



2021

Product Catalog



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# INTRODUCTION

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“We only have one future, and it will be made of our dreams, if we have the courage to challenge convention.”

—SOICHIRO HONDA

## WHO WE ARE

Honda Performance Development (HPD) is the North American racing division of American Honda. It's our challenging spirit which has propelled us to be among the best in racing.

Our goal is to give racers competitive parts, engines, and cars to compete in every aspect of racing.

## WHERE WE ARE LOCATED

25145 ANZA DRIVE  
SANTA CLARITA, CA 91355  
(661) 294-7300

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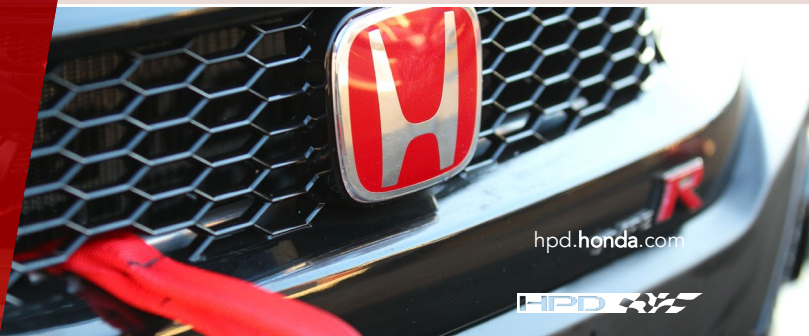




# HPD CELEBRATION WITH DRIVERS

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Since 2009, the Honda Racing Line program has helped power racing dreams for Honda and Acura drivers.

If you're looking to accelerate your racing career, there's never been a better time to join. Honda Racing Line is now more inclusive and gives all racers and customers access to special HPD offers.

## MEMBERSHIP IN HONDA RACING LINE OFFERS

- full selection of race engines
- turnkey race cars for purchase
- expert technical support and document sharing
- access to HPD and Honda parts and services for race cars

[Become a Member](#)



# GASOLINE ALLEY



# ENGINES

# Karting

GXH50  
Karting Kits



## GXH50

\$589.26

<b>Engine</b>	Production-based 4-cycle single cylinder
<b>Displacement</b>	49cc (30 CID)
<b>Valvetrain</b>	Single camshaft, pushrod 2 valves/cylinder
<b>Crankshaft</b>	Steel alloy, 2 main bearings
<b>Pistons</b>	Forged aluminum alloy
<b>Connecting Rods</b>	Forged steel alloy
<b>Engine Mgmt</b>	Carbureted
<b>Ignition</b>	Transistorized magneto
<b>Lubrication</b>	Splash
<b>Cooling</b>	Air-Cooled
<b>Fuel</b>	91 Octane unleaded
<b>Weight</b>	12 lbs. (5.5kg)

### Additional Kits Available

Kid Kart Complete Kit- 16T

Kid Kart Complete Kit- 15T

Engine Kit

Clutch Kit-16T

Clutch Kit-15T

Engine Mount Kit

Chain Guard Kit

[HPD Parts & Engines Store](#)

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# Quarter Midgets

GX120  
GX160



## GX120UT2 HX2

\$408.00

<b>Engine</b>	Production 4-cycle single cylinder
<b>Displacement</b>	118cc (7.2 CID)
<b>Valvetrain</b>	Single camshaft, pushrod 2 valves/cylinder
<b>Crankshaft</b>	Steel alloy, 2 main bearings
<b>Pistons</b>	Forged aluminum alloy
<b>Connecting Rods</b>	Forged steel alloy
<b>Engine Mgmt</b>	Carbureted
<b>Ignition</b>	Transistorized magneto
<b>Lubrication</b>	Splash
<b>Cooling</b>	Air-cooled
<b>Fuel</b>	91 octane unleaded
<b>Weight</b>	29 lbs. (13.2 kg)

## GX160UT2 HX2

\$438.00

<b>Engine</b>	Production 4-cycle single cylinder
<b>Displacement</b>	163cc (9.9 CID)
<b>Valvetrain</b>	Single camshaft, pushrod 2 valves/cylinder
<b>Crankshaft</b>	Steel alloy, 2 main bearings
<b>Pistons</b>	Forged aluminum alloy
<b>Connecting Rods</b>	Forged steel alloy
<b>Engine Mgmt</b>	Carbureted
<b>Ignition</b>	Transistorized magneto
<b>Lubrication</b>	Splash
<b>Cooling</b>	Air-cooled
<b>Fuel</b>	91 octane unleaded
<b>Weight</b>	33 lbs. (15.0 kg)

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# Crate Engine Package

## K20C1 ENGINE KIT PACKAGES

Honda Performance Development offers the venerable K20C1 engine from the Honda Civic Type-R as a turnkey package for installation into **any off-highway vehicle**.

