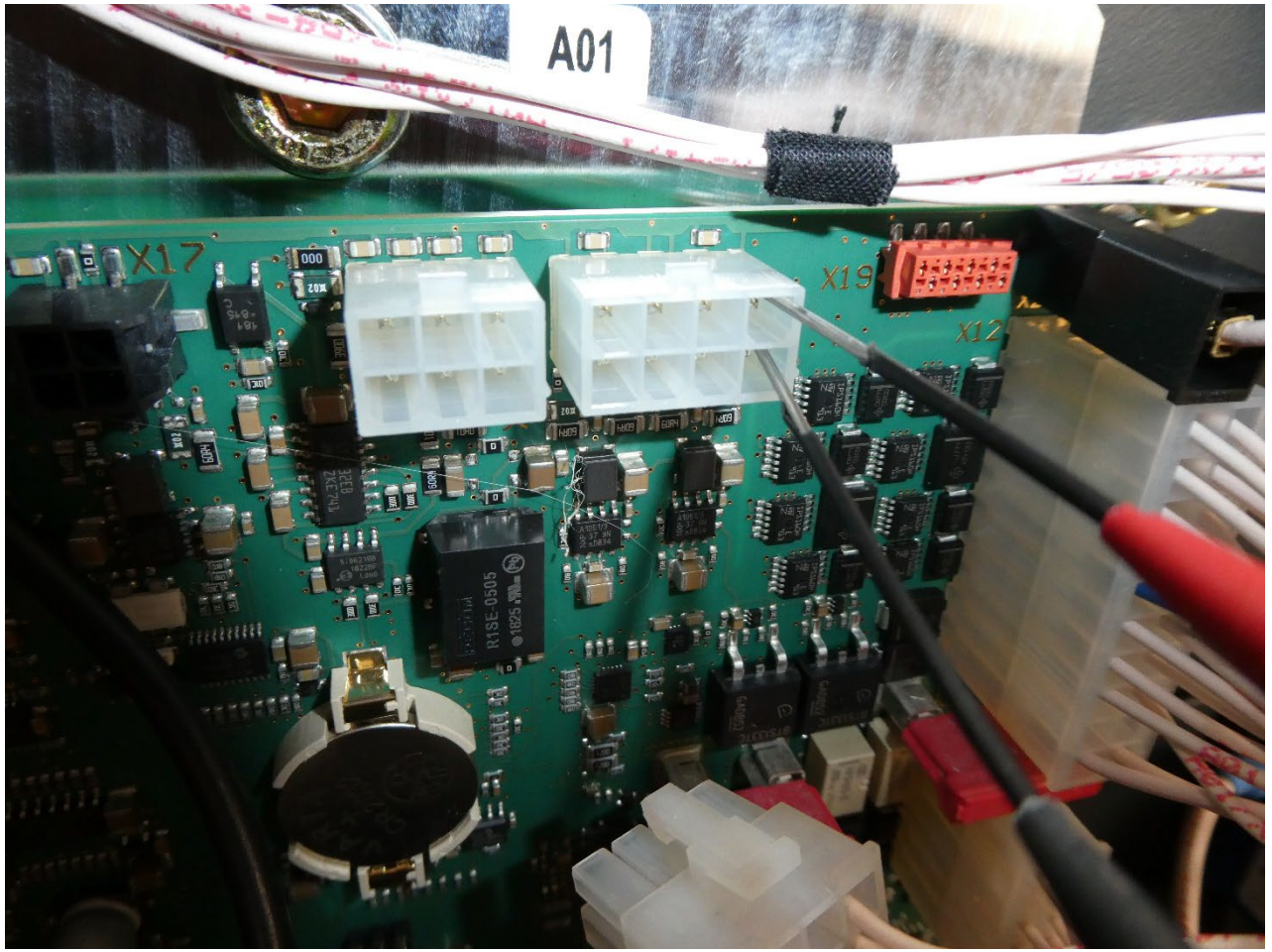
For B175R/B260R Only

Disconnect B plug on A04 Drive Controller and X18 plug on A01 Main Controller and perform a continuity test on the following:

