

TT02 Box-stock

Item	Description	Replacement	Part #
Chassis	Standard TT-02 (no drift, R, or S line) *see below for TT-01 exception details*		
Servo	Any		
Battery	ROAR Approved Hardcase 2s Lipo (8.4V max when fully charged)		
Shocks	Kit included		
Motor	Kit included (must retain motor wire bullets)	Tamiya Torque Tuned	54358
ESC	Kit included (must retain motor wire bullets and can have either Tamiya, Deans, or XT60 connector installed)	Hobbywing 1060	30120203
Pinion	Kit included	22T Mod 0.6	50357
Spur	Kit included	70T	51531
Wheels	Kit included	26mm wide	Various
Tires	Kit included	Slick or treaded (no foams)	50419 / 50454
Body	Kit included (no Raikiri GT) *body must be cut out on the molded cut lines*	190mm wide	Various
Servo saver	Kit included		
Screws	Any		
Cooling fan	Any (but must run off the same 2S battery powering the vehicle)		
Weight	Minimum weight: NONE currently. NO weights, of ANY KIND, may be put on the car for ballast. **we may revisit this later**		
Bearings	Kit included or steel bearings		
Build exceptions	You do not have to use the receiver box or motor shroud		
Notes	Kit should be built per the instructions other than what has been explicitly specified		
	Kit can be built in either the 251 or 257mm wheelbase		
	Kit can be built in either the low or high configuration		
	Other brand pinion gears can be used (e.g. Yeah Racing), just ensure they're the correct tooth count and pitch		
	You can change the body, wheels, and tires, as long as they Tamiya brand and follow their respective requirements (e.g. width and tire part #'s)		
	Body posts can be shortened		
	Both front & rear gear diffs MUST rotate in the opposite direction when physically turning opposing wheels. TEST METHOD USED: When holding the main center drive shaft, connecting the front and rear gearboxes, stationery, the wheel on the opposite side of the one being rotated must rotate in the opposite direction. The diff will be considered locked if opposing wheels turn in the same direction, therefore considered not legal to race on track. Locking the diff with putty, ear plugs, or HIGH viscosity grease is not allowed.		
Other exceptions	TT-01E chassis allowed if it follows the same guidelines of built to manual, friction shocks, stock gearing, bearings allowed etc, essentially no hop-ups except for bearings		

TCS Euro Truck as of 12/10/25 - <https://www.tamiyausa.com/tcs/rules/>

Item	Description
Chassis	Kits: 58632 Team Hahn Racing MAN TGS, 58642 Team Reinert Racing MAN TGS, 58661 Buggyra Racing Fat Fox, and 58683 Tankpool24 Mercedes Actros
Battery	Any stick-pack type, hard round case LiPo, NiCD, or Ni-MH is allowed. Examples: Reedy Wolf-Pack, Peak Racing, ProTek-RC, and Powermax batteries.
Shocks	Kit included, or Tamiya CVA Mini Shock Unit Set 4 pcs. Item #53619
Springs	Kit included
Motor	Must use the kit supplied motor. (item 54358 RS-540 Torque-Tuned Motor)
ESC	Must use the kit supplied Tamiya TBLE-02S/TBLE-04S ESC or THW-1060 Brushed Motor ESC (2-3S) Hobbywing OEM-Same as QUICRUN 1060 BRUSHED ESC (2-3S). **For battery connection, Deans or XT-60 can be used. The ESC & Motor wires may not be shortened or removed! The Bullet Connectors may not be removed from the ESC or motor.**
Pinion	19-Tooth Pinion, item 50355
Spur	61-Tooth Spur, item 51004
Servo saver	Kit included, or any Tamiya servo saver.
Wheels	Kit included, and it's allowed to mix & match front/rear wheel position on the truck for durability.
Tires	Must use kit type tires, and wheels. Note: TIRE INSERTS OF ANY KIND ARE NOT PERMITTED.
Body	Tamiya kit included only, and all polycarbonate body parts must be used.
Weight	NONE. Also, NO weights, of ANY KIND, may be put on the truck for ballast.
Build requirements	The kit must be built EXACTLY per the instruction manual. All attachment screws in the kit must be used to secure all parts. You may not omit screws to change the handling of the truck. NOTE: The plastic motor cover, (part D8) directly over the motor, does not need to be used. It's optional.
Build exceptions	You can update your Euro truck with the oil shock set, #53619, as well as any TT-01E bearing set.
Diff Rules	Both front & rear gear diffs MUST rotate in the opposite direction when physically turning opposing wheels. TEST METHOD USED: When holding the main center drive shaft, connecting the front and rear gearboxes, stationery, the wheel on the opposite side of the one being rotated must rotate in the opposite direction. The diff will be considered locked if opposing wheels turn in the same direction, therefore considered not legal to race on track. Locking the diff with putty, ear plugs, or HIGH viscosity grease is not allowed.

