SH11 Team Edition TE

ADDITIONAL INSTRUCTION MANUAL

Congratulations with your Serpent 411 Team Edition racing car.

The Serpent Team Edition has the following changes compared to the Serpent 411

- RCM shock-absorbers, see manual on next pages
- Modified gear-differential with new gears, new shafts and modified cases. The assembly way remains the same as before. Smoother diff action.
- Flex-type top-deck, which mounts same way as the regular one, allows more flex in the chassis for improved grip/handling.
- Ackermann v2 steeringplate, which allows Ackermann changes by putting more or less shims, start with 2mm shims. Assembly is similar and easy.
- Carbon fibre Lipo brackets to hold the battery better in place. Mount below the nylon battery-tape guiders, see in this manual.
- Longer rear anti-roll bar, which allows to use the 2nd mounting spot in front of rear arms. First assembly remains the same. **Remark:** do NOT cut the anti-roll bar as shown in A41.
- Increased diameter body-posts for more stabilty
- Larger front foam bumper in new design, mounts same way as before.

Please use the following manual steps in addition to the regular manual.

We wish you a lot of pleasure assembling the 411-TE and afterwards racing it. Good luck.

Team Serpent

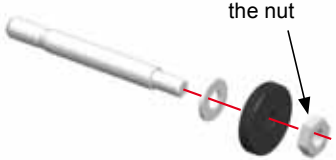
46A

use some oil during assembly

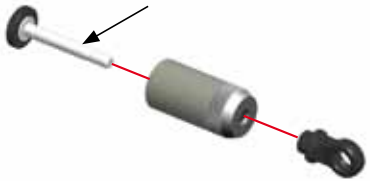


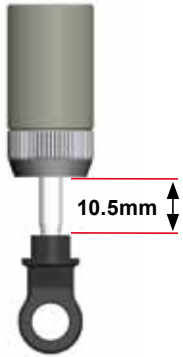
46B

use some Locktite to fix the nut

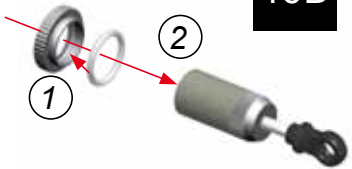


use some oil during assembly





46D



46E

assemble the top of the shock this will press the membrame into the shocktop



46F

remove the top of the shock



46G





Fill the shock body with the supplied shock absorber oil. Slowly move the shockrod up and down to let all airbubles escape

46H

close the top of the shock





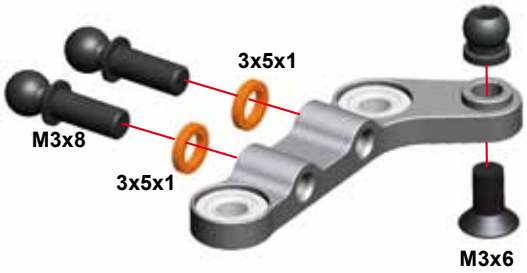
46 I

assemble the spring and springcup to complete the shock
front: orange
rear: yellow



