

# Hydrogen-powered Scramjet

In essence, the Hydrogen-powered Scramjet is a jet engine that runs on hydrogen propellant. While it works a lot like a standard jet engine to start off, it becomes more fuel efficient once it enters supersonic speeds. Using the speed of the wind, a wind inlet funnels and compresses the wind into the engine. This also gives aircraft equipped with it a higher velocity than standard engines and ramjets.

## Scramjet Variation

| Vehicle Type              | Top Aerial Velocities |
|---------------------------|-----------------------|
| Civilian                  | 1 Mach                |
| Strike Craft (Fighters)   | 3 Mach                |
| Strike Craft (Transports) | 2 Mach                |
| Escorts                   | 2 Mach                |
| Carriers                  | 1 Mach                |

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