

# 2020 Honda Indy Turbo V-6 Engine

## HI20TT SERIES:

- Honda's engine for the 2029 NTT IndyCar Series, the ninth year of the turbocharged V6 era, is designated the HI20TT [Honda IndyCar 2020 Twin Turbo]. Honda and Chevrolet again will compete for the IndyCar Manufacturers' Championship.
- Honda's HI20TT is a 2.2-liter, six-cylinder, twin-turbocharged engine. Cylinder bore is restricted to a maximum of 95mm, while stroke is free. Maximum engine revolutions per minute are a series-mandated 12,000 rpm.
- Features of the engine include direct fuel injection, two Borg-Warner turbochargers, "Drive-by-Wire" throttle technology and a series-spec McLaren Electronics Engine Control Unit (ECU).

## Specifications

- **Engine Type** Twin turbocharged, fuel-injected, aluminum alloy V6
- **Displacement** 2.2 liters (134.25 cubic inches)
- **Valve Train** Dual overhead camshaft, four valves per cylinder
- **Crankshaft** Alloy steel, four main bearing caps
- **Pistons** Forged aluminum alloy
- **Connecting Rods** Machined alloy steel
- **Ignition System** Inductive
- **Injection System** Electronic combined direct and indirect fuel injection
- **Lubrication** Dry sump system, featuring multi-stage scavenge pumps
- **Cooling** Single mechanical water pump feeding a single-sided cooling system
- **Transmission** Six-speed sequential, paddle-operated, with a hand-operated clutch
- **Fuel** IndyCar Series-mandated E85 race fuel
- **Weight** Approximately 250 lbs. (112.5 kg.), series-mandated minimum weight