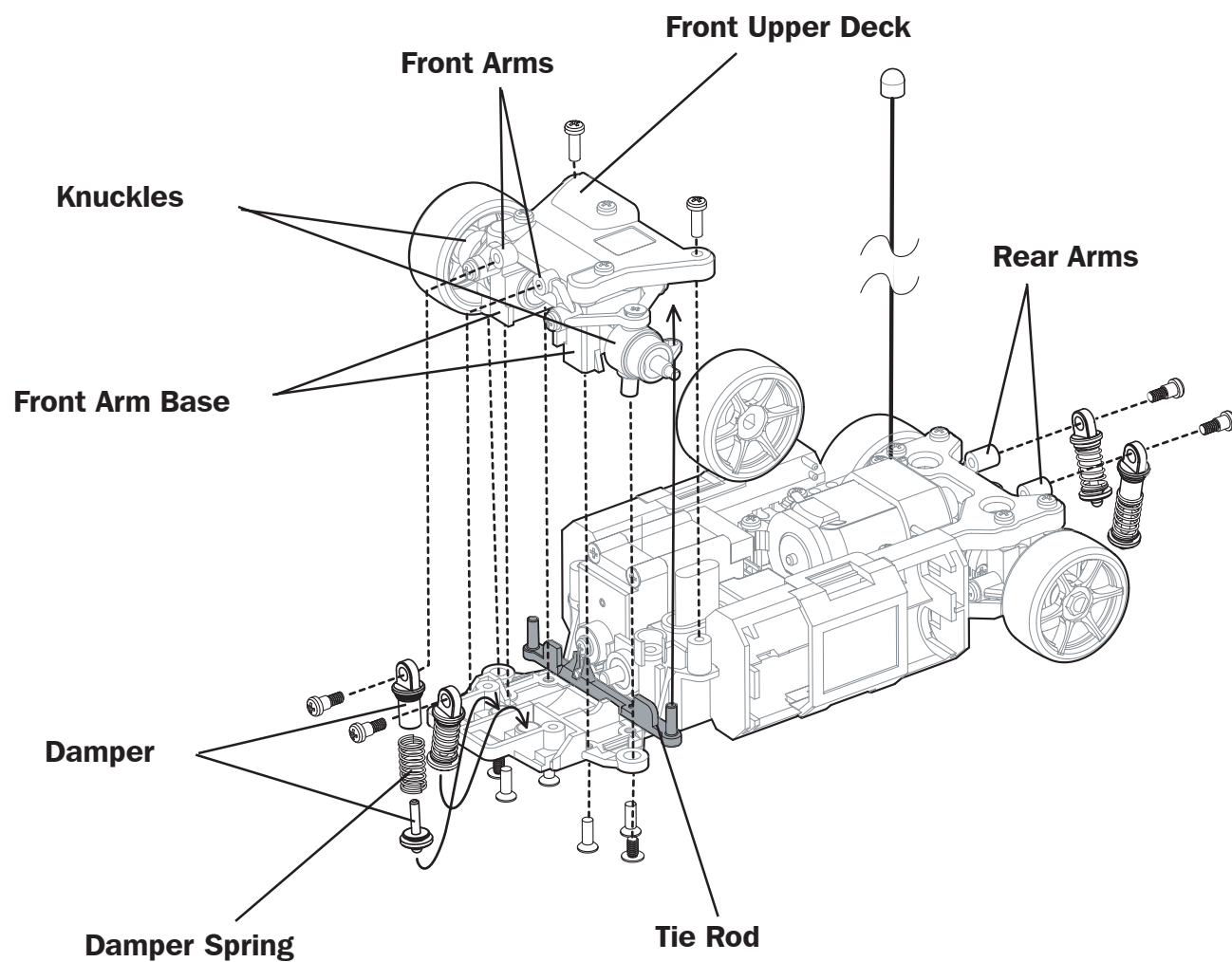






XMODS™ Custom RC

Steering and Suspension Upgrade 60-8505

When you need to adapt your vehicle's handling performance to varying driving conditions, the steering and suspension upgrade will enhance your competitive edge. This upgrade consists of three kinds of tie-rods and three damper springs. Change out the dampers and springs to improve handling on different driving surfaces. Change out the tie rods to adjust and improve steering.



