

Builders Support Guide: RC10 B6 Builders Support Kit.

The RC10B6 Builders Support Kit brings Team Associated race-winning technology to builders assembling dirt oval sprint cars, late models, and custom drag cars. The applications are endless. The Builders Support Kit has the major sub-assemblies builders need in a value-packed kit, without having to pay for excess 2WD off-road buggy parts. Scan the QR code to get to the TeamAssociated.com product page where you can download a detailed PDF manual showing each assembly included. Also look for a downloadable PDF of 3rd party conversion vendors who supply parts to complete your dirt oval, drag, or custom creation.



Scan QR code for complete manual.

:: Bag 5

#6591 diff lube

7666 Diff Drive Ring

7666 Diff Drive Ring

6574 $\Sigma 6$ 5/64 diff thrust balls

6573 $\Sigma 2$ Diff thrust washer

#6588 black grease

6573 Diff thrust bolt

91701 Ball Diff Outdrive

91701 Ball Diff Outdrive

91419 Diff Gear, 52T

6581 $\Sigma 14$ 3/32 carbide diff balls

Build Tip:
The bottom side of the gear has 3 injection dots. This side faced down will keep the diff balls from falling thru the holes

Build Tip:
Install the first washer and grease, then lineup the 6 balls in your palm or on a lint free towel and tough/spin to "roll" them onto the washer.

:: Bag 5

31400 5x8x2.5mm, Bearing

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6575 Locking t-nut

6582 Diff thrust spring

6575 Diff cover

Build Tip:
Do this entire step with the diff screw on the end of your wrench for better control.

Compress spring first.

As you tighten the diff bolt, you will notice the T-nut ears moving closer to the bottom of the outdrive slot. This compresses the spring behind the T-nut. The spring should be completely compressed at the time the T-nut reaches the end of the slot. Caution! Pay close attention to the feeling when the spring is completely compressed. Do not overtighten the bolt. When you feel the spring completely compressed, loosen the diff bolt 1/8" of a turn. Your diff should now operate smoothly but with resistance as the outrives move in opposite directions. After you have driven the car once, re-check the diff setting.

:: Bag 9

91896 FT 12mm V2 Shock Piston, 2mm [2x1.6] (front)

31510 M2 x 4mm BHCS

89278 2.5mm Washer

91897 FT 12mm V2 Shock Piston, 2mm [2x1.7] flat (rear)

91615 V2 3 x 21 Shock Shaft TiN (front)

91484 12x24mm V2 Shock Bodies

91491 12mm Shock Cap O-Ring

31327 VCS3 Shock Bottom Cap O-Ring

91493 $\Sigma 2$ X-Ring

91495 V2 Shock Spacer

91495 $\Sigma 2$ V2 Shock Hat Bushing

31327 VCS3 Shock Bottom Cap

#1105 green slime

Mount the shock pistons with the number facing up!

Lightly rub shock oil on the o-ring before installation!

Racers Tip:
Coating the o-rings with green slime (#1105) helps seal & reduce o-ring swell! **Green slime not included in kit!**

Racers Tip:
Use a marker over the numbers on the pistons to make them easily visible!

:: Bag 9



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Lightly rub shock oil or green slime on threads



There are 3 lengths of shock eyelet in the kit. Pay attention to length when building as these affect your droop and uptravel.



