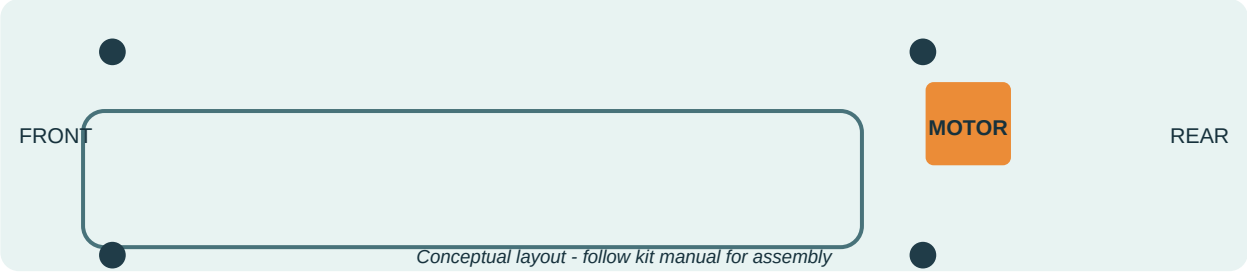
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Pro-Stock Malaysia build guide

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.



Conceptual layout - follow kit manual for assembly

01 Platform and race premise

Reference kit: Aero Avante 18701. **Layout:** rear-mounted single-shaft; **wheelbase:** 82 mm; **reference-kit gearing:** 4.2:1. Distinctive hardware: low battery placement, underside panel and six kit rollers. Other kits using this chassis may ship with different gears, wheels or tyres.

02 Starting parts and optional upgrades

Base kit	Aero Avante 18701; retain its matched kit gears, wheels, tyres, body and mounting hardware.
Motor	15484 Torque-Tuned 2. Pinions are sold separately: use the correct kit-specified plastic pinion(s), fitted to the manual's depth.
Rollers	Start with kit plastic rollers. Optional: 15408 13 mm plastic rollers with long stabilizing poles; fit to existing mounts and check height. Retain plastic rollers only; reject metal ball-race rollers.
Axle support	Retain kit supports. Optional 15523: 620 plastic bearings for wheel shafts; its 520 pieces are for PRO counter gears. Do not force an incompatible seat.
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. Keep the low-mounted batteries and underpanel unobstructed; confirm the panel latches before testing.

2. Use the kit's matched 4.2:1 gears, confirmed by Tamiya USA for item 18701. Check free rotation, the rear diffuser over the drivetrain and the separate battery underpanel.

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 axle supports and rollers in their correct seats/mounts. Secure screws without bending stays; spin rollers and remeasure width and height. Keep shaft ends covered.

5. The six kit plastic rollers make a simple legal baseline. If adding 15450 parts, use only compliant 1.5 mm plate positions and count front, rear and any side position separately.

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

Test suggestions, not measured performance claims: On a slope, compare brake contact with battery weight held constant. Low battery placement does not excuse a loose underpanel or a too-low rear stay.

Possible cause to inspect: A sudden drag after a landing often comes from the underside panel or gear cover seating; inspect before changing ratio.

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. Use a permitted Tuned motor and plastic rollers. Metal ball bearings are banned; original Tamiya metal eyelets and plastic bushings/bearings are allowed. Use genuine matched gears: no floating gears or metal pinions.

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. Use 60 mm wheel shafts on these seven chassis; equal front/rear wheel-set sizes and matched rim/tyre sizes, with no reversed wheels or sponge tyres. Measure at least 1 mm clearance with batteries fitted.

5. Decorate and securely catch the body; no split body or altered silhouette. Only damper/plate-clearance trimming is allowed. Keep roller rubber rings; no self-painted rollers or bent/cut posts.

Kit-specific gearing / hardware evidence

06 Sources and limits

Tamiya chassis catalogue | Aero Avante 18701 | 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.