Controlled by an HPD developed ECU, the engine delivers a potent 306hp/295ft-lb via the latest technology in direct-injection, turbocharging, and variable valve timing.

## K20C1

Controls Package & Crate Engine  
\$9,000.00

Crate Engine  
\$6,790.00

\*pricing subject to change

Engine Type	Inline 4 Cylinder
Displacement	2.0 Liter
Valve Train	16 Valve DOHC VTEC
Horsepower	306 hp @ 6500 rpm
Torque	295 ft-lbs. @ 2500 rpm
Induction	Turbocharged
Fuel Management	Electronic Direct Fuel Injection
Ignition	Coil on Plug
Bore and Stroke	86.0 x 85.9 mm
Compression Ratio	9.8 : 1
Oiling System	Wet Sump
Security Sealed	No



## SUPPORTS

Civic Type R &  
Civic TCR Race Car  
F4 & FRA Series  
& More

Crate Engine Dealers  
United Speed Racing  
Science of Speed  
MountuneUSA  
4Piston Racing

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# LC1 ECU

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The LC1 ECU Application for FF race cars is a replacement for the original FF E1 ECU.

This replacement will provide more reliability, improved diagnostics and troubleshooting capabilities.

## Options & Pricing

LC1 ECU

\$948.00

Adapter Harness

\$537.50

LAF Sensor

\$176.00



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# FIA SANCTIONED OPEN WHEEL SERIES

FORMULA REGIONAL AMERICAS  
U.S. F4 CHAMPIONSHIP



# F4/ FRA Series Engine Manufacturer

## Formula 4 United States Championship

FIA Formula 4 was created to offer young race car drivers around the world the opportunity to take the first step from karting into the world of open-wheel racing. HPD will award the champion a chance to compete in the FRA Americas Championship.



## Formula Regional Americas Championships

FR Americas is the fastest way for an aspiring driver to experience an international racing platform at an affordable price. HPD will award the scholarship to help compete in the 2022 Super Formula series.



## F4 Engine

Engine Type	Inline 4 Cylinder
Displacement	2.0 Liter
Valve Train	16 Valve DOHC VTEC
Horsepower	Per FIA Rules
Torque	Per FIA Rules
Induction	Normally Aspirated
Fuel Management	Electronic Direct Fuel Injection
Ignition	Coil on Plug
Bore and Stroke	86.0 x 85.9 mm
Compression Ratio	9.8 : 1
Oiling System	Dry Sump
Security Sealed	Yes

**K20C1 Engine same  
as Civic Type R**  
[Buy this car now](#)

## FRA Engine

Engine Type	Inline 4 Cylinder
Displacement	2.0 Liter
Valve Train	16 Valve DOHC VTEC
Horsepower	Per FIA Rules
Torque	Per FIA Rules
Induction	Turbocharged
Fuel Management	Electronic Direct Fuel Injection
Ignition	Coil on Plug
Bore and Stroke	86.0 x 85.9 mm
Compression Ratio	9.8 : 1
Oiling System	Dry Sump
Security Sealed	Yes

To get more information on this series please use the links below:

[F4 Buyer's Guide](#)

[FRA Buyer's Guide](#)

