

GETTING STARTED

CAUTION-ELECTRIC TOY

NOT RECOMMENDED FOR CHILDREN UNDER 8 YEARS OF AGE
AS WITH ALL ELECTRIC PRODUCTS, PRECAUTIONS SHOULD BE
OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC SHOCK

PARENTS PLEASE NOTE: IT IS RECOMMENDED THAT THIS TOY BE
PERIODICALLY EXAMINED FOR ANY FAULTS AND SHOULD NOT BE
USED UNTIL REPAIRS ARE MADE.

POWER PACK RATING: INPUT: 120VAC, 60Hz, 450mA
OUTPUT: 22.0VDC, 1A, 22.0VA; 12.0VDC, 1A, 12.0VA; 8.0VDC, 1A, 8.0VA

IMPORTANT!!

- Always clean the track before you start racing. Use an eraser or coin to clean the track rails, then a clean, dry cloth to wipe away residue.
- Blow out any material that may have fallen into the slots.



NEVER use Steel Wool to clean the track.

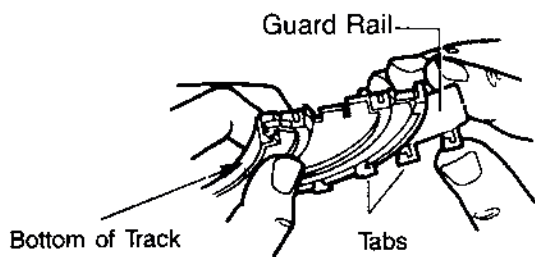
GO TO AFXRACING.COM FOR ADDITIONAL TIPS AND VIDEO INSTRUCTION

1 Choose a layout from the Instruction Sheet.

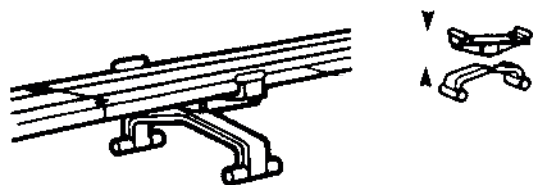
2 Assemble track pieces on a flat, clean surface, preferably not on carpet.



3 Attach a guardrail to each curve section.

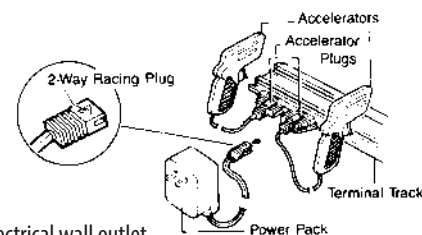


4 Snap the bridge supports together and attach to track as needed.



5 The 2-Way Racing Plug allows you to change direction of travel.

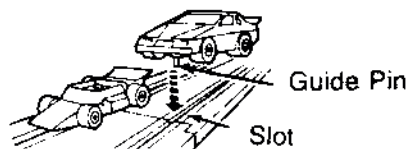
6 Slide the controller plugs and 2-Way Racing Plug into terminal track as shown.



Plug power pack into an electrical wall outlet.

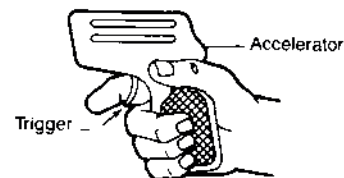
If power cord is damaged in any way, **it must be repaired or replaced** by the manufacturer or a similar qualified person to avoid a hazard.

7 Place cars on track. Make sure guide pin fits into slot.



Operate only 1 car per lane!

8 Squeeze trigger to make cars go faster. Release trigger to stop the car.



NOTE: Occasionally, preservative will cause the controller to emit a little smoke when used the first few times.
This is normal and goes away after several minutes.

9 Always disconnect the power pack when not in use. Never pull on wires, only pull on the plug.

PERFORMING A TUNE-UP

To keep your car running its best, here's the mechanic's guide to AFX tune-ups. A Tune-up Kit is included in your set.

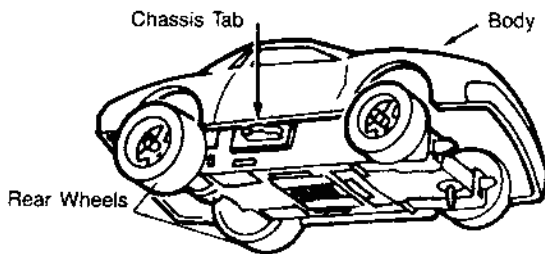
The *AFX Tune-up Kit*, which includes all the parts you need for a complete tune-up, is sold separately.

TIP: Before you begin, place a piece of white paper under your work area to make pieces easier to find.

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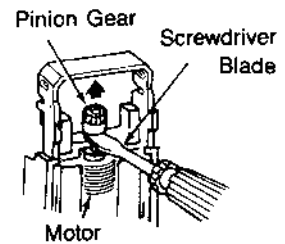
1 Removing Body

- Hold rear wheels. Pull out on one side of body until it clears the chassis, tab, then remove body.



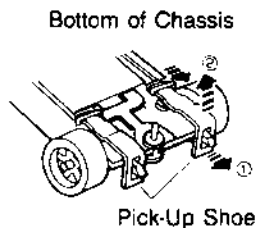
5 Replacing Pinion Gear

- **NOTE:** Rear axle must first be removed before replacing pinion gear (See section #4, "Replacing Rear Axle Assembly" for instructions).
- Insert small screwdriver blade as shown and push pinion gear rearward to remove.
- Slide new pinion gear onto motor. Push into place.



