

# FLYSLOT 2017 “ETRC TRUCKS” NORTH AMERICA NATIONAL RULES

## NOTES:

08/14/17 – Official Release

## DATE/TIME:

National Event: 11/04/17

Regional Events: Click on the "Recent/Current Sanctioned Remote Events" menu option on top of this page.

Any shops, clubs or slot car organizations interested in holding a regional event contact Robert Holt by phone (908-397-7886) or e-mail (holtr371@yahoo.com)

## ELIGIBLE DRIVERS:

The top 4 finishers in each Flyslot 2017 “ETRC Trucks” regional event held across N. America not previously qualified are eligible to complete in the N. America Championship race. All drivers that qualify and plan on attending the “National Event” should take note that the following rules will be utilized and enforced. Modifications to these rules for “Regional Events” such as the use of different tires or other specific parts or rules are permitted with advanced notification given by the race director for the event. *(Click here for a listing of the drivers who have qualified for the Flyslot 2017 “ETRC Trucks” National Championship to date.)*

## ELIGIBLE TRUCKS:

Only the following Flyslot “ETRC Trucks” brand trucks as raced in the FIA European Truck Racing Championship from 1994 – 2005 and 2006 - current are permitted – Buggyra, MAN, Mercedes Benz, and SISU. No lightweight racing versions will be permitted. As new trucks are introduced they will be reviewed and added to the approved list if eligible (see approved parts list for complete list). Kits, if made available, must be complete with all the parts that come in the kit, excepting those changes allowed below. See pictures below for eligible truck examples



Buggyra



MAN



**Mercedes Benz**



**SISU**

### **GENERAL:**

Any modifications or parts not specifically addressed in the series rules or are not listed in the approved trucks/parts list are not legal and will not be permitted. If the rules stated on this page do not indicate a part or tuning method IS allowed, it is NOT allowed. Any modifications that are made and/or tuning techniques used are made at the racer's own risk. Any variations to these rules must be approved in advance by GTSLOTS. All rules are subject to change.

### **THE BODY:**

Bodies may not be modified, lightened, or cut in any way – including wheel wells, body posts, interiors, etc. EXCEPTIONS: Sharp edges, burrs, and mold flashing may be trimmed and/or sanded to permit clearance for the proper seating of the body onto the chassis and to allow for body float. No more than .010” of material should be removed where applicable. If a standard credit card can be passed in the gap between the body and chassis, the sanding has exceeded tolerance and the truck may fail inspection. All trucks must start each race with all parts intact (I.E. interior details, radiator screens, hoses represented by wound wire springs and/or plastic materials, air tanks, water tanks, engine details, fifth-wheel coupling, wings and/or spoiler(s), etc.) as came on the original model excepting for mirrors, wipers, antennas, and small valve details. Bodies and interiors may be custom painted, however all trucks must have proper numbers and markings as is prototypical and resemble FIA ETRC race trucks. Bodies must be attached by any and all screws locations provided by the factory, using any manufacturer's screws, and shims are permitted to adjust chassis/body/tire tweak and clearance. If body screws are run loose, tape should be placed over the screw holes on the bottom of the chassis where possible. All trucks must use the complete and unmodified interior. All windows must remain transparent as is prototypical with window netting in place if supplied.

### **CHASSIS:**

Only the Flyslot inline truck type chassis of the correct model type is permitted and may not be modified in any manner. NO TRACTION MAGNETS. Sanding of the edges and interference points of the chassis for float is legal. No more than .010” of material where applicable should be removed where applicable. If a standard credit card can be passed in the gap between the body and chassis, the sanding has exceeded tolerance and the truck may fail inspection. Mold flashing and the plastic injection/molding ejection/overflow expansion points may be removed (Note: this does not include wire pathway posts). NO modifications to axle mounts and openings front or rear are permitted. (Note: chassis may not be modified in any manner to fit gears.)