Plug B pin 5 to plug X18 pin 7

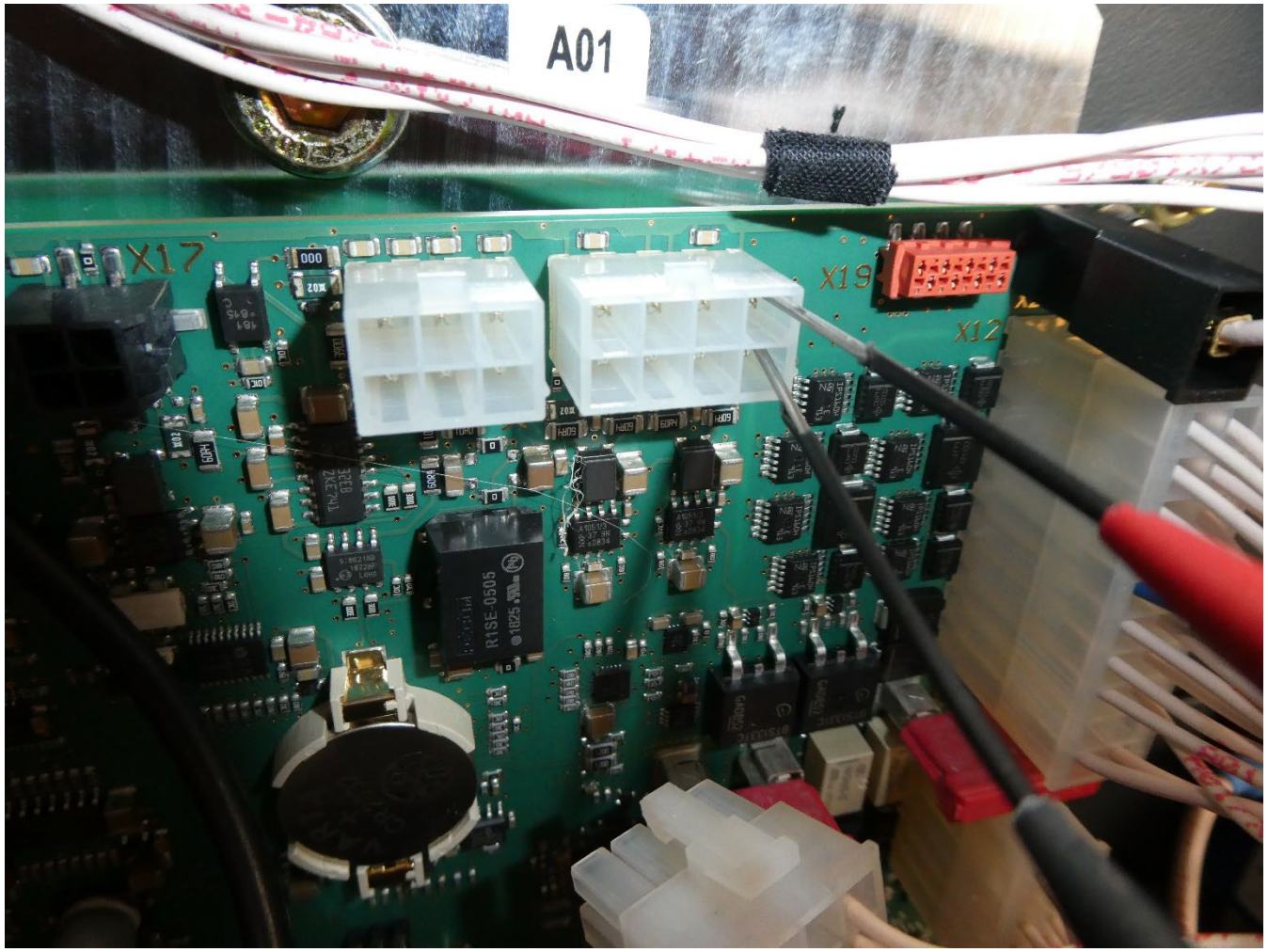
Plug B pin 6 to plug X18 pin 3

For B120R Only



