

Notes:

- 1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
- 2. Wire gauges depend on load and size of motors.(See Recommendations)
- 3. Fuse size depends on load and size of motors.(See Recommendations)
- 4. Switch should be rated for at least the same amount of current as the fuse.
- 5. To charge batteries unplug them and use charger or run parallel wire with plug for charger.
- 6. Servo pigtail (TE-040-001) typically used. Receiver powered from motor controller (ensure motor controller rated for receiver).

References:

www.superdroidrobots.com/shop/category.aspx/wheelchair-motors/131/
www.sdrobots.com/tech-thursday-033-power-big-electric-motor/

Recommendations for 4wd with wheelchair motors:

- 1. (2) 12 AWG or (1) 6 AWG for power wire.
- 2. 14 AWG for motor wires.
- 3. Recommended size for the fuse is 80 Amps.
- 4. Use ferrite beads close to the motor to attenuate electric noise.

Safety Notice:

- 1. Be sure that all positive (red) battery terminals are properly fused and all wires are properly gauged according to safety standards.

