



Welcome to Strombecker Road Racing:

With your ownership of this Strombecker Road Racing Set you become a participant in America's fastest growing sport. And, you're doing it correctly because you now own top-quality equipment designed for years of service.

Since the very beginning of Model Road Racing, Strombecker has led the way as the unquestioned leader. Every minute detail from the car body and driver to wheels as well as all accessories, is planned to give you the maximum in racing realism. When you "drive" your Strombecker car on Strombecker equipment you experience all the thrills of competing on a famous racing course.

Strombecker has made many changes since introducing the first racing set in the U.S. in 1959. However, all Strombecker road racing accessories -- tracks, power packs, controllers, cars -- are interchangeable with any Strombecker set previously manufactured. In other words, you can continue to add to your Strombecker set and you are never "out of date."

Strombecker is an innovator and as such is constantly striving to give you the highest quality product attainable. Research, development and stringent production standards set the pace of the field. Our continuing quest for quality will insure your receiving the very best in Model Road Racing equipment.

We wish you good racing!

Very truly yours,

STROMBECKER CORPORATION

Bill Barnett

SECTION 1 / Trouble-Shooting Techniqu	es
Power Pack Check	2
Checking Car Operation	3
Terminal Track Test	5
Controller Test	
Track Test	6
SECTION 2 / Maintenance	
Pick-Up Braids	7
General Lubrication	
Track Maintenance	8
SECTION 3 / General Information	
Important Tips	9
Track Accessories	10-11
Home Set Cars	12
Authorized Service Stations	19 1/

INTRODUCTION

All of the components in your Strombecker Racing Set have been designed and engineered for rugged and reliable performance and are subjected to the most stringent quality control and manufacturing procedures. Under normal use the set will give long and trouble-free service with a minimum amount of maintenance. In the event that a malfunction develops in one of the components, this Road Racing Manual will aid the set owner in pinpointing and correcting the source of trouble. The manual is divided into two main sections — one section for Trouble-Shooting Procedures — and the other for Preventative Maintenance.

All information necessary to hook up and operate the set is contained in the instruction sheet. If, after following the instructions, the set fails to operate, we suggest carefully re-checking to make sure that the instructions have been faithfully followed; if the set still fails to operate, use the trouble-shooting section of this manual to determine the exact cause of trouble.

During normal operation of the set, periodically follow the simple preventative maintenance information which is outlined in Section II.

INDEX

SECTION

1

Trouble-Shooting Techniques If the set fails to operate satisfactorily after all set-up instructions have been carefully followed and re-checked, perform the step-by-step procedures outlined in this section to determine the exact cause of trouble.

If it is determined that an item in the set is not operating properly, send the defective item together with a letter of explanation to the address given below. **Do not return the entire set!**

Return Goods Department Strombecker Corporation 4646 West Lake Street Chicago, Illinois 60644

Power Pack Check

Check the following points in the order given to determine if the power pack is operating satisfactorily.

- 1. Is power pack plugged in?
- 2. Is power pack switch on?
- 3. Is the electrical outlet to which the power pack is connected a live outlet? (This can be checked by plugging in a lamp or other appliance to be certain that the outlet is supplying power.)
- If cable is equipped with protective fuse, open fuse holder and check fuse for burn-out; replace if necessary.

If all the above answers are yes, then a check for power output from the pack is necessary. Follow this simple step-by-step procedure:

- a. Unplug power pack cable from terminal track.
- b. Momentarily, short the power pack terminals by placing screwdriver against both of them at the same time. Look for sparks. (Figure 1A)

c. Sparks indicate that the power pack is functioning and steps d through f are not necessary.





Figure No. 1

- d. If sparks do not occur, remove the power pack cable from the pack, turn the pack off allowing two minutes for the circuit breaker to reset.
- e. Turn power pack on and test again. If no sparks occur pack is defective.
- f. If sparks occur re-connect power pack cable making certain that the forked terminals do not touch each other.
- g. Short the contact blades on the plug end of the cable together again looking for sparks. (Figure 1B).
- h. If sparks occur, cable is good. No sparks indicate a defective cable.