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# F4 DRIVER GIVING KIDS INTRODUCTION TO RACING

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# RACE CARS

TURNKEY PRODUCTION-BASED  
RACE CARS FOR SALE

# CIVIC SI TCA RACECAR

\$55,000

## Eligible Racing Series

SRO Touring Car Americas TCA Class

SCCA T3 Class & STU

NASA ST5 & E2

<b>Engine</b>	1.5 liter inline 4 cylinder (production based)
<b>Engine Management</b>	Production-based ECU HPD or customer-tuned (series dependent)
<b>Cooling</b>	HPD CSF radiator-OE Honda intercooler
<b>Fuel</b>	Direct injected 91+ octane unleaded (series dependent)
<b>Exhaust</b>	HPD/ Borla downpipe and turbo back exhaust
<b>Performance</b>	170-220+ HP (series dependent)
<b>Transmission &amp; Differential</b>	OEM 6-speed manual transmission, HPD high strength 4 <sup>th</sup> gear, HPD/Cusco Limited Slip Differential, HPD single mass flywheel
<b>Suspension</b>	Front MacPherson strut-multi-link rear, HPD /Bilstein inverted double adjustable dampers, Eibach race springs, HPD front camber and caster plates, HPD/ SPC rear camber adjustment, HPD/SPC rear camber adjustment, Upgraded HPD/RV6 rear lower arms for race spring rates and positive toe adjustment, Enkei RPF1 cast aluminum wheels, 17 x 8 inches
<b>Steering</b>	Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/ telescopic column
<b>Brakes</b>	HPD Wilwood Superlite front brakes with 6-piston calipers, Wilwood 2-pc slotted rotors, 327 x 28 mm, OEM rear brakes with single-piston calipers, HPD Goodridge front and rear braided brake lines, HPD ABS modulator, Carbon fiber brake cooling inlet ducts.
<b>Body</b>	Stock Honda Civic Si Coupe, High-flow front grille, HPD brake cooling inlet ducts, Adjustable electric side mirrors.
<b>Structure</b>	Welded multipoint roll cage, OMP racing seat, OMP XL seat (optional), OMP 6-pt harness, OMP window and center nets, OMP on board fore control system, HPD/ Hasport polyurethane, engine mounts.
<b>Electronics</b>	AIM MXP 1.2 data logger, Motec C125 data logger (optional)
<b>Fuel</b>	12.4 Gallon-Capacity



[More Info](#)

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**HPD**

# CIVIC TYPE R TC RACECAR

\$89,900

## Eligible Racing Series

SRO Touring Car Americas TC Class

SCCA T2 Class

NASA ST3 & E0



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<b>Engine</b>	2.0-liter inline-4 (production-based)
<b>Engine Management</b>	Production-based ECU, HPD or customer-tuned (series dependent)
<b>Cooling</b>	HPD CSF radiator and auxiliary oil coolers, HPD Cooling Ducts, OE Honda intercooler
<b>Fuel</b>	Direct injected 91+ octane unleaded (series dependent)
<b>Exhaust</b>	HPD/ Borla downpipe and turbo back exhaust
<b>Performance</b>	270-330+hp (series dependent)
<b>Transmission &amp; Differential</b>	OEM 6-speed manual transmission, HPD high strength 3rd and 4th gears, HPD/Cusco Limited Slip Differential
<b>Suspension</b>	Front dual axis MacPherson strut, multi-link rear, HPD/Bilstein inverted double adjustable dampers, Eibach race springs, HPD front camber and caster plates, HPD/SPC rear camber adjustment, HPD/RV6 rear adjustable stabilizer bar, Spherical suspension bushings and damper mounts, Upgraded HPD/RV6 rear lower arms for race spring rates and positive toe adjustment, Forgestar F14 rotary formed aluminum wheels, 18 x 9.5 in.
<b>Steering</b>	Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/ telescopic column
<b>Brakes</b>	Brembo 4-piston calipers, HPD Girodisc 2-pc front rotors 350mm x 32mm, OEM rear calipers and rotors, HPD Goodridge front and rear braided brake lines, HPD ABS modulator, Variety of Sprint/Endurance brake compounds available, HPD brake cooling inlet ducts
<b>Body</b>	High-flow front grille, HPD oil cooler, brake, and radiator inlet ducts, J's Racing FRP vented hood, HPD APR adjustable rear wing, Adjustable electric side mirrors.
<b>Structure</b>	Welded multipoint roll cage, OMP racing seat, OMP XL seat (optional), OMP 6-pt harness, OMP window and center nets, OMP on board fore control system, HPD/ Hasport polyurethane, engine mounts.
<b>Electronics</b>	AIM MXP 1.2 data logger, Motec C125 data logger (optional), 4-wheel suspension position sensors (optional)
<b>Fuel</b>	HPD Pyrotec Bolt-in FIA fuel cell, 16-gallon capacity, High flow filler neck and cap in OE location



# CIVIC TYPE R TCR RACECAR

\$154,000

## Eligible Racing Series

IMSA MICHELIN PILOT CHALLENGE-TCR  
WORLD TCR

**Engine** 2.0-liter inline-4 (production-based), Calibrated and sealed by JAS Motorsport

**Engine Management** Motec M142 ECU with custom wiring harness, Mapped for 100 octane fuel

**Cooling** High performance radiator, oil cooler and intercooler, Ducting for engine, radiator, and intercooler

**Fuel** Direct injected, 100 octane unleaded race fuel

**Exhaust** Competition stainless exhaust with racing-grade catalytic converter

**Performance** Approximately 340 hp

**Transmission & Differential** Xtrac 6-speed sequential gearbox, Hydraulic paddle shifters, Limited slip differential w/ exterior adjustable preload, Gearbox oil cooler, JAS twin-disc racing clutch, Bespoke 6kg flywheel

**Suspension** Front Ohlins TTX NK56 dampers, Rear Ohlins 2 way S46 dampers, Rear anti-roll bar with 3 holes for adjustment, 3 front and 2 rear sway bars with different stiffness (optional), 3 sets of springs with different stiffness (optional), JAS OZ Racing cast aluminum wheels, 18 x 10 in.

