

Formula Schools IC - Instructions for Standard Kit Assembly

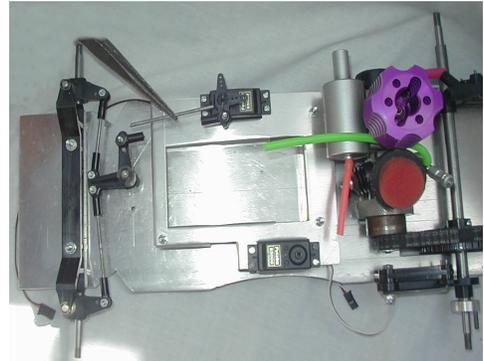
Chassis

This has been supplied as a plain aluminium plate that requires cutting and drilling. If you plan to use the standard set up drill to the drawing supplied; alternatively you can design in modifications at this stage, cutting out and drilling your chassis plate accordingly. Clearance for the flywheel and the rear axle pulley can either be milled out or drilled and filed, the shapes are not critical and scaling from the drawing gives standard positions.

Radio Tray

Make this up from the aluminium plate supplied. A guide is included but you may want to do a different layout to fit the fuel tank in. i.e. move the chassis holes by 15mm forward. Take care to make the servos and fuel tank holes the correct size and not "pinch" them.

The edges of these holes can be folded down to give extra strength rather than just cutting them to the exact size. A 20mm fold will add a lot of rigidity to the component.



Braking

There is no standard braking system included in the kit, the image shows a simple band brake system that can be engineered into your car. This is fitted to the clutch drum. Care must be taken to ensure the engine tick over is set to stop the engine stalling when the brake is applied.

Rear suspension

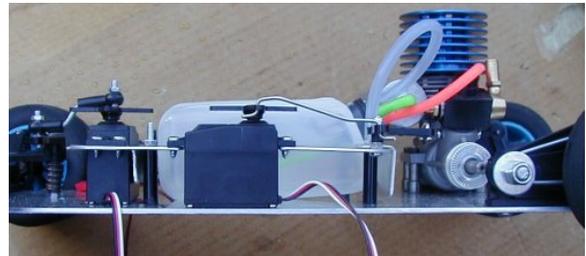
These are handed with the shoulder and springs facing out from the centre of the chassis.

Fuel tank

The fuel tank has 3 connectors. Two that point up and the fuel pickup pipe. Ensure the length is adjusted on the pickup pipe so that the weight rests in the bottom of the tank. One of the top two pipes must be used to pressurise the tank from the exhaust. The last pipe must be blocked off using a spare M3 machine screw and can be used to refuel the tank during stops.

Outline Construction Guide

1. Drill chassis to the drawing supplied
2. Build up the front and rear suspension, noting that both have handed components, see photographs on the Web Site
3. Assemble sub-assemblies onto chassis
4. Install Engine, fuel system and radio tray. (Ensure you remove the black retaining nut from the end of the crankshaft before assembly.)
5. Install servos
6. Install receiver and test operation
7. Run engine and set. Full details on Web site.



Screws, Bolts, Nuts and Washers

These are all in one bag together. Be sure to identify the fasteners required for each part on the drawing or by careful 'dry-run' assembly. The larger self tappers are for the rear suspension blocks. Extra "e" clips are included

Gearing

There are 4 different pulley sizes available from 38t to 35t. These need a drive flange machining up from aluminium to carry the new pulley. Please e-mail us for availability.