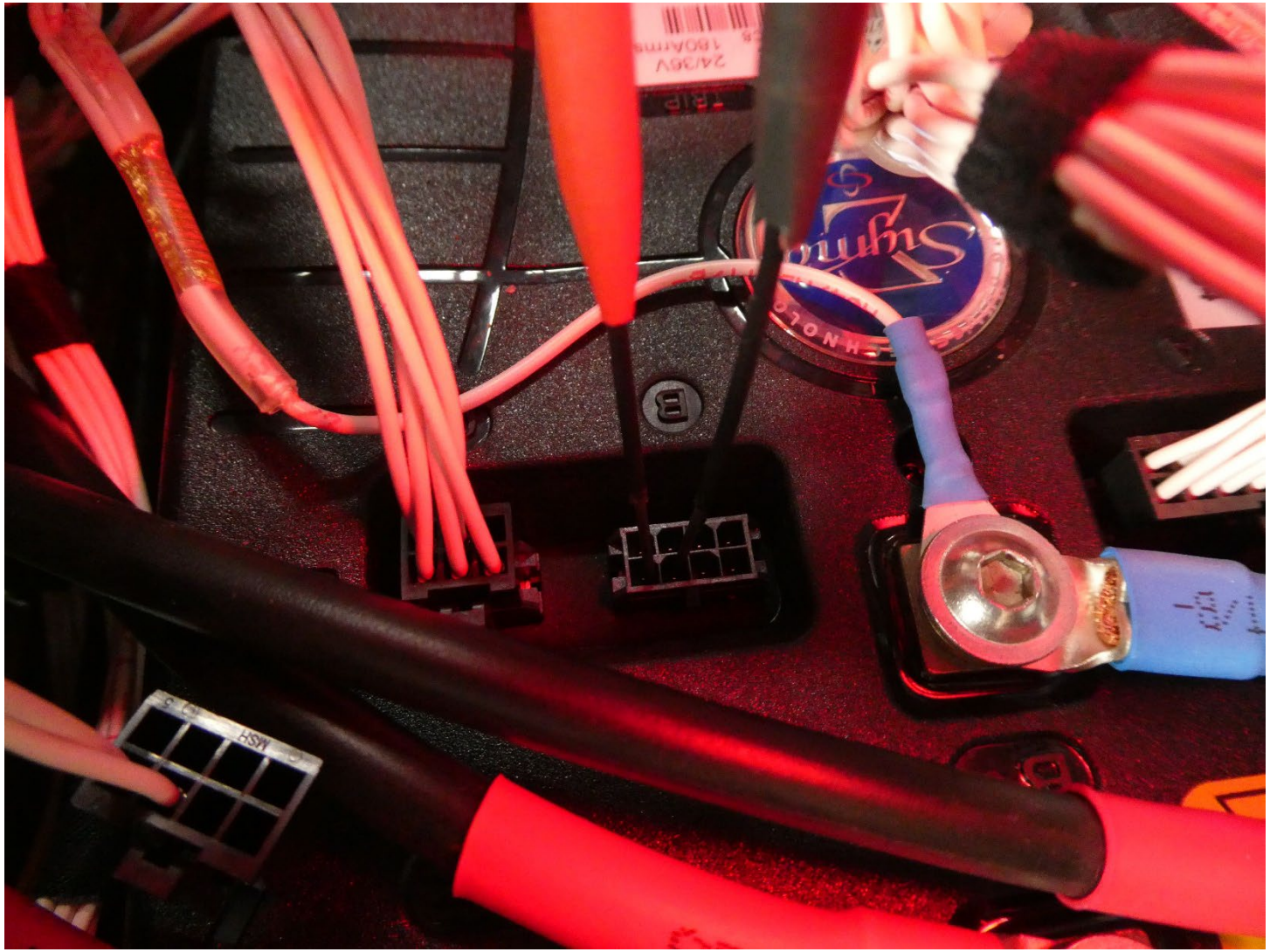
With the X4 connector removed from the A01 Main Controller test across pins 1 and 5, reading should be 120 Ohm’s.

