

BRUSHLESS SPEED KIT

INSTALLATION INSTRUCTIONS

Thank you for purchasing the Dromida Brushless Speed Kit. It is strongly recommended to completely read this manual before use. Damage resulting from misuse or modification will void your warranty.

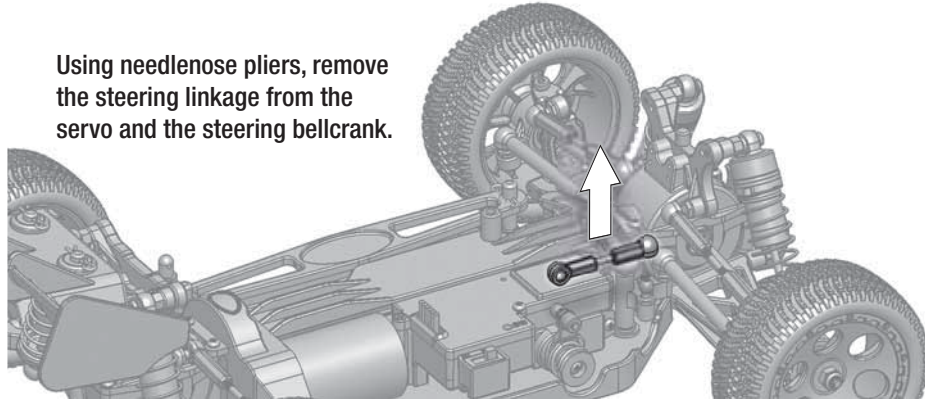
REQUIRED TOOLS

The following items are needed to install your Speed Kit.

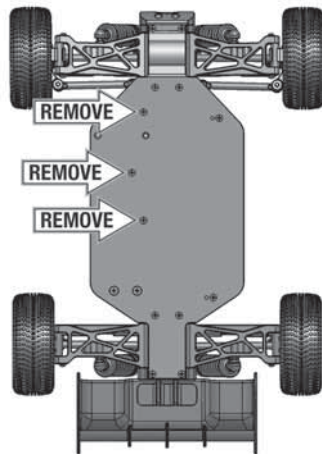
- ✓ Phillips head screw driver
- ✓ 2mm hex wrench
- ✓ Double sided servo tape (DTXR1215)
- ✓ 3/16" nut driver
- ✓ 2.5mm hex wrench
- ✓ 1.5mm hex wrench
- ✓ Needlenose pliers

1. REMOVE STEERING LINKAGE

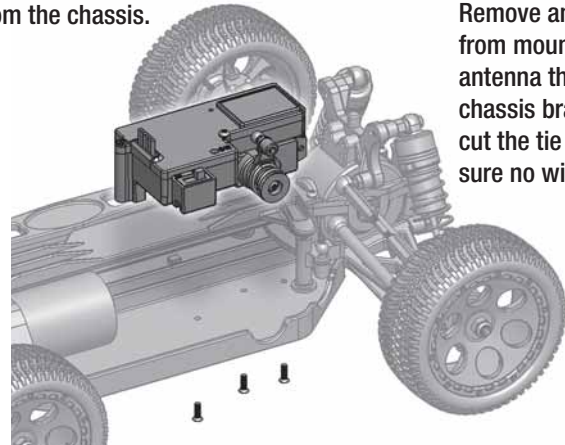
Using needlenose pliers, remove the steering linkage from the servo and the steering bellcrank.



