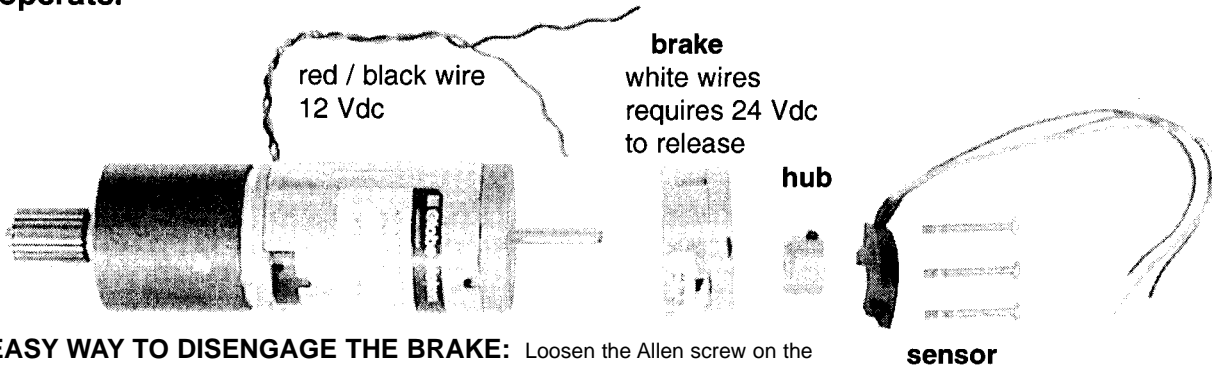


DCM-177 / DCM-178

12 Vdc gearhead motor with 24 Vdc brake. The BRAKE is engaged (0n) when no voltage is present. The BRAKE releases when 24 Vdc is applied.

CAUTIONS: (1) The motor will not turn if the brake is engaged and may become damaged if operated with the brake engaged. (2) Overtightening the three brass screws that fasten the brake and sensor can cause the motor to bind and not operate.



AN EASY WAY TO DISENGAGE THE BRAKE: Loosen the Allen screw on the rotating hub and replace it upside-down, with the square spline facing out. The brake is now deactivated, but the sensor will still function, and it can be reenabled by flipping the hub over again. (Suggested by Steve Hersey)

NOTES ON THE TACH SENSOR

The tach sensor is a Honeywell SS443A. Datasheet available at:
<http://content.honeywell.com/sensing/prodinfo/solidstate/catalog/c20008.pdf>

The connection sequence and color code for the wires on the sensor is:

Orange = Sensor +V (+5V works fine)

Blue = Sensor ground

Brown = Sensor open-collector output (Honeywell recommends 10K pull-up to +5V for driving TTL gates.)