



Grassroots Open-Wheel Racing

Formula 4

Intended as the first step out of karting for young racers, Honda Performance Development is the official engine supplier for the United States Formula 4 Championship, which debuted with a five weekend, 15-race championship in 2016 and features an expanded 18-race schedule in 2017.

The series utilizes the new, American-built Crawford carbon-composite chassis and Honda K20C1 2.0-liter engine, producing the FIA-mandated 158 bhp for the category. Pirelli PZero racing radial tires complete the package, which will meet the FIA price cap of USD\$45,000 for the chassis, including paddle shifters, data acquisition and camera. The Honda engine will carry a one-year lease price of US\$6,600. Tires will be priced at approximately USD\$250 apiece, with a maximum allotment of six tires (three front, three rear) per race weekend.

The F4 United States Championship joins FIA Formula 4 championships already established in Australia, China, Germany, Italy, Japan, Northern Europe and the United Kingdom; with other new championships soon to be launched in Mexico, Southeast Asia and Spain.

Formula F

Recognizing the need for a modern engine in Formula F, HPD introduced a race-ready version of the Honda Fit engine in time for the start of the 2010 season.

The engine has proven to be equal in power to the traditional “Kent” powerplant, and far superior in reliability and longevity. It has helped revive Formula F club racing, and 2011 saw further growth with the introduction of a pair of professional Formula F racing series – one based in the eastern United States and the other on the West Coast – that further boosted the category.

A Honda-powered Formula F driven by Tim Kautz of Geneva, IL captured the 2012 national championship at the annual SCCA Runoffs at Elkhart Lake, WI, marking the first victory of a Honda-powered Formula F at the annual SCCA championship event. Kautz repeated his championship performance at the 50th Anniversary Runoffs in 2013.

Starting in 2012, the Honda Fit engine was also approved for competition in Canada’s two professional Formula F racing series.

Formula Atlantic

Following a successful introduction of the Honda Fit-based Formula F engine in 2010, Honda Performance Development (HPD) continues to expand its grassroots motorsports offerings via the next rung on the performance ladder: the new 175-250 bhp K20 engine, adaptable to a wide variety of grassroots motorsports applications, from autocross and rallying to open-wheel SCCA Formula Atlantic competition.

Developed from the 2.0-liter engine used in several Honda passenger-car models, a prototype of the HPD K20 race engine was first displayed in December 2010, at the Performance Racing Industry Show (PRI) in Formula Atlantic guise. In this form, the K20 engine will produce approximately 240 bhp and is available through the *Honda Racing Line* for around USD\$23,000, which includes an ECU and harness.

In addition to Formula Atlantic, the K20 engine may be used in several other racing categories, including GT, ST and Sports Racing classes. Other potential competition uses for the engine include autocross, drifting, Rallycross and rallying.