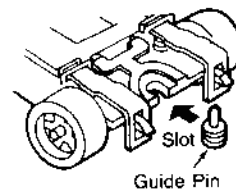
2 Replacing Pick-up Shoes

- Carefully pull pick-up shoe forward
- Lift shoe and remove
- Replace with new shoe



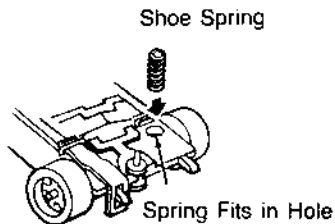
6 Replacing Guide Pin

- Simply push the guide pin out of slot and replace with new guide pin.



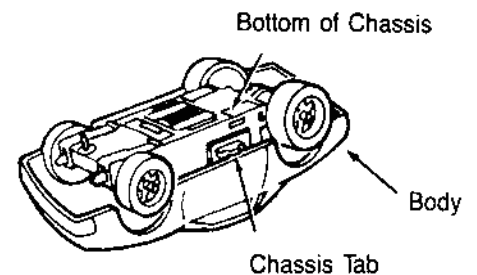
3 Replacing Shoe Springs

- After removing pick-up shoes (see "Replacing Pick-up Shoes" above), replace springs as shown



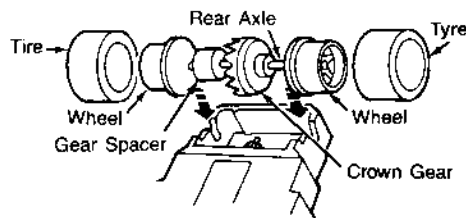
7 Replacing Body

- Slide one end of chassis tab into body then snap other side into place.



4 Replacing Rear Axle Assembly

- The rear axle comes assembled with gear spacer and crown gear in place. Simply snap rear axle assembly in as shown, then slide tires onto wheel.



TROUBLE SHOOTING

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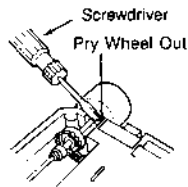
PROBLEM

SOLUTION

	Clean Tires	Clean Track, Rails	Replace Rear Axle Assembly	Check Track Connections	Clean Axles, Gears	Clean/Replace Pick-up Shoes	Realign Chassis or Adjust Wheels	Need More Break-in Time (~1 Hour)
CARS WON'T RUN		X	X	X		X	X	
CARS HESITATE		X		X	X	X		
CARS SQUEAK, MAKE NOISE			X				X	
CARS RUN SLOWLY		X	X			X	X	X
EXCESSIVE SPINOUTS	X	X						

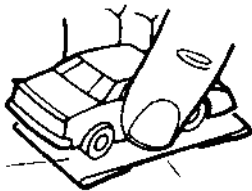
0 Adjust Wheels

- If the wheels rub against the inside of the body or the chassis, use a screwdriver to carefully pry the wheels out.
Note: Make sure the wheels do not extend past or rub the body



1 Clean Tires

- Place a strip of cellphone tape on a table as shown. Roll rear tires across the tape a few times.



2 Clean Track, Rails

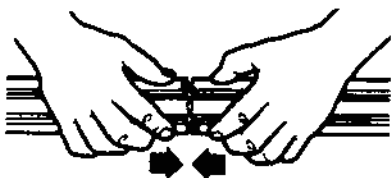
- See "IMPORTANT" at top of "GETTING STARTED" section.

3 Replace Rear Axle Assembly

- If the rear wheels rub against the car's chassis, see #4 in the "Performing a Tune-up" section.

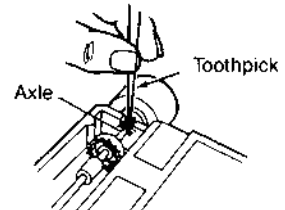
4 Check Track Connections

- Check that all track sections are properly connected.



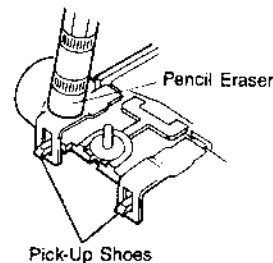
5 Clean Axles / Gears

- Use a toothpick to remove excess lint, dirt and dust from around axles and gears.



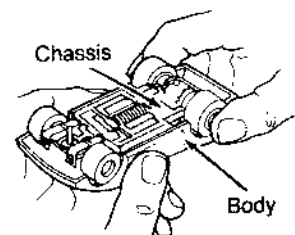
6 Clean / Replace Pick-up Shoes

- Regularly clean pick-up shoes by carefully rubbing with a clean pencil eraser or the track pad provided. After excessive wear, see #2 in the "Performing a Tune-up" section and replace shoes.



7 Realign Chassis

- Hold car upside down and center the chassis until it snaps back into position and tires no longer rub on body.



Limited Lifetime Warranty

Your new AFX set is warranted to be free of defects in materials and workmanship for as long as you own it.

If you have a problem:

1. Check the troubleshooting section in this manual and/or the Technical section at AFXRACING.COM
2. If you are still having trouble, contact us in one of the following ways:
 - Send us an email: info@afxracing.com
 - Call us: (877) 866-9239

Of course this warranty does not cover normal wear and tear, abuse or damage caused by improper maintenance.

Finally, Tomy and Racemasters, Inc. shall in no event be liable for incidental, consequential, contingent or any other damages. Our sole and exclusive liability shall be limited to the repair or replacement of the defective parts.

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