



AEMCC Front-Wheel Drive (FWD) Class Regulations

Effective Date: 14 August 2025

1. Equipment

- **Electronic Speed Controller (ESC):** Must be listed on the official BRCA Approved list for Front-Wheel Drive (FWD) vehicles (e.g., Hobbywing, Team Powers).
- **Motor:** Any 17.5 Fixed Timing Motor (e.g., Hobbywing, Surpass, Team Powers).
- **Bodyshells:** Any commercially available 1:10 scale FWD bodyshell (e.g., Blitz YRS, Zoo Racing - GORILLA, Montech CIVIC).
- **Tyres:**
 - **Slick:**
 - Ride TR09 Slick Tires (belted) on 10-Spoke Wheel, Pre-Glued (4) [SKU: RI-36086]
 - **Treaded:**
 - VOLANTE 1/10 FWD V9XE 32R Radial Rubber Tyre, Pre-glued (4pcs), Seven-Spoke Wheel [SKU: V9XE-FWD32RSP]
 - RIDE FWD BELTED CUT SLICK TYRES - 5 SPOKE WHEELS WHITE (4PCS) [SKU: RI-36088] (BRCA or KOC 2025 approved)
 - Team Powers - FWD Tyre [SKU: TPR-TPG-FWTT30-H]

2. Settings

- **ESC RPM Limit:** All ESCs must be set to a maximum of 17,500 RPM, utilizing the correct firmware.
 - **Gear Ratio:** The minimum Final Drive Ratio (FDR) is 5.00. We allow a tolerance of **0.05** so must not be below 4.95. This is only allowed where a car cannot get the 5.0FDR due to its internal ratio and motor adjustment.
 - **Minimum Car Weight:** The minimum allowable car weight is 1250g.
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