

26 May 2019 - Effective Immediately

FRP Tech Bulletin - Modifications

F2000 - Zetec/MZR Technical Specifications

Article 2.1 F2000: 2.1.21:b - Air Restrictor

b. Air Restrictor

1. The required Intake Air Restrictor on all Zetec motors with a PE 3 ECU is Quicksilver Race Engines Part#1340
2. The required Intake Air Restrictor on all Zetec motors with a Pectel T2 ECU is, either the Quicksilver Race Engines Part#1340; or the Elite Engines Part #1375 (Opening 1375).

Article 2.2 Mazda MZR:

2.2.4 - Aerodynamic Aids (formerly Wings & Wickers); 2.2.6 - Aerodynamics; 2.2.17 - Dampers & Springs
2.2.26.9 - Engine Restrictors.

2.2.4: Aerodynamic Aids (Conforms with F2000 Section 2.1.5)

- a. A wing shall be defined as any shape that has a leading edge and a trailing edge and creates downforce.
 - b. Both front and rear wings/airfoils are a requirement for F2000. (See F1600/F2000 Dimensions Table pg. 27). Cockpit or remote adjustment is not permitted; wings and airfoils shall be non-movable when the car is in operation.
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- c. Any part of the car which has an influence on the aerodynamic stability of the vehicle shall be firmly attached with no provisions for adjustment to vary downforce while the car is in motion.
 - d. Shaping of the lower surfaces to create "venturi" type tunnels is prohibited. An example of venturi tunnels is shown in the following figure.
 - e. It is not permitted to duct air through any part of the bodywork for the purpose of aerodynamic downforce. There shall be no forward facing gaps or openings in or about the bodywork with the exception of those necessary for engine cooling, engine air inlet, shock, or brake cooling. All ducted air for heat exchangers shall pass through those heat exchangers
 - f. Primarily vertical air diverters greater than 30 inches forward of the main hoop (i.e. - "bargeboards") that stand away from the cockpit sides and are attached to (or through) the cockpit sides, undertrays and/or sidepods shall be considered as creating forward facing gaps and shall be prohibited.
 - g. Wings, endplates and their attachment(s) shall be of metal or glass fiber construction, and may incorporate honeycomb, wood, or foam coring for purposes of maintaining its shape under aero loading. Kevlar reinforcement is permitted.

2.2.6: Aerodynamics

6.1 Attachments or devices that are moveable or adjustable while the car is in motion and which may affect airflow are not permitted.

6.2 Maximum wing height measured from the ground with the driver on board is 90cm; Maximum rear aerofoil width (includes endplates) is 95cm.

2.2.17: Dampers and Springs

17.1 The only approved damper is the Dynamics 1640. Dampers must be run with only listed modifications

17.2 Damper internals must be Dynamic components only and must remain 3 way externally adjustable as delivered.

17.3 Dampers must be externally adjustable only and cannot be adjusted by the driver.

17.4 One (1) thrust bearing per spring is permitted.

17.5 Only linear rate steel springs are permitted.

17.6 Only approved springs may be used, 5 inches long, 2.0 inches ID. Spring rates are free.

2.2.26: ENGINE REGULATIONS

26.1.9 **EITHER** of the following Elite Engines restrictors are allowed: Part # EEMR1.26 (measures 1.260" - available from FRP); or part # EEMR1.23 (measures 1.230"; available from Elite).