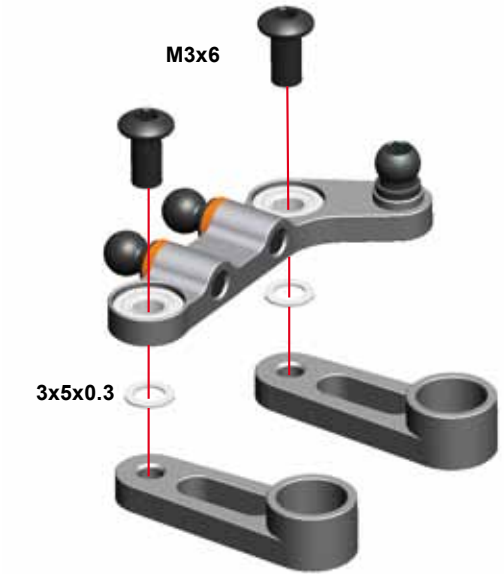
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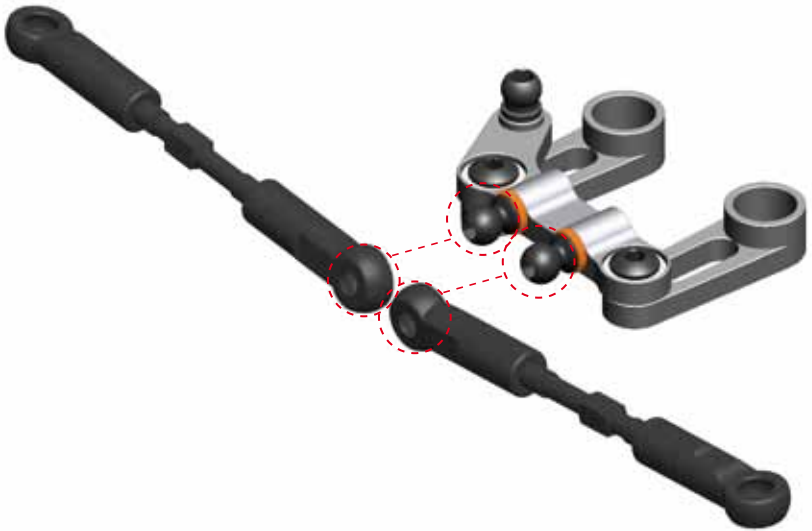
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