

Akron/Canton OH HO

TFX Rules

Body:

- Legal manufactures include
 - a. Johnny Lightning
 - b. Auto World
 - c. No other manufacturer or resin reproduction is allowed.
- Body must have two (2) screw post and must not be moved from original manufactured position.
- Body posts may be sanded or ground to lower body
- Body may be lightened by sanding or grinding but not cut through
- Front and rear window openings can NOT be enlarged beyond factory molding/design
- Wheel Wells may NOT be modified from stock – no grinding heating to reform, etc.
- Original wheel base of body is not to be modified
- Windshields are required – side and rear glass is optional
- All factory bumpers, grills, etc. are to be present
- No material(s)/weight is to be added to a body.

Chassis:

- Chassis must be TFX - there is no current no alternate chassis allowed at this time

Chassis Base:

- Chassis base may not be sanded, have additions made or be altered in any way from the original manufactured design
- Chassis rivets may be pressed to tightened to chassis base
- Handling pans, weight additions, etc. are not permitted
- No altering of original holes except peening or honing axle holes to remove slop / allow free movement of shafts / axles
- Guide pin must be factory TFX – no aftermarket pin currently allowed. Pin can be glued to chassis base
- Additional and/or Rear guides of any kind are not permitted
- All conductive components must be of original TFX manufacture.
- Chassis clip may be dimpled and/or bent for retention. It can NOT be cut or lightened in any manner and must be of original material.
- Brush tensioners may be dimpled and/or bent - however material cannot be added/removed

Chassis top plate

- Chassis top plate must be original TFX
- Top plate may not be modified in any manner other than to peen the holes or spread the idler gear post to remove slop – rails are to remain uncut / as manufactured

Shoes:

- Only factory TFX shoes are allowed
- Shoes are not to have weight or shunt wires added
- Shoes are NOT modified in a manner that restricts their travel

Magnets:

- Must be factory gray dragon magnets – no other magnet allowed.
- Sanding / machining / modifying of motor magnets is NOT allowed
- Shimming magnets with not magnetic material is legal.
- Shims or Flux blockers under the armature magnets are illegal

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Armature:

- Only TFX Typhoon 16.5 or higher ohm arms are legal – no other arms allowed
- Armature must ohm at a minimum total of 48 ohms for three poles.
- Armature can be balanced, but cannot be trued.
- No grinding of the armature components allowed – any balancing (if desired) is to be done by adding material only. Any attempt to lighten the arm will be deemed illegal
- Armature commutator can be trued
- Armature shafts can be sanded to allow free movement in the chassis
- De-winding or rewinding the armature is illegal.

Axle spacers, Axles, Rims, Wheels, Tires:

- Complete wheel, axle, and tire assembly must pass through a 1 1/8 tech block when assembled on chassis
- Spacers are NOT allowed anywhere on the chassis
- All wheels, axles and tires are to be stock, unmodified TFX components – no “upgrade” stainless or tungsten axles are allowed.
- Assembled front tires are to measure .340” min, assembled rear tires are to measure .350” min.
- Tires are not to be coated, cut or modified beyond rounding of the corners of the rear tires if desired.

Gears:

- All gear must be stock, unmodified TFX gears.
- Gears may be glued to their shafts

Complete car:

- Complete car must have a between 17 grams and 23 grams
- Complete chassis must pass through 1 1/8 tech block
- Complete car must have all 4 tires touching the test track

***** NOTE: NO “TFX Upgrade” parts are allowed! - If the rules don’t say it IS allowed – then it is NOT! *****

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