### **AXLES\BUSHINGS\WHEELS\TIRES:**

Only the Flyslot and/or Racer Sideways 3/32” truck wheels are permitted. Any manufacturer's 3/32” axles, rear bushings (no offset type or ball bearings), axle shims, and spacers are permitted. Bushings may be glued in

place. Stock front and rear wheel assemblies and/or Racer Sideways front (single/aluminum) and rear (dual/aluminum or magnesium) truck wheels are permitted. Stock plastic wheels may be lightly sanded for the purposes of truing. Wheels may be painted. CA (Super) glue may be used to repair loose or attach plastic wheels. Flyslot stock or Racer Sideways (hard or medium) rubber truck tires may be used on the front. Front tires may be both glued and trued, and may extend past the body at the front wheel wells by no more than 1.0mm (.040”) on each side. (Caution: removal of too much of the front tire material will lead to the possible interference of the vehicle storage mounting post under the chassis with the track.) All rear tires to be supplied by race host (Regional) or GTSLOTS (Regional and National) on race day unless otherwise noted.

Approved rear tires are:

“Quick Slicks” tire(s) #FL91XF (1.024”x.3.73”) or #FL92XF (1.043”x.373”). Tire combinations are permitted. Rear tires may extend past body at the rear wheel wells by no more than 1.0mm (.040”) on each side. No chemicals may be used on the tires. Tires are subject to change at the Nationals and due to availability some tire sizes may not be available. Regional hosts can determine tires to be used for their regional race.

### **GEARING:**

ONLY Slot.it 8/9/10 tooth 5.5 mm pinions and the 24/25/26/27 tooth (ratios – 8T - 3.00/3.13/3.25/3.38, 9T - 2.67/2.78/2.89/3.00, 10T - 2.40/2.50/2.60/2.70) inline crown (standard or offset) gears are permitted. Driver may apply grease to the gears.

### **GUIDE BLADES/BRAID/ELECTRICAL:**

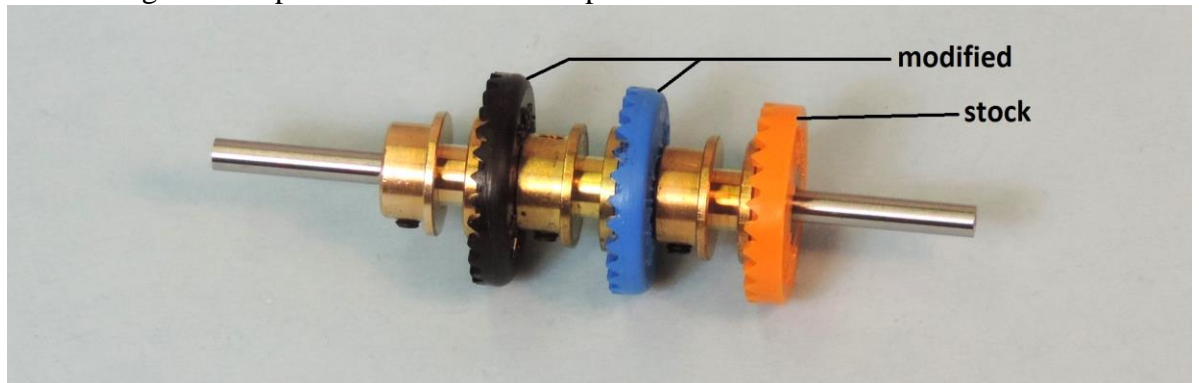
Only the Flyslot stock guide blade w/spring is permitted. The guide spring may be modified to adjust the spring pressure, replaced with a different spring or spring material, and/or removed completely from the guide blade. In addition, shims and/or stops may be added to limit the up and down and rotational movement of the guide blade. Any manufacture’s braid and wire may be used and must be attached to the guide/braid through the use of any manufacture’s eyelets. (Note: the lead wires may be soldered directly to the eyelets only and may not be glued or soldered to the braid). Wires may be held in place and supported on the chassis using tape, heat shrink tubing, and/or silicone adhesive.

