

Benjis Hardwired Logic...

...is a set of four tools to predefine staging actions in your rocket.

Fairings can automatically be jettisoned at a given altitude.

RCS and Decoupler can be activated at a set time after launch or prior to reaching Apogee.

- Engines can ignite at a set time after launch or prior to reaching Apogee. An engine can also be cut when a set Apogee is reached. An Apogee Kick Motor can either Burn-Out, Circularize or Cut-Off at a set Apogee.

On-Screen appearing messages for all events can be turned on / off (in VAB and Flight).

A picture says more than a thousand words.

Just check out these awesome flowcharts and the example on the last page.

Fairing Separator

Delay Mode

Altitude [km]
0 ... 200

Jettison
Payload
Interstage

Delayed RCS

Delay Mode

Post Launch

Pre Apogee

Delay [sec]
0 ... 59.9
Delay [min]
0 ... 30

Delayed Igniter

Delay Mode

Post Launch

Pre Apside

Cut @Apogee
Yes / No

Apogee [km]
70 ... 450.000

Delay [sec]
0 ... 59.9
Delay [min]
0 ... 30

Engine

1st Stage
2nd Stage
3rd Stage
4th Stage
Booster
Separation-Motor
Spin-Motor
Ullage-Motor

Apogee Kick Stage

Kick Stage Mode

Burn-Out
Circularize

Cut-Off

Apaside [km]
70 ... 450.000

Delayed Decoupler

Delay Mode

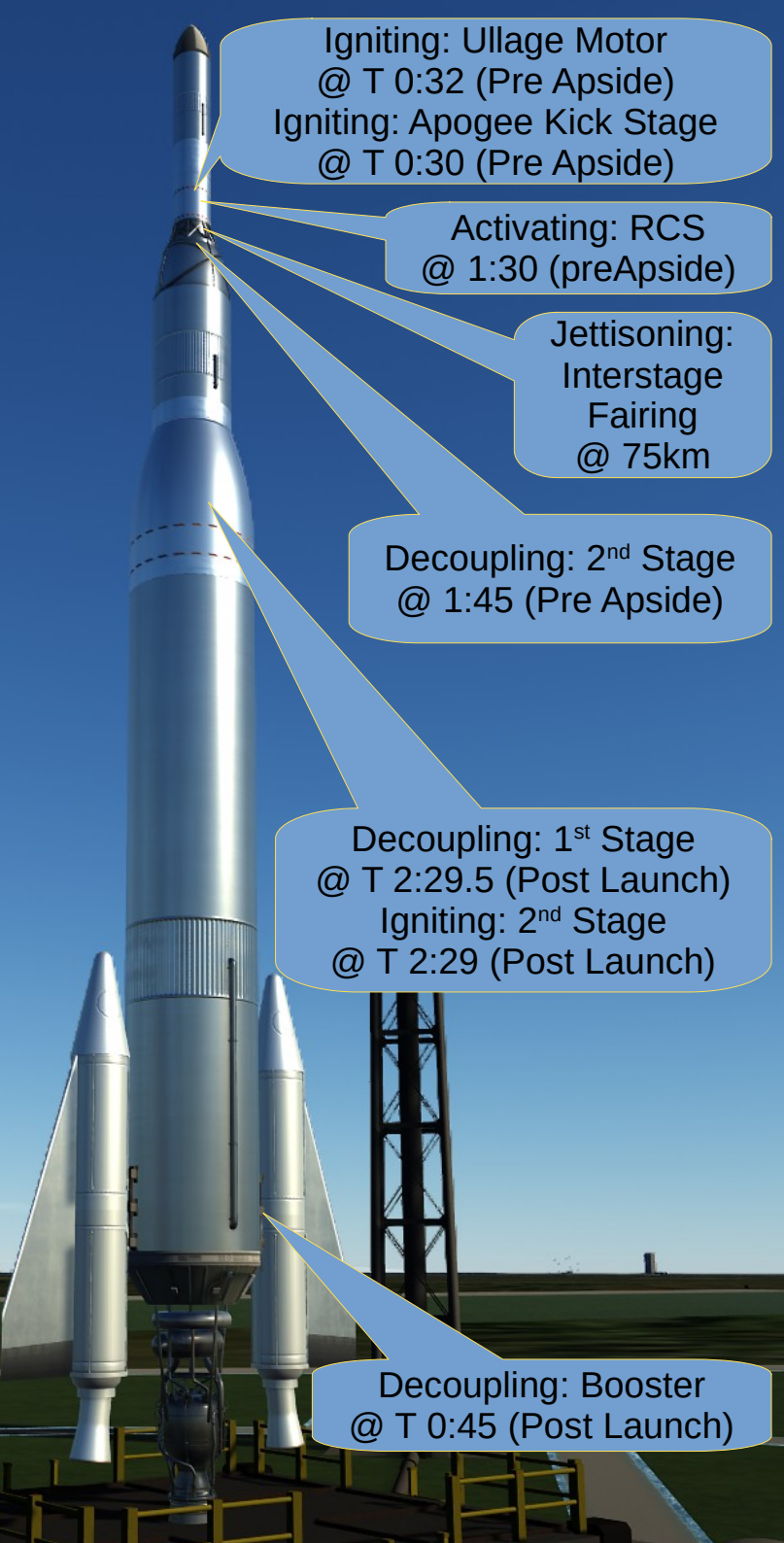
Post Launch

Pre Apside

Delay [sec]
0 ... 59.9
Delay [min]
0 ... 30

Decouple

1st Stage
2nd Stage
3rd Stage
4th Stage
Booster
Spin-Motor
Ullage-Motor
Apogee Kick Stage
Payload



4) (2nd Stage Burn)



3) Decoupling: 1st Stage Igniting: 2nd Stage



2) (1st Stage Burn) Jettisoning: Interstage Fairing



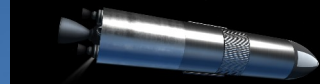
1) Decoupling: Booster



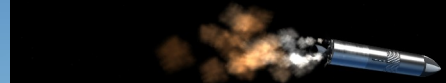
5) Decoupling: 2nd Stage (Coasting)



6) Activating: RCS



7) Igniting: Ullage-Motor



8) Igniting: Apogee Kick Stage

