

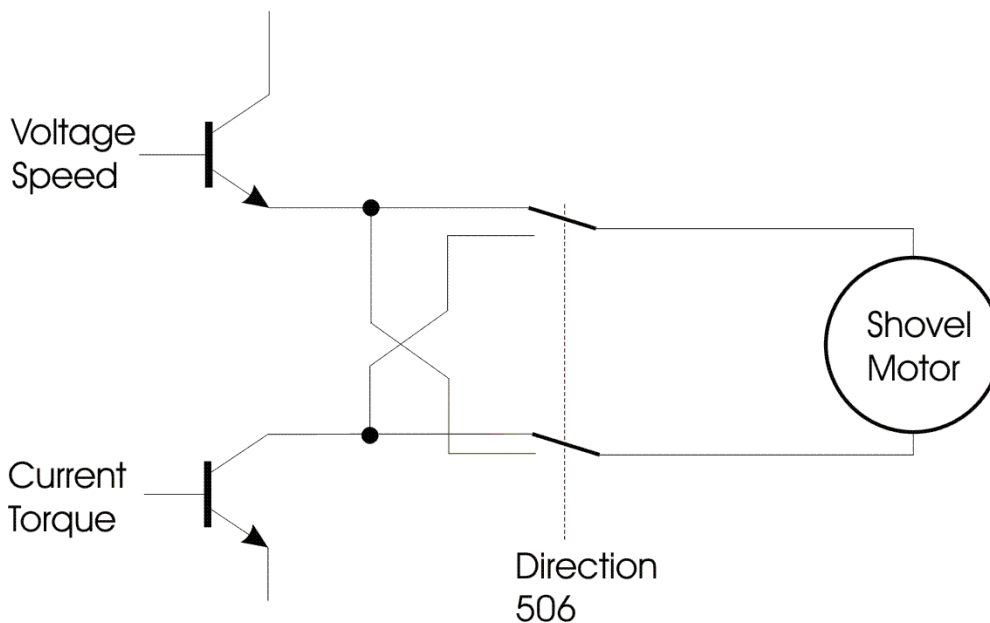
Title:	Shovel Motor has no torque			ID:
				0189
Date in:	Response:	Model:	Author:	
2004-09-02	2004-09-02	-	CMa	

Q:

Shovel motor has no torque. I measured 11.5V on the d-sub connector of the module (pin. 13) Is this normal?

A:

The shovel motor is current- and voltage driven. Current defines the torque while the voltage set the speed. The motor is powered continuously. A relay (output 506) simply alters polarity when the shovel needs to move.



You will also have to check the lower half of the driver since the other end of the motor is not connected to the current source (pin 12) and therefore has no direct connection to the ground.

Please measure resistance of the motor through the cable. You should see ~40R. The voltage at pin 12 to ground with the motor connected should be around 10V (11.5V – 40*0.03). The motor current is about 30mA.