### **ALLOWED MODIFICATIONS TO THE CHASSIS/BODY:**

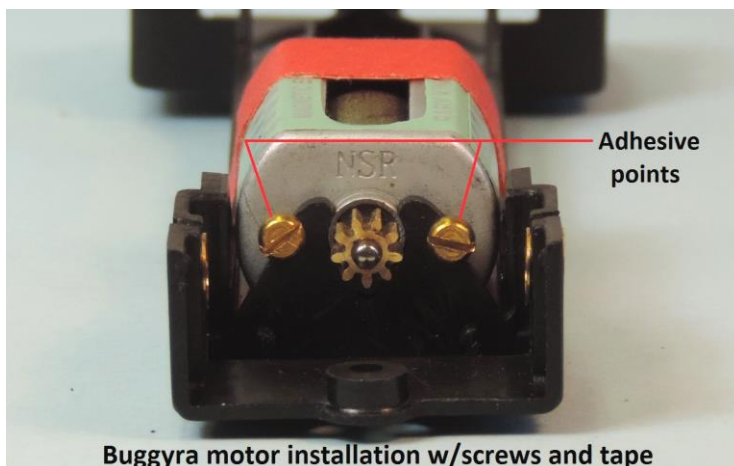
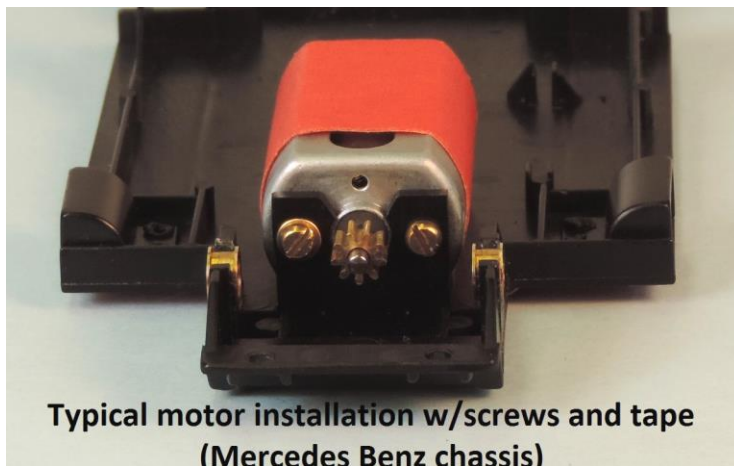
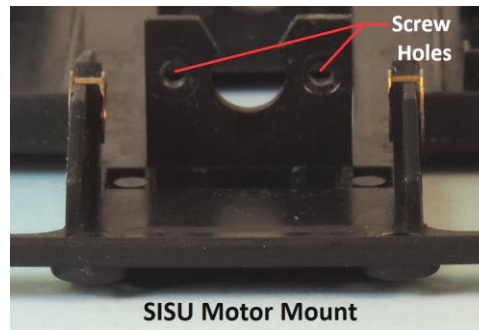
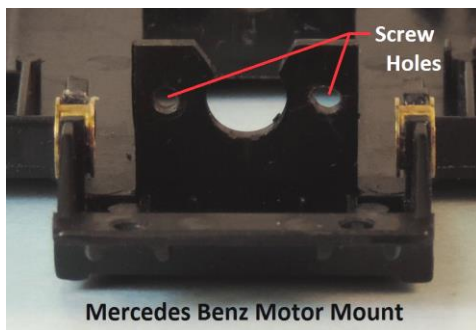
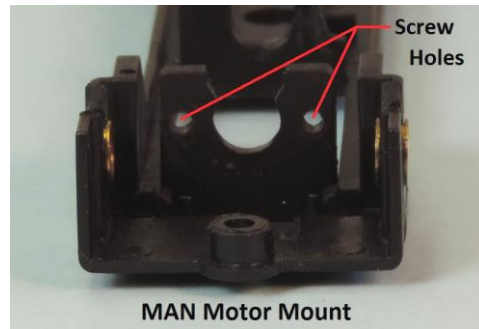
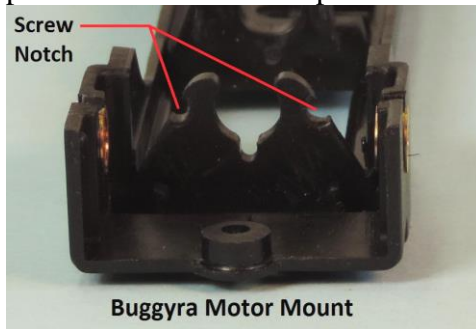
In order to foster competition and create parity between the different models of the Flyslot “ETRC Trucks”, the following approved modifications are being permitted on a truck by truck basis (Note: all modifications should be made in a clean and professional manner and not deter from the proper “look” of the truck). Any such modifications are made at the racer’s own risk:

