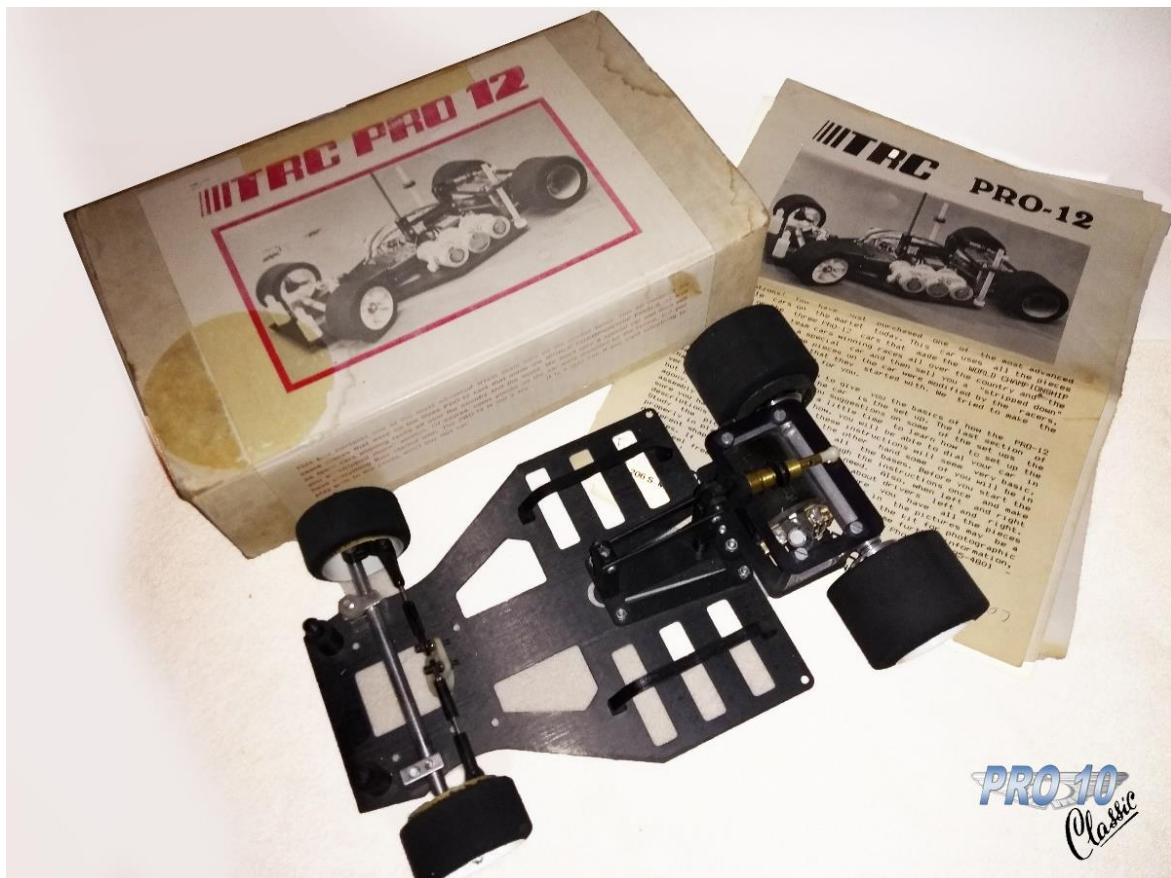


Bob Light's TRC car had Trinity motor, Tekin speed control, Novak receiver, Futaba servo, and Sanyo batteries.



PRO-10
Classic

TRC's Pro 12 . . .

. . . The Ticket

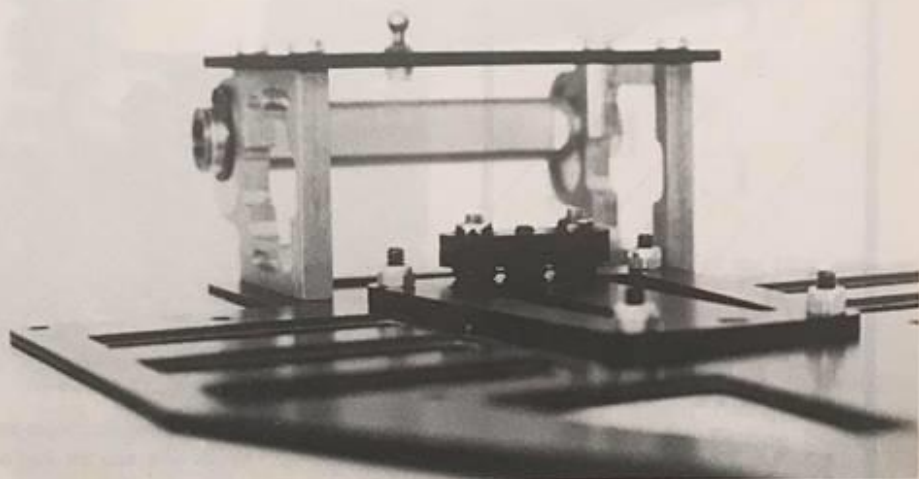
By Eric S. Gudger

1986 was a resurgent year for 1/12th scale activity. The outlook for this year is even more impressive. Ever since last year's World Championship, excitement has heated up about current technology in 1/12th scale radio controlled racing. Since that race, the TRC Pro 12 has maintained its presence as the most dominant production car available. The Pro 12 is a simple, yet effective, car designed by racers for racers.