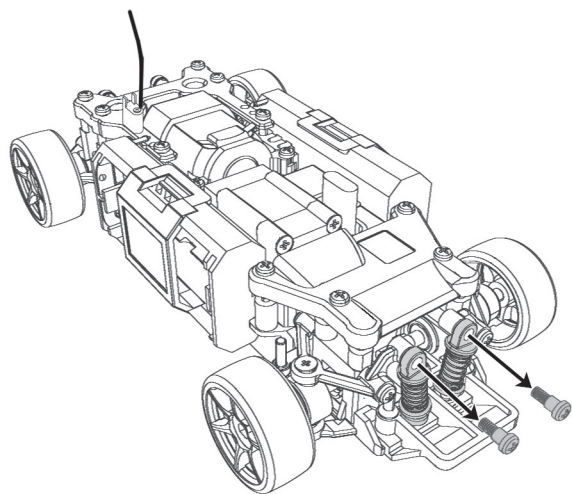
Note: The front wheel is detached to show the location of the tie-rod. Wheels do not have to be removed to change out the dampers and springs.

Suspension and Steering Upgrade Screw Guide				
Screw				
Location	Damper	Front Upper Deck	Front Arm Base	Front Knuckles
Quantity	2	2	4	2

Changing the Dampers and Springs

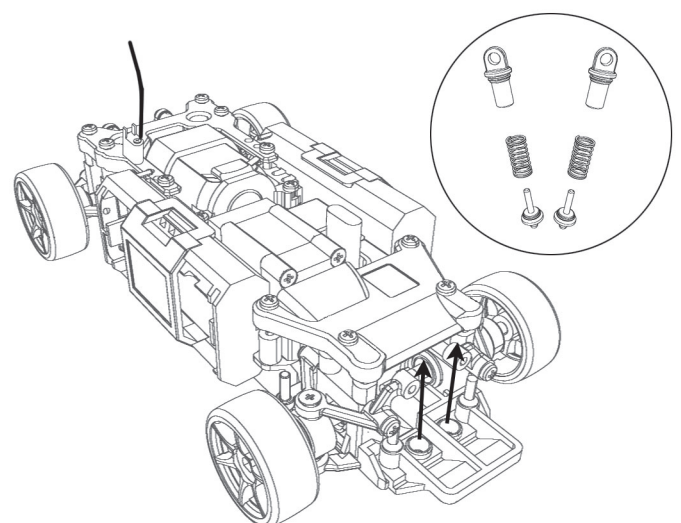
1

Remove the two screws connecting the **damper** to the front or rear arm.



2

Assemble the desired **spring** color with the **damper**. Insert the **damper** back in the hole and screw the **damper** back into the front or rear arm.



Body Roll **Traction**



Tuning Tips

- To adjust for oversteering, use softer springs in the front and stiffer springs in the rear.
- To adjust for understeering, use stiffer springs in the front and softer springs in the rear.

