1:12 SCALE ON ROAD CAR KIT

AM ASSOCI

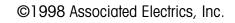
INSTRUCTION MANUAL FOR KIT #4015

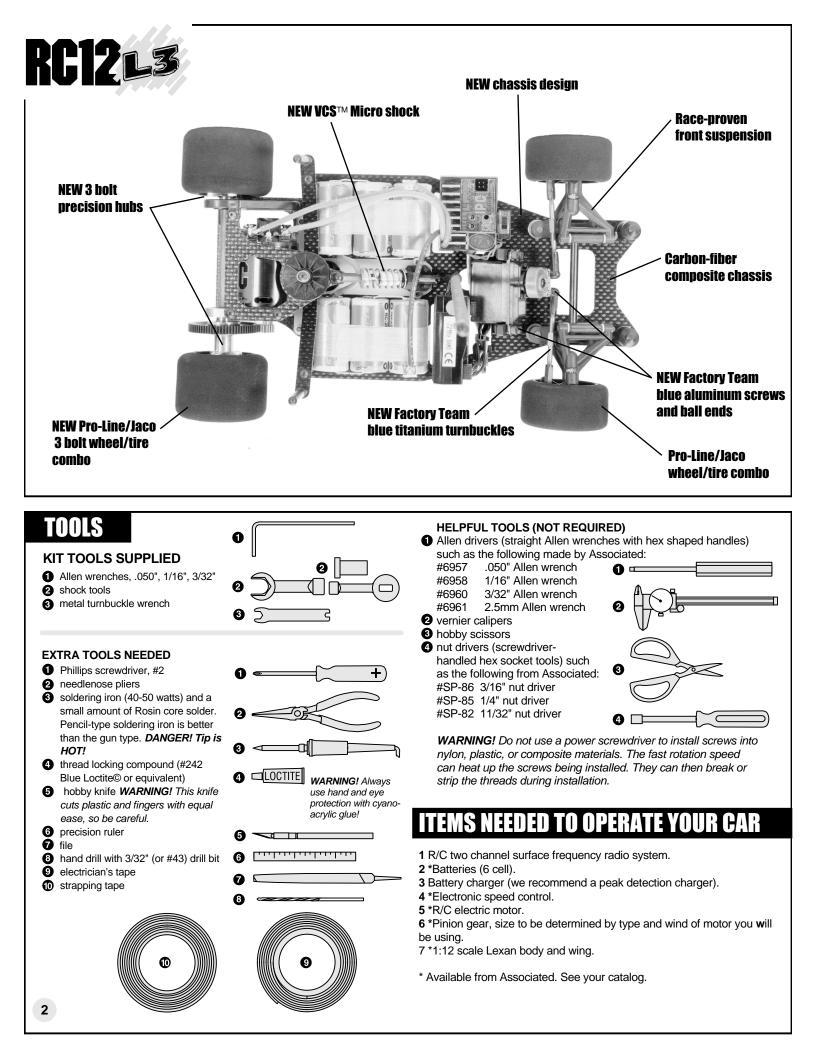


SAVE THIS MANUAL!

Use with current catalog for future, hassle-free re-ordering of parts.

PRO-LIN





REACHING US

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BEFORE BUILDING

OPEN THE BAGS IN ORDER

The assembly is arranged so that you will open and finish that bag before you go on to the next bag. **Sometimes you will have parts remaining at the end of a bag. These will become part of the next bag.** Some bags may have a large amount of small parts. To make it easier to find the parts, we recommend using a partitioned paper plate for spreading out the parts so they will be easier to find.

MANUAL FORMAT

The following explains the format of these instructions. *The beginning of each section indicates:*

1 Which bag to open ("BAG A").

2 Which parts you will use for those steps. Remove only the parts shown. "1:1" indicates an actual size drawing; place your part on top and compare it so it does not get confused with a similar part.

3 Which tools you should have handy for that section.4 In some drawings, the word "REAR" with an arrow indicates which direction is the rear of the car to help keep you oriented.

5 The instructions in each step are ordered in the order you complete them, so read the words AND follow the pictures. The numbers in circles are also in the drawing to help you locate them faster.

6 When we refer to left and right sides of the car, we are referring to the driver's point of view inside the car.

TEAM ASSOCIATED

SUPPLEMENTAL SHEETS

JIL

3585 Cadillac Ave.

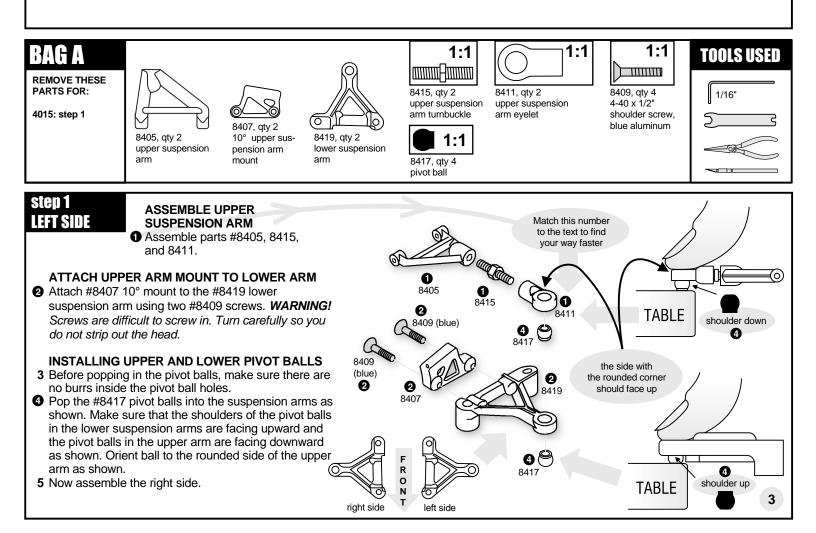
USA

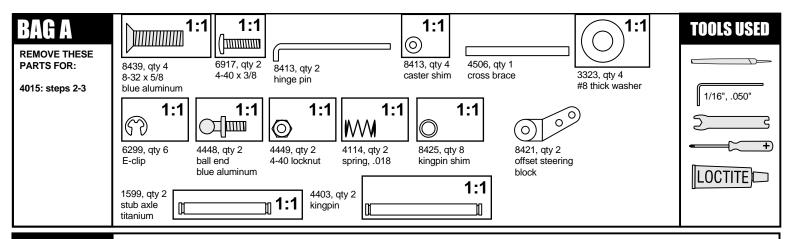
Costa Mesa, CA 92626

ASSOCIATED ELECTRICS, INC.