Tate McDaniel built the original prototypes using components modeled after various cars on the market. The production car continues this practice. A quick inspection by the knowledgeable racer will identify these various theories. But the Pro 12 goes beyond the sum of its different parts. The TRC Pro 12 could quite possibly be the best car for the beginner, intermediate, or independent expert racer.

What makes the Pro 12 so adaptable to all levels of racers is the use of high quality yet simple components throughout the car. The beginner or intermediate racer can race the car as it comes in the kit. The expert racer can simply and easily adjust the car to his requirements. Whatever the need, the TRC Pro 12 is easily adaptable.

The instructions do an excellent job in helping with the assembly of the car. As always you should begin assembly after you have read the instructions thoroughly. It is a lot easier to put a car together once you are familiar with the correct procedures. Instead of referring to certain pictures or steps in the instructions, I will give you some guidance with the important areas and with areas that I have changed to my car. This car can and is run as it comes from the factory by many racers throughout the country. To whatever degree of competitiveness you build the car, just rem-



This is the correct location for the o-rings.

er to continue using the same quality components it originally came with.

To prepare the chassis, elongate the middle chassis holes so that the batteries can be taped into place. Be sure to file the chassis so the tape is not cut by a sharp edge on the chassis. File the battery slots so that the batteries fit as low as possible in the chassis. The batteries must not extend below the bottom of the chassis or the tape will be ineffective in holding the batteries in place. Once all the slots are filed, the batteries can be

glued together using silicone sealant or a glue.

Begin assembly of the front end by polishing the king pins with crocus cloth. The steering blocks must slide freely on the king pins. Once the action is smooth, apply some blue loctite to the bottom of a king pin and install that king pin. Position the axle blocks and a Delta No. 11325 collar on the axle. The collar is used as a reference point when adjusting caster on the car. Install the final king pin. It is important that you measure the king pins for straightness in rela-

**CALL
MICHAEL**



DEALERS!

If it's the best in R/C and slot equipment you need he's got it. And he gets it to you fast.

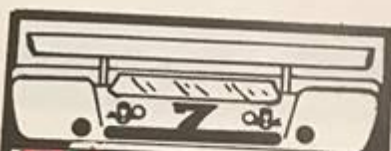
Replacement parts too.

914-592-5375, 5397

ERI

associates, inc.

380 North Saw Mill River Rd. Elmsford, NY 10523



R World Hobbies

A 

C
E
R
S

R/C
G
E
D
E
G
E

EXPERTS

1/10 AND 1/12

SCALE

CARS
PARTS

&
ACC.

FOR
ORDERS
OR

FREE FLYER

CALL

800-358-0766

ILL. 1-312-428-4340

A Division of

World Hobbies

1A Lakewood Plaza

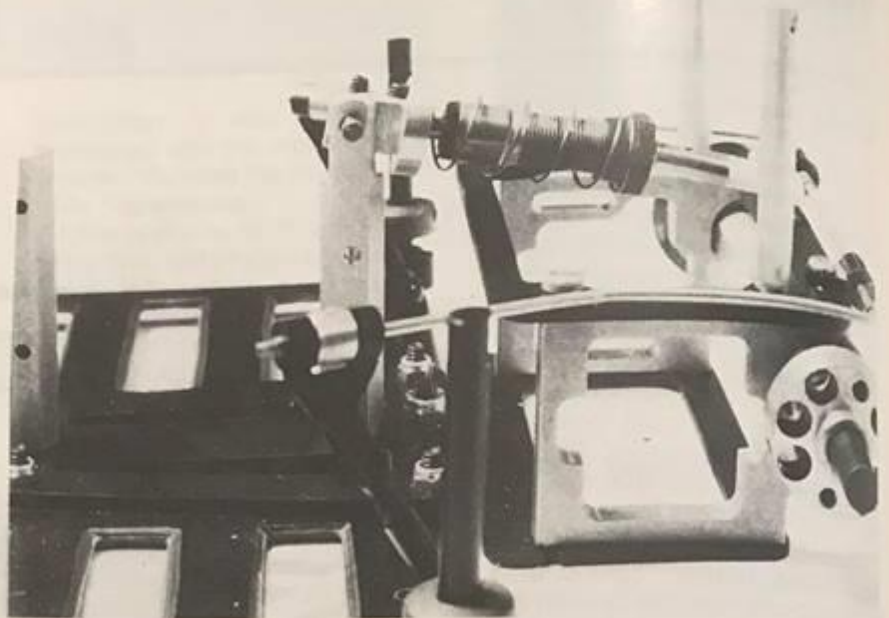
Carpentersville,

Illinois 60110

Mon.-Fri. 9AM to 8PM

Sat. 9AM to 5PM

Sun. 10AM to 4PM



Installed are the All Pro Racing aluminum shock and antenna mounts, the Delta Aluminum shock end, and the Bud's Racing Products sway bar.

