

Notes:

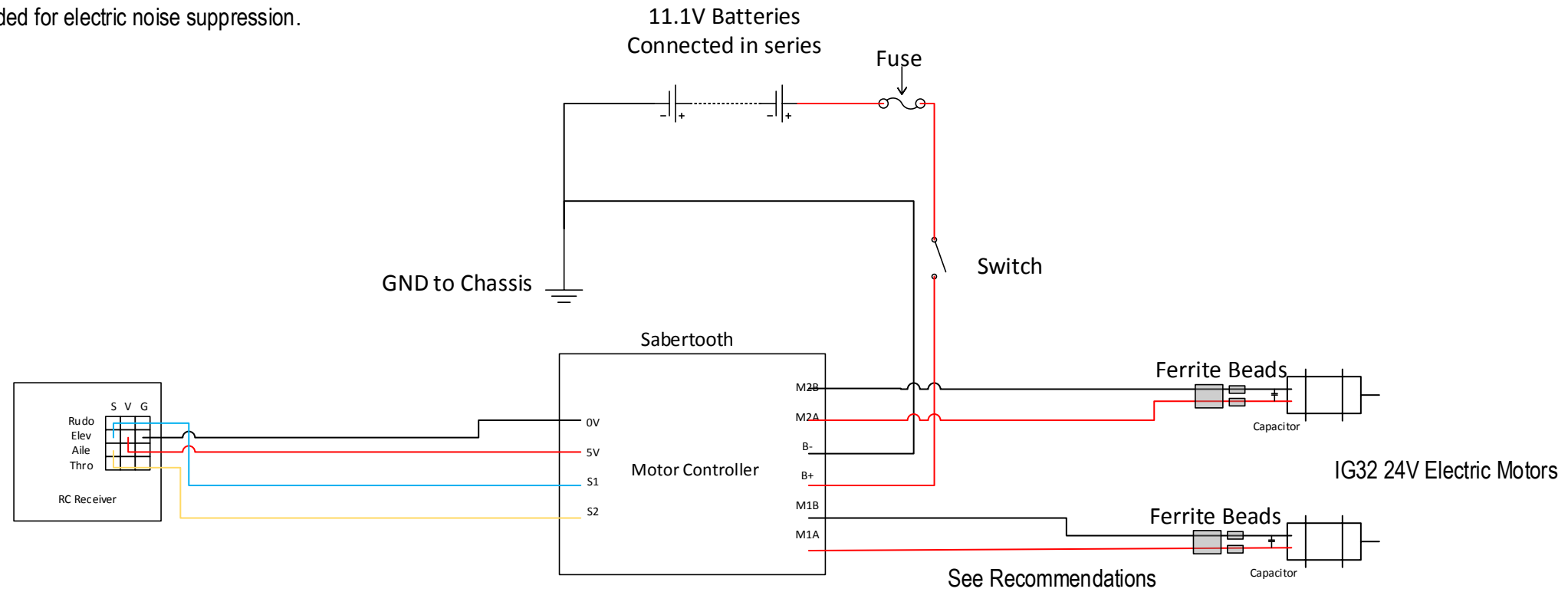
1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
2. Wire gauges depend on load and size of motors.(See Recommendations)
3. Fuse size depends on load and size of motors.(See 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:

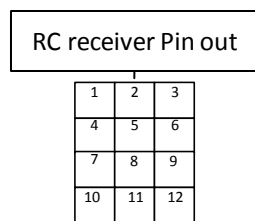
- <http://www.superdroidrobots.com/shop/category.aspx/32mm-gear-motors/76/>
- <http://www.sdrobots.com/tech-thursday-033-power-big-electric-motor/>

Recommendations for MLT-JR 24V:

1. Maximum IG32 motor stall current is 5 Amps per motor, therefore 18 AWG for power wire is sufficient.
2. Recommended size for the fuse is 10 Amps.
3. Shielded wire recommended.
4. Use ferrite beads close to the motor to attenuate electric noise.
5. Install capacitors across motor solder tabs as needed for electric noise suppression.



- Note In receiver connect:
1. 0 v to pin 3, 6, 9 or 12.
 2. 5V to pin 2, 5, 8 or 11.
 3. S1 to pin 4.
 4. S2 to pin 7.



