TRX4
Scale and Trail
Crawler
MODEL 82056-4
DEFENDER
TRAXXAS
OWNER'S MANUAL

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REGISTERING YOUR MODEL

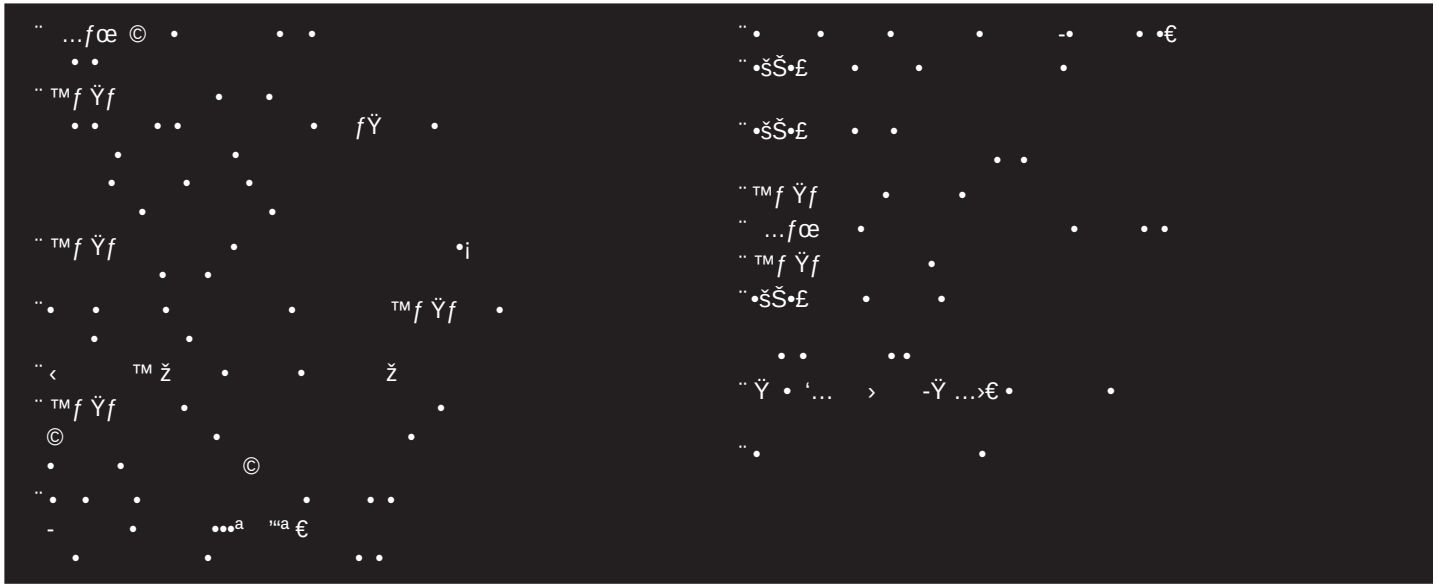
Traxxas.com/register

SUPPORT

1
Skill Level

WARNING! CAUTION! DANGER!

FIRE HAZARD!



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SuppliedTools and Equipment

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Required Equipment (not included)