Spring Color	Spring Stiffness
Red	Soft
Yellow	Medium
Blue	Stiff

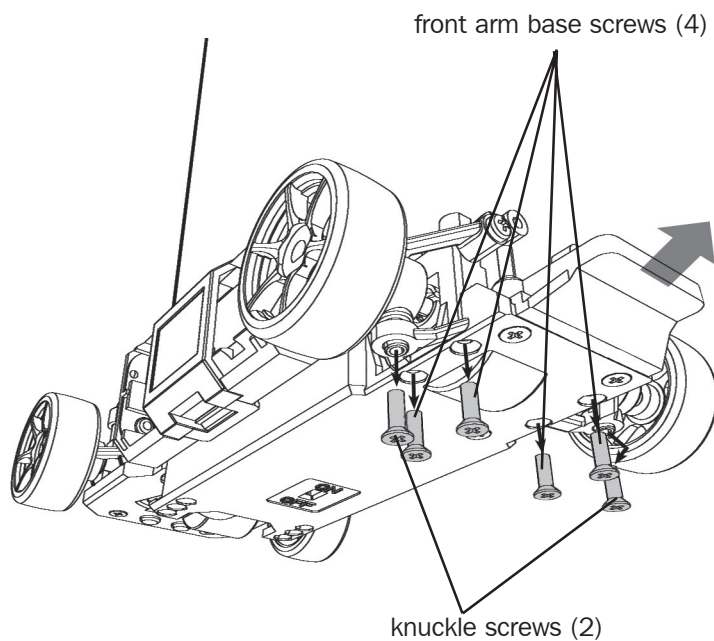
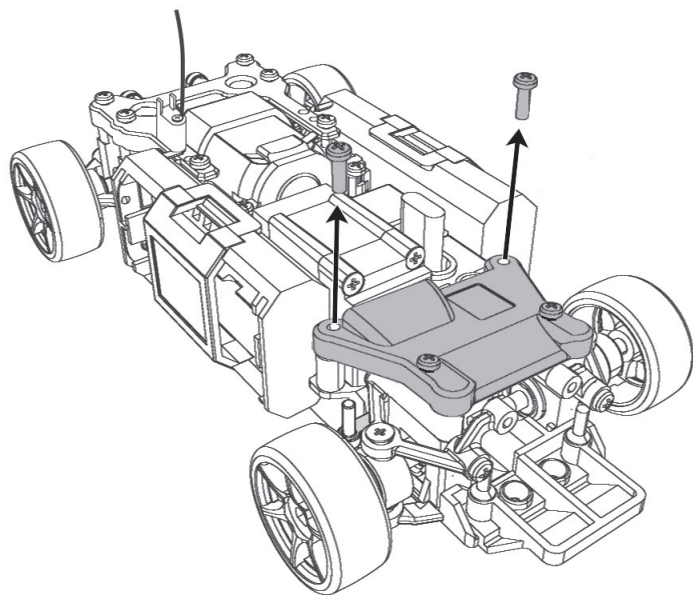


Changing the Tie Rod

Before changing the tie rod, detach the front dampers as described on page 1.

1

Remove two screws from the **front upper deck** as shown in the diagram to the right.

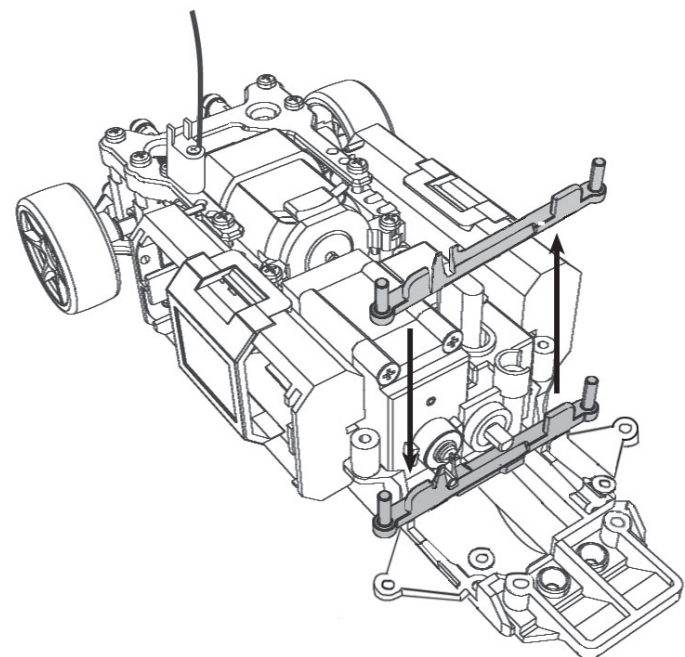


2

Remove the screws from the front left and right **knuckles** to detach the **knuckles**. Remove the four screws from the **front arm base** to detach the **base** and the **front upper deck**.

3

Change out the current tie rod for the desired **tie rod**. During reassembly, make sure the right and left **tie rod pegs** go up into the slots at the rear of the right and left **knuckles**.



4

Reattach the front upper deck.

Tuning Tips

- You do not always need to upgrade the tie-rods, dampers, and springs at the same time. There may be driving conditions where you only want to modify one of these performance handling parts.
- Different combinations of tie rods and springs will give you optimal driving performance. The higher the degree, the tighter the turning radius of the car.
- When upgrading your car, it is best to work on a large, level workbench or table. If you drop a small part, it will be easier to locate if it lands on a table rather than the floor.
- Note which screws you remove from each location. You will need to reinsert them later. Refer to the screw guide to determine the proper screws to manipulate while upgrading your motor.

Toe-In Degree	Usage
1.5 degree	Straight stretches and speed
3 degree	Some straight stretches and curves
4.5 degree	Tight and curvy roads

- Do not overtighten screws when reassembling the car.

