

Top Level

F1 Transform electrical energy to mechanical energy

C1a DC motor

C1b Explosives

C1c Jet Engine

Sub-Functions (C1a)

sF1 Transfer energy from motor to wheels

sC1a Direct drive

sC1b Gear box

sC1c Belt drive

sC1d Chain drive

sC1e Friction drive

sC1f Fan or propellor

Sub-Functions (C1b)

sF1 Move explosives behind center of mass

sC1a Chute of gunpowder with a servo

sC1b Gravity fed tube

sC1c Small fan

sF2 Set Off Explosives

sC2a Lighter

sC2b Primer with pins

sC2c Arcing electricity

Sub-Functions (C1c)

sF1 Hold Fuel

sC1a Internal gas tank

sC1b External gas tank

sF2 Move fuel to engine

sC2a Gravity

sC2b Injection

sC2c Difference in air pressure

sF3 Expel fuel

sC3a Fan or propellor

sC3b Air compressor

sF4 Light fuel

sC4a Pilot light

sC4b Arcing electricity