We are constantly developing new parts to improve our kits. These changes, if any, will be noted in supplementary sheets located in a parts bag or inside the kit box. Check the kit box before you start and each bag as it is opened. When a supplement is found, attach it to the appropriate section of the manual.

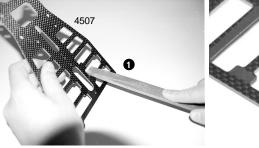
Now clear off your workbench, line up some partitioned plates, grab your hot dog, root beer, bag o'chips, hang up your DO NOT DISTURB sign, and let's go!

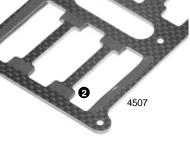




FILE THE CHASSIS

 Use your file to bevel the slots on the top of the chassis so the edges won't cut through the battery cell wrap.
 WARNING! Graphite dust can be harmful to your health. File in a well ventilated area. Then wash the chassis with running water and dry with paper towels.
 Wash your hands afterward with cold water and soap.
 Deposit graphite filings in trash.





TAPE THE CHASSIS

Insulate the battery slots by wrapping the slots with electrical tape where the batteries will touch the chassis.

NOTE: The bottom of the chassis has the screw holes countersunk.

step 3 LEFT SIDE

SUSPENSION ARMS TO CHASSIS

Bolt the #8419 suspension arm to the chassis with two #8439 blue aluminum screws from underneath the chassis, with one #3323 washer (between arm and top of chassis) for each screw. Do the other side.

MOUNT THE CROSS BRACE

Mount the #4506 cross brace to the front suspension using two #6917 button head screws.

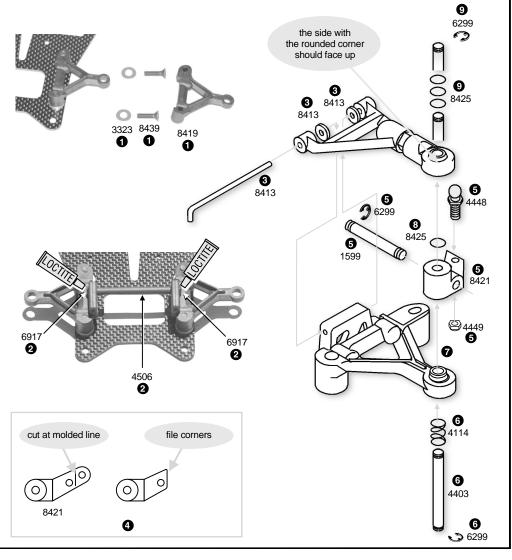
UPPER ARM TO THE SUSPENSION MOUNT

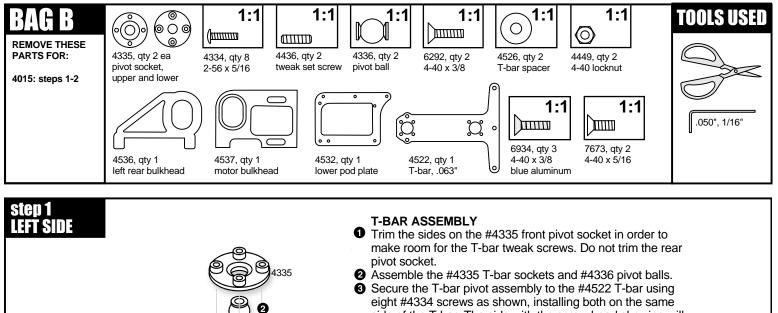
 Assemble the upper arm assembly to the suspension mount as shown, using the #8413 hinge pin and shims.

FINAL FRONT SUSPENSION ASSEMBLY

- Cut and file the #8421 steering block as shown.
- Assemble the #8421 steering block as shown using parts #1599, 6299, 4448, and 4449.
- Place one #6299 E-clip on the bottom of the #4403 kingpin then slide the #4114 spring over.
- Slide the #4403 kingpin completely through the bottom of the suspension arm and up through the steering block.
- Place one #8425 shim on top of the #8421 steering block.
- Now push the upper arm over the kingpin.
 Place three #8425 shims over the kingpin and secure with a #6299 E-clip.
 Do the attendid

10 Do the other side.





4336

C

n

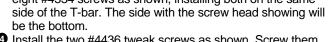
3 4334 4335

0

4334

4522

REAR



Install the two #4436 tweak screws as shown. Screw them so they are flush with the bottom of the T-bar.

