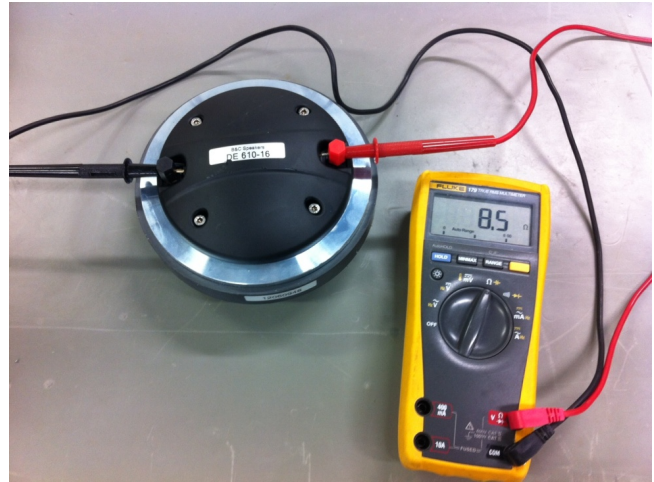


Before removing the driver, verify correct DC resistance of the driver using a multi-meter. Check the DC resistance of each driver separately, or check the DC resistance at the harness. Connect each lead of the multi-meter to the terminals of the driver (or proper pins on the harness), and make sure the multi-meter is set to measure the DC resistance.



NOMINAL RESISTANCE VALUES OF INDIVIDUAL DRIVERS		
DRIVER	NOM. RESISTANCE	USED IN AUDIO SYSTEMS
A-2302 – DRIVER, 1.4" HIGH FREQ COMPRESSION – B&C	8.5Ω	500HD, 1500HD, 2000HD
A-2305 – DRIVER, 8" MID FREQ CONE - RCF	6.6Ω	500HD, 1500HD, 2000HD
A-2306 – DRIVER, 12" LOW FREQ CONE - EMINENCE	6.0Ω	1500HD, 2000HD
A-1903 – DRIVER, 15" LOW FREQ CONE - EMINENCE	6.5Ω	1000, 500HD
A-1901 – DRIVER, 44XT HF COMPRESSION - PEAVEY	6.8Ω	1000
A-1902 – DRIVER, 10" MID FREQ CONE - EMINENCE	6.5Ω	1000

Depending on site conditions, the measurements may fluctuate up and down slightly so don't be alarmed; figure out an average. If the impedance is showing near 0 or open, this indicates the coil of the driver is bad and needs to be replaced.

It's possible that the coil is perfectly fine on cone drivers (mids and lows), but the spider, diaphragm, or surround is damaged, eliminating or restricting the cone from moving in and out. Visually check the surround and make sure it is in good condition. It may be necessary to remove the driver from the speaker assembly. **Carefully** push on the diaphragm and see if it can move in and out to verify the driver is not seized. Apply a 9V battery to the driver terminals and listen for any rubbing or stuck coils.

If the driver checks out fine, further troubleshooting of the system is required.

**Note: Daktronics speaker assemblies have drivers wired in parallel. Use the following charts when measuring the DC resistance of a harness:**

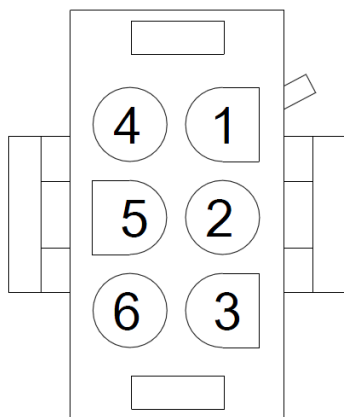
SPORTSOUND 500HD NOMINAL RESISTANCE VALUES			
Harness	Channel 1	Channel 2	Channel 3
Amp 1 Harness	Pins 1-2 / WHT/BLK = 3.2Ω	Pins 3-4 / RED/BLK = 3.2Ω	Pins 5-6 / BLU/BLK = 4.2Ω
*Amp 2 Harness	Pins 7-8 / ORG/BLK = 3.2Ω	Pins 9-10 / GRN/BLK = 4.2Ω	-

\*Amplifier 2 harness will only read values in dual sided systems (two amplifiers in control enclosure)

SPORTSOUND 1500HD NOMINAL RESISTANCE VALUES			
Harness	Channel 1	Channel 2	Channel 3
Amp 1 Harness	Pins 2-3 = 2.1Ω	-	-
Amp 2 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 3 Harness	Pins 2-3 = 3.0Ω	Pins 1-4 = 3.0Ω	-
Amp 4 Harness	Pins 2-3 = 3.0Ω	-	-

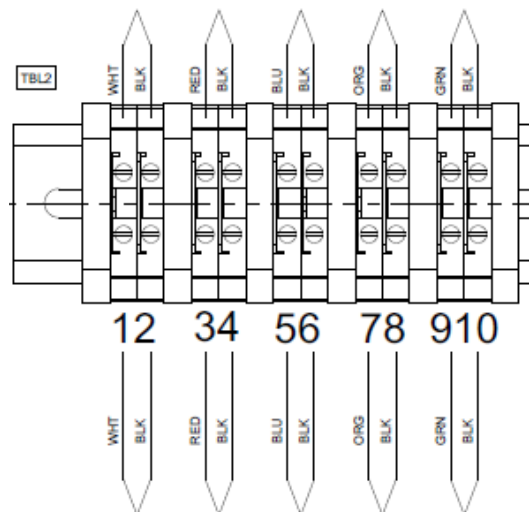
SPORTSOUND 2000HD NOMINAL RESISTANCE VALUES			
Harness	Channel 1	Channel 2	Channel 3
Amp 1 Harness	Pins 5-6 = 2.1Ω	Pins 2-3 = 2.1Ω	-
Amp 2 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 3 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 4 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 5 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 6 Harness	Pins 2-3 = 3.2Ω	Pins 1-4 = 3.2Ω	-
Amp 7 Harness	Pins 2-3 = 3.0Ω	Pins 1-4 = 3.0Ω	-
Amp 8 Harness	Pins 2-3 = 3.0Ω	-	-
Amp 9 Harness	Pins 2-3 = 3.0Ω	Pins 1-4 = 3.0Ω	-
Amp 10 Harness	Pins 2-3 = 3.0Ω	-	-

6 PIN CONNECTOR OF SPEAKER HARNESS



FRONT VIEW

SS500HD Control Enclosure Terminal Block



< Remove wires prior to measuring resistance