#### **General (all trucks):**

- Interference has been found between the inline crown gear and the relief pocket molded into the chassis for some of the trucks. As such, it is permitted to chamfer the interfering edge of the crown gear. See pictures below for examples:



- Besides the use of tape, the can end of the motor mount portion of the chassis may be drilled and/or notched to permit the use of any manufacturer’s motor mount screws to allow for the supporting of the motor in place to the chassis. (Note: on the Buggyra chassis, it is permitted to use hot glue or other easily removable glue to assist in retaining of the motor screws.) See pictures below for examples:

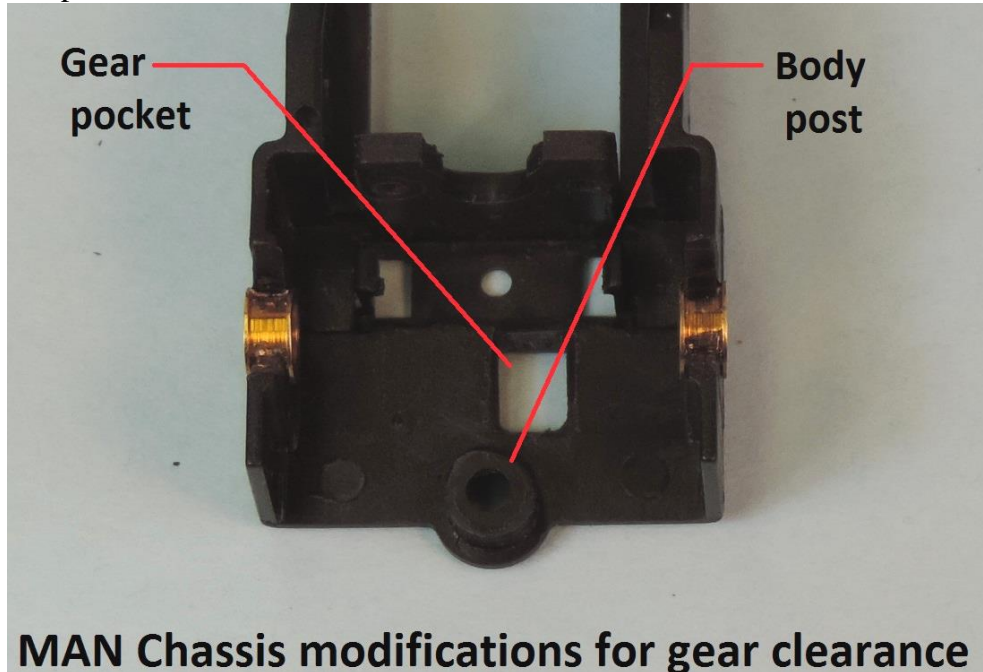


- (Hold)