For B175R/B260R



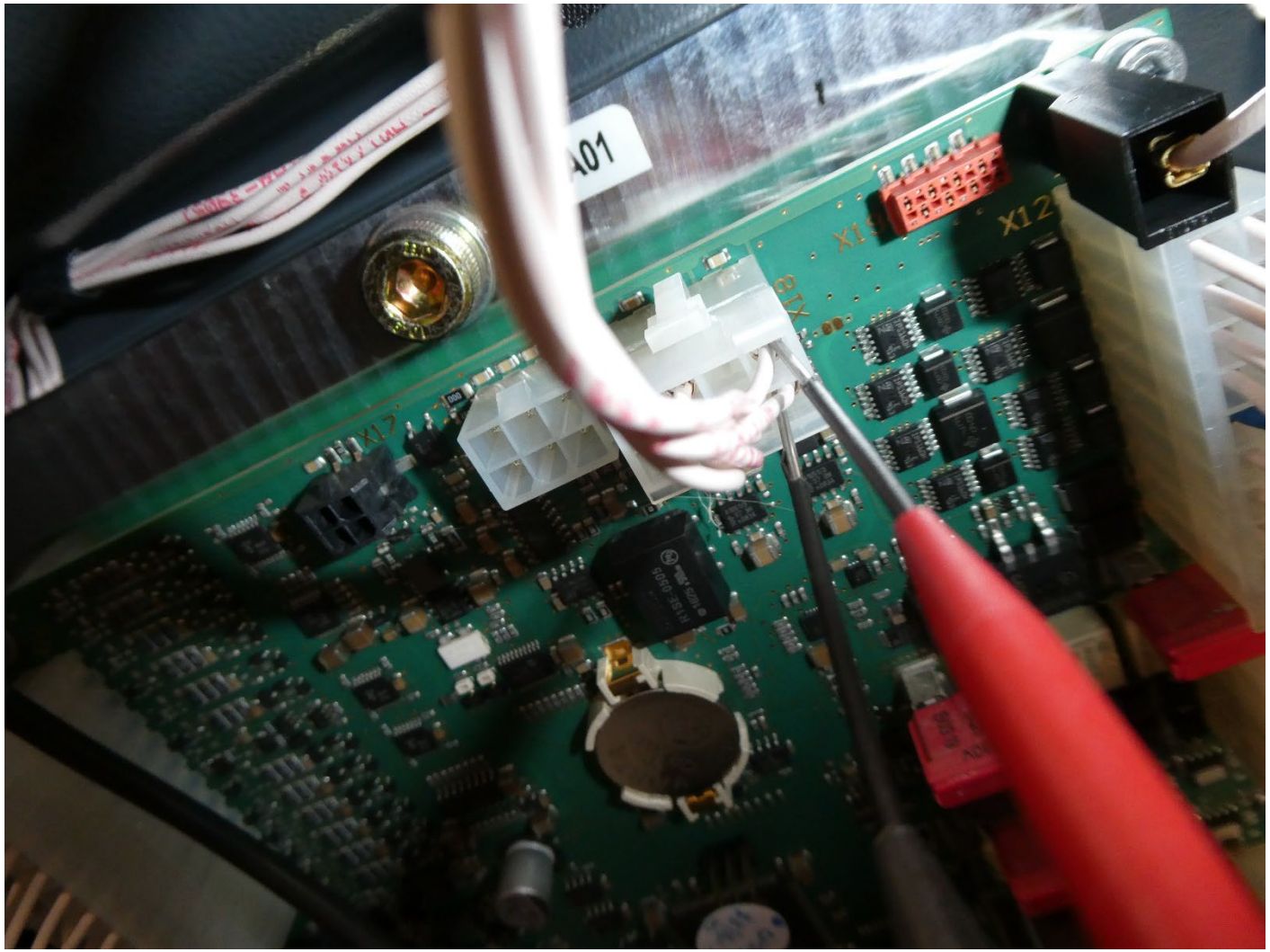
With the X18 connector removed from the A01 Main Controller test across pins 3 and 7, reading should be 120 Ohm’s.