tweak screws

0

4436

4436

step 2 RIGHT SIDE

O

Ø

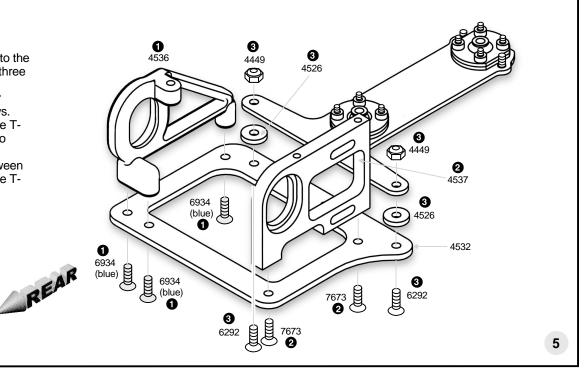
4335

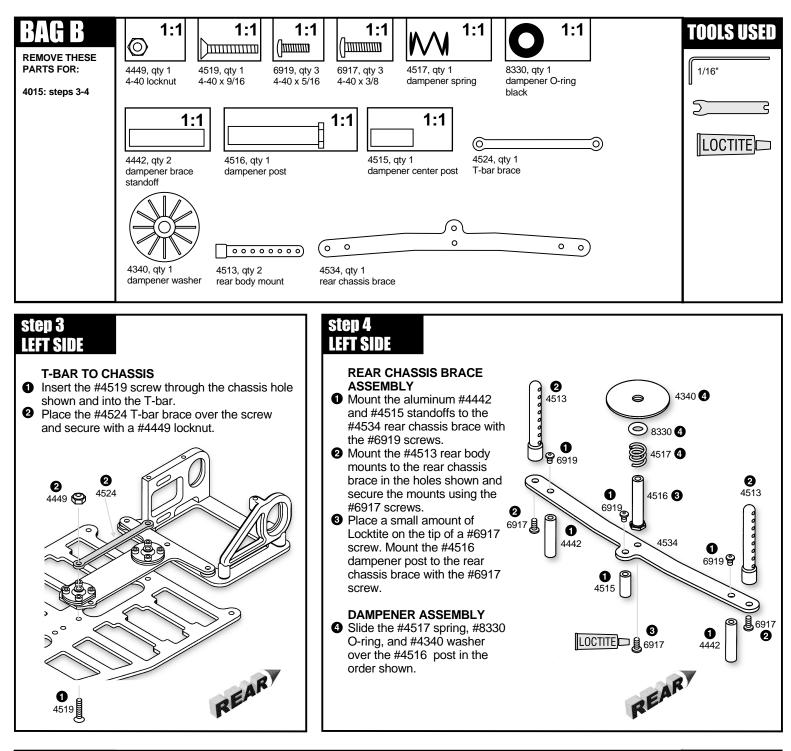
4335

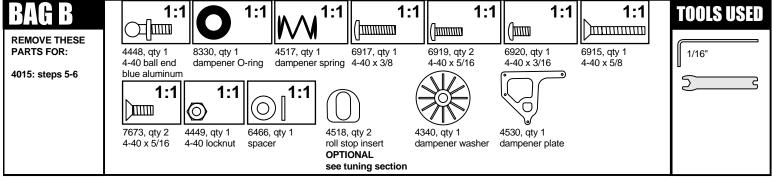
4336

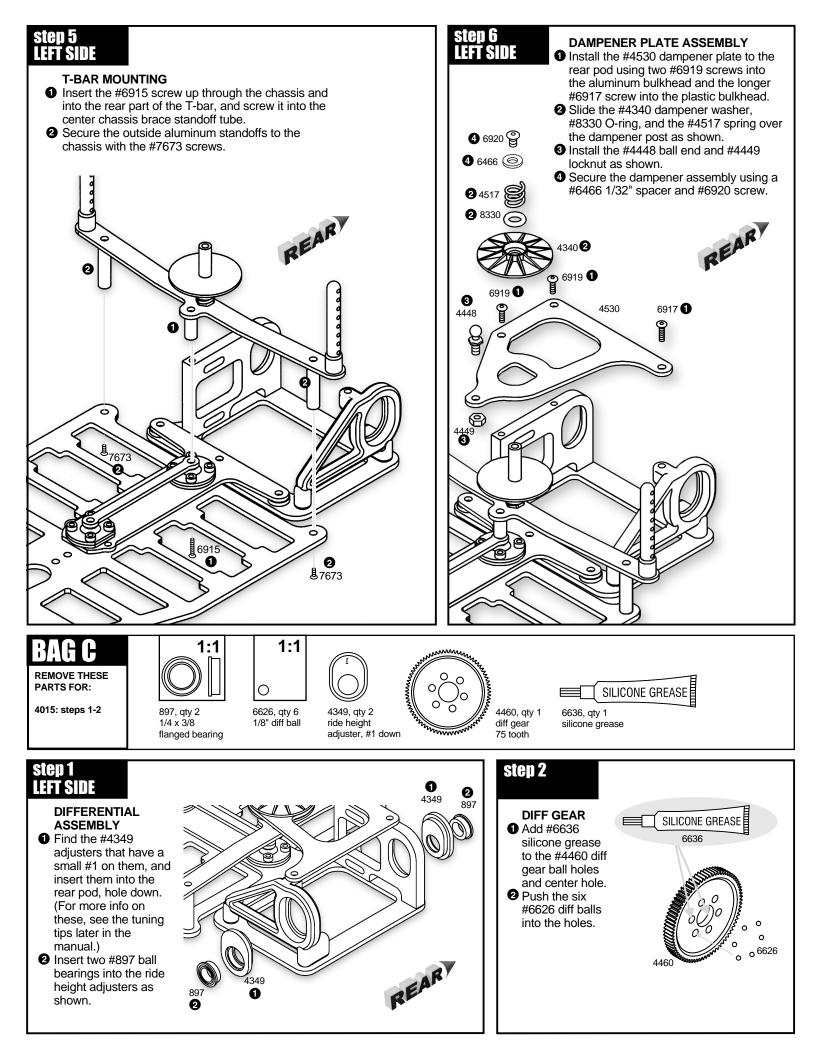
REAR POD ASSEMBLY

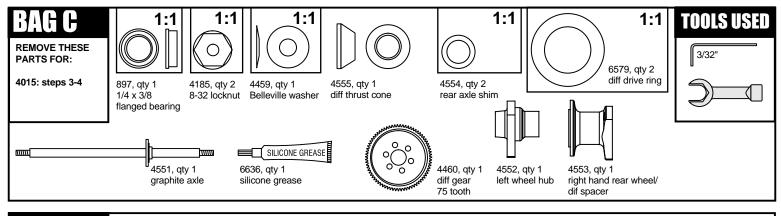
- Bolt the #4532 lower pod plate to the black #4536 left bulkhead with three #6934 blue aluminum screws.
- Bolt the aluminum #4537 motor bulkhead with two #7673 screws.
- Attach the lower pod plate to the Tbar with two #4526 spacers, two #6292 screws, and two #4449 locknuts. The spacer goes between the T-bar and the pod plate. The Tbar is on top.











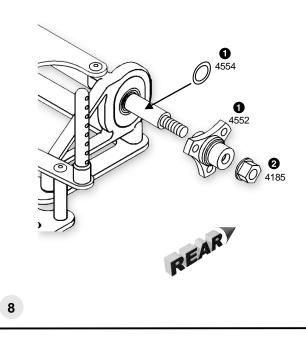
FINAL DIFF ASSEMBLY

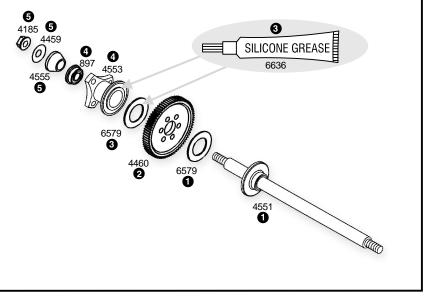
- Hold the #4551 axle upright and slide the #6579 diff ring over the axle and onto the aluminum hub of the axle.
- Slide the #4460 spur gear over the axle and center it on the hub.
- Apply a small amount of #6636 grease to the second #6579 diff ring as shown. Slide it over the axle, greased side towards the gear. This will keep the diff ring in place while assembling.
- Insert a #897 flanged bearing into the outside end of the #4553 wheel hub. Add a little #6636 grease to the smaller end, then slide the #4553 wheel hub over the axle.
- Install the #4555 cone so that the smaller end is facing the bearing. Place the #4459 Belleville washer over the axle so that the smaller end faces away from the cone, and secure with a #4185 locknut. We will adjust the diff after we put the wheels on.