**Buggyra:** none required at this time

**MAN:**

- It is permitted to modify the chassis in the area of the gear relief pocket and rear chassis body post to allow for the proper clearances for the use of the Slot.it 27 tooth inline crown gear. See picture below:



- (Hold)

**Mercedes Benz:** none required at this time

**SISU:** none required at this time

**MOTOR:**

Regional Events:

Motors provided by the race host or racers themselves (SCC “Jaws” long can (FK-180) – rated 17.5k @12volts) using the appropriate Slot.it 8/9/10 tooth 5.5mm pinion. It is suggested that the motors of the top 5 finishers be tested at the conclusion of the event to confirm legality with the results (if tested) provided to GTSLOTS along with the event race results. (NOTE: Contact GTSLOT technical contacts shown below for additional information on the testing of motors.)

Nationals:

Only the provided handout (SCC “Jaws” long can (FK-180) – rated 17.5k @12volts) motor is legal for the National event and will be supplied by GTSLOTS. Motors will be pre-tested, pre-lubricated, and marked with an ID code; racers will provide their own pinion gears (8/9/10 tooth 5.5mm); trim the motor shafts as required; and will be responsible for the proper soldering of the lead wires to the motor tabs without overheating the tabs and causing damage to the motor. No chemicals (example: Voo Doo drops, etc.) shall be added to the motors. For the sole purpose to hold the motor in place, motors may ONLY be attached in place in the motor pod by

either using any manufacture’s motor screws w/washers through the appropriate screw holes drilled in the chassis motor mount and into the pre-threaded holes in the “can” end of the motor, and/or using tape. Holes may be cut out of the tape to allow for cooling over the motor vent holes. Racers would receive their handout motor at a predetermined time at the event, have the opportunity to test/practice with the handout motor before the start of competition, the option to purchase a replacement motor prior to the start of competition, and keep the motor(s) at the conclusion of the event.

**WEIGHT:**

Weight may be added to the inside of the body and/or any surface of the chassis. Added weight may not be utilized to alter the function or movement of the front or rear axles. NO weight may be attached to the underside of the chassis.

**LIGHTING (Optional):**

Not permitted.

**TRACK VOLTAGE:**

Suggested 12 volts (Note: track power will be set at 12 volts for the N. America finals and the GTSLOTS regional races)

**RACE PROCEDURES:** (as to be used at the N. America finals and GTSLOTS regional events):

- All participating race cars will be inspected to ensure rule compliance. A few test laps (the number to be determined by the race organizer) will be allowed prior to the final inspection.
- It is the responsibility of each participant to make sure that the front spoiler, chassis, and spur gear of their car has sufficient clearance to the track and pickup rail surface so as not to rub under race conditions and will be inspected for such clearance.
- Loose parts, wheel inserts, etc. may be attached and/or repaired using any type of available glue.
- Cars will be impounded after the inspection process and drivers cannot touch their cars unless done under “green flag” race conditions under the observation of a race official.
- Any controller is permitted, provided that the controller does not store an electrical charge.
- The race director for the event (the race organizer holding the event) will have the final determination if any questions or conflicts arise.
- Drivers and/or their authorized representatives may repair broken or damaged cars (IE: damaged braids, broken wires, loose gears and/or wheels, lose or missing screws, etc.) during “green flag” conditions, only under the view of a race official assigned by the race director, repairs must be properly performed to meet all posted rules, and parts may not be torn or broken off the car where screws are used to retain the parts (IE: the front spoiler, etc.) to perform the repair.
- For any clarification of the race procedures being used at the National Championship please contact:

Robert Holt by phone (908-397-7886) or e-mail (holtr371@yahoo.com)

Bob Kuss by phone (610-996-0595) or e-mail (lotus74s6@verizon.net)