If it is determined that power is available at the plug end of the power supply cable, then the next test is to determine if the cars will operate when power is applied directly to the pick up braid. First, examine each car to make sure that there is no binding in the gear mesh and that the rear wheels and motor rotate freely.

Now apply power to the pick up braids with the

Checking Car Operation power supply cable plug as shown (Figure 2). Make sure that the power supply is on. The motor should

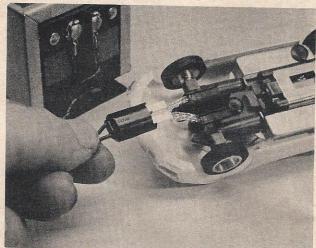


Figure 2

operate and the rear wheels should rotate at high speed. If car does not operate check the connection of the wires from the motor to the pick up braid to assure that there is good connection and try testing again. If car still fails to operate, then the motor is defective and must be replaced.

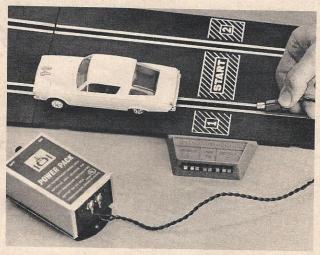


Figure 3

If car operates properly, set it on the track (Figure 3) and touch the plug of the power supply cable to the track rails as shown. The car should immediately jump ahead indicating that power is being

transmitted through the rails to the pick up braid. If the car does not jump ahead adjust the braid as shown in Section II of this manual and try the test over again. Make sure that the pick up braid has not collected a lot of dust which may insulate it from the track.

If all tests up to this point have checked out, but set still fails to operate, the trouble may be in the terminal track section. To determine this, make the following simple test:

Plug the power cable into the terminal track and place the cars on the lanes. Using a screwdriver, short the two terminals which are closest to each other in the grouping of three contacts for each controller (Figure 4). Cars should jump ahead at



full speed. If they do not, turn the terminal track over and check to make sure that there are no loose connections leading from the terminal track into the track rails. Also check to be certain that cable plug is clean and making good electrical contact with terminal track contact fingers. Clean plug contacts, if necessary, with fine sandpaper or pencil eraser.

If the cars operated when the terminal track connections were shorted together in the terminal track test but do not operate when the controllers Terminal Track Test

Figure 4

Controller Test are plugged in to the terminal track, the controller may be defective or there may be a poor connection between the controller plug and terminal track. This can be verified by reversing the controllers to see if one controller is consistently defective. Also clean controller plug contacts with fine sandpaper or pencil eraser to assure good electrical contact.

Track Test

If all tests which have been performed up to this point have yielded positive results but the car still fails to operate on one specific track section, this is an indication that the track sections are not making good electrical contact as they are plugged together.

First, make sure that the track sections have not become separated and that all track locking pins are in place. The entire track circuit must be clean and free of dust and dirt. If this does not solve the problem, operate the car and let it come to rest on the dead track section, then remove this section of track from the layout. Very carefully bend the rail contact tabs on the female portion of the mating tracks to assure that when the track is plugged back into the layout there is a good metal to metal contact between the rails (Figure 5). This will

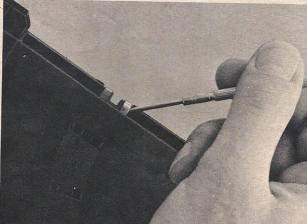


Figure 5

eliminate any dead tracks which are present in the layout. Then check to see if all track locking pins are in place. SOME SIMPLE PREVENTIVE MAINTENANCE PROCEDURES ARE OUTLINED IN THIS SECTION WHICH WILL ASSURE TOP OPERATING PERFORMANCE FROM ALL COMPONENTS IN THE SET. NORMALLY, AS YOU USE YOUR SET AND BECOME FAMILIAR WITH THE OPERATION OF THE CARS, CONTROLLER, ETC., THESE PROCEDURES WILL BECOME SECOND NATURE AND YOU WILL FIND YOURSELF PERFORMING SOME OF THESE PROCEDURES AUTOMATICALLY.