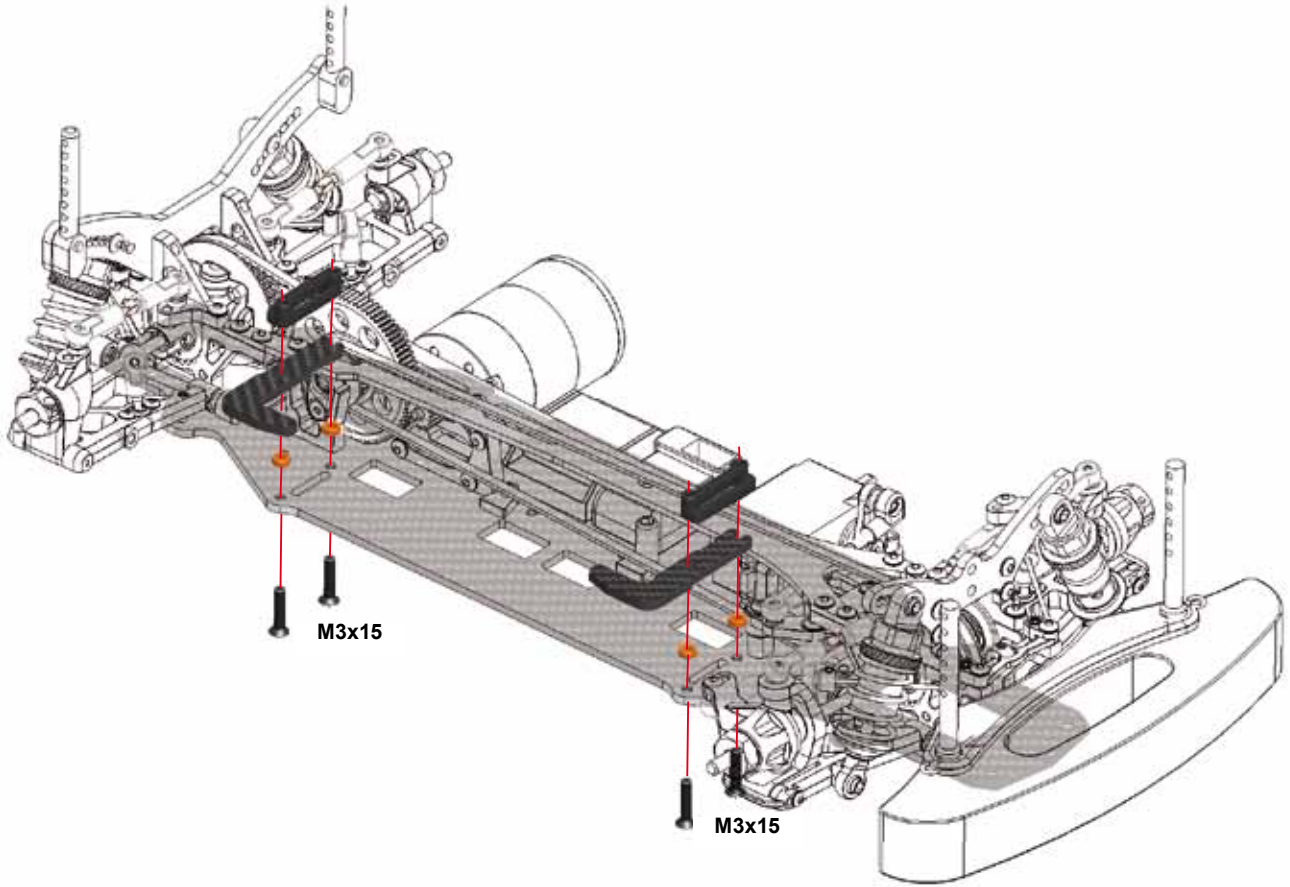
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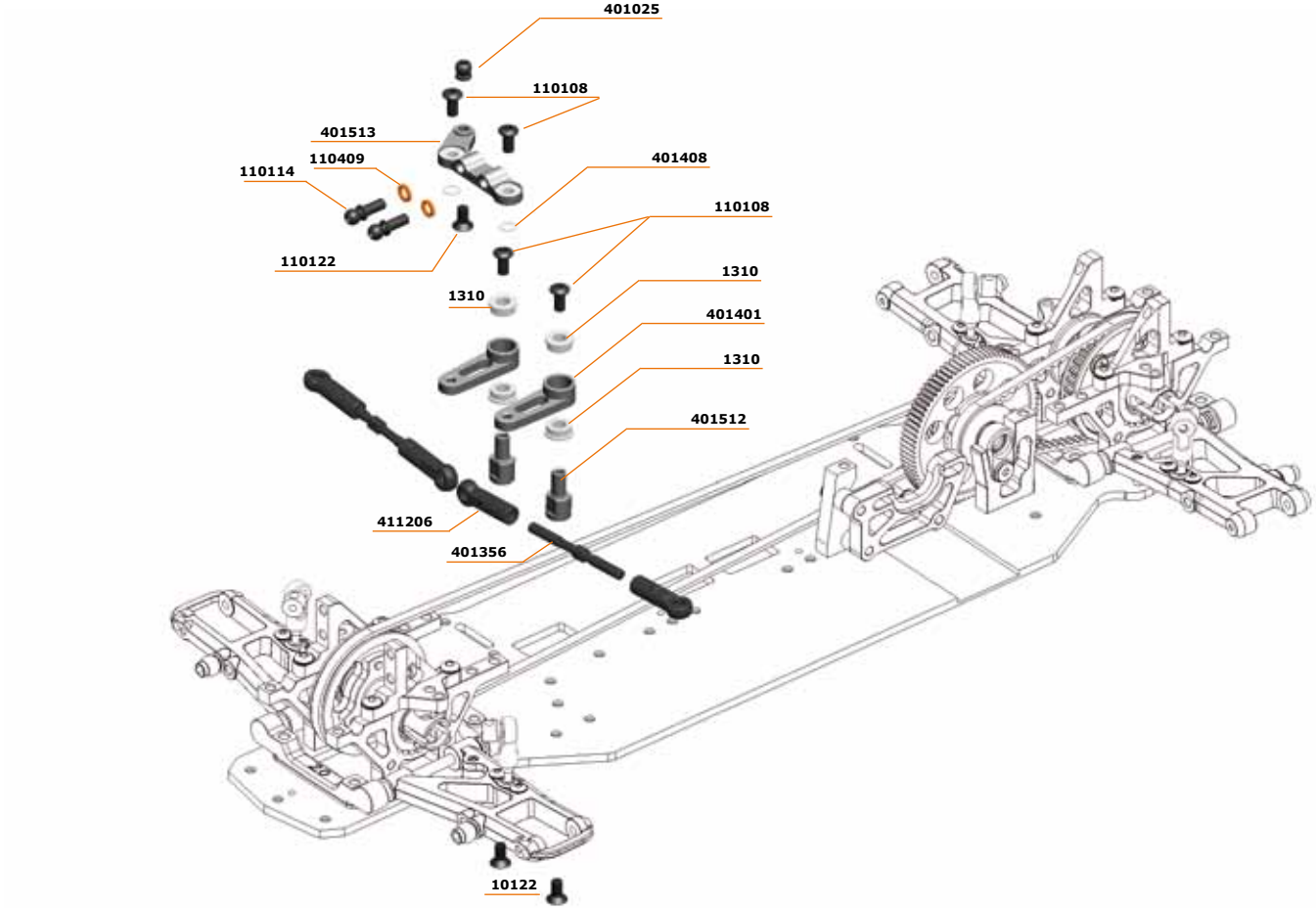
A