**Steering** Electric power steering with heavy-duty arms, Heavy-duty ball joints on front lower wishbone, Multifunction quick disconnect wheel

**Brakes** JAS AP Racing front brake calipers with 380mm x 35mm DS4 discs, JAS Motorsport rear brake calipers with 260mm x 9mm discs, Endurance Option, 380x35mm with 64mm brake pad surface, Brake cooling ducts from bumper to upright, Bosch racing ABS, Switch-on central console with 12 working levels

**Body** Front/rear composite wheel arches, Front/rear composite bumper, Adjustable front splitter, Hood scoop, Composite side skirts, JAS rear wing under TCR regulations, Airjack system

**Structure** Seam-welded body panels, TIG-welded roll cage, homologated by MSA-UK, Cross bracing and gusseting for maximum stiffness, OMP 6-pt harness, OMP seat, Cool suit system (optional), Heated Lexan screen (optional), Endurance Option-Adjustable electrical side mirrors on center console, UV cockpit lights, Drink system, Lighted door number

**Electronics** Motec PDM30 power distribution (factory sealed), Motec C127 data logger

**Fuel** FT3 100-liter tank, Racing collector tank, Aero-quality hoses and fittings, 3 lift pumps and filters, Stabuli D12 refueling, Endurance Option-Filler neck on right C-pillar built to VLN standards, Quick refueling standard 1 left and 1 right



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# NSX GT3 EVO RACE CAR

€465,000

## Eligible Racing Series

SRO GT Americas-GT class  
IMSA Weathertech-GTD class

## International Racing Series

GT WC Europe (Endurance)  
GT WC Asia  
China GT  
Intercontinental GT  
Super GT (Japan)  
Super Taikyu (Japan Endurance)

Type: Longitudinal/mid-mounted twin-turbocharged DOHC 75 V6  
Bore x stroke: 91 x 90mm  
Capacity: 3501cc  
Power/torque: Per FIA/ Series Regulation (BOP)  
Construction: Light alloy block and head  
Pistons: Cast aluminum

**Engine**  
Valvetrain: 24 valve, IN/EX VTC, chain driven camshaft  
Fuel Injection: Direct and port injection  
Lubrication: Dry sump system  
Throttle control: Drive-by-Wire throttle system  
Wastegate control: Electrical  
Turbocharger: 2 off- Mono scroll  
Exhaust: Twin pipe with CAT converter

**Dimensions**  
Wheel base: 2630mm, Overall length: 4612mm, Overall width: 2040mm, Front track: 1715mm, Rear track: 1687mm, Weight: 1240 Kg (prior to BOP adjustments)

**Chassis**  
Aluminum alloy extruded profiles/cast nodes; steel roof structure, TIG welded roll cage in 25CrMo-bolted to chassis

**Transmission**  
Gearbox: XTRAC semi-automatic 6-speed sequential  
Clutch: ZF/SACHS high performance sintered or carbon clutch (endurance option)  
Clutch Operation: Electrically assisted  
Driveline: PANKL double tripod system

**Brakes**  
BREMBO disks 390x34 front/ 355x32 Rear  
ABS (VF): BOSCH M5

**Suspension**  
Front: Double wishbone  
Rear: Multilink  
Shock absorbers: SACHS 5-way adjustable dampers  
Sway bar: FR/RR with adjustable blade

**Wheels**  
Front: 12"x 18" forged aluminum  
Rear: 13"x 18" forged aluminum

# GT3 Academy

The HPD Drivers Academy is a four-part race experience for drivers who are looking to gain the skills needed to be ready to race at an elite level in North America or in a global series. As the preeminent OEM racing organization in North America, one of HPD's core principles is to support drivers in achieving their racing dreams.

The HPD Driver Academy embodies this by providing extensive track time in the Acura NSX GT3 EVO, and access to experienced professional GT3 EVO drivers, HPD engineering and trackside support staff, and SRO and IMSA Championship engineers and team owners.

The program includes on-track racecraft coaching sessions at some of the top racetracks in the U.S., off-track instruction relating to effective communication with team personnel and engineers, and additional driver marketing insights and sponsor searches.