The pick up braids are very important since they transmit the power from the track to the motor. They take a lot of punishment and are subjected to much abuse; therefore, it will be necessary to periodically check the braids to be certain that they are making good contact with the track rails



and that they are not dirty or worn to the extent that they cannot function properly. Always make sure that the pick up braids are clean, properly shaped (Figure 6) and performing satisfactorily before

starting a race. The braids may be cleaned with naphtha or other similar cleaning fluid. Generally speaking, it will become obvious when the braids need replacement. The simplicity of the installation is self-explanatory when examining the pick up.

Occasional lubrication of bearing surfaces is necessary to maintain top performance; however, it should be noted that over-lubrication is just as harmful as under-lubrication since excessive oil attracts lint and dirt. A small amount of light grease should be applied to the front and rear axle bearings as well as to the crown and pinion gears. A very small amount of oil — 1 drop — should be applied to the armature shaft bearings at each end of the motor. We recommend Strombecker oiler as an excellent accessory for this purpose. This is all the lubrication that will be necessary and if done properly will greatly improve the performance of the car.

SECTION



Maintenance

Pick-up Braids

Figure 6

General Lubrication

Tires

The performance of any car is greatly dependent upon the ability of the tires to maintain good contact with the track surface and grip the track positively around turns to prevent spin-outs. The condition of the tires should be checked periodically to see that they are not excessively worn or dirty. Tires should be replaced when excessive wear is noticed. To obtain best performance from your cars the rear tires may be sanded slightly. Sanding the tires is accomplished as shown (Figure 7). Place the car on the track with the rear tires raised over



Figure 7

a piece of medium grade sandpaper. Operate the controller so the rear tires rotate at high speed. It is not necessary to remove a lot of material from the tires — just lightly set the rotating tires down on the sandpaper. **Caution:** Do not "stall" the motor while sanding the tires.

Track Maintenance

Do not take your track surface for granted. It does require care just like any other component in the set to assure top performance. Before starting a race make sure that the track surface is wiped clean and that the track rails are clean and bright. If necessary, use a cleaning fluid to assure that the surface is free of all grease and dirt. **Do not** use a cleaning solvent which "attacks" plastic material. Before using any solvent on the track surface test it by applying a small amount to the under side of a track section. Also make sure that no foreign objects have become lodged in the slot which will interfere with the normal performance of the cars.

SECTION General Information Important Tips

THE FOLLOWING INFORMATION IS PRESENTED IN GENERAL FORM TO PROVIDE OPERATING GUIDE LINES FOR THE BEST USE AND PERFORMANCE OF YOUR ROAD RACING SET:

Never operate your road racing set with only one crossover track section or one over and under crossover section in the layout. Lane changing tracks must always be operated in pairs to assure that the car will return to its original lane before it makes one complete circuit. A layout with only one crossover will not function properly and the complete circuit.

function properly and may result in damage to the power pack.

When placing a mechanical lap counter into your layout make sure the cars run in the proper direction for operating the lap counter. This direction is clearly indicated by an arrow on the lap counter track and the cars should always run through the lap counter in that direction. If a car is made to run backwards through the lap counter, possible damage to the lap counter actuating spring may result.

● In the event that the two cars in your racing set run in opposite directions from each other, this can be easily corrected by simply reversing the wires which connect from the motor to the pick-up braid. Simply remove the two

wires from the pick-up, reverse, and re-insert.

• Always make sure that the motor wires are inserted tightly into the pick-up to insure good electrical contact with the pick-up braid. A loose connection at

this point will cause erratic operation of the car.