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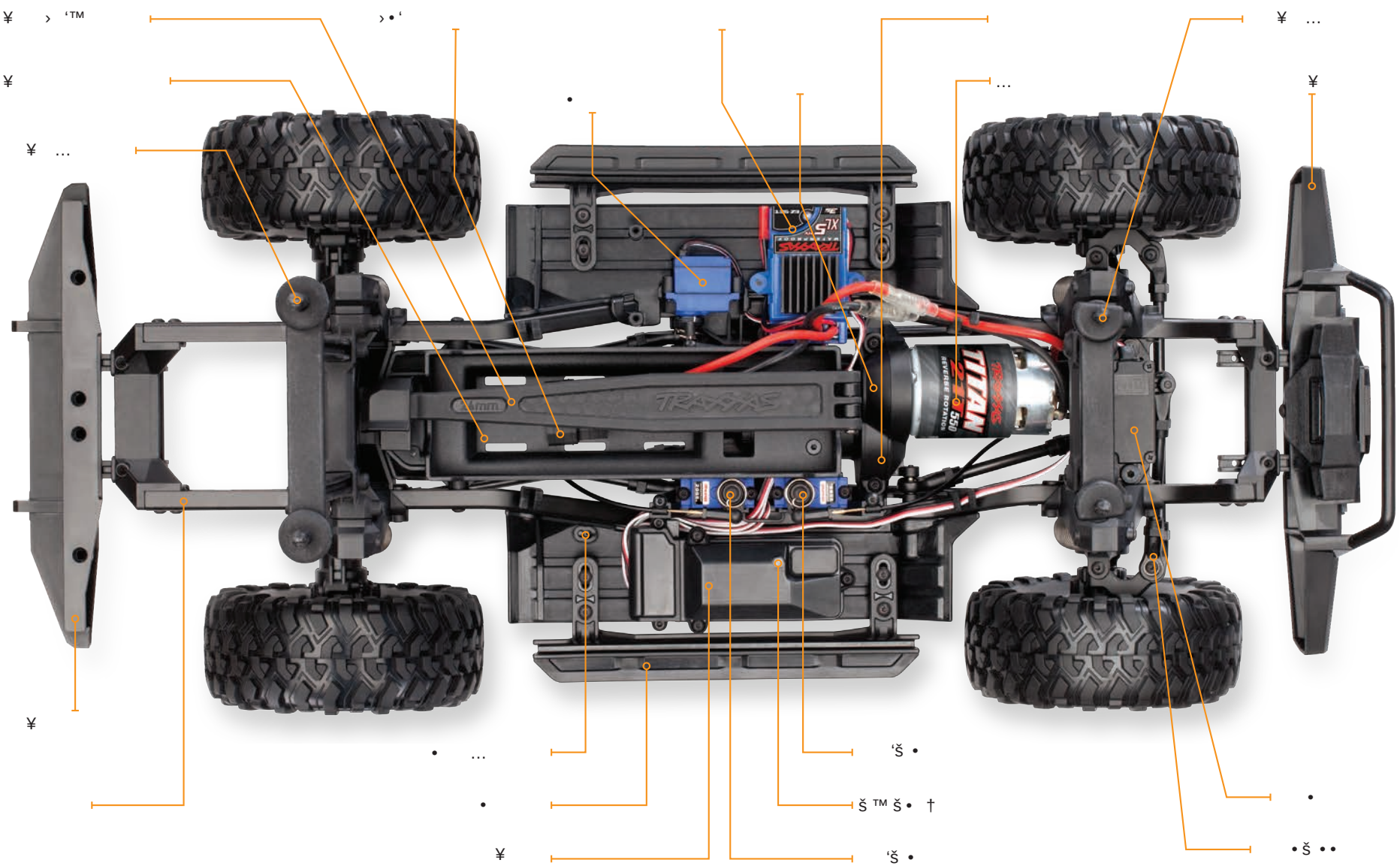