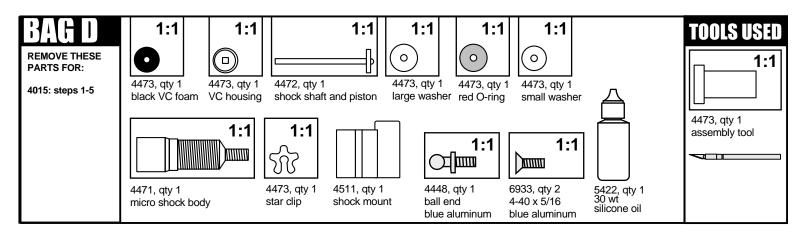
step 4

CHECK THE END PLAY

- Screw on the #4552 left wheel hub, then check the axle for side to side end play. Use the #4554 shims to take up any excess end play.
- When you have finished setting the axle end play, install the #4185 locknut to secure the left wheel hub.

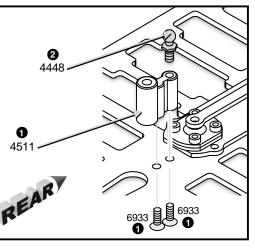


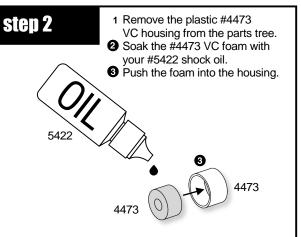




SHOCK/ANTENNA MOUNT

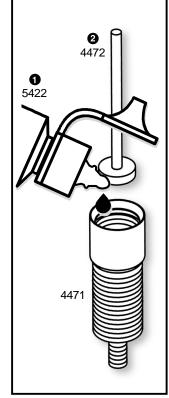
- Install the mount using two #6933 screws.
- 2 Add one blue aluminum #4448 ball end to the hole shown.





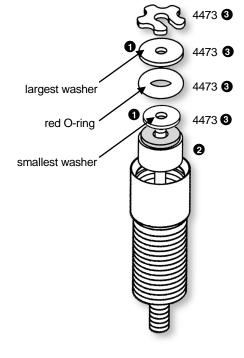
step 3

- Fill #4471 shock body with oil up to the upper groove.
- Insert #4472 shaft/ piston all the way to the bottom



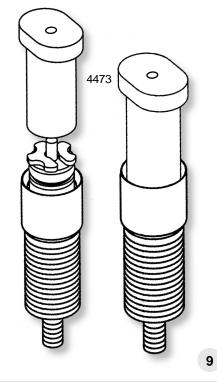
step 4

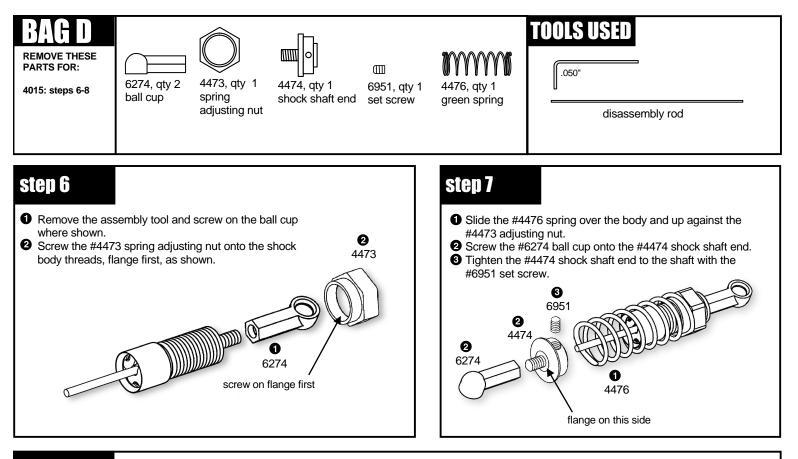
- Remove the small and large #4473 washers from the parts tree. Remove any flash from the washers.
- Slide the VC housing with foam onto the shaft,
- housing first (so foam is still seen through the body opening).
- Slide on the following in this order: smaller washer, red O-ring, larger washer, then the star-shaped clip.



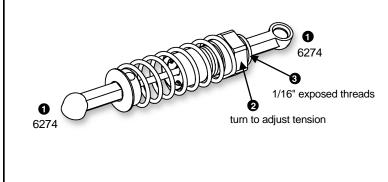
step 5

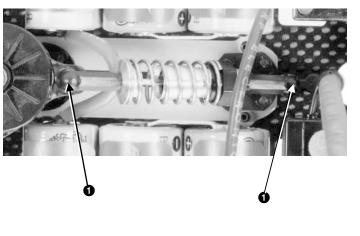
Use the assembly tool to push all the parts down into the body until the clip snaps into the groove. When you remove the tool, the shaft will push out somewhat if everything snapped into place correctly. **Make sure the clip snaps into the groove completely.**





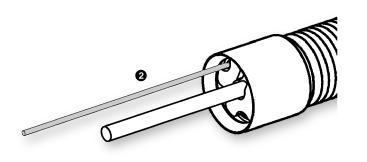
- Pop the #6274 ball cups on the ball ends of your kit.
- 2 Turn the spring adjusting nut to adjust spring tension.
- 3 Adjust spring nut to 1/16" from threaded end.

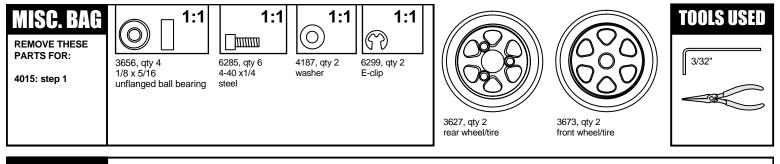




DISASSEMBLY

- 1 To remove the parts from inside the shock, first loosen the #6951 set screw of the #4474 shock shaft end (see step 7 above), then slide off the shaft end and spring.
- Now carefully insert your disassembly rod into one of the rounded grooves of the star clip and pop it out.





clip. Install the other wheel the same way.

Put a # 3656 unflanged ball bearing into each side of the front wheels.