For further information on this program and how to apply for future academy spots please click the link below.

[More Info](#)



Takuma Sato

2017 & 2020  
Indianapolis 500  
Champion



# HPD MERCHANDISE

Dane Cameron  
HPD GT3 Academy  
Instructor

2019 IMSA Champion



# HPD Merchandise Collection

Honda Racing  
Acura Motorsports



Even when you're not on track, you can show off your Honda Racing and Acura Motorsports style with our HPD Merchandise.

All items are designed to bring comfort and style to the track or wherever your racing adventures take you. From hats to jackets, mugs to backpacks, and everything in between, you will find the perfect accessory to cheer on your favorite Honda and Acura drivers.

[HPD Merchandise Store](#)

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HPD 

# PINNACLE SPORTS

INDYCAR  
ACURA MOTORSPORTS  
BAJA RIDGELINE

# INDYCAR Racing

HPD was founded in 1993 to spearhead Honda's entry into INDYCAR racing. No other manufacturer has matched Honda's success in INDYCAR, which includes over 213 race victories, 9 Manufacturers' Championships, and 13 Indianapolis 500 victories.

INDYCAR racing has been part of HPD's history from the start. From developing state-of-the-art engine technology, to providing technical support to teams at the track.

## ACHIEVEMENTS

### Honda Racing

13 Indy 500 Champions

6 INDYCAR Drivers' Championships

INDYCAR / CART Manufacturers' Championships

1996, 1998, 1999, 2001, 2004, 2005, 2018, 2019, 2020



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# INDYCAR





The spirit of Acura vehicles is first born on the track, where Precision Crafted Performance is constantly improved through racing.

Acura's ARX-05 and NSX GT3 Evo compete in IMSA's WeatherTech Championship Series. The ARX-05 race car is powered by the race-proven AR35TT twin-turbocharged V6 which is derived from the Acura MDX engine. The NSX GT3 Evo uses a 3.5 liter, twin-turbo V6 engine which is the same as in the NSX production vehicle.

[Shop for your Acura here](#)



2021 DAYTONA  
ROLEX 24 WINNER

Acura  
Motorsports

## ACHIEVEMENTS

### IMSA Camel Lights Series

1991, 1992, and 1993 Manufacturers', Drivers' Champion

### American LeMans Series

2009 LMP1 Engine, Team, Drivers' Champion  
2009 LMP2 Engine, Team Drivers' Champion

### IMSA WeatherTech Sportscar Championship Series DPi Class

2019 Manufacturers', Drivers', Team Champion  
2020 Manufacturers', Drivers', Team Champion

### IMSA WeatherTech Sportscar Championship Series GTD Class

2019 Drivers', Team Champion  
2020 Manufacturers' Drivers' Team Champion

### SRO World Challenge

GT3 Pro Am Class  
2019 Drivers', Team Champion  
2020 Manufacturers', Team Champion



David Salters

PRESIDENT, HONDA PERFORMANCE DEVELOPMENT

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# Baja Ridgeline

## ACHIEVEMENTS

- 2015 Baja 1000 Class Winner
- 2016 Baja 500 Class Winner
- 2016 Baja 1000 Class Winner
- 2018 Baja 500 Class Winner
- 2018 Parker 425 Class Winner
- 2018 Vegas to Reno Class Winner
- 2019 Parker 425 Class Winner
- 2019 Mint 400 Class Winner
- 2019 Baja 500 Class Winner
- 2020 Baja 500 Class Winner



HONDA RIDGELINE WITH HPD PACKAGE

BAJA RIDGELINE RACE TRUCK



hpd.honda.com



## Baja Ridgeline Race Truck

Marking its return to 4-wheel off-road desert racing the custom built unlimited off-road race vehicle is backed by HPD.

Powered by a twin-turbocharged V6 engine, the Ridgeline Baja Race Truck features a body designed by Honda R&D Americas' Los Angeles Design Studio, with inspiration taken from the current Honda Ridgeline, also designed and developed by Honda R&D North Americas.

Making approximately 550 horsepower, HPD's 3.5-liter HR35TT engine uses the same block and cylinder heads as the production Ridgeline V6.

[Buy the Ridgeline here](#)



## RACING LEGEND MARIO ANDRETTI SURPRISES QUARTER MIDGET RACERS AT EVENT

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# CONTACT US

For further information on all our products and race cars, please contact us through the information below. We look forward to having you as part of our HPD Family.



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“If Honda does not race, there is no Honda.”

—SOICHIRO HONDA

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