## **FLYSLOT 2017 “ETRC TRUCKS”**

### **Approved Parts List:**

#### Flyslot Parts Lists:

##### Approved Trucks:

- #201101 – SISU SL250 white Graphix – Brands Hatch FIA ETRC 2011
- #201102 – SISU SL250 Brands Hatch ETRC 2017
- #201301 – SISU SL250 UPS Racing Truck
- #201302 – SISU SL250 FedEx Racing Truck
- #201303 – SISU SL250 Scooby-Doo Limited Edition
- #201305 – SISU SL250 JPS Racing Super Truck Limited Edition
- #202101 – Mercedes Benz Atego – Zolder European Truck Race Battle 2012
- #202102 – Mercedes Benz Atego – 100 Jahre Nutzfahrzeug 1996
- #202103 – Mercedes Benz Atego GloboFleet – Negaro FIA ETRC 2012
- #202104 – Mercedes Benz Atego Shell Euper Racing Truck
- #202105 – Mercedes Benz Atego – Barcelona Truck GP 2008
- #202302 – Mercedes Benz Atego – Charlotte 600 Coca Cola Limited Edition
- #202307 – Mercedes Benz Duff Bear Simpson Limited Edition
- #202308 – Mercedes Benz Rothmans Super Racing Truck Limited Edition
- #202309 – Mercedes Benz Atego AEG Limited Edition
- #202311 – Mercedes Benz St. Pauli’s Girl Special Edition #77
- #202311A – Mercedes Benz St. Pauli’s Girl Special Edition #88 – Light Orange
- #202311B – Mercedes Benz St. Pauli’s Girl Special Edition #88 – Blue
- #202311C – Mercedes Benz St. Pauli’s Girl Special Edition #88 – Dark Orange
- #202312 – Mercedes Benz – Martini #2 Special Edition
- #203101 – MAN TR1400 yellow PeWag – Le Mans FIA ETRC 2003
- #203102 – MAN TR1400 silver Bosinger – Nurburgring FIA ETRC 2006
- #203103 – MAN TR1400 Gulf – FIA ETRC 2009 – Jean Pierre Blaise
- #203104 – MAN TR1400 Mad Croc – Misano FIA ETRC 2012
- #203105 – MAN TR1400 Castrol – Donington FIA ETRC 2012
- #203106 – MAN TR1400 #44 Lion Racing Team – Le Mans FIA ETRC 2012
- #203107 – MAN TR1400 OXXO Racing Team
- #203108 – MAN TR1400 #66 Lion Racing Team – Le Mans FIA ETRC 2012
- #203109 – MAN TR1400 Minions Special Edition
- #203110 – MAN TR1400 Gulf – Smolensk Truck (Russia) GP 2010
- #203301 – MAN TR1400 Optima – Barcelona FIA ETRC 2007 – A. Albacete
- #203304 – MAN TR1400 black JPS Limited Edition
- #203305 – MAN TR1400 #1 Martini Limited Edition
- #205306 – MAN TR1400 Heineken Limited Edition
- #205308 – MAN TR1400 Loony Tunes Limited Edition
- #205309 – MAN TR1400 – “Cepsa” Edition
- #205101 – Buggyra MK R08 Nurburgring GP 2014
- #205102 – Buggyra MK08R Dutch GP 2009
- #205103 – Buggyra MK08 Vrsecky Racing Super Trucks ETRC
- #205301 – Buggyra MK08R JPS – black Racing Truck (New Zealand Slot Club Edition)
- #205302 – Buggyra MK08R JPS – gold Racing Truck (New Zealand Slot Club Edition)
- #205303 – Buggyra MK08R Monster Edition

Body Parts:

- #20104 – SISU Mirrors
- #20204 – Mercedes Benz Mirrors
- #20304 – MAN Mirrors
- #20404 – Buggyra Mirrors
- #79184 – Fly Bucket Seat (old part no.)
- #80030 – Old Pilot (Driver)

Chassis:

- #20101 – SISU Chassis
- #20201 – Mercedes Benz Chassis
- #20301 – MAN Chassis
- #20401 – Buggyra Chassis
- #78118 – Fly SISU Chassis (old part no.)