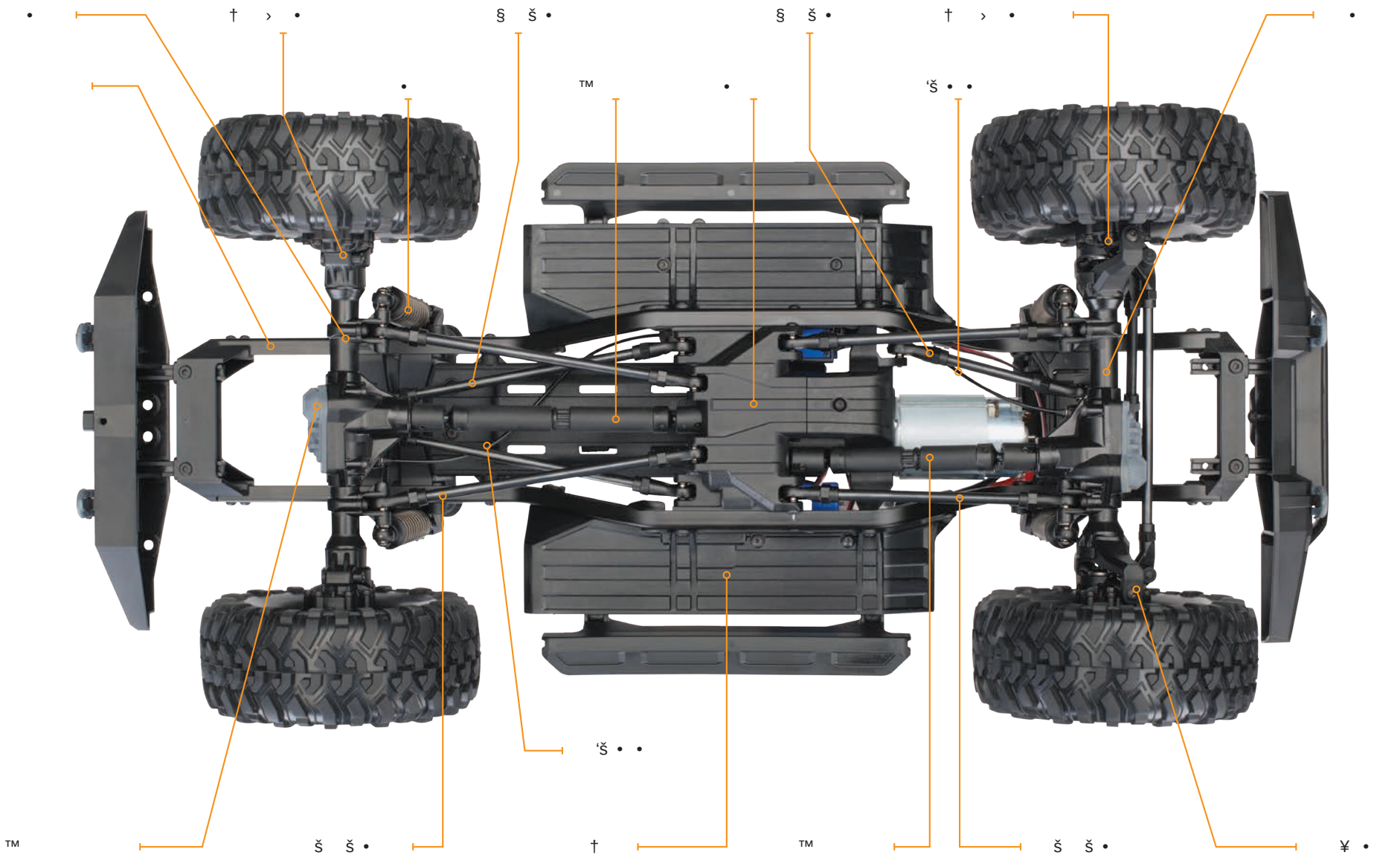
Chassis Top View



