General build criteria

Most cars front tack is wider than the rear however this may be done because lots of cars rear tires/rims are wider than the front

Techno Pro spirit specs (Mr Spirit Taro’s car)

Standard brakes different pads

Stripped weight 860

Race spring rates: front

Touge spring: front 7 or 8 rear 10

Street: spring: front 5-7 rear 10 hard rear sway bay front hard (cusco)

Cusco type rs LSD (1.5 way)

Street tire size: front 205/50/15 rear 225/45/16

Track tire size (lots of hard braking: front 225/45/16 rear 245 or 255/40/17 (same as lotus)

Chassis aluminium front brace

Brake balancer. If rim 16F 17R put rear brake balance. If square 50/50 balance

No Abs

Titanium roll bar weight 3.5KG  
Moroso oil pan (baffels)  
Catch can then returns to oil pan

Lots of blow by

Titanium muffler

ITBs AE111

REV limit 8900

Claims k20 or k24 messes up weight balance

Monkey wrench complete engine 1.9L good for car or toda racing

Standard radiator

No power steering

Nankang street tire (low price)

Circuit tire yokohama

Bilstein or Ennepetal coil overs

Alternators go bad due to engine bay temps

(not mentioned/used) Run a accusump

Front rims: 8J offset +25

Rear rims: 9 or 9.5J 255 +30 or 35

Extra info

Rear stabiliser (sway bar) being soft makes car oversteer bad having stiff rear helps a lot. Front soft setup is good 5-6-7-8 good spring rates rear 10-15 good spring rates with stiff sway bar.

Easy street font rim 15 rear 16 circuit 16 17

Circuits are flat best condition (dont need sidewall)

80L front fuel cell.

Project mrs plan

Step one: buy the car

Step 2: corner weight and center of gravity

Step 3: lizard 3d scan the car

Step 4 CAD: use track width to scale model

Step 5 CAD: Calculate optimal track width for performance

Step 6 CAD: lower car to 17 inch 9.5 deep dish rim 35r profile tires (subject to change)

Step 7 CAD: redesign suspension arms and double wishbones to optimal performance at ride hight

Step 8 CAD: pick rims and offset to reach perfect track width preferably square set (including offset)

Step 9 CAD: design steel widebody

Step 9 CAD: check clearance