All Drive Controllers



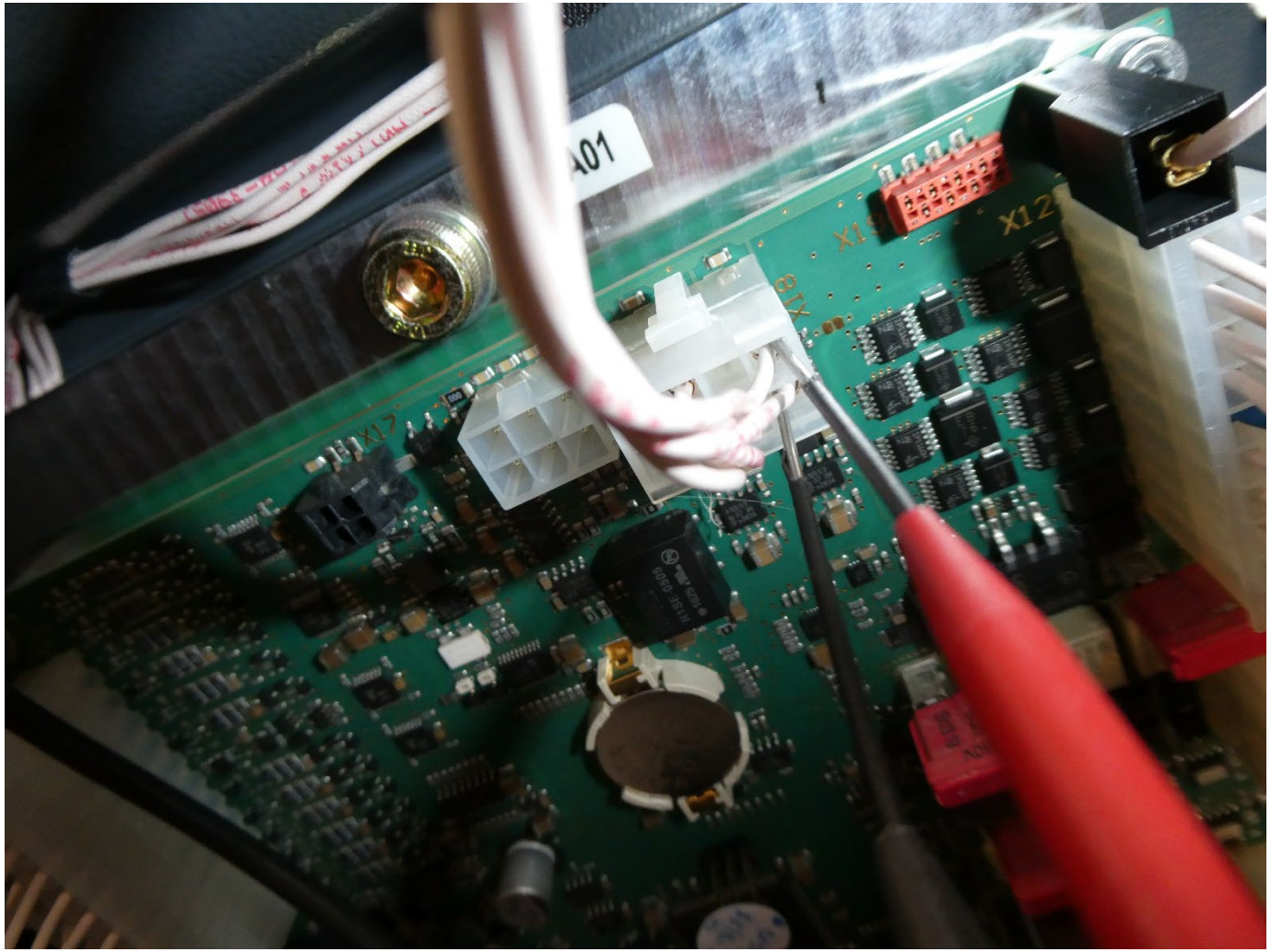
With the B plug removed test across pins 5 and 6, reading should be 120 Ohm’s.