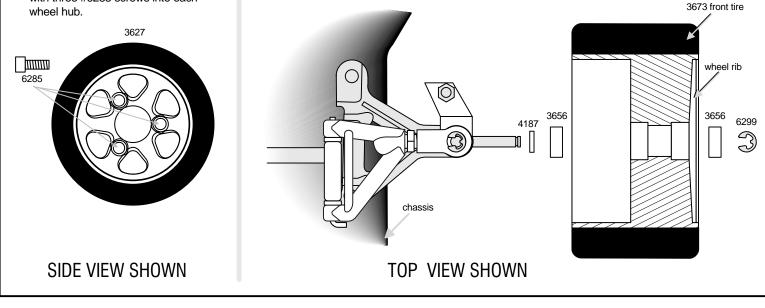
Place a #4187 washer over the axle, then slide the wheel on and secure it with a #6299 E-

MOUNTING FRONT TIRES

step 1

MOUNTING REAR TIRES

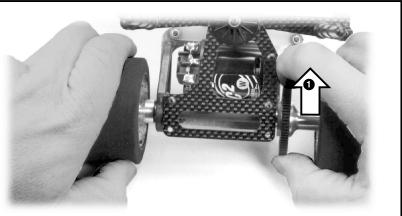
Install both #3627 rear tires to the hubs with three #6285 screws into each wheel hub

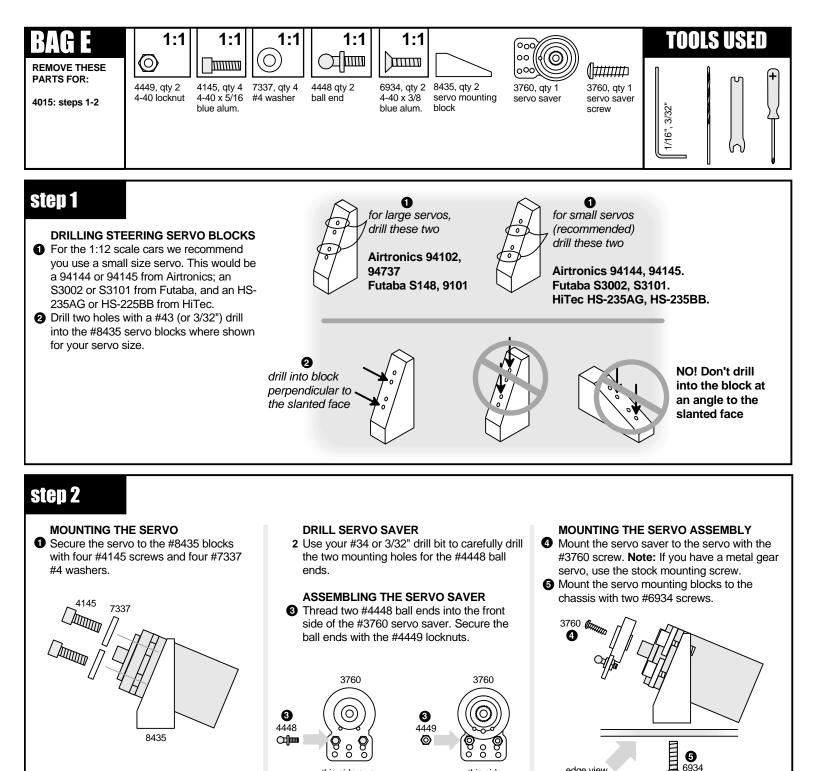


step 2

DIFFERENTIAL ADJUSTMENT

● While holding rear wheels with your hands, use your right thumb and index finger to try and rotate the spur gear. The spur gear should be very difficult to rotate. If you can rotate it easily, then tighten the #4185 11/32" nut at the end of the axle, a little at a time, until the spur gear is difficult to rotate.





this side away

from servo

FRONT

6934

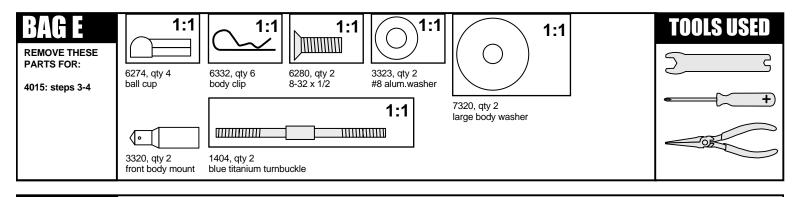
edge view

of chassis

this side

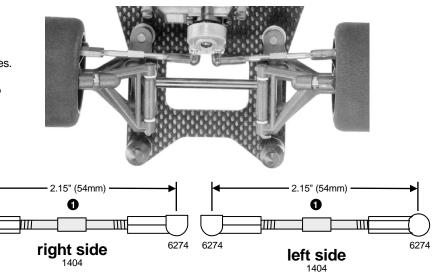
toward servo

REAR



STEERING LINKAGE

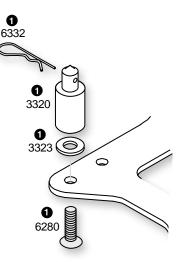
- Install the plastic ball cups onto the #1404 steering turnbuckles. Match the length of the turnbuckles to the actual size picture.
- Snap one ball cup onto the ball end on the servo saver. Snap the opposite end on as shown. Install both turnbuckles.
- **3** When you are adjusting your turnbuckles, always make sure that the servo saver is pointing straight down.



step 4

FRONT BODY MOUNTS

Tighten the #3320 front body posts to the chassis with two #6280 screws from underneath. Depending on what body you choose to use, you may need to add the #3323 aluminum washers between the body posts and the chassis. Add #6332 body clips to the front posts to hold the body in place.

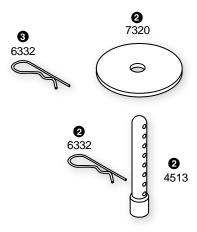


REAR BODY MOUNTS

6274

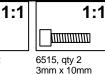
You will have to add the #6332 body clips and #7320 washers according tto the body type you purchase separately.

- Add one body clip to each rear post to set the height of the body, then place one washer on top of the body clips. Place the body on top.
- After adding the body, place the other body clip on the post to hold the body in place.



BAG	
REMOVE T	

4015: steps 5-6

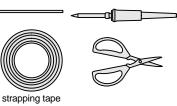


gold

6726, qty 1 servo tape strip

> 4510, qty 1 antenna cap

TOOLS USED



step 5

PINION GEAR INSTALLATION

Ο

washer

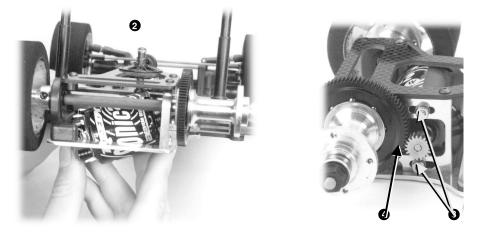
7337, qty 2

4510, qty 1 roll over antenna

 Slide the pinion gear onto the shaft so that the gear is 1/16" away from the motor can. Tooth side of gear should be farthest from can. Tighten the set screw to hold it in place.

MOTOR INSTALLATION

- Insert the motor into the rear pod assembly as shown, the pinion gear coming through the right side motor bulkhead.
- Tighten the motor to the bulkhead with two #6515 screws and two #7337 gold washers. Set the gear mesh so that there is very little
- If the gear mesh is too tight, you can lose significant power.

