

Team QIK Racing™

102 (LM or SS) Oval Kit

Build Guide (25.04.01.01)-AWD

INCOMPLETE

Needs to be verified with a blind build.
Check left side hardware against right side

Front body mount info on right side
incomplete

CONTENTS:

PARTS

- 100-101 Chassis
- 100-102 Firewall
- 102-39-01 Rear Body Mount Base
- 102-39-02 Rear Body Mount Arm
- 102-41-70 Front Shock Tower
- 102-42-70 Rear Shock Tower
- 100-07B Front Bulkhead
- 100-11B Caster Block (left & right)
- 100-16B Front Carrier (2)
- 100-17B-00 Rear Bulkheads (left & right)
- 100-18B Rear Carrier (2)
- 100-19 Rear Camber Link Block
- 100-31WB Front Arms (left & right)
- 100-32B-30 Rear Arms (left & right) - 3.0 degree toe
- 100-48 Shock Pivot Set (2)
- 100-51 Tray
- 100-52 Battery Twistee (2)
- 100-53 Top Brace
- 100-53-30 Top Brace Rear Screw Limiter
- 100-54 Battery Keeper
- 100-55 Cable Keeper
- 9091 YR Lower Shock Shaft Bushing (4)
- 100-01-00 Top Deck Assembly
- 203 Transmission Assembly
- 203-23 Spur Disk Assembly

ASSEMBLY STEPS

- **100-01-00 Top Deck Assembly** (see sub-assembly specific instructions)
- **203 Transmission Assembly** (see sub-assembly specific instructions)
- **203-23 Spur Disk Assembly** (see sub-assembly specific instructions)

Firewall

M4x12 FH (4) - firewall to chassis (flat surface faces servo)

Front Assembly

M3x5x5 SB (4) - pressed into bulkhead
M4x12 FH (2) - shock tower to bulkhead
M3x40 HP (2) - connect arm to bulkhead
M3x5 BH (4) - capture inner hinge pins
M3x30 HP (2) - connect arm to castor block
M3x5 BH (2) - capture outer hinge pins
M3x25 HP (2) - connect castor block to front carrier
M4x10 FH (4) - front bumper to bulkhead

Front Assembly to Chassis

M4x12 FH (3) - bulkhead to chassis
M4x12 FH (2) - top front of top deck to top rear of bulkhead
M4x12 FH (2) - top rear of top deck to firewall

PARTS BAGS

- YR-70-70 (70mm Shocks w 70mm Springs) (2)
- TRX-2443 Rear Camber Links
- TRX-2444 Front Camber Links
- TRX-2445 Front Toe Links
- TRX-1654 Hex Adaptors (2)
- TRX-2437 Front Axle Stubs
- TRX-6843 32P 52T Spur Gear
- TRX-3950X 32P 20T Pinion Gear
- TRX-4214 Body Posts (2)

Rear Drive Shafts

- TRX-9450 Bandit Rear Drive Shaft (2)

OR

- TRX-2753X
- TRX-1651
- TRX-4628R

HARDWARE KEY

BH = Button Head Screw

FH = Flat Head Screw

CH = Cap Head Screw

FW = Flat Washer

NyLoc = Nylon Locking Hex Nut

NyLocF=Nylon Locking Hex Nut Flanged

SB = Sleeve Bushing

HP = Hinge Pin

HARDWARE

M3 Button Head Screws

M3x5 BH (14)
M3x8 BH (2)
M3x10 BH (4)
M3x16 BH (10)
M3x18 BH (2)
M3x25 BH (2)
M3x30 BH (2)

M3 Flat Head Screws

M3x10 FH (9)

M3 Cap Head Screws

M3x8 CH (3)
M3x10 CH (2)
M3x16 CH (2)
M3x20 CH (2)

M3 Washers & Nuts

M3 FW (6)
M3 NyLoc (6)
M3 Nut (2)

Front Camber Links

Camber link to shock tower

- M3x18 BH (2)
- *camber link*
- M3 Nut (2)
- *shock tower*
- M3 NyLoc (2)