For B120R Only



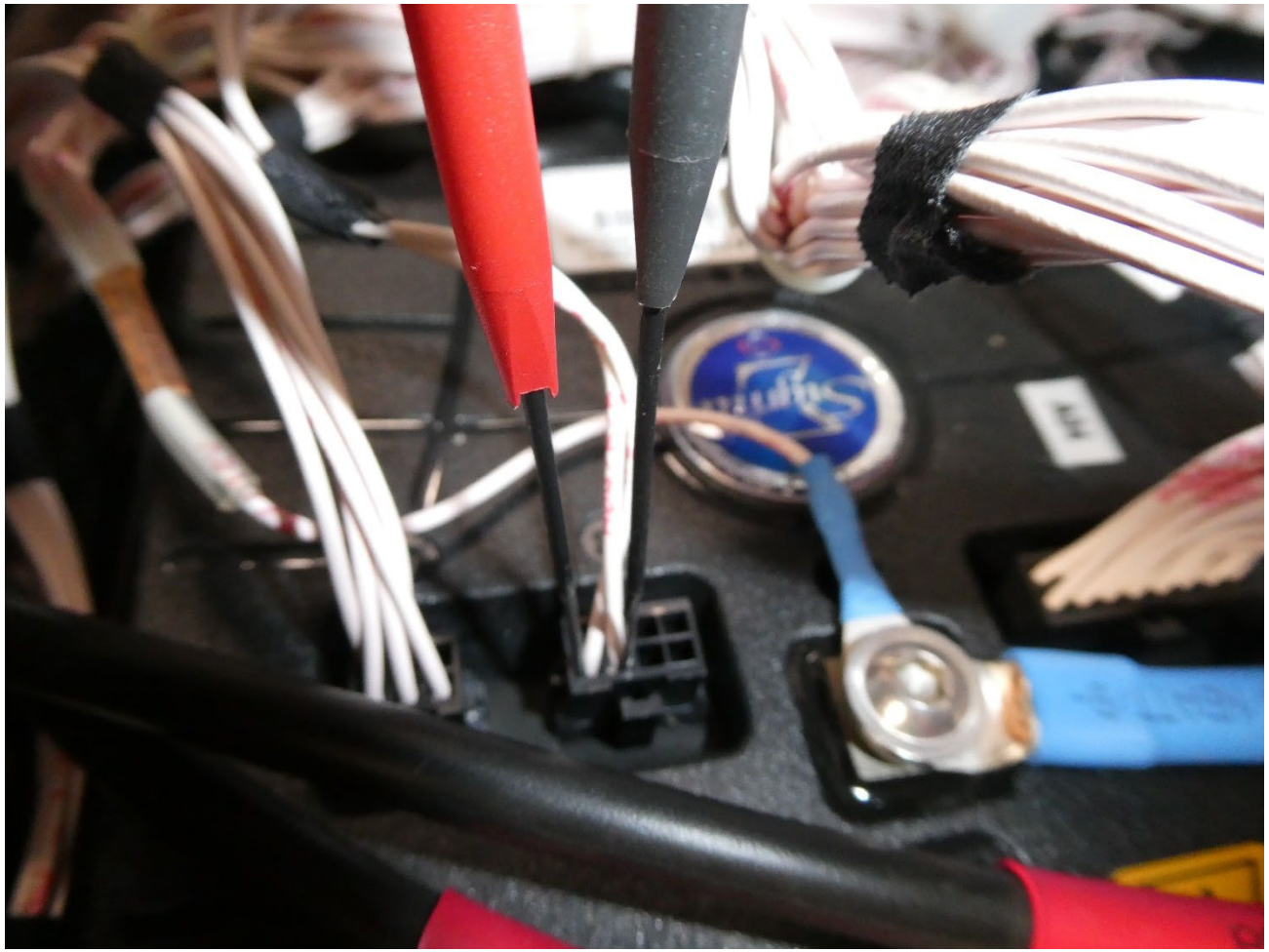
With X4 connector plugged back in to A01 Controller and B connector plugged back into A04 Drive Controller test across X4 connector pins 1 and 5 , reading should be 60 Ohm’s.

For B175R/B260R



With X18 connector plugged back in to A01 Controller and B connector plugged back into A04 Drive Controller test across X18 connector pins 3 and 7 , reading should be 60 Ohm’s.

