

# Chapman's Can Am Motorsports Park

## Fuel System Rules & Guidelines

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### Fuel Cell/OEM Fuel Tank/Pump/Lines

#### General (All Divisions)

Everything in fuel system must pass all safety inspections.

**Fuel line:** Any and all fuel line(s) routed thru driver compartment must be heavy duty braided type, or incased in heavy duty piping material with no seams, throughout driver compartment.

#### Sportsman (Traditional & Novice)

**Fuel Cell:** Mandatory 24.5 US gallon maximum capacity that meets or exceeds FT3 specifications and must be not be older than five (5) years from the date of manufacture. The fuel cell must be mounted securely in its container and centered between the frame rails. The fuel cell must be enclosed completely in a rectangle and/or square container that is a minimum thickness of 20-gauge magnetic steel. An aluminum container may be used as an option and must be a minimum of .060"-inch in thickness. On the bottom of the fuel cell, a piece of .090-gauge material (aluminum and/or magnetic steel – in addition to the existing container) must be used at the bottom of the fuel cell container to prevent bowing and/or deflection. The .090-gauge material must have an inspection hole drilled near the center of the piece to measure the thickness of the material. A 1"-inch x 1"-inch x .0625"-inch thick magnetic steel square tubing rack must be fabricated on the top, front and rear sides of the fuel cell container. The square tubing must be a minimum of 5"-inches from the outside edge of the fuel cell on either side. The rack may be fastened to the bottom of the fuel cell can utilizing a piece of magnetic steel angle material that is a minimum of 1"-inch x 1"-inch with a minimum material thickness of .065"-inch magnetic angle steel that is on all four (4) sides of the container.

**Fuel Pump:** Mechanical only.

#### Pro Street Division

**Fuel Cell:** Mandatory 25 US gallon maximum capacity that meet or exceed FT3 specifications, securely mounted in trunk area between frame rails, a minimum of 4"-inches ahead of the rear bumper with a minimum two .125" thick steel straps. Cell must be enclosed completely in a container that is a minimum thickness of 20-gauge magnetic steel and/or .060"-inch aluminum. The entire container must be visible for ease of inspection. Fuel pick up must be positioned on the top or right side of the fuel cell and be constructed of steel. Vent must have a check valve. A firewall between driver and trunk area is mandatory, fabricated from 1/8" minimum, steel or aluminum, securely mounted, covering entire opening, with no holes larger than 1".

**Fuel line:** Any and all fuel line(s) routed thru driver compartment must be heavy duty braided type, or incased in heavy duty piping material with no seams, throughout driver compartment.

**Fuel Pump:** Mechanical only.

#### Thunder Stock Division

**OEM Fuel Tank:** OEM tank in original location, or may be relocated to trunk area.

**OEM Location:** Must be securely mounted

**Relocated To Trunk Area:** Fuel tank must be mounted in OEM position, must be securely mounted between frame rails/side edge of frame, a minimum of 4"-inches ahead of the rear bumper and minimum 24" behind driver seat. Mounted with a minimum two .125" thick steel straps, must be enclosed completely in a container that is a minimum thickness of 20-gauge magnetic steel and/or .060"-inch aluminum. The entire container must

be visible for ease of inspection. Any vent must have a check valve. A firewall between driver and trunk area is mandatory, fabricated from 1/8" minimum, steel or aluminum, securely mounted, covering entire opening, with no holes larger than 1".

**Fuel pump wiring** (tank in OEM or trunk location): Two wiring options. Option 1, OEM wired. Pump circuit must be interrupted when ignition switch is in off position. Option 2, wired thru separate switch dedicated to pump circuit only, so as when switch is in off position, fuel pump circuit is interrupted, this switch must be within easy reach of race ready driver, must be labeled "ELECTRIC FUEL PUMP" "on" "off" in the appropriate positions and be clearly visible and readable from outside driver door.

Mechanical style fuel pump must maintain OEM specs & location.