2. REMOVE 2N1



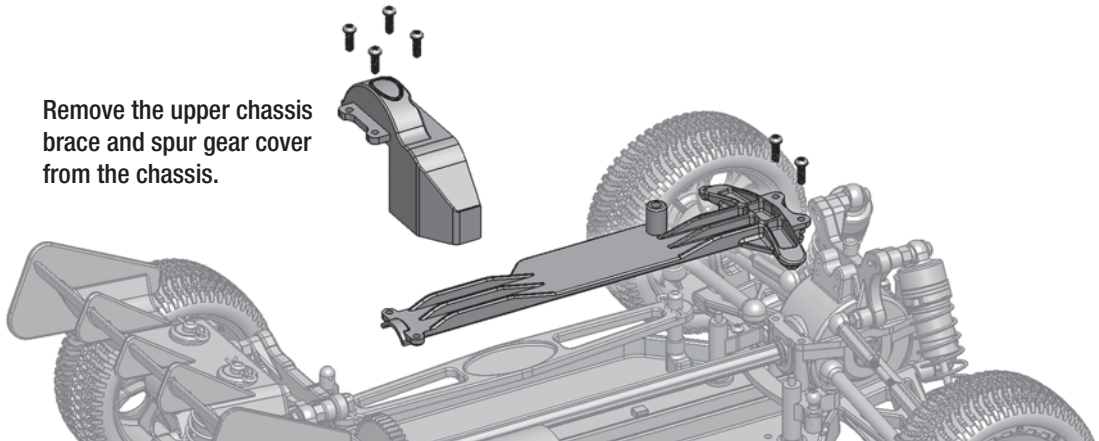
Remove the 2N1 assembly from the chassis.



Unplug motor connector. Remove antenna tube from mount and slide antenna through upper chassis brace. Carefully cut the tie wrap making sure no wires are cut.

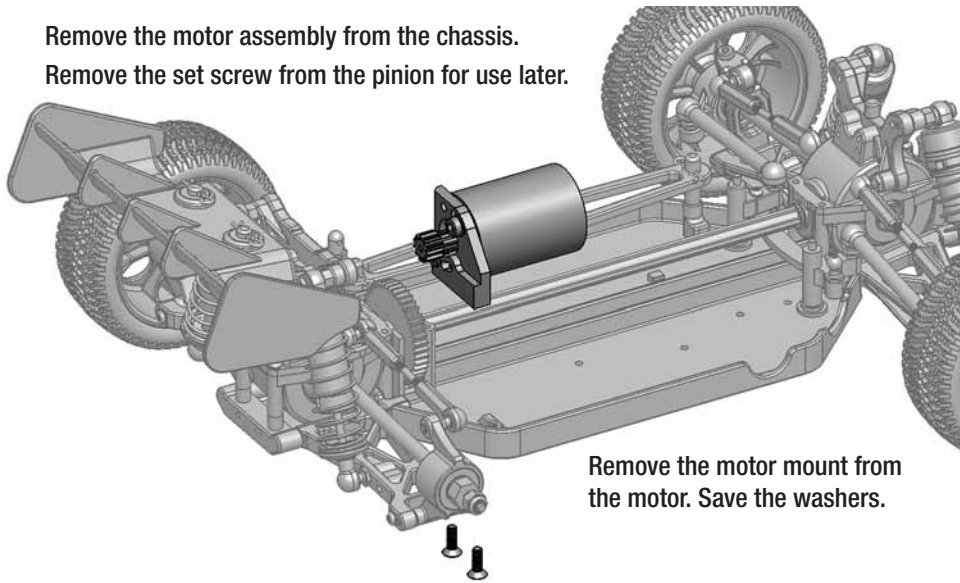
3. REMOVE UPPER CHASSIS BRACE

Remove the upper chassis brace and spur gear cover from the chassis.