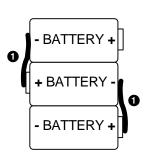


MOTOR AND PINION GEAR ARE NOT INCLUDED IN KIT

step 6

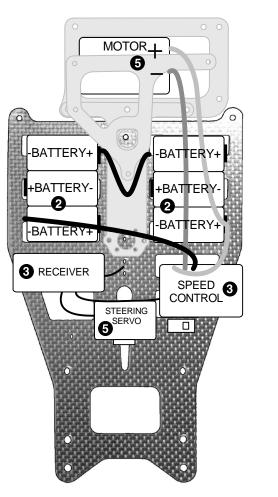
ELECTRICAL INSTALLATION

- Solder your single cell batteries together with battery braid or battery bars. Solder plus (+) to minus (-).
- Hold the batteries to the chassis with strapping tape. Wrap the tape over the batteries, through the chassis slot, underneath the chassis, and up again through another slot, several times.
- Out the #6726 servo tape to fit the bottom of the speed control and receiver. Peel the backing from the servo tape and place them where shown in the drawing.
- **4** Insert the #4510 roll over antenna into the antenna mount, wrap the antenna wire up the antenna, and secure the wire with the antenna cap.
- 5 Now connect the electronic speed control and steering servo to your receiver according to your radio or ESC instructions, then connect the motor and batteries to the ESC.



= RED WIRE = BLUE WIRE

= BLACK WIRE



ELECTRICAL ITEMS ARE NOT INCLUDED IN KIT

SETTING THE TWEAK

We set the "tweak" after EVERYTHING except the body is installed on the car, including batteries, motor, speed control, and all the radio equipment.

WHAT IS TWEAK? Ideally, the left wheel should be pushing down on the ground with exactly the same force as the right wheel. If this is not happening, the car is TWEAKED (or twisted). This can cause the car to spin out easily under acceleration. It will also cause the car to oversteer in one direction and understeer in the opposite direction.

CHECKING THE TWEAK.

1 Measure the front chassis width. Use half of this

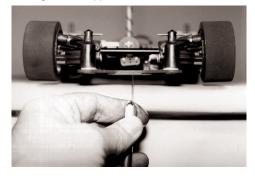
measurement to find the centerline of the chassis. 2 Scratch a mark at the centerline at the front of the chassis with your hobby knife.

3 To tweak the car, place the tip of a hobby knife on the center mark as shown.

4 Lift the front of the car slowly. We want both front tires to leave the ground at the same time. If one tire leaves the ground before the other one, the car is tweaked.

CORRECTING THE TWEAK. Loosen the Tbar tweak screw 1/8 turn on the tire side that left the ground last. Now tighten the opposite tweak screw (the one that left the ground first) 1/8 turn. Now recheck the tweak. Continue to make these adjustments until both tires leave the ground at the

EXACT SAMETIME. Always loosen one screw first, then tighten the opposite screw the same amount.



RADIO ADJUSTMENTS

Charge the transmitter batteries if they are NiCads. (See your radio manual for instructions.) Next charge your battery pack according to the instructions included with your battery charger or battery pack. Make sure all the ESC (electronic speed control) connections are according to the appropriate manuals. Now use the following steps to make the final adjustments on your car.

- 1 Turn the transmitter switch ON.
- 2 Make sure the motor is unplugged or unsoldered.
- 3 Plug in or solder in your battery pack.
- Turn the car switch to the ON position. (This is 4 normally attached to the ESC.)

5 Move the steering control on the transmitter to the right. Do the wheels steer to the right? If not, you must reverse the steering servo direction on

your transmitter (see radio manual).

6 After you have the wheels steering in the correct direction, remove your hand from the steering control on the transmitter. Now look at the servo horn mounted on the servo. Is it pointing straight down? If not, adjust its position with the steering trim control on the transmitter, or move its position on the servo.

7 Now look at your front wheels. Are they pointed straight ahead in relation to the center line of the chassis? If not, first check the alignment of the servo saver in relation to the wheels. Do they now point straight ahead? If not, use the steering tierod turnbuckles to adjust each wheel so that it is pointed straight ahead.

8 Adjust the ESC according to the speed control manufacturer's instructions. Note: Some manufacturers have the motor connected during adjustment and some do not. Now turn the car ON/OFF switch OFF.

9 Place your car on a block or car stand so that the rear wheels cannot touch anything. Turn the car switch back ON. Check the ESC operation and settings. After you have set and checked the speed control. turn the car switch OFF.

10 The transmitter switch must always be the FIRST SWITCH TURNED ON and THE LAST SWITCH TURNED OFF.

CONGRATULATIONS! YOUR CAR IS NOW **READY TO RUN!**

PAINTING THE BODY

1 While the body is still clear, mark and cut out the holes for the body mounts and antenna tube. 2 Clean the body and wing thoroughly with warm water and a mild dish soap before painting.

3 Mask the inside of the body according to your paint scheme, using automotive masking tape for 4 Spray the body and wing, applying the paint in thin coats and letting it dry between coats. We recnend Pactra paints.

MOTOR GEARING

To get the most from your motor proper gearing is important. The gear ratios listed in the chart below are recommended starting gear ratios. Ratios can vary from track to track but you should not change the pinion size more than one tooth from the recommended ratio.

CAUTION! Increasing the pinion size by more than one tooth can damage your motor from excess heat.

MOTOR PINION	
the best results. Take the time to press down all edges of the tape. Cover the body holes with tape on the outside.	omm

MOTOR	PINION	SPUR
24° ROAR stock motor	26	75
DS Spec motor	25	75
36° stock motor	24	75
14 turn modified motor	21	75
13 turn modified motor	20	75
12 turn modified motor	19	75
11 turn motor	18	75

BATTERY CHARGING & DISCHARGING

The battery packs used for R/C cars are sixcell, sub-C, rechargeable type found in any hobby shop.

CHARGING. Proper battery charging and discharging is important to maintain the performance and life of your battery pack. Associated recommends the use of a good quality automatic peak detection type charger. Peak detection chargers will automatically sense when the battery pack is fully charged and shut off, thus lessening the chance of damage due to over charging. Timer chargers are not recommended because a mistake can be made, thus damaging the battery pack. **DISCHARGING.** To maintain performance from your battery packs, it is recommended you completely discharge them between charges. There are several inexpensive discharges available at your hobby shop. Associated recommends the light bulb type discharger that is popular with the racers. Follow the discharging instructions supplied with your discharger for best battery performance.

MAINTENANCE

FOLLOW THESE STEPS TO KEEP YOUR CAR IN SHAPE FOR RACING

You should periodically check all the moving parts: front and rear end, suspension arms, steering blocks, steering linkage, shocks, and so on. If any of these should get dirty or bind, then your car's performance will suffer.