Chassis Bottom View



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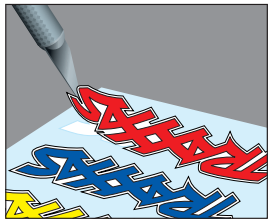
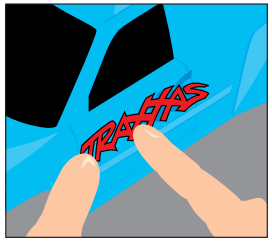
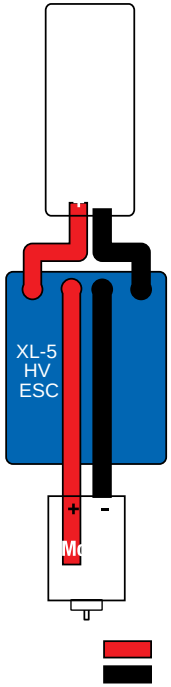
INTRODUCTION

RADIO AND POWER SYSTEM TERMINOLOGY







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TRANSMITTER AND RECEIVER

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MODEL WIRING DIAGRAM

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V/T - Voltage/Temp Sensor Pört
RPM- RPM Sensor Pört
BATT/
CH5 - Battery/Channel 5
CH4 - Channel 4
CH3 - Channel 3
CH2 - Speed Control
CH1 - Steering Servo
CH1 - Channel 1*

*Not used
†Accessory sensor ports for use with optional voltage, temperature, and RPM sensors only (RPM sensor not compatible).

XL-5 HV ELECTRONIC SPEED CONTROL

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INSTALLING TRANSMITTER BATTERIES

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SELECTING BATTERIES AND A CHARGER FOR YOUR MODEL

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INSTALLING THE BATTERY PACK

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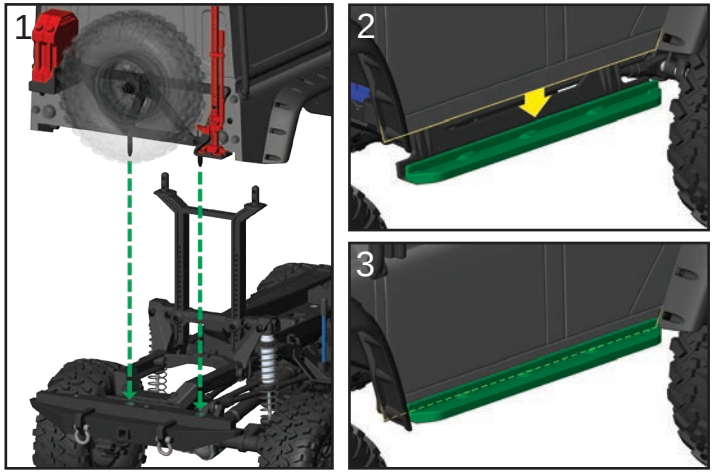

RADIO SYSTEM CONTROLS

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RADIO SYSTEM BASIC ADJUSTMENTS

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RADIO SYSTEM RULES

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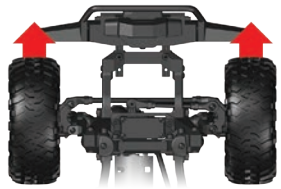
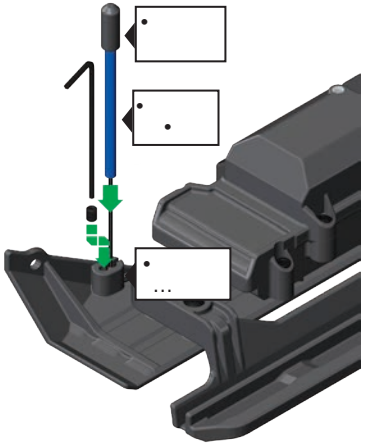


SETTING UP THE ANTENNA



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WARNING: FIRE HAZARD!
Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

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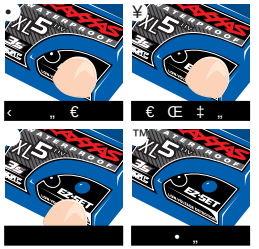

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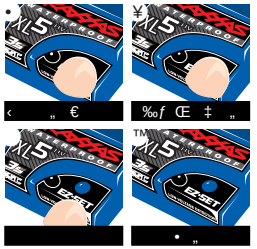

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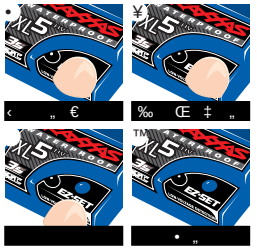

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Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

