Notes:

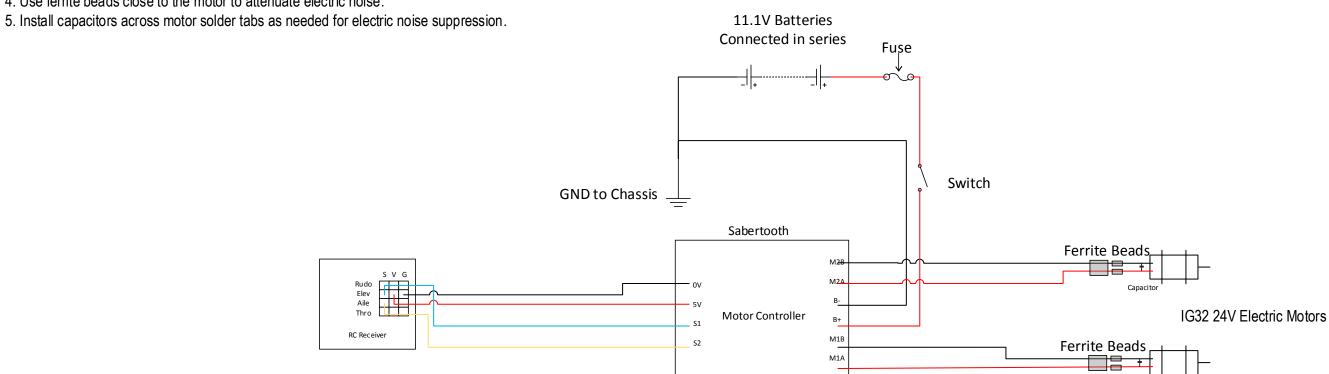
- 1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
- 2. Wire gauges depend on load and size of motors. (See Recommendations)
- 3. Fuse size depends on load and size of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

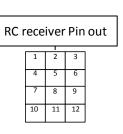
Recommendations for MLT-JR 24V:

- 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.



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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See Recommendations

Notes:

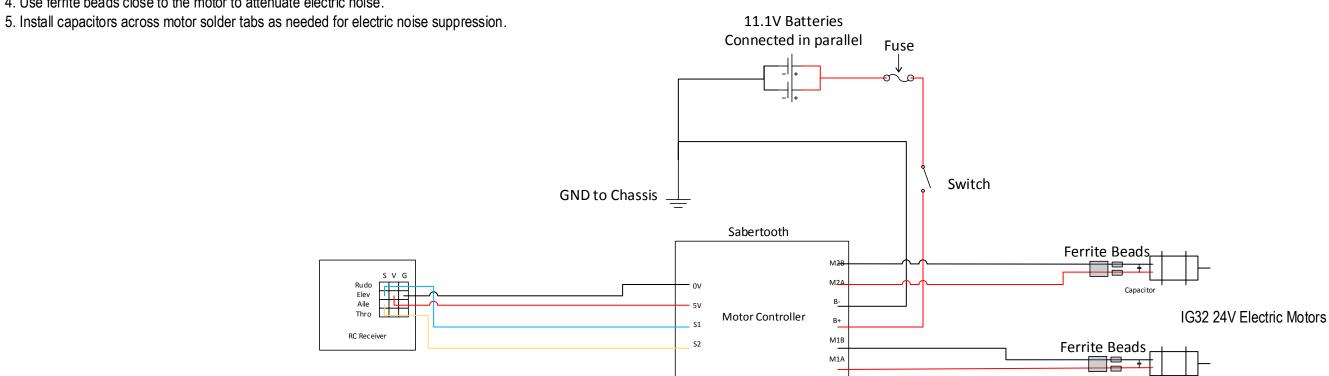
- 1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
- 2. Wire gauges depend on load and size of motors. (See Recommendations)
- 3. Fuse size depends on load and size of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

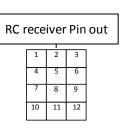
Recommendations for MLT-JR 12V:

- 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.



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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See Recommendations

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Schematic_MLT-JR_12V_RC_Parallel

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Notes:

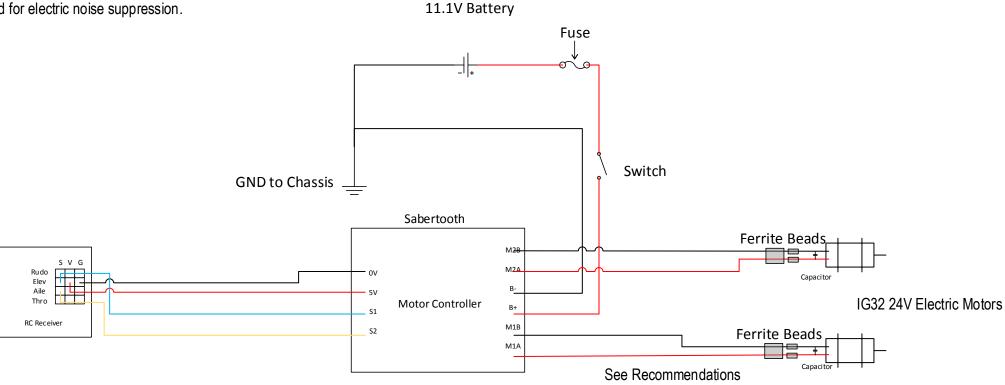
- 1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
- 2. Wire gauges depend on load and size of motors. (See Recommendations)
- 3. Fuse size depends on load and size of 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 12V:

- 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.

RC receiver Pin out								
	1	2	3					
	4	5	6					
	7	8	9					
	10	11	12					

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