**Fuel Cell:** Optional, but if used it is mandatory to conform 100% to the following fuel cell rule section. Maximum 16 US gallon fuel cell that meet or exceed FT3 specifications. Fuel cell must be securely mounted in trunk area between frame rails/side edge of frame, a minimum of 4"-inches ahead of the rear bumper and minimum 24" behind driver seat. Mounted with a minimum two .125" thick steel straps, must be enclosed completely in a container that is a minimum thickness of 20-gauge magnetic steel and/or .060"-inch aluminum. The entire container must be visible for ease of inspection. Fuel pick up must be positioned on the top or right side of the fuel cell and be constructed of steel. Vent must have a check valve. A firewall between driver and trunk area is mandatory, fabricated from 1/8" minimum, steel or aluminum, securely mounted, covering entire opening, with no holes larger than 1".

**Fuel pump wiring:** External (add on) type electric fuel pump only, must be within OEM specs with two wiring options. Option 1, wired thru ignition switch. So as when switch is in off position (no ignition), fuel pump circuit is interrupted. Option 2, wired thru separate switch dedicated to pump circuit only, so as when switch is in off position, fuel pump circuit is interrupted, this switch must be within easy reach of race ready driver, must be labeled "ELECTRIC FUEL PUMP" "on" "off" in the appropriate positions and be clearly visible and readable from outside driver door.

OEM equipped mechanical style fuel pump must maintain OEM specs & location.

## **Enduro**

**OEM Fuel Tank:** OEM tank in original location, or may be relocated to trunk area.

**OEM Location:** Must be securely mounted

**Relocated To Trunk Area:** Fuel tank must be mounted in OEM position, must be securely mounted between frame rails/side edge of frame, a minimum of 4"-inches ahead of the rear bumper and minimum 24" behind driver seat. Mounted with a minimum two .125" thick steel straps, must be enclosed completely in a container that is a minimum thickness of 20-gauge magnetic steel and/or .060"-inch aluminum. The entire container must be visible for ease of inspection. Any vent must have a check valve. A firewall between driver and trunk area is mandatory, fabricated from 1/8" minimum, steel or aluminum, securely mounted, covering entire opening, with no holes larger than 1".

**Fuel line** (tank in OEM or trunk location): Any and all fuel line(s) routed thru driver compartment must be heavy duty braided type, or incased in heavy duty piping material with no seams, throughout driver compartment.

**Fuel pump wiring** (tank in OEM or trunk location): Two wiring options. Option 1, OEM wired. Pump circuit must be interrupted when ignition switch is in off position. Option 2, wired thru separate switch dedicated to pump circuit only, so as when switch is in off position, fuel pump circuit is interrupted, this switch must be within easy reach of race ready driver, must be labeled "ELECTRIC FUEL PUMP" "on" "off" in the appropriate positions and be clearly visible and readable from outside driver door.

Mechanical style fuel pump must maintain OEM specs & location.

**Fuel Cell:** Optional, but if used it is mandatory to conform 100% to the following fuel cell rule section. Maximum 16 US gallon fuel cell that meet or exceed FT3 specifications. Fuel cell must be securely mounted in trunk area between frame rails/side edge of frame, a minimum of 4"-inches ahead of the rear bumper and minimum 24" behind driver seat. Mounted with a minimum two .125" thick steel straps, must be enclosed

completely in a container that is a minimum thickness of 20-gauge magnetic steel and/or .060"-inch aluminum. The entire container must be visible for ease of inspection. Fuel pick up must be positioned on the top or right side of the fuel cell and be constructed of steel. Vent must have a check valve. A firewall between driver and trunk area is mandatory, fabricated from 1/8" minimum, steel or aluminum, securely mounted, covering entire opening, with no holes larger than 1".

**Fuel line:** Any and all fuel line(s) routed thru driver compartment must be heavy duty braided type, or incased in heavy duty piping material with no seams, throughout driver compartment.

**Fuel pump wiring:** External (add on) type electric fuel pump only, must be within OEM specs with two wiring options. Option 1, wired thru ignition switch. So as when switch is in off position (no ignition), fuel pump circuit is interrupted. Option 2, wired thru separate switch dedicated to pump circuit only, so as when switch is in off position, fuel pump circuit is interrupted, this switch must be within easy reach of race ready driver, must be labeled "ELECTRIC FUEL PUMP" "on" "off" in the appropriate positions and be clearly visible and readable from outside driver door.

OEM equipped mechanical style fuel pump must maintain OEM specs & location.