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High Gear

Low Gear

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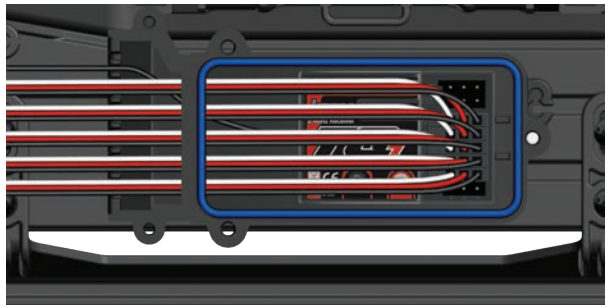
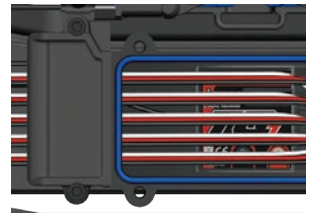
Lock Front Diff
Lock Both Diffs

RUNNING IN WET CONDITIONS

RECEIVER BOX: MAINTAINING A WATERTIGHT SEAL





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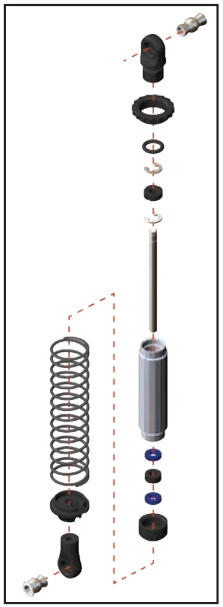
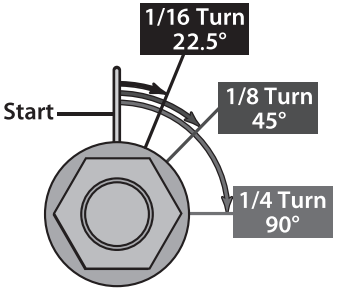
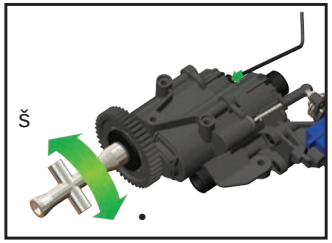




WHEELS AND TIRES

TRANSMISSION TUNING



MOTORS AND GEARING

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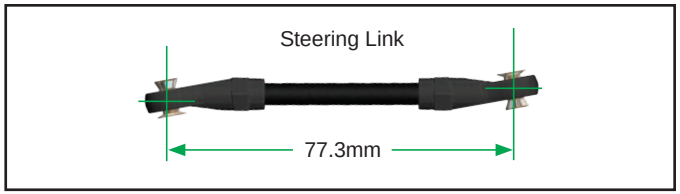
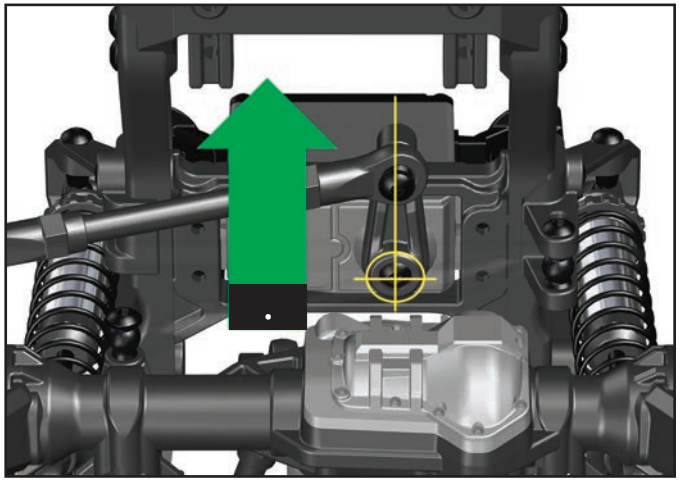
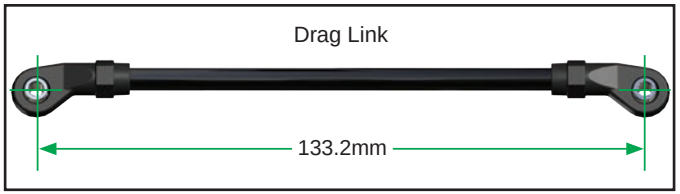