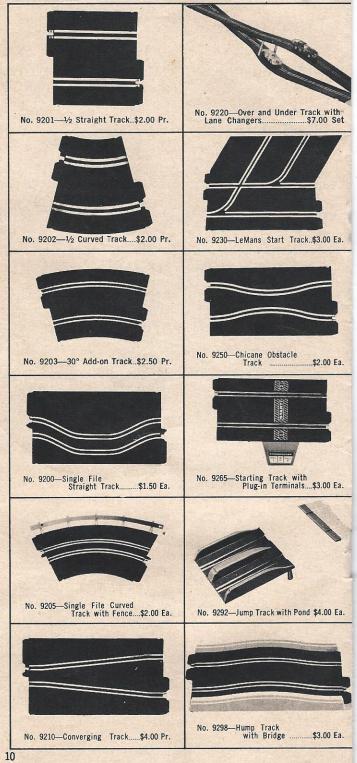
- An overheated controller can be caused by tight gear mesh in your chassis, tires rubbing on the body shell, binding in the rear axle bearings, accumulation of dirt, or any other condition which tends to put an excessive load on the motor. During normal operation the controllers will become warm, but should never get so hot that they become uncomfortable or begin to smoke. If this occurs be sure to examine your car for all the points suggested above before suspecting a defective controller. Also, make sure that the car which you are operating on this track is rated for home set use, and is not a high current "competition" type car.
- Never lay metallic objects on the track or allow foreign objects to become lodged in the slot.
- Never attempt to operate competition type racing cars on your home racing set unless the set is equipped with competition type controllers and power supply. Failure to observe this caution may result in damage to your set.

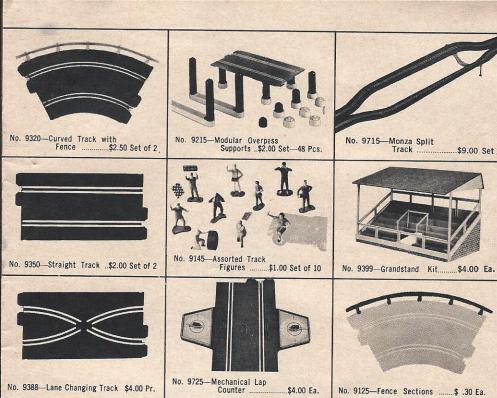
● For improved traction a small amount of "oil of wintergreen" can be applied to the rear tires. This may be purchased at any drug store for a very nominal cost.

- The chassis is mounted to the body shell with friction fit plastic push fasteners. The chassis may be removed easily from the body by simply prying out the fasteners gently with a screwdriver, pocket knife, or other thin bladed tool.
- When your set is not in use make sure that the power pack line cord is disconnected from the wall outlet as a precautionary measure against possible damage.

Track Accessories 1/32 Scale

Make your set more interesting and more challenging. Use these accessories to modify your layout. Buy them at your favorite hobby dealer. Retail prices are indicated with each item.













..\$9.00 Set

No. 9305-Home Set Controller \$3.00 Ea.



Service Accessories





No.	Item	Each Retail	Inner Pack	Master Pack	Wt
9035	Pick-up Wires (4)	\$.39	1 dz.	6 dz.	4
9046	Pick-up	.49	1 dz.	6 dz.	4
9081	Steel Gear Assortment	.98	1/2 dz.	3 dz.	4
9090	12 Volt Wasp Motor, w/pick-up (Tin-Can type)	2.50	⅓ dz.	3 dz.	5
9091	12 Volt Printed Circuit Motor	2.50	½ dz.	3 dz.	5
9093	Working Headlights (2)	.98	1/2 dz.	3 dz.	2

PORSCHE CARRERA 6



No. 9500—1/₃₂ scale.....\$5.00 No. 6406—1/₂₄ scale....\$7.00

FERRARI P-2



No. 9575—1/32 scale.....\$5.00 No. 6404—1/24 scale....\$7.00

1/32 and 1/24 Scale **Home Set** Cars

For best results use 1/32 scale cars on 1/32 track and 1/24 scale cars on 1/24 tracks

FORD J





LOTUS 30





No. 9590—1/32 scale..... No. 6402—1/24 scale.....

McLAREN MARK II



No. 9545—1/32 scale.....\$5.00



AMERICAN GT COUPE

Mc KEE



No. 9535—1/32 scale.....\$5.00

No. 9570—1/32 scale.....\$5.00

AMERICAN



No. 9595—1/₃₂ scale.....\$5.00 No. 6403—1/₂₄ scale....\$7.50



No. 9600—1/32 scale.....\$5.00



MONZA WALL No. 6304 \$9.00 set

1/24 SCALE

ACCESSORIES



CURVED TRACK & FENCE SET (2) No. 6302 \$3.50 pair



STRAIGHT TRACK SET (2) No. 6301 \$3.00 pair



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ALABAMA

Birmingham Spivey Hobby & Toy 1305 Tuscaloosa Ave.