MOTOR MAINTENANCE

Between runs, inspect the brushes to ensure they are moving freely in the brush holder. This is done by carefully removing the spring and sliding the brush in and out of the holder. If there is any resistance or rough spots, remove the brush and care-

RADIO MAINTENANCE

A radio problem is not always caused by the radio system. Often it is the result of a combination of several factors which can include: motor noise, poor electrical connections, poor wiring layout, reversed or defective receiver crystals, weak transmitter batteries, and so on. If your radio problems persist, one of the following tips may help:

1 Make sure the motor brushes are free in their

fully wipe the brush clean. This will clean off any buildup and lubricate the brush so it slides smoothly in the brush holder.

After every 3 to 5 runs, remove the brushes from the holders and inspect the tips for wear and/ or burning. If there is a noticeable amount of wear, replace the brush with a new pair. If the tip is a burnt blue color, then the lubricant in the brush has been burned away and new brushes should be installed.

After every other battery charge you should carefully clean the motor. One recommended

4 Try mounting the receiver on its side with the

crystal up to get it away from the chassis. Also try

5 Try moving the receiver to a different location.

6 Bundle the radio wires well away from the servo

and battery wires. Either can generate a signal into

method is to spray motor cleaner directly on the brush and commutator area. Run the motor for approximately 15 seconds. Disconnect the motor and spray it again, making sure the runoff is clear and clean. If the runoff is still dirty, repeat the spraying action until clean. After completing the cleaning, apply a small amount of lightweight oil to each bushing or bearing for lubrication. Be careful not to apply too much oil, for this will pick up dirt and contaminate the commutator and brushes.

the antenna wire.

7 The new high frequency speed controls can generate a signal which can cause interference with the receiver. Try to keep them an inch apart if possible.

Keep in mind that you can also run into outside interference. 75 MHz radio band will tend to be more susceptible to this problem than the 27 MHz band.

DIFFERENTIAL MAINTENANCE

You should rebuild the differential when the action gets somewhat "gritty" feeling. Usually cleaning the diff and applying new lube per the instructions will bring it back to new condition. Normally, as the parts seat, the diff will get smoother. If, after carefully cleaning and relubing the diff parts, the diff still feels gritty, the 1/8" balls and drive rings should be checked and possibly replaced. Refer to the diff section to correctly assemble the diff.

TUNING & SETUP TIPS

CLEANING YOUR CAR

brush holders.

2 Try a different motor.

3 Try a different radio frequency.

adding more servo tape to the bottom.

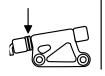
You can clean your car and electronics (radio and speed control) with an electronics parts cleaner that is designated safe for plastics. They are convenient and work very well, but can be expensive. If you remove your electronics you can also clean the car and motor with motor cleaning sprays. Like the electronics cleaners, this works very well, but can cost a lot. To keep your maintenance costs down, you can clean the car (not the motor or electronics) with normal household cleaners like 409, Fantastic, Simple Green or Associated's #711 Reedy Car Wash. These cleaners have more water in them, so to prevent rust on the metal parts you must completely dry all of these parts, or else spray them with WD40. **WARNING!** *Most of these cleaners have chemicals in them that will affect the Lexan body.* (Reedy Car Wash is Lexan safe.) The best way to clean your Lexan body is with warm water and a mild dish soap.

THESE STEPS PREPARE YOUR CAR FOR MAXIMUM PERFORMANCE

Your car is one of the most tunable on road cars on the market. This section will try to explain the parts and adjustments you can use to tune your car for different track conditions.

CASTER CHANGE

The 0° mount is level with the chassis when mounted. The 10° mount is angled 10° in relation to the chassis or lower suspension arm. This angle provides a change in caster during suspension movement. The caster angle will change 2° during full suspension travel. **Your car will steer more aggressively when using this option.** The starting or static caster setting is changed using the PTFE caster shims. Static caster starts at either 2° , 4° , or 6° . A more detailed example would be a starting caster of 2° will have 0° caster at full suspension travel and a starting caster of 6° will be only 4° at full suspension travel.



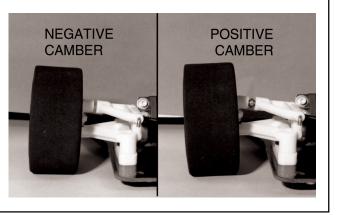




10° mount, 2°- 0° caster 2 shims forward

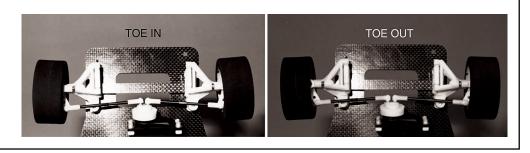
10° mount, 4°- 2° caster 1 shim each side

10° mount, 6°- 4° caster 2 shims to rear **CAMBER** is a word describing the angle at which the tire and wheel rides relative to the ground when looked at from the front or back. This is one of the most important adjustments on the car. Negative camber means that the tire leans inward at the top, putting it closer to the centerline of the car than the bottom of the tire. Positive camber means just the opposite, the top of the tire is further away from the centerline of the car than the bottom of the tire. **Excessive** negative camber will decrease traction but increase stability. Positive camber will do the same. We suggest a starting setting of 2° of negative camber. Try to use at least 1° to 2° negative camber at all times and make adjustments to keep your tires wearing flat. This can be adjusted by turning the upper arm turnbuckles in the appropriate direction.



TOE-IN AND TOE-OUT is a beneficial

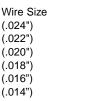
adjustment and has a fairly significant effect on the car. Toe-in will help stabilize your car and it also removes a small amount of turn in steering. Toeout will allow the car to turn in to a corner quicker but will reduce stability exiting the corner. Both toein and toe-out will scrub speed so try to use as little, of either, as possible. You adjust the toe-in or toe-out by adjusting the length of the steering tierod turnbuckles.



FRONT SUSPENSION SPRINGS

are available in various wire sizes as listed here. Changing springs will increase or decrease steering. In general, a softer spring (smaller wire diameter) will add steering and a harder spring (larger wire diameter) will decrease steering. Oval racing will normally require a harder spring than road course racing. The #4015 12L3 kit includes #4414 springs.

Part Number
#4116
#4117
#4113
#4114 (kit spring)
#4119
#4118



Harder (less steering)

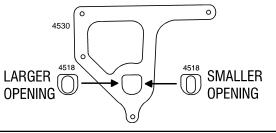
DAMPENER PLATE MAINTENANCE

It is very important to keep the dampener plates CLEAN and lubed for each race. We recommend using the Associated #6636 diff lube that came with your kit, or Associated #1105 Green Slime lube.