TCS GT Pro Spec as of 12/10/25 - <https://www.tamiyausa.com/tcs/rules/>

Item	Description
Chassis	TT-02, TT-02R, TT-02RR kits only. Note: TT-02 Type S kits are not legal for this class, nor TT-02 Type S specific suspension Hop-Ups. <i>*see below for TT-01 exception details*</i>
Battery	ROAR Approved Hardcase 2s Lipo (8.4V max when fully charged)
Shocks	The only Hop-Up Option shock allowed is the Tamiya CVA plastic shock unit. (Item 50746)
Springs	You may only use the kit supplied, 5 coil, or 7 coil, chrome spring in the CVA shock unit set, and item 53440 RC On-Road Spring Set (Hard). These springs are color coded blue, red, yellow, and white, for easy identification.
Motor	<i>Reedy Sonic FTM fixed timing motor 21.5T (Part #297)</i> , Hobbywing Xerun Justock 3650 SD G2.1 Sensored Brushless Motor 21.5T (Part #30408012) <i>or the kit supplied brushed motor.</i>
ESC	ESC No BOOST (Electronic Speed Control) rules: Any ROAR legal, and approved, ESC may be used, capable of "Blinky-Mode". These ESC's must not use electronic timing (boost). See General Rules for ROAR approved "blinky" ESC list.
Pinion	Pinion gear ratio options shown in the TT-02 kit, and the speed-tuned gear set motor mount chart. Finding ways to exceed the maximum gear ratio, shown in the manual charts, is not allowed. Maximum gear ratio from the speed tuned gear set: 5.74:1 (64T Spur-29T Pinion)
Spur	Tamiya TT-02 stock, and TT-02 Tamiya speed-tuned spur gears are allowed. TT-02 Gears: Stock-70T, Speed-Tuned-68T, and 64T (51356)
Wheels\Tires	<i>Gravity USGT (gray rim) pre-mounts only (P/N GRC123).</i>
Wheel hubs	Wheel hubs: 4mm, 5mm and 6mm wheel hex hubs only. TT-02 kits include 9mm plastic hex hubs. They are not allowed.
Body	<i>Any Tamiya 190mm GT Body.</i> Highly suggested to use the bodies covered under TCS Rule 15.9 if you plan to compete in TCS
Wing	You may use the stock wing from the body set, or you may use any of the following Hop-Up-Option wing sets; item 53604 53470 54688 54729 and 22015 Note: Tamiya Aluminum Hop-Up-Option wing mounts are permitted. Items: 54773 RC Aluminum Wing Stay 2, and 54510 RC Aluminum Wing Stay
Weight	Minimum weight: 1400 grams.
Build exceptions	Any TT-02 Hop-Up Option is allowed with the 2 exceptions listed: A. No aluminum body shocks. B. No carbon shock towers.
Recommend	• Ball Bearing set: (item 54476) highly recommended. • Speed Tuned Gear Set: (item 54500) highly recommended. • 64T Spur Gear: (item 51356) highly recommended. • Aluminum motor mount: (item 54558) highly recommended. • Plastic Oil-filled dampers: (items 50746) highly recommended • Aluminum Prop-shaft: (item 54501) • TT02 Alum Propeller Joint (item 54502 or 22066) Note: Item 22006 will last longer. • Steering Turn Buckle set: (item 53662). • Toe-In Rear-Uprights (TT-02 item 54549/2.5 degree & 54733/3.0 degree) • RC On-Road Spring Set (Hard) (item 53440) highly recommended • Oil Gear Differential Unit (item 54875) or Oil Gear Differential Unit (item 22049) • Universal drive shaft set (item 53792 for Oil Differential Unit 54875) • Universal drive shaft set (item 51700, 51444, and 54623 for Oil Differential Unit 22049) • Adjustable Upper Arm Set (item 54874) • RC Type-S Alum Steering Set Long Tie-rod Type (item 54965)
Other exceptions	<i>The TT-01E chassis is allowed, but is not TCS legal (example: converted euro trucks). TT-01E - Maximum gear ratio 5.72:1 (55T Spur-25T Pinion)</i>

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