SERVO STEERING SYSTEM



T-LOCK SERVO INSTALLATION

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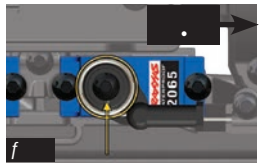

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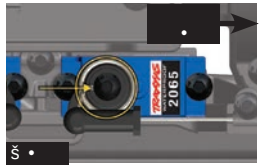

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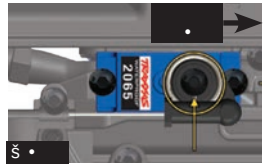

FITTING AFTERMARKET BODIES

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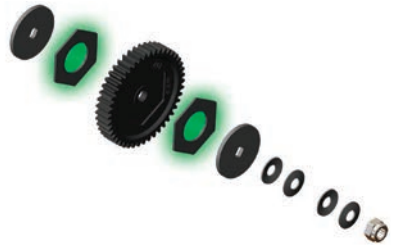
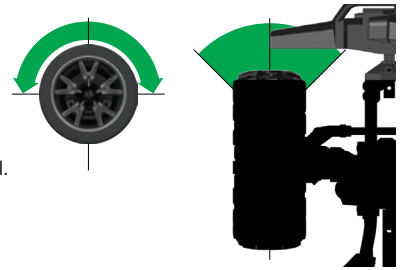


1-888-TRAXXAS

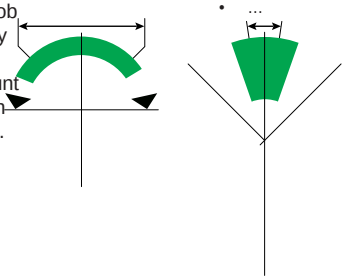
Steering Sensitivity (Exponential)

The Multi-Function knob on the TQi transmitter can be programmed to control Steering Sensitivity (also known as exponential). The standard setting for Steering Sensitivity is “normal (zero exponential),” with the dial full left in its range of travel. This setting provides linear servo response: the steering servo’s movement will correspond exactly with the input from the transmitter’s steering wheel. Turning the knob clockwise from center will result in “negative exponential” and decrease steering sensitivity by making the servo less responsive near neutral, with increasing sensitivity as the servo nears the limits of its travel range. The farther you turn the knob, the more pronounced the change in steering servo movement will be. The term “exponential” comes from this effect; the servo’s travel changes exponentially relative to the input from the steering wheel. The exponential effect is indicated as a percentage—the greater the percentage, the greater the effect. The illustrations below show how this works.

Normal Steering Sensitivity (0% exponential):
In this illustration, the steering servo’s travel (and with it, the steering motion of the model’s front wheels) corresponds precisely with the steering wheel. The ranges are exaggerated for illustrative purposes.



Decreased Steering Sensitivity (Negative Exponential):
By turning the Multi-Function knob clockwise, the steering sensitivity of the model will be decreased. Note that a relatively large amount of steering wheel travel results in a smaller amount of servo travel. The farther you turn the knob, the more pronounced the effect becomes. Decreased steering sensitivity may be helpful when driving on low-traction surfaces and when driving at high speed. The ranges are exaggerated for illustrative purposes.



Traxxas Stability Management (TSM)

The Multi-Function knob on the TQi transmitter can be programmed to control Traxxas Stability Management or TSM. TSM allows you to experience all the speed and acceleration that was engineered into your Traxxas model by helping you to maintain control of the vehicle in low-traction situations or over rough terrain. TSM also dramatically improves braking control and makes corrections for you, without intruding on your fun, or creating unexpected side effects.