relationship to each other.

Once you are sure that everything is straight, install the two set screws in the end of the axles. File the excessive length of the king pin sticking below the axle. Install the front axle assembly using a Delta No. 10965 high torque screw in the front axle block, and use a Delta No. 10981 screw in the left axle block. These screws require a Delta No. 10387 socket bit for correct installation. They do an excellent job of keeping the front axle from rotating during a crash. I use them wherever a 8/32 screw is required.

In place of the plastic shock and antenna mounts, use the All Pro Racing No. 500 machined aluminum parts. These parts will greatly improve the rigidity of the chassis shock mount.

When installing the rear axle tube, it is very important that the axle remains loose in the left plastic axle block. In a severe crash a tight tube can cause the pod to tweak. The right block and the axle should fit tightly.

Probably the most important set up on the Pro 12 concerns the pivot bushing. This bushing must

pivot smoothly without sticking. There should be no lateral motion in the support brace.

The o-rings go on top of the support brace. Use one red silicone o-ring, Associated No. 5407, on the middle screw. Install a 3mm Dubro No. 2101 nylon nut so that the nut barely makes contact with the o-rings. Mount a Bud's Racing No. 1650 roll bar. Although the multiple o-ring set up works well, some drivers will find it beyond their ability to easily dial in the tweak with more than one o-ring installed. The roll bar allows the racer to easily and efficiently adjust the rear roll and tweak of the car.

Soften the shock internal spring before assembling the shock. Etch the spring for two hours in Radio Shack No. 276-1535 printed circuit board etchant. Complete the shock assembly using a Delta No. 16343 aluminum shock end.

For racers racing outdoors it will be necessary to fashion some wing tubes for the car. Thread one end of the Delta No. 11369 wing tubes with a 3mm x .5 tap. Use red loctite and install a Dubro 3mm x 25mm hardened screw in each

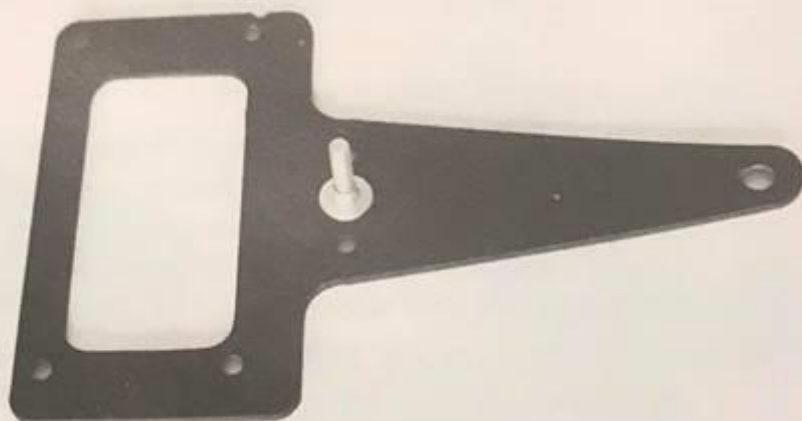
wing tube. Once the loctite has dried, cut the head of the screw off. Be careful at this step because the remaining thread must hold the top brace on the car. Finally, saw a slot in the top of the wing tube so that a screwdriver can be used to tighten the top brace.

When fashioning a support between the forward shock mount and the antenna mount, make a three point support brace. Along with the aluminum shock and antenna mounts, this set up will greatly add to the rigidity of the shock mount.

When centering the axle in the car, use the rear shock mount as the locating center for the center-line reference point. Use the new Bud's Racing No. 2110 diff pinning kit to keep the drive rings from spinning. Composite Craft computer matched "Super Balls" are installed in the Checkpoint 64 pitch gears. A Bud's Racing No. 2130 plastic spring washer is used to complete the right side assembly of the diff. The left side of the diff is completed with the installation of a Bud's Racing light weight hub No. 2350 and TRC No. 531 green tires.

Use Bud's Racing stainless steel 2/56 thread rod part No. 2020 and Dubro No. 181 2/56 ball links to connect the steering blocks to the Kimbrough servo saver. This has proven to be a successful method of tying the front end together. Use Associated No. 4340 springs on the front end before installing the TRC No. 435 full width green front tires. Silicone lube is used to dampen the front suspension action.