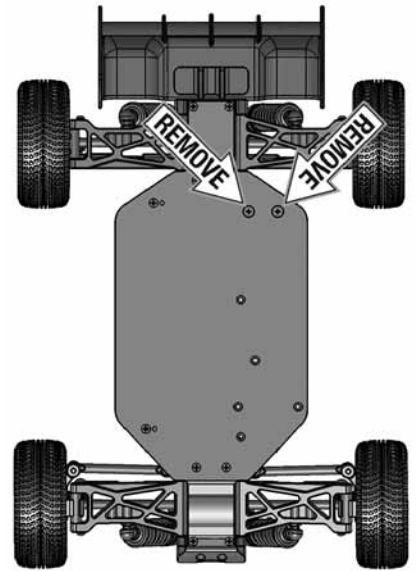


4. REMOVE MOTOR

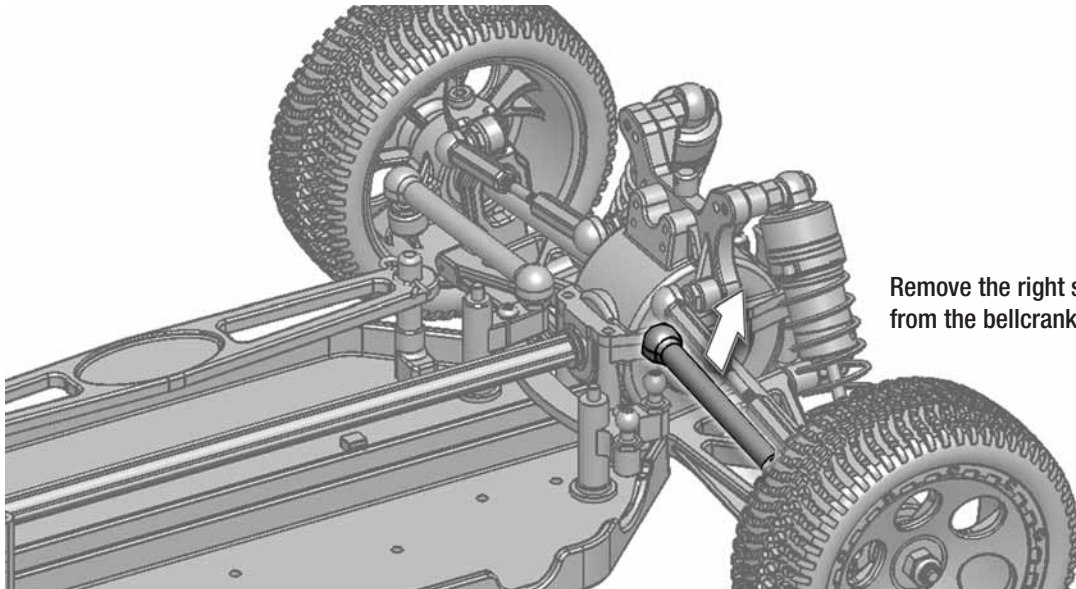
Remove the motor assembly from the chassis.
Remove the set screw from the pinion for use later.



Remove the motor mount from the motor. Save the washers.