ARIZONA

Phoenix Flori's Hobby Haven 1618 E. Thomas

CALIFORNIA

Bakersfield Riverview Hobby Shop 215 Roberts Lane

Beliflower Earle's Hobby & Camera Center 17439 South Beliflower Blvd.

Arthur's Toy Shop 3033 Blackstone

Inglewood
Western States Service Center
1313 No. La Brea Ave.

Los Angeles Bell Services 1247 West Florence Bernie's Hobby Center 7560 Melrose Ave. Natick Store 209 West 4th St.

Pasadena Macabob Toys Co. 2980 E. Colorado Blvd.

Alro Hobby 19314-16-18 Vanouer St.

Rowland Heights Hobby Lobby 18402 Fifth Ave.

San Jose Marstan Crafts & Hobbies 1319 Santa Monica Blvd.

COLORADO

Denver Downtown Hobbies 1514 California Street

CONNECTICUT

Manchester Manchester Hobby Inc. 403 Center Street

Middletown Amato's 420 Main Street

New Britain Amato's 220 Main Street

DELAWARE

Wilmington Hobbi-Art, Inc. 4713 Kirkwood Hwy.

FLORIDA

lami Aljo Hobbies Cutler Ridge Shopping Center Toby's Toyland Inc. 14259 N.W. 7th Ave.

GEORGIA

Forest Park
Buddy's Toy & Sporting Store
4907 Jonesboro Rd.

IDAHO

Boise Knight's Hobby Shop 1500 N. Garden Ave.

ILLINOIS

Chicago American Toy Dist. 11362 S. Michigan Brewer's Hobbyland 7650 Irving Park Rd. Clear-Ridge Hdwe. 6122 W. 63rd St. Gross Radio & Electric Shop 6767 Stony Island Ave. Hobbymodels, Inc. 2358 W. Devon Ave. Hobby Service & Supply 6 E. Randolph St. Pilot Paint & Varnish Co. Pilot Model Shop 5450 Belmont Ave. Rich's Hobbyville 3838 N. Cicero Ave. "Stu" De Jong & Son 34 E. 112th Place Weitz TV & Hobby 2609 West North Ave.

Zenith Hobby Shop 6021 Irving Park Rd.

Airplane Model & Hobby Shop 6129 Cermak Rd.

Glenview N.A. Klipper Co. 1314 Waukegan Rd.

Highland Park
Cycle & Hobby Shop
486 Central Ave.

Hoffman Estates Twinbrook V & S Hardware Plaza Shopping Center

Walt's Hobby & Model Shop 32 W. Clinton St.

La Grange La Grange Hobby Center 11 West Calendar

The Train Shop 606-4th Ave.

Round Lake Avon Hardware & Sports 916 West Rollins Road

Rushville Hardware Co. South Side of Square

INDIANA

Fort Wayne Hobby Town 3430 North Anthony Blvd.

Indianapolis
Hobby Craft Shop
3741 Hillside Ave.

Kokomo Toy Mart 2925 South Washington St.

IOWA

Fort Dodge Hobby Craft Shop 25 South 12 Street

Waterloo D & W Little Train Shop 1025 Williston

MARYLAND

Severna Park Model Raceways 81 Annapolis Blvd. (Continued back page)

MASSACHUSETTS

Fitchburg
Fitts Photo & Hobby Shop
510 Main St.

Northampton J. L. Childs & Son 25 State Street

Newtonville Bob's of Newton, Inc. 14 Austin St.

MICHIGAN

Benton Harbor Twin City Hobby Shop 585 W. Main St.

Detroit Bob's Bicycles & Hobbies 15417 Beech Daly

Grand Rapids
C. A. Meyers Hobbyhouse
227 S. Division Ave.