All Drive Controllers



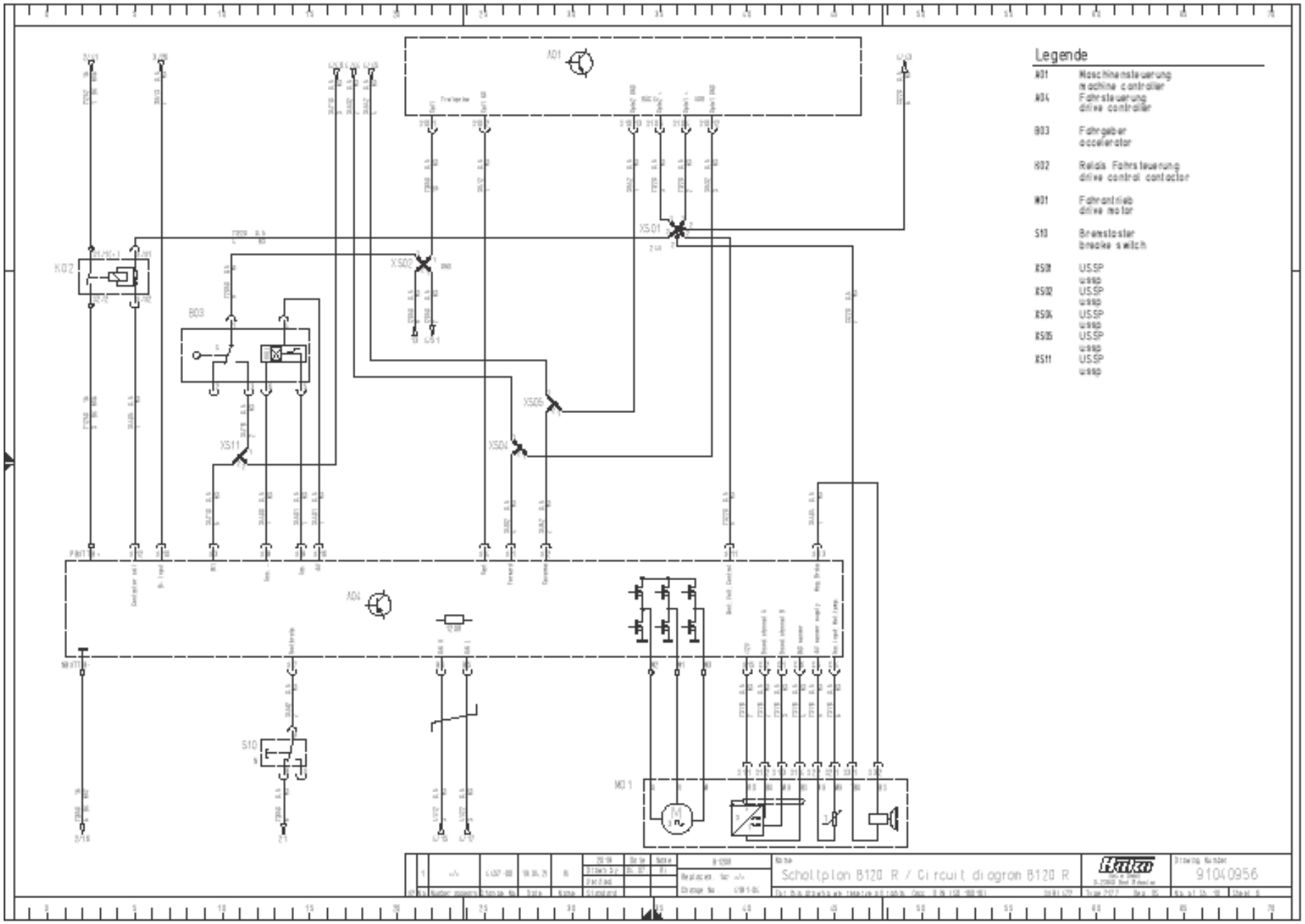
Test across the B connector of pins 5 and 6 , reading should be 60 Ohm’s.

B120R

1.) Perform a continuity test between A04.A1 & A01.X10.2

2.) With seat switch either engaged or bypassed, test for input signal at A04.A1

3.) With seat switch either engaged or bypassed, test for sweep voltage (0.5VDC to 4.5VDC) at A04.A9



B175R & B260R

1.) Test for continuity between A04.A4 & A01.X13.11

2.) With seat switch either engaged or bypassed, test for input signal at A04.A4. If no reference voltage, check for input at A01.X13.10

3.) Verify X11 jumper is installed

4.) With seat switch either engaged or bypassed, test for sweep voltage (0.5VDC to 4.5VDC) at A04.A9