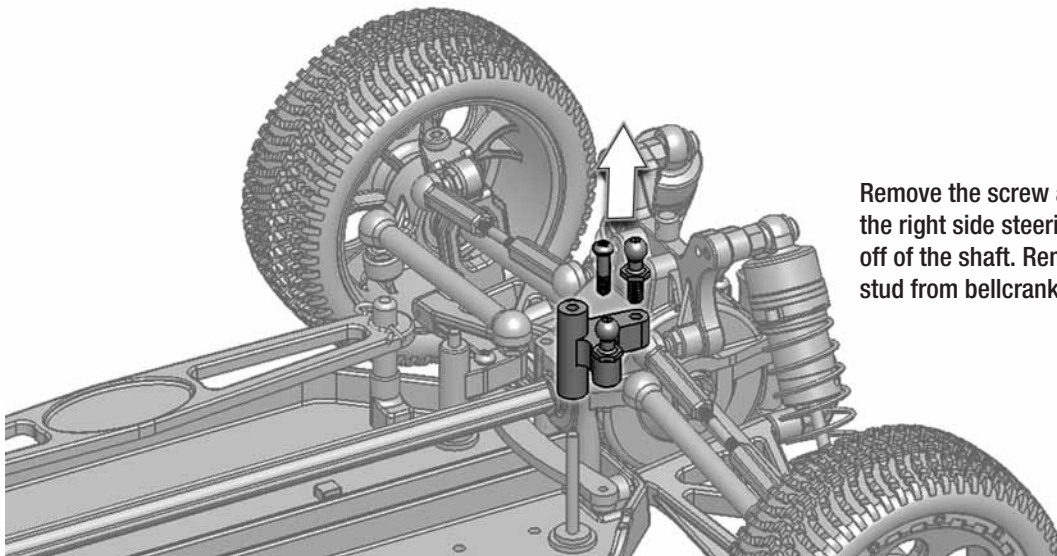


5. REMOVE RIGHT SIDE TIE ROD



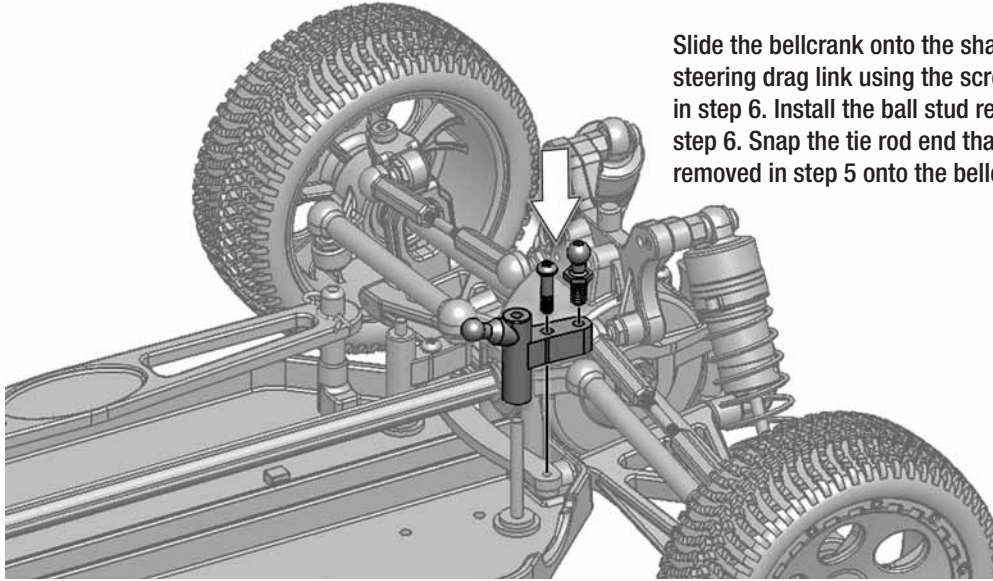
Remove the right side tie rod from the bellcrank.

6. REMOVE BELLCRANK



Remove the screw and then slide the right side steering bellcrank off of the shaft. Remove the ball stud from bellcrank for use later.

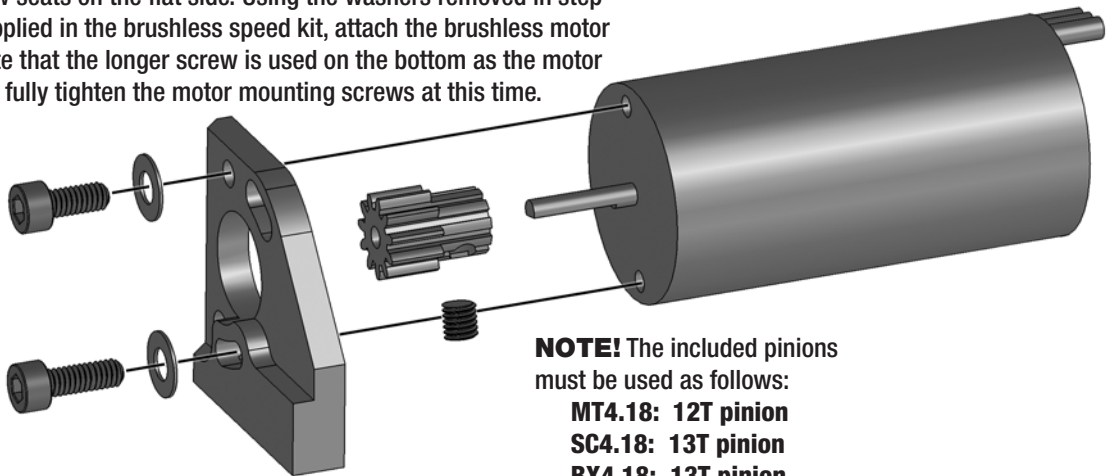
7. INSTALL NEW BELLCRANK



Slide the bellcrank onto the shaft. Attach the steering drag link using the screw removed in step 6. Install the ball stud removed in step 6. Snap the tie rod end that was removed in step 5 onto the bellcrank.