Camber link to caster block

- M3x16 BH (2) - thru camber link into caster block
- M3 NyLoc (2) - onto screw holding camber link to caster block

Front Toe Links

M3x16 BH (2) - thru inner end of front toe link into ackerman set

M3x16 BH (2) - thru outer end of front toe link into castor block

Front Body Mount

M4x12 FH (2) - front body mount to top of bulkhead

M4x10 FH (2) - front body mount plate to front body mount

M4x10 FH (2) - front body mount lower plate to bottom of body mount

Rear Assembly

M3x5x5 SB (8) - pressed into rear a-arm mounts and rear carriers

M3x40 HP (2) - connect arm to rear a-arm mounts

M3x5 BH (4) - capture inner hinge pins

M3x30 HP (2) - connect arm to rear carrier

M3x5 BH (4) - capture outer hinge pins

Spur Gear Assembly

M3x8 CH (3) - attaches spur gear to spur disk

Transmission to Chassis

M4x10 FH (4) - transmission to chassis

M4x15 FH (4) - rear a-arm mounts to chassis

M4x12 FH (1) - motor plate stabilizer to chassis

Rear Body Mount

M4x16 FH (2) - rear body mount base to rear of transmission

M4x16 FH (2) - rear body mount base to rear body mount arm

Rear Camber Links

M3x16 BH (2) - thru camber link into lower hole of rear camber block

M3x16 BH (2) - thru camber link into rear carrier

Top Brace

M4x30 FH (2) - through front of top brace and top deck into firewall

M4x25 FH (2) - through rear shock tower and rear of top brace into transmission

Tray

M3x10 FH (9) - thru chassis into tray

Battery Twistees (makes 2 battery twistees)

M3 FW (4) - above and below battery twistee

M3x25 BH (2) - thru battery twistee

M3 NyLoc (2) - holds twistees & washers against M3x25 BH head

Cable Keeper

M3x8 BH (2) - cable keeper to tray

M4 Hardware

M4x10 FH (12)
M4x12 FH (16)
M4x16 FH (4)
M4x25 FH (6)
M4x30 FH (2)
M4 NyLocF (4)

Bearings & More

5x11x4 Bearing (8)
M3x25 HP (2)
M3x30 HP (4)
M3x40 HP (4)
M3x5x5 SB (12)

REQUIRED to COMPLETE (not included)

- Servo
- ESC
- Motor
- Radio System
- Wheels and Tires
- Body

AND

- **Late Model (LM)**
102-38-LM-01 Front Body Mount
102-38-LM-02 Front Body Mount Top Plate

OR

- **Street Stock (SS)**
102-38-SS-01 Front Body Mount
102-38-SS-02 Front Body Mount Bottom Plate
OR
102-38-03 if you want to mount a bumper

Recommended

Servo: Yeah Racing HACKGEAR YE-0033BK

ESC: HobbyWing Justock

Motor: Hobbywing 13.5

Shock Mounting**FRONT**

M4x25 FH (2) - top of shock into shock tower
M3x16 CH (2) - bottom of shock into arm

REAR

M4x25 FH (2) - top of shock into shock tower
M3x20 CH (2) - bottom of shock thru spacer into arm