To complete the TRC Pro 12 we used the following equipment: Tekin ESC190 electronic speed controller, Novak NER-2S receiver, Futaba S32SH servo; Bud's Racing No. 5270 body washers, No. 6920 silicone wire, No. 6925 battery braid, No. 7460 silicone lube, No. 7510 4/40 hollow set screws, Reedy matched Sanyo batteries, A CAM Yokomo motor,



It is very important that the aluminum bushing mounts tight against the t-bar and in this position.

and Team Pit Stop No. 8000 mini ty-raps.

How did the car work? It was very predictable and smooth in its operation. The car is more than capable of winning considering its past successes. There were three Pro 12s in the A main at the World Championships, a Pro 12 set fas-

test time at the Cleveland 4 cell championships, the two fastest cars at the recent Trinity/Reedy were Pro 12s, the Florida State 1/12th Champions in both classes were Pro 12s, and the Region 2 Champion and all but one of the A Main finalist drove Pro 12s.

The Pro 12 is available in three



Modeler's Haven

HOBBY SHOP AND RACEWAYS

Specializing in Radio Control Cars
1/10th Scale Electric

Prompt Service on Parts Delivery
SAME DAY SHIPPING

(216) 499-6000

4255 PORTAGE ST. N. W.
NORTH CANTON, OHIO 44720

"EXPERIENCE YOU CAN TRUST"

different configurations to fit the requirements of the discriminating buyer. For those racers with a Delta Super Phaser, TRC offers a conversion kit, Part No. 102, complete with a graphite chassis. Just remove soon existing hardware for a complete car. For the local racer wanting a little more, TRC has a rolling chassis kit No. 101 available with a fiberglass chassis. For the seasoned veteran or the enthusiast, TRC has a full blown kit, part No. 100, with graphite chassis and all the required components, including the super smooth working Pro-Diff, to get you racing in a short period of time. Whichever kit you choose, you can be sure that each car comes with the latest technology available in 1/12th scale racing.

Maybe its about time you tried the winning "Ticket" with a TRC Pro 12.

Total Racing Connection
P. O. Box 478
Oakboro, NC 28129

Bud's Racing Products
P. O. Box 601
Amherst, OH 44001-0601

CAM Motors
P. O. Box 478
Oakboro, NC 28129

Team Pit Stop
15460 SW 256th Street
Miami, FL 33032

Composite Craft
2400 Sand Lake Road
Orlando, FL 32809

ARCAR
6071-E Buford Way
Doraville, GA 30340

Reedy Modifieds
3585 Cadillac Avenue
Costa Mesa, CA 92626



TONY P & BOB EMOTT

HOBBY SHOP

**"THE R/C RACERS
PARTS CONNECTION"**

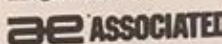
"*ONLY R/C CARS*"

**ALL THE 'TEAM' PARTS
AT DISCOUNT PRICES**

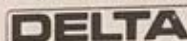
!!THIS MONTHS SPECIALS!!



"PACKAGE DEALS" YOKOMO 4wd kit w/
DELTA slipper, KYOSHO shocks, CRP
coil overs, bearings, & TRINITY
'graphite' chassis GREAT PRICE!!



"NEW RC-10" Strong & fast! BEST
2nd in racing! NOW IN STOCK!!



"MAT'S CHAMP SUPER PHASER" BEST
12/14 car! PLUS YOKOMO 4wd parts.

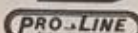
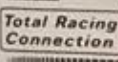
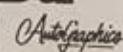
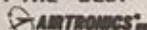
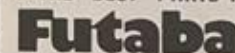


ALL the cars AND PARTS IN STOCK!! HOLIDAY
BUSBY rear tires! S/S front tires! AND all
the 'go fast' parts!! CHECK OUR PRICES



UNDISPUTED #1 for MOTORS & MATCHED
SANYO BATTERIES! The NEW off-road
TRINITY/KYOSHO motors and freshest
code SANYO ALLWAYS IN STOCK! WE'RE #1 with TRINITY!

& THE 'BEST' PARTS FROM THE 'BEST' COMPANIES!!



**"WE'RE MAIL ORDER
SPECIALISTS"!!**

**SAME DAY UPS SHIPMENT
CALL FOR ORDER
OR FREE CATALOGS**



**INDOOR 1/12 & 1/10
RACE TRACKS!!**



HOME OF TRINITY R&D!

**550 NORTH AVENUE
UNION, NJ, 07083**

(201) 352 6955

SHOP OPEN 9-11 MON-FRI, 11-11 SAT, 2-9 SUN
FROM BIR HOBBY SHOP TO YOU! ONLY THE "BEST IN RACING"!