8. INSTALLING BRUSHLESS MOTOR

Install the pinion onto the motor using the set screw removed in step 4. Make sure that the pinion set screw seats on the flat side. Using the washers removed in step 4 and motor screws supplied in the brushless speed kit, attach the brushless motor to the motor mount. Note that the longer screw is used on the bottom as the motor mount is thicker. Do not fully tighten the motor mounting screws at this time.



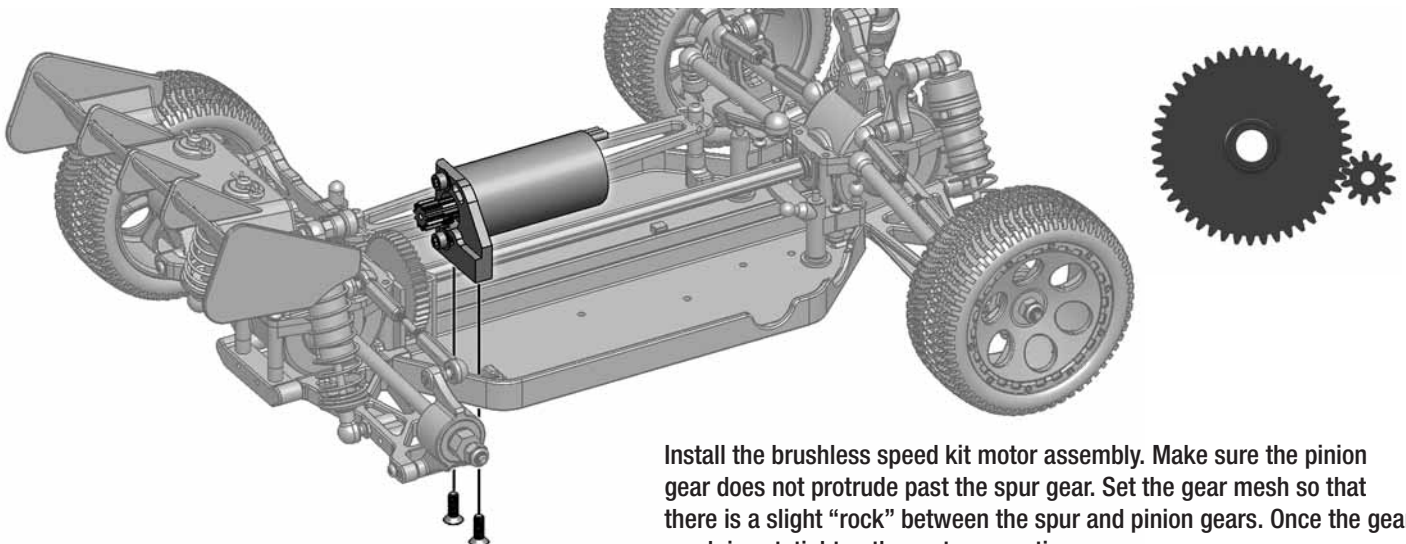
NOTE! The included pinions must be used as follows:

