

# FM-A CHASSIS

## Pro-Stock Malaysia build guide

An experienced racer's starting recipe, assembly sequence and track-test worksheet. Use the exact kit manual and the event's latest rule notice at inspection.



### 01 Platform and race premise

**Reference kit:** Rowdy Bull 18707. **Layout:** front-mounted single-shaft; **wheelbase:** 83 mm; **reference-kit gearing:** 3.5:1. Distinctive hardware: front motor, underside access and molded skid. Other kits using this chassis may ship with different gears, wheels or tyres.

### 02 Exact starting bill of materials

|                 |                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Base kit        | Rowdy Bull 18707; retain its matched kit gears, wheels, tyres, body and mounting hardware.                                                   |
| Motor           | <a href="#">15484 Torque-Tuned 2</a> . Start here for a controlled baseline; choose another permitted motor only after repeatable runs.      |
| Rollers         | <a href="#">15408</a> 13 mm plastic roller/stabilizer set on factory positions. Retain plastic rollers only; reject metal ball-race rollers. |
| Axle support    | <a href="#">15523</a> low-friction plastic bearings, if the kit's axle seat accepts them without processing.                                 |
| Plate / dampers | None required for the first inspected build. Add only measured 1.5 mm FRP/HG positions that satisfy the three-position limit; do not stack.  |

**Purchase check:** Tamiya compatibility listings do not guarantee body clearance or local class approval. Confirm the exact package and all fasteners before racing.

### 03 Assembly order

1. Confirm the front motor cover and underside access panel lock fully; test the molded skid over a flat surface.
2. Keep the kit 3.5:1 gear pair together. Install the single-shaft motor in the front cradle and verify the rear axle turns freely with the underpanel closed.
3. Install the kit wheels and uncut tyres in equal front/rear size. Verify every wheel is fully seated, then measure ground clearance with race batteries installed.
4. Fit plastic bearings and rollers on original mounting points. Tighten each screw until secure without bending a stay; spin the rollers by hand and remeasure width.
5. Preserve the front skid and underside panel. Use plastic rollers and plastic bearings; any 15514 plate requires thickness, count and mounting checks under the Pro-Stock sheet.

6. Run several full laps on the intended course. Record lap completion, ejection point, jump attitude and motor/battery combination before changing one variable.

## 04 Track tuning and fault isolation

On a jump that pitches nose-down, compare front brake contact and speed first. On a lane-change climb, test one front roller setting at a time while retaining clearance.

**Failure clue:** A scraping front skid can be a clearance or assembly issue; measure ground clearance with race batteries fitted.

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Baseline             | Record 3-5 clean runs, course layout, motor, batteries, kit ratio, tyres and roller holes.                         |
| Corner / lane change | Move or change one permitted roller variable; recheck width, free rotation and body/track clearance.               |
| Slope / jump         | Compare motor speed first, then one permitted brake or damper setting. Preserve the required ground clearance.     |
| Drivetrain           | If speed fades or noise rises, stop and inspect axle seating, gear pair and cover fit before using a faster ratio. |

## 05 Inspection gate

1. Confirm the event uses the 11 August 2026 Pro-Stock Malaysia sheet and read its current exceptions, motor and battery notice.
2. Check Tuned-series motor type; plastic rollers and bearings throughout; genuine Tamiya chassis and matched original gear pair, with no floating gear or metal pinion.
3. Count at most three 1.5 mm FRP/HG plate positions, left/right pair counted together; no stacks. Leave chassis, tyres and wheel mounting unprocessed.
4. Measure at least 1 mm ground clearance with batteries fitted; use equal front/rear wheel-set sizes, uncut non-sponge tyres, secure body and no loose parts.

## 06 Sources and limits

[Tamiya chassis catalogue](#) | [Rowdy Bull 18707](#) | [Tamiya competition rules](#) | [Tamiya gear matching chart](#) | [Tamiya setup guide](#)

[Pro-Stock Malaysia rulebook](#). Rules and product availability can change. This guide is an editorial build hypothesis, not an official rule interpretation or a certified parts list. Event scrutineers make the final decision.