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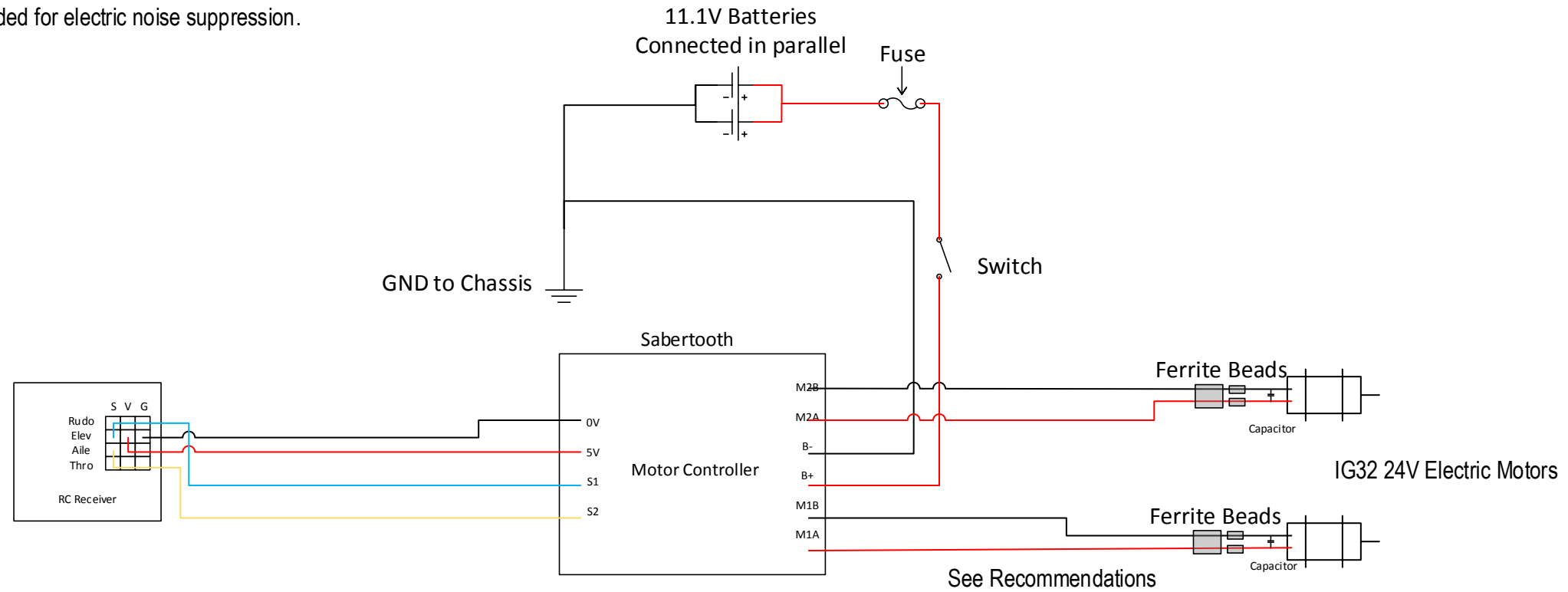
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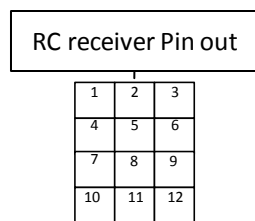
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Recommendations for MLT-JR 12V:

1. Maximum IG32 motor stall current is 5 Amps per motor, therefore 18 AWG for power wire is sufficient.
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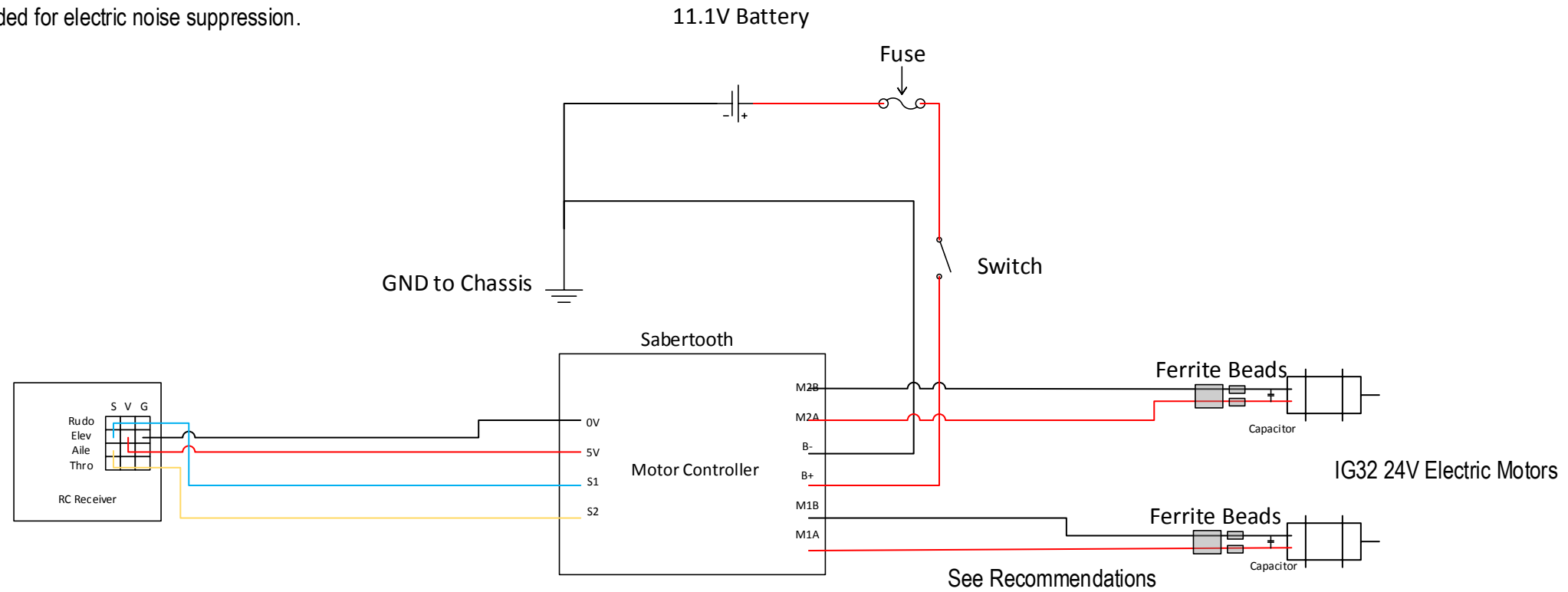
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