Body Posts

M3x10 BH (4) - posts to body mounts

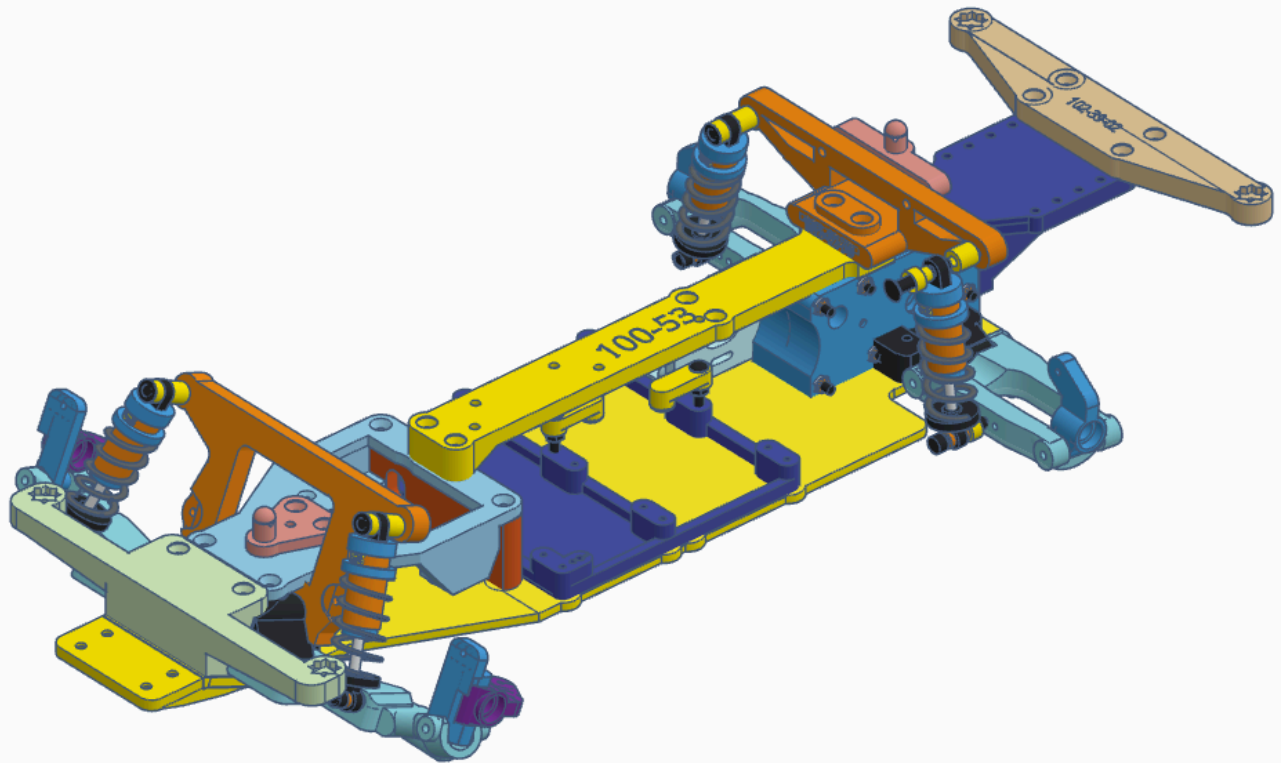
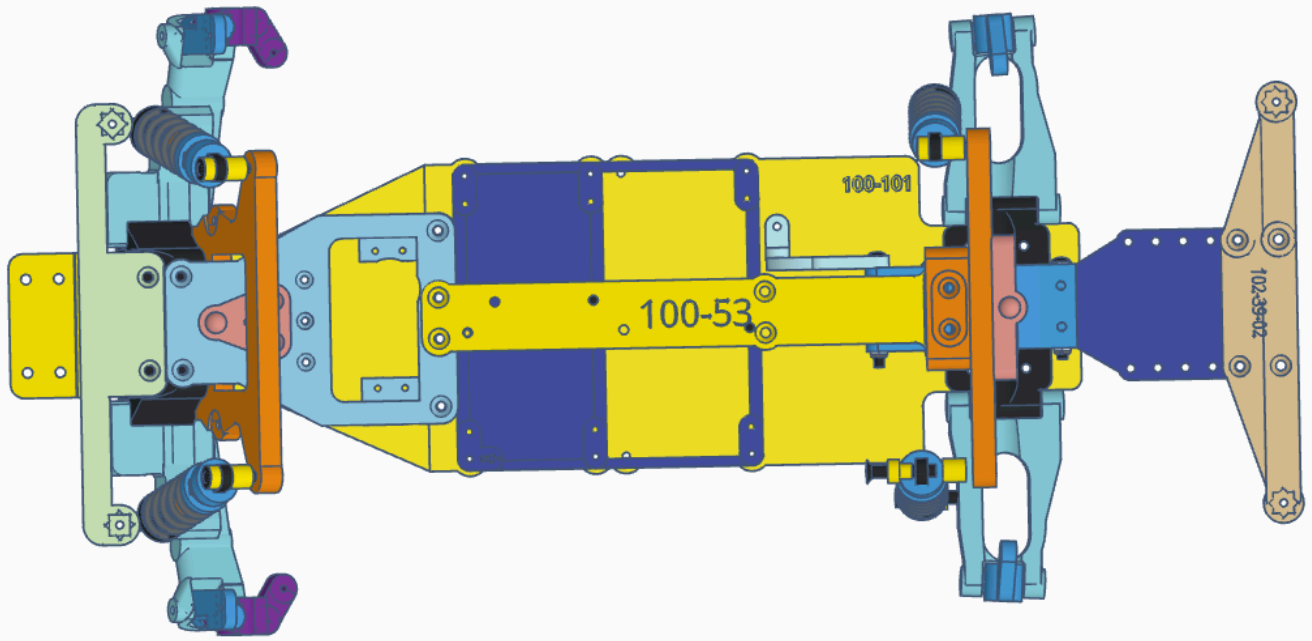
Motor Mounting