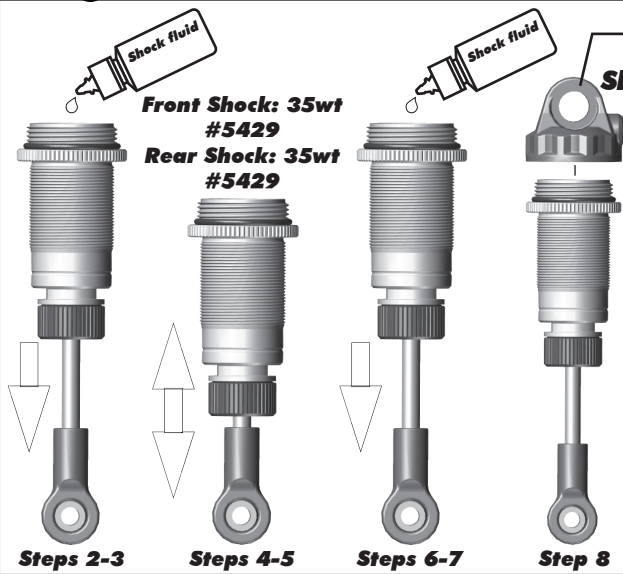
Short Long Longer
0mm +2mm +4mm

91820 Shock Eyelet
Front Shocks - Long
Rear Shocks - Long



91819 Shock Pivot Ball

:: Bag 9



91814 12mm Shock Cap

Front Shock: 35wt #5429
Rear Shock: 35wt #5429

Steps 2-3

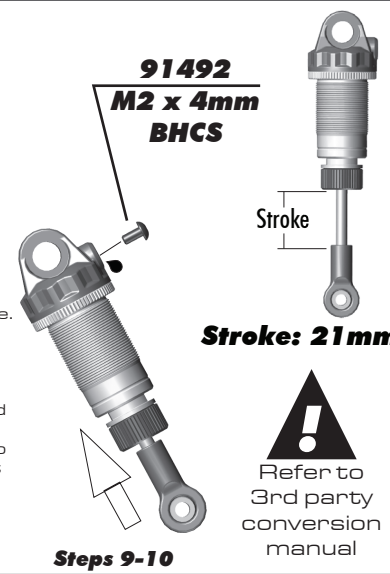
Steps 4-5

Steps 6-7

Step 8

Shock Bleeding Steps:

1. Before assembly, get each bleed screw and thread it 1-2 turns into the shock cap, then remove the screw. This will make it easier when you are bleeding your shocks.
2. Pull shock shaft down.
3. Fill shock body 3/4 full with silicone shock fluid.
4. Slowly move the shock shaft up and down to remove air from under the piston.
5. Wait for bubbles to come to surface.
6. Fill shock body to top with silicone shock fluid.
7. Place a drop of oil in the cap and on cap threads.
8. Install cap (without bleed screw) and tighten completely.
9. Slowly compress shaft all the way to bleed excess silicone shock fluid out the hole in the cap (use rag around shock to catch excess fluid).
10. Install M2x4mm button head screw until snug while shaft is fully compressed.



Steps 9-10

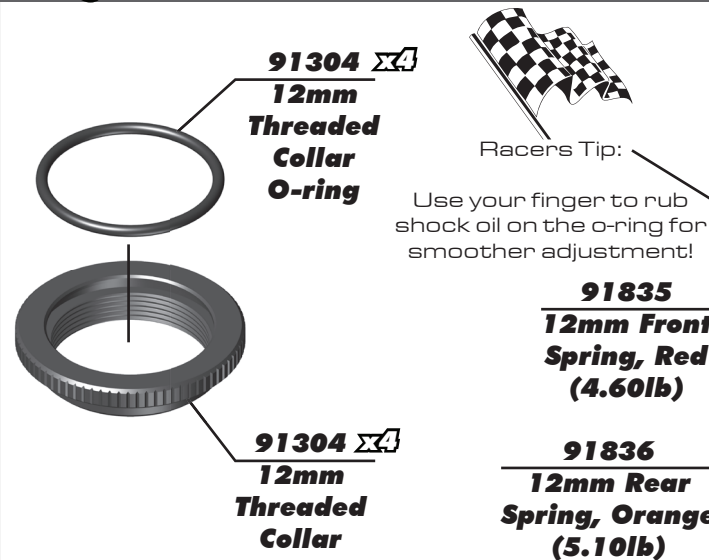
91492 M2 x 4mm BHCS

Stroke

Stroke: 21mm

!
Refer to 3rd party conversion manual

:: Bag 9



91304 x4 12mm Threaded Collar O-ring

91304 x4 12mm Threaded Collar



Racers Tip:

Use your finger to rub shock oil on the o-ring for smoother adjustment!

91835 12mm Front Spring, Red (4.60lb)

91836 12mm Rear Spring, Orange (5.10lb)

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Refer to 3rd party conversion manual.

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Slide spacers up. Install spring cup below uptravel spacers.

#91814 12mm Shock Spring Cups
0mm 5mm 9mm



91814 12mm shock spring cup (Front - 5mm Rear - 5mm)

Build x2 front and x2 rear shocks