

COST EVENT ADDENDUM

CS - COST REPORT SPECIFIC ITEMS

CS.1 Frame

CS.1.1 Body panels

The only fasteners acceptable for body panels are quick disconnect (any type of fastener allowed by the rule B8.5); tabs welded to the frame are required for installation.

CS.1.2 Frame tooling

A Welding Fixture must be included for each node, brackets and tabs of the frame for the welding process.

CS.1.3 Safety

The belts are a safety element without cost; it's not required to be added. But the shoulder belts shall be protected from potential damage from aft of the RRH. The firewall modifications or additions to protect the shoulder belts must be included.

Fire extinguisher and fire extinguisher mount must be included.

CS.2 Steering

CS.2.1 Steering tooling

To secure proper alignment a welding fixture must be used for each node, brackets and tabs to the frame, used for this system.

CS.3 Engine and Drivetrain

CS.3.1 ENGINE

Must use Kohler Engine, cost includes: All components necessary to run including spark plugs, coils, wires, oil, oil filter, etc.

Engine first start procedure it's required to be included in the report.

CS.3.2 Gas tank

Must use Pyrotech Racing cell, cap, filter and fitting must be included separately.

CS.3.4 Gearbox

Bevel gear cannot be manufactured using laser cut/water jet cut. Spur gears can.

Drivetrain Breather / Vent System for gearboxes behind the firewall must be reported.

CS.3.4 Fuel line

Fuel filters must be included in the report.

Type and diameter of fuel line must meet BAJA SAE rules.

CS.4 Miscellaneous

CS.4.1 Paint

Paint must be used for steel elements to avoid corrosion. For other materials this doesn't apply.

Surface preparations for painting procedures are not required.

Process Aerosol Apply- cannot be used for paint application, use Liquid Applicator Gun instead.

CS.4.1 Seat

Seat cushion(s) must be included.

CS.5 Suspension

CS.5.1 Suspension tooling

Suspension arms required a welding fixture for each node, brackets and tabs.

To secure proper alignment a welding fixture must be used for each node, brackets and tabs to the frame used for this system.

CS.5.2 Suspension setup

Suspension Setup it's only applicable to suspension elements with adjustable features, mainly shocks.

CS.6 Electrical

CS.6.1 Wiring

The Wire segment measures 1 m per segment. For different dimensions a multiplier can be used.

CS.6.2 Instrumentation

Electrical and Electronic components are not costed, for this year.

CS.7 Brakes

CS.7.1 Brakes disc

Brake discs required Grind flat process.

CS.7.2 Brake line

Break line bleeding it's required for each independent line.

Hard brake lines must include bending and flaring processes.

CS.8 Wheels and tires

CS.8.1 Wheel bearings

Description for bearing indicates if they are suitable for wheel bearing use, any others are prohibited.

CS.9 EXCLUDED ITEMS

Items that do not need to be included in the Cost Report, if installed:

- Seat Belts
- Transponder

CS.10 FASTENERS

For each bolt and stud, three processes are required:

- Hand- Start only
- One of the following processes: Power tool, Ratchet, etc.

- Reaction tool

CS.11 Processes

CS.11.1 Machining

Every machined part requires at least a 'Machining Setup, Install and Remove' operation. This is the time it takes to pick up the work piece, fixture, make precise alignment or set references, and remove it when the machining is complete.

Metal sheet, tube and pipe bending doesn't require this step.

CS.11.2 Composite processes

For each composite element, three processes are required:

- Lamination
- Resin Application
- Cure

CS.12 Tooling & Fixturing

Please check process comments if tooling is required.

CS.12.1 Casting

Sand casting and Powder Metal Forming also required 2 dies reported minimum.

COST REPORT AUDIT

All teams will receive feedback on the cost report. Audit should be requested by the team after receiving feedback.