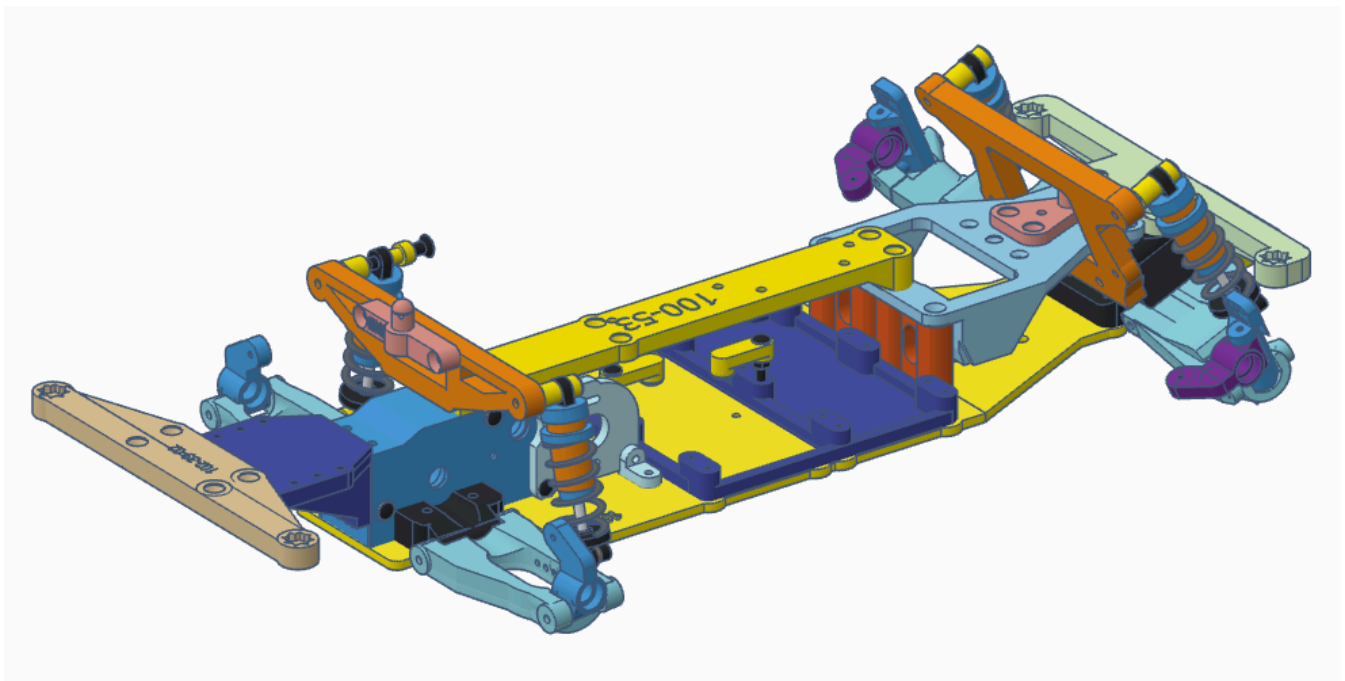
M3x10 CH (2)
M3 FW (2)