MT4.18: 12T pinion

SC4.18: 13T pinion

BX4.18: 13T pinion

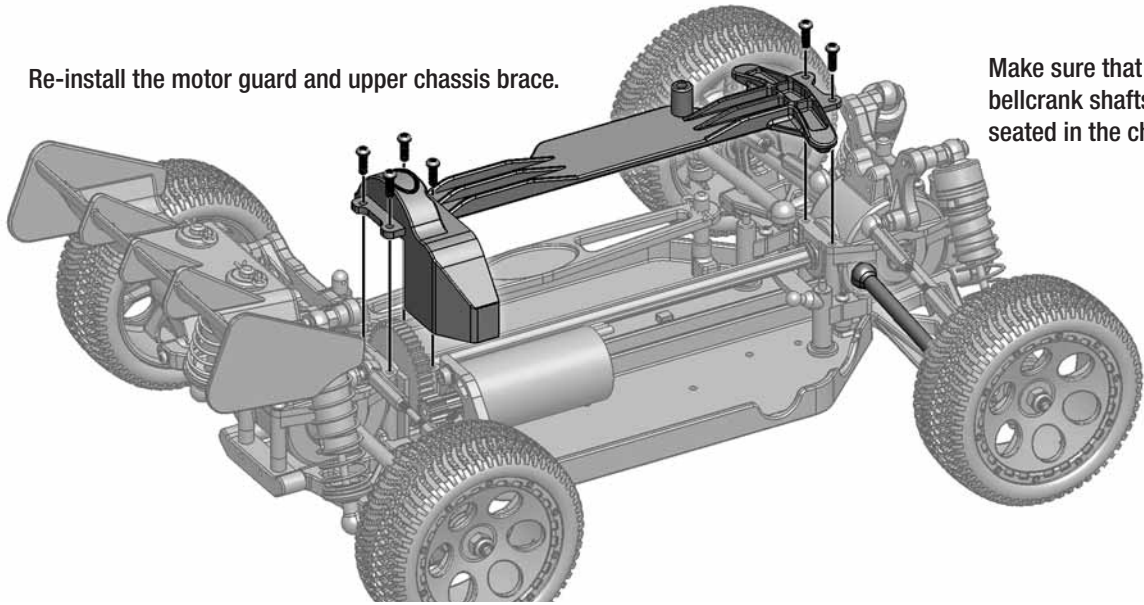
9. INSTALL MOTOR ASSEMBLY



Install the brushless speed kit motor assembly. Make sure the pinion gear does not protrude past the spur gear. Set the gear mesh so that there is a slight "rock" between the spur and pinion gears. Once the gear mesh is set, tighten the motor mounting screws.

10. RE-INSTALL SPUR GEAR COVER AND BRACE

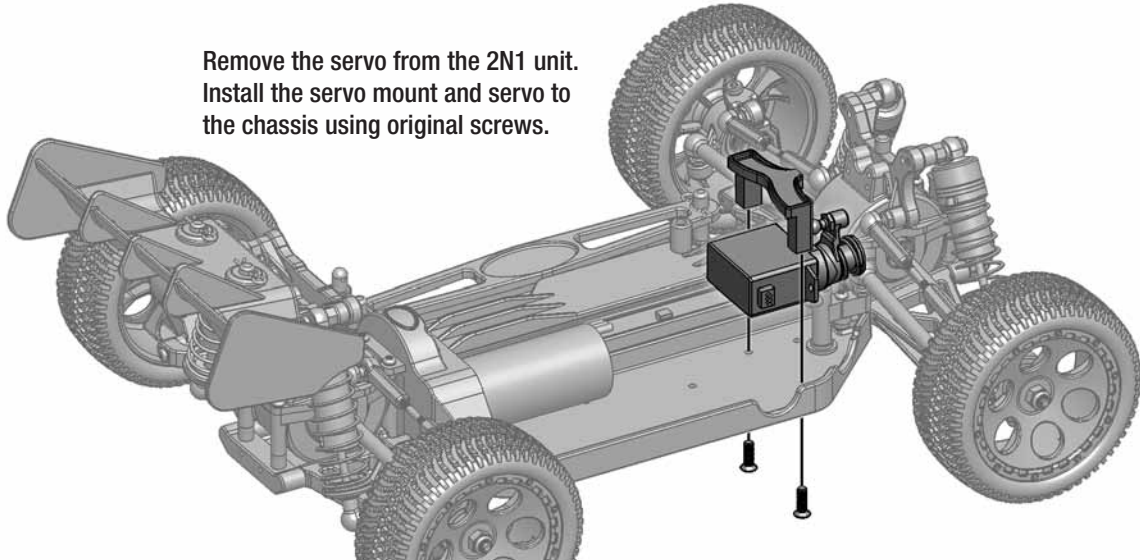
Re-install the motor guard and upper chassis brace.