Front/Rear Axle Assemblies w/ Wheels:

- #20102 – SISU Front Axle Assembly
- #20103 – SISU Rear Axle Assembly
- #20202 – Mercedes Benz Front Axle Assembly)
- #20203 – Mercedes Benz Rear Axle Assembly
- #20302 – MAN Front Axle Assembly
- #20303 – MAN Rear Axle Assembly
- #20402 – Buggyra Front Axle Assembly
- #20403 – Buggyra Rear Axle Assembly
- #80022 – Tyres Track Tipe 7 (6 pcs.)

Guide Blades, braid, and wire:

- #80002 – Complete Truck Guide Blade w/spring, braid, eyelets, & wire

Other manufacture’s approved parts:

Axles & Axle Spacers:

- Any manufactures axles are permitted.
- Any manufacturer’s spacers/shims/washers are permitted (for axles, body, and motor mount).

Bushings:

- Any manufacturer’s bushings are permitted. (NO offset type or ball bearings)

Gears:

- #GI24-BZ – Slot.it 24 tooth Bronze In-Line Crown
- #GI24-AL – Slot.it 24 tooth Aluminum In-Line Crown
- #GO24-BZ – Slot.it 24 tooth Bronze Offset In-Line Crown
- #GO24-AL – Slot.it 24 tooth Aluminum Offset In-Line Crown
- #GI25-BZ – Slot.it 25 tooth Bronze In-Line Crown
- #GI25-AL – Slot.it 25 tooth Aluminum In-Line Crown
- #GO25-BZ – Slot.it 25 tooth Bronze Offset In-Line Crown
- #GO25-AL – Slot.it 25 tooth Aluminum Offset In-Line Crown
- #GI26-BZ – Slot.it 26 tooth Bronze In-Line Crown
- #GI26-AL – Slot.it 26 tooth Aluminum In-Line Crown
- #GO26-BZ – Slot.it 26 tooth Bronze Offset In-Line Crown



#GO26-AL – Slot.it 26 tooth Aluminum Offset In-Line Crown  
#GI27-BZ – Slot.it 27 tooth Bronze In-Line Crown  
#GI27-AL – Slot.it 27 tooth Aluminum In-Line Crown  
#GO27-BZ – Slot.it 27 tooth Bronze Offset In-Line Crown  
#GO27-AL – Slot.it 27 tooth Aluminum Offset In-Line Crown  
#PI08 – Slot.it 8 tooth, 5.5mm, Brass In-line pinion  
#PI09 – Slot.it 9 tooth, 5.5mm, Brass In-line pinion  
#PI10 – Slot.it 10 tooth, 5.5mm, Brass In-line Pinion

Guide Blades, braid, eyelets, spacers, & wire:

Any manufacturer’s braid is permitted.  
Any manufacturer’s eyelets are permitted.  
Any manufacturer’s guide spacers are permitted.  
Any manufacturer’s wire is permitted.

Motor:

#JAWS17 – Slot Car Corner “Jaws” (FK-180) long can – 17.5K@12V

Screws and set screws:

Any manufacturer’s screws are permitted.  
Any manufacturer’s set screws are permitted.

Tires:

Front:

#PS1M-TR – Sideways Pro-Speed Medium Rubber Truck Tires  
#PS1F-TR – Sideways Pro-Speed Hard Front Rubber Truck Tires (55 shore)

Rear:

#FL91XF – Quick Slicks Silicone Tires  
#FL92XF – Quick Slicks Silicone Tires

Wheels:

#SWW/TR01 – Sideways Aluminum Front Truck Wheels  
#SWW/TR02 – Sideways Aluminum Rear (dual) Truck Wheels  
#SWW/TR02-MG – Sideways Magnesium Rear (dual) Truck Wheels