OPTIONAL and TUNING PARTS

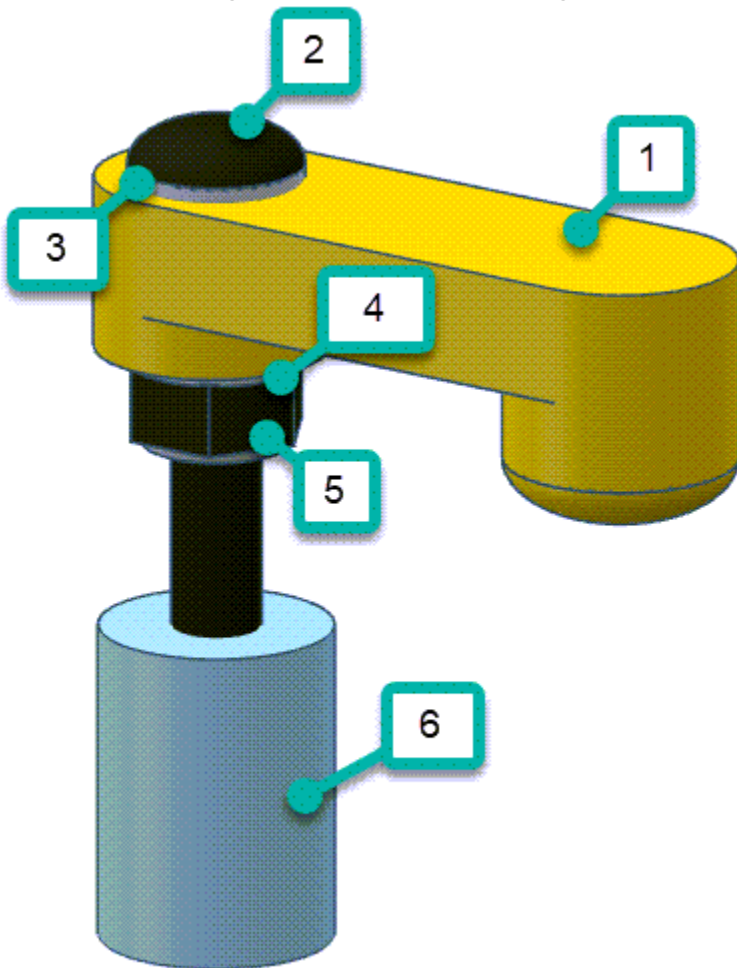
- 100-32B-20 Rear Arm (left & right) - 2.0 degree toe
- 100-32B-40 Rear Arm (left & right) - 4.0 degree toe

102 Chassis Kit





100-52 Battery Twistee Assembly



- 1) 100-52 Battery Twistee
- 2) Select which M3 BH to use...
 - a) M3x25 BH (for 18mm to 24mm thick battery)
 - b) M3x30 BH (for 25mm to 28mm thick battery)
- 3) M3 FW

- 4) M3 FW
- 5) M3 NyLoc
- 6) Battery/Electronics Tray as reference

NOTES:

SS Shark Wildcard Body Mounting Info:

- Fore/Aft reference:
 - Rear body mounts are centered on the lower edge of the rear window.
- Up/Down Reference:
 - Rear body clip is in the 12th hole from the bottom. This is about 54 mm from the top of the mount to the top of the body mount (clip in this case)
- Front body clip: is in the 8th hole from the bottom. This is about 68 mm from the top of the mount to the top of the body mount (clip in this case)
- Use a 102 mm diameter circle cutter to make the arches. Move the right side arche centers up 2 mm from the axle center and the left side arches down 2 mm from the axle center. This accounts for the body roll with all left turns.