DAMPENER PLATE ROLL STOP INSERTS #4518,

are included with your kit. There are two different size roll stops. Each stop will control the amount of roll that the chassis can make during hard cornering. The stop with the smallest side to side opening (in the middle) will reduce the chassis roll the most. This stop insert will make the car change directions VERY quickly during cornering. The second roll stop insert with a slightly larger opening will have slightly less of this effect. No roll stop insert (which is what we recommend for a starting setting) will be the least

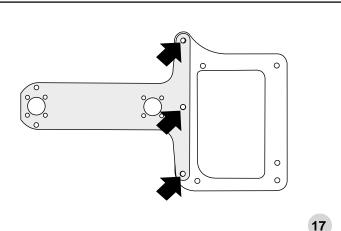
aggressive for steering during hard cornering. WARNING! You must pay very close attention to tire diameter when using either of the roll stop inserts. This is because any difference in tire diameter (side to side) may cause the dampener post to rest against the roll stop insert. We do not recommend these inserts for oval racing.



T-BAR THICKNESS AND FLEX

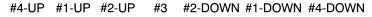
Your RC12L3 comes with the #4522 T-bar, with a thickness of .063". An optional #4520 T-bar has a thickness of .075". The .063" T-bar is the recommended thickness for low traction conditions. The .075" T-bar is recommended for high-traction conditions. If you use the .075" T-bar, your car will turn more aggressively, but will not be as smooth accelerating through bumps. The .063" T-bar will give the car more rear traction and will seem smoother through the bumps. We recommend using the .075" T-bar when racing on smooth carpet tracks with good traction.

Look at the back end of the of the T-bar at the "T" shaped section. You will see there are three holes which can be used to attach the T-bar to the lower rear pod plate. You have assembled your car using only the two outermost holes. This setup will make the rear suspension very active (soft) front-to-rear with very little effect on the side to side stiffness. Your car will have more rear traction and will accelerate through bumps better than if you were using all three attachment holes. Try using all three attachment holes when racing on smooth, high traction conditions.



REAR AXLE HEIGHT ADJUSTERS

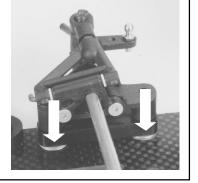
Your car comes with four sets of rear axle height adjuster inserts. These inserts allow you to raise or lower the height of the back of the car without changing tire diameters. Even though there are only four offsets, three can be rotated 180° for a total of seven different axle heights as shown.



The #4-up position allows you to use the maximum diameter tire and the #4-down position requires you to use the minimum tire diameter. This adjustment allows you to get more useful life from a set of tires by adjusting axle height as tire diameter decreases. You can also adjust the overall height of your car for high or low traction conditions.

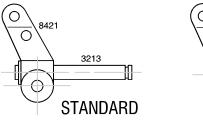
FRONT RIDE HEIGHT

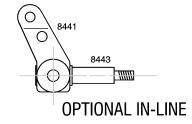
To obtain your desired ride height, you can place a thick #3323 aluminum spacer under the lower suspension arm. To raise the car, take away spacers, and to lower the car, add spacers.



INCREASING STEERING

To increase steering, replace the stock #8421 steering blocks with the optional #8441 inline steering blocks and #8443 axles. This will make the car steer very aggressive. **Note:** The inline axles use #6902 bearings.





SETUP SHEET

The next page shows Team Associated's setup sheet for your car. Copy this form and keep a record of the settings you used for a particular track. This record of your settings will make it easier to set up your car the next time you race at that track, as well as compare differences between tuning adjustments. This is a feature that our Team drivers take full advantage of.

SAVE THIS BOOKLET!

More than an instruction manual, its also a handy pictorial supplement to Team Associated's RC12L3 catalog.

Refer to this manual for part numbers and description when ordering parts or to explain problems for customer service calls.



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TEAM ASSOCIATED ONLINE!

http://www.teamassociated.com

Get online help, tips, and new products for your kit through Team Associated's web site!

Tech Help, where answers to racers' questions are posted for all to learn from.

Racer Spotlight, where other racers proudly show off their favorite kit.

Setup Sheets, where racers go to find blank and standard setups to download for their kit.

New Products, where you learn of new kits and parts before they are announced anywhere else!

Team Associated Insiders Newsletter.

Sign up for it on the Home Page if you want news delivered right to your e-mail box!

Question of the Week. Join in and give your opinion of the topic of the week, and learn form other racers.

Hobby Shop and Track listings. Shops that carry Associated parts and where you can race your kit.

R/C Kits and Parts. Online catalogs updated with new parts as soon as they come out.

Feedback Form. Tell us what's on your mind with this exhaustive survey.

Help Form. Our expert staff answers your toughest questions about Associated, Reedy, and LRP products.

Free Stuff. Get your Associated kit computer wallpaper and screensavers here!





TIRES/WHEELS	FRONT	REAR			
TIRE TYPE					
TIRE DIAMETER					
STAGGER					
WHEELTYPE					
TRACK WIDTH (car)					
TIRE TREATMENT TYP	ΡĒ				
SHADE IN AMOUNT OF TIRE TREATMENT:					
FRONT		REAR			
outside	nside inside	outside			

SETUP	SHEET
DATE:	
DRIVER:	

TRACK NAME:	
FRONT END	 FRONT CASTER circle one:
FRONT SUSP. SPACERS QTY	
FRONT SPRINGS (thickness)	
UPPER ARM MOUNTS: 0° 10°	
FRONT CAMBER	

REAR END						
SHOCK OIL	SHOCK SF	SHOCK SPRING				
SPRING COLLAR PRELOAD						
T-BAR THICKNESS	T-BAR SPA	CERS, QTY				
DAMPENER SPRINGS	DAMPENE	DAMPENER SPRING SPACERS QTY				
DAMPENER ROLL STOP INSERT:	□ none	Iarg	er dia	smaller dia		
DAMPENER LUBE: Dye	s 🗆	no				
DAMPENER LUBE TYPE						
REAR RIDE HEIGHT ADJ.: 🛛 #4-0	p 🛛 #1-up	□ #2-up	□ #3	🛛 #2-down	🛛 #1-down	□ #4-down

BODY & ELECTRONICS			
BODY TYPE AND MAKE	SPOILER/WING	🗆 yes 🗆 no	POSITION:
BATTERY TYPE	NUMBER OF CELLS		
MOTOR TYPE & WIND			
GEAR RATIO	SPUR SIZE		PINION SIZE
SPEED CONTROL	CURRENT LIMITER		
RECEIVER TYPE			

RACK DESCRIPTION:	
ACE COMMENTS:	
AR COMMENTS:	