Highland Park Fromm's Hardware 13975 Woodward Ave.

Muskegon Karel's Toys & Hobbies 936-40 Pine St.

MINNESOTA

Minneapolis
Paul Hein, Jr.
3027-17th South
Hobby Craft House
6238 Lyndale South
Jerry's Toys & Hobbies
St. Anthony Village
Shopping Center

Moorhead Little Giant Hobby-Craft 412 Main St.

St. Paul Jos. A. Kush Co. 865 Front Ave.

MISSOURI

Crestwood
The Hob-Bee Hive
9705 Watson Rd.

NEBRASKA

Scottsbluff Toy Castle 1814 Broadway

NEVADA

Greenbrook
Tiny Tots Inc.
U.S. Route 22

Hazlet Instant Speedway Airport Plaza Shopping Center

Las Vegas
Little Podner Children's Store
3131-A South Highland

No. Plainfield A. Edelheit 240-Carol Rd.

Vineland Wyckoff's Raceway 62 Landis Ave.

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Albany
Hobby Town
228 Central Ave.
Centereach

Centereach
Fletcher's Hobby House
2588 Middle Country Rd.

Jackson Heights
Alice Stamp-Coin & Hobby Shop
7416 Roosevelt Ave.

Syracuse

Model Railroad and
Hobby Center, Inc.
210 East Fayette St.

Utica A & J Hobby House 19 Auburn Ave.

OHIO

Bryan Carroll-Ames Company 222 West High Street

Canton Schrock's Hobbies & Raceways 2915 W. Tuscarawas St.

Cincinnati
Cincinnati Slot Racing Center
3154 Madison Rd.

Cleveland Hobby House Inc. 800 Huron Rd.

Columbus Nwarb's Hobby House 1889 Sullivant Ave.

over Snyder Bicycle & Hobby Shop 320-330 N. Tusc.

The American Feed & Hardware Store 1101 N. Cole St.

Clearview Hobby & Gift Shop 4113 Elyria Ave.

Lyndhurst Lenny's Radio, TV & Hobby Corp. 5367 Mayfield Rd.

Ravenna Jack & Jill Shoppe 232 W. Main

Sandusky The Craft Shop 601 Reese St.

Tiffin
Bollinger's Hobby Shop
120 S. Washington St.

Warren
Trumbull Camera & Hobby Shop
Trumbull Plaza

Youngstown Amer's Hobby Shop 6010 Market St. Boardman Hobby Center 7411 Market Street

PENNSYLVANIA

Brentwood
Trainorama, Inc.
3401 Saw Mill Run Blvd.

Danville Bills' Hobby Shop 283 Mill Street

McKeesport Oddo's Hobby Center 422 Fifth Ave.

SOUTH CAROLINA

Philadelphia Hill Cycl[®] Shop 8135 Germantown Ave.

Train Land U.S.A. 105 Belvidere St.

New Kensington T & C Hobby House 724-5th Ave.

Nazareth

Clover Clover Repair Service 209 Knox Street

SOUTH DAKOTA

Rapid City
Toy Hobby Center
522 St. Joe St.

Sioux Falls Universal Hobby Shop 222 South Main Ave.

TEXAS

Houston G & G Model Shop 2522 Times Blvd. Hobbies Unlimited 8727 Katy Road

UTAH

Salt Lake City Skip's Hobby House & Marina 4705 Holladay Blvd.

VIRGINIA

Hampton Hampton Hobby House, Inc. 1125 North King Street

WASHINGTON

Yakima Clover-Leaf Arts-Crafts-Hobbies 105 North 3rd St.

WEST VIRGINIA

Huntington
Phillip's Trains & Hobbies
1140-16th St.

Nitro The Hobby Shop Box 116

WISCONSIN

Kant's Toy Shop 416 State St.

T. R. Driggett Bike & Raceway 6539 W. Fond Du Lac Avenue

Monroe Ace Hardware No. 93 1630-11th St.

WYOMING

Casper Dick's Train Service 1104 So. Walnut

Cheyenne
Cheyenne Hobby and Novelty Co.
432 Cole Shopping Center
P. O. Box 2206