Make sure that the bellcrank shafts remain seated in the chassis.

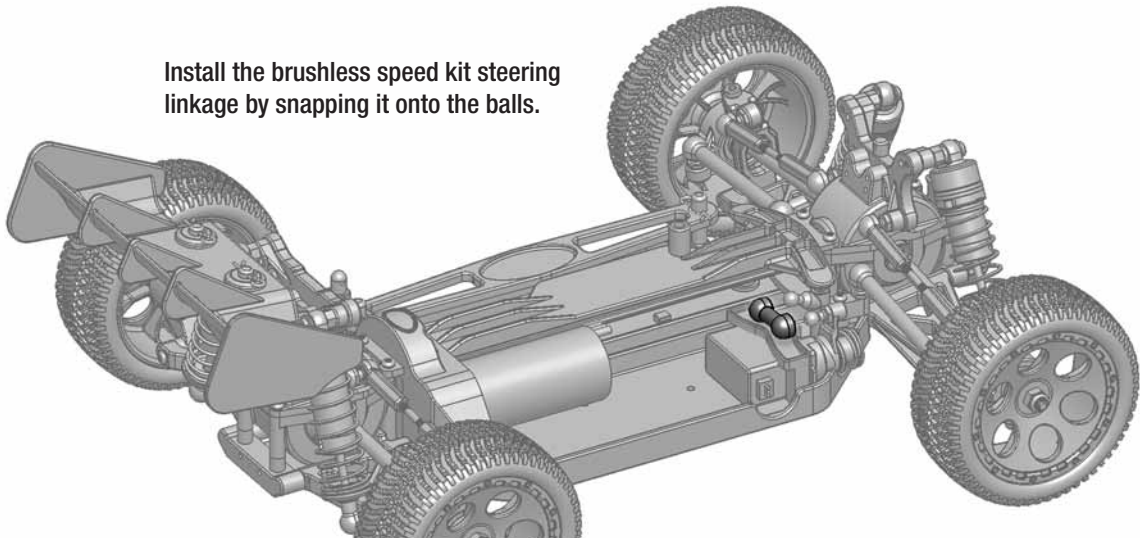
11. SERVO ASSEMBLY INSTALLATION

Remove the servo from the 2N1 unit. Install the servo mount and servo to the chassis using original screws.