26

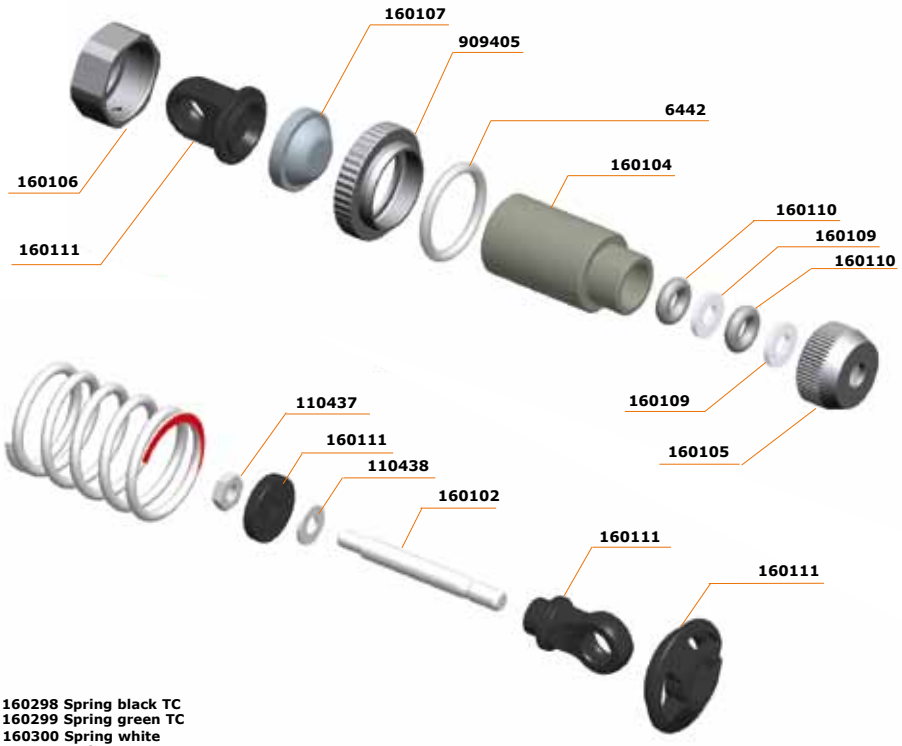



M3x15
M3x15

STEERING ASSEMBLY



Exploded view RCM shocks



160298 Spring black TC
160299 Spring green TC
160300 Spring white
160297 Spring grey TC
160301 Spring yellow (std)
160302 Spring orange (std)
160303 Spring red
160304 Spring pink
160305 Spring blue
160306 Spring purple
160310 Spring-set L23 (5x2)

160100 Shockset RCM on-road (2)

Serpent 411-TE extra parts-list

CHASSIS

401444 Chassis carbon 2.25mm
401495 Topdeck carbon 411 2mm flex

Optionals

401354 Chassis carbon 2.5mm
401374 Topdeck carbon 2mm
401431 Topdeck carbon 2.5mm
401563 Topdeck carbon 1.75mm
401432 Chassis carbon 2mm

SHOCK ABSORBERS

6442 O-ring adj.nut (10)
160100 Shockset RCM on-road short (2)
160102 Shock RCM shaft short (2)
160104 Shock RCM body alu (2)
160105 Shock RCM bottom (2)
160106 Shock RCM top nut (2)
160107 Shock RCM membrame (4)
160109 Shock RCM bushing machined (8)
160110 Shock RCM bottom O-ring (8)
160111 Shock RCM parts frame nylon short (14)
909405 Shock adj nut alu +o-ring (4)

Optionals

160108 Shock RCM bushings (8)
160115 Shock RCM shaft short TiN coated (2)

OTHER

401465 Steeringrack V2
401497 Antirollbar 1.4mm rear
401464 Battery mount carbon F/R
401526 Geardiff revision set V2
401532 Geardiff uni 1/10 EP



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Sheet internal part-number: #54222-2