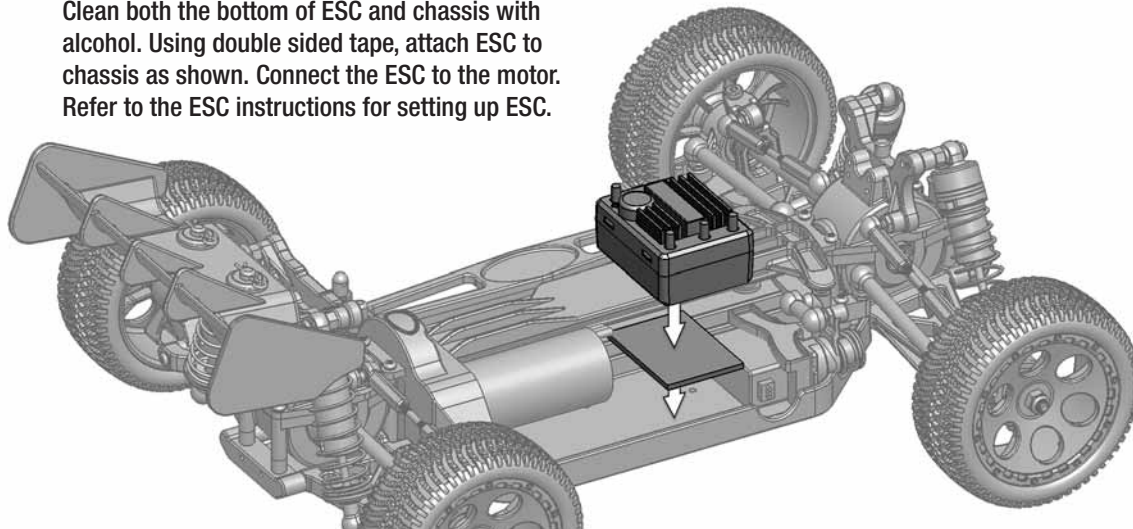
12. STEERING LINKAGE

Install the brushless speed kit steering linkage by snapping it onto the balls.



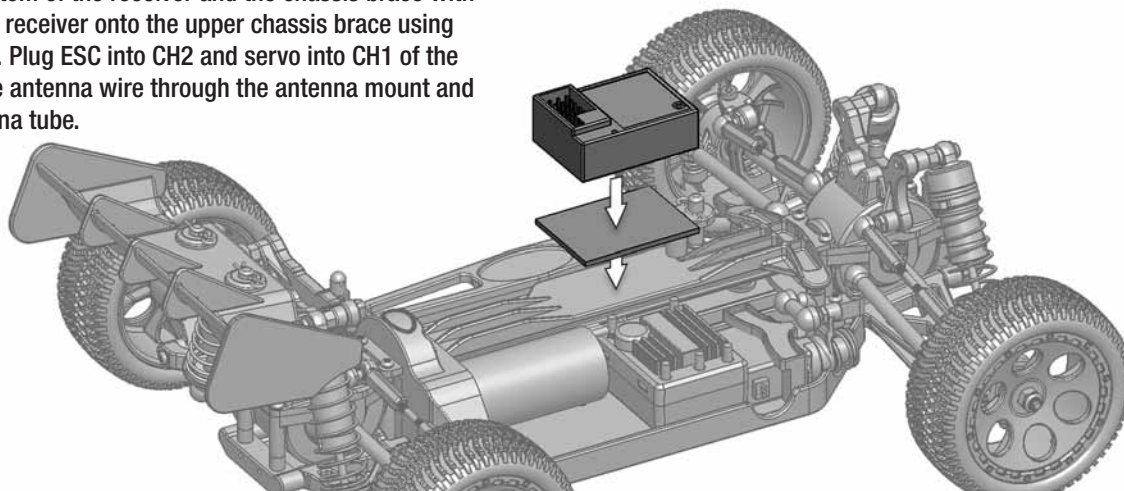
13. ESC INSTALLATION

Clean both the bottom of ESC and chassis with alcohol. Using double sided tape, attach ESC to chassis as shown. Connect the ESC to the motor. Refer to the ESC instructions for setting up ESC.



14. RECEIVER INSTALLATION

Clean both the bottom of the receiver and the chassis brace with alcohol. Install the receiver onto the upper chassis brace using double-sided tape. Plug ESC into CH2 and servo into CH1 of the receiver. Route the antenna wire through the antenna mount and reinstall the antenna tube.



15. BINDING PROCEDURE

The receiver included with the Brushless Speed Kit is designed to work with the Dromida D100 transmitter. The receiver **MUST** be bound to the transmitter before running the vehicle.

1. Turn on the transmitter.
2. Turn on the receiver.
3. Press and release the "BIND" button on the receiver.

At this point, the receiver should be bound to the transmitter.

16. TRIMMING

Throttle Trim

- If the vehicle rolls forward without throttle input, rotate the throttle trim knob slightly left.
- If the vehicle rolls backwards without throttle input, rotate the throttle trim knob slightly right.

Steering Trim

- If the vehicle tracks right (when viewed from behind), rotate the steering trim knob slightly left.
- If the vehicle tracks left (when viewed from behind), rotate the steering trim knob slightly right.
- Check that the servo saver screw is fully tightened to ensure that your vehicle tracks straight.