



2023

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hpd.honda.com



INTRODUCTION

“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.

Our challenging spirit ignites our best thinking and powers the imaginative ideas we bring to life.

WHERE WE ARE LOCATED

25145 ANZA DRIVE
SANTA CLARITA, CA 91355
(661) 702-7777

hpd.honda.com



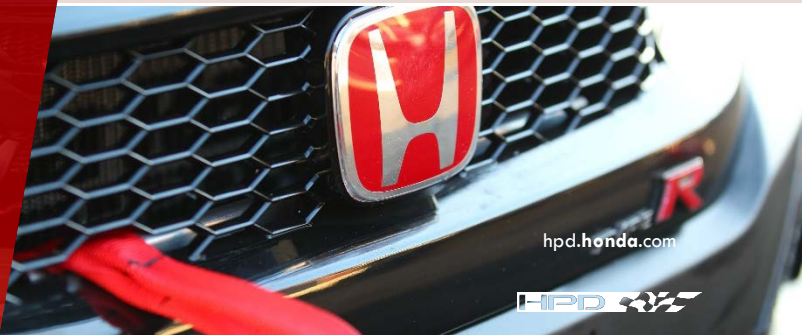


HPD CELEBRATIONS

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Honda Racing Line



hpd.honda.com



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

\$656.54

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

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[HPD Parts & Engines Store](#)

Quarter Midgets

GX120
GX160



GX120UT3 HX2

\$450.00

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

GX160UT2 HX2

\$475.00

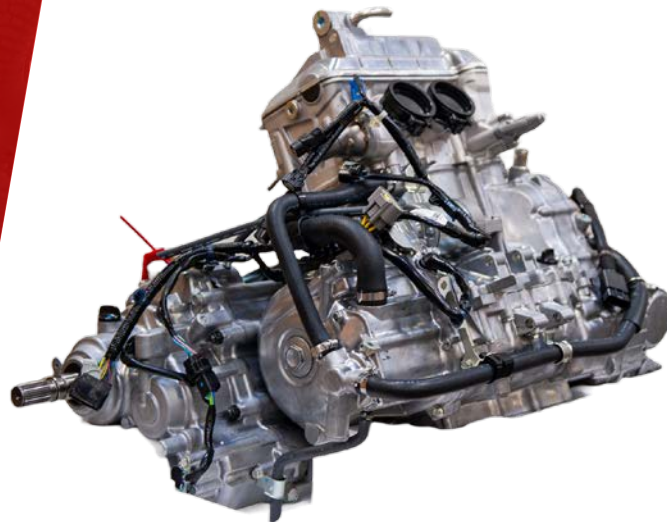
Engine	Production 4-cycle single cylinder
Displacement	163cc (9.9 CID)
Valvetrain	Single camshaft, pushrod 2 valves/cylinder
Crankshaft	Steel alloy, 2 main bearings
Pistons	Forged aluminum alloy
Connecting Rods	Forged steel alloy
Engine Mgmt	Carbureted
Ignition	Transistorized magneto
Lubrication	Splash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

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[HPD Parts & Engines Store](#)

Talon Crate Engine



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Talon Crate Engine

\$8,499.00

*Engines are available for competition use only and have no warranty

Engine Type	999cc liquid-cooled Unicam® OHC longitudinally mounted parallel-twin four-stroke
Valve Train	OHC, 4 valves per cylinder
Bore x Stroke	92.0 mm x 75.1 mm
Compression Ratio	10.1:1
Induction	Fuel injection
Ignition	Full Transistorized
Starter	Electric
Transmission	Automatic DCT w/ 6 speeds + Reverse & high/low sub-transmission
Clutch	(2) multiplate wet (DCT)

Honda Performance Development offers the Talon Crate Engine for off-road Talon racers.

The same engine that propelled the Honda off-road Factory Racing team to victory at the 2022 King of Hammers (UTV Stock NA Class) is now available to the public. Any racer who dreams of victory can now experience that same power with this new Talon Crate engine.

Crate Engine Dealers

Raceco-USA <https://www.raceco-usa.com/>

JSport SXS <https://www.jsportsxs.com/>

HPD Parts & Engines Store

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 www.unitedspeedracing.com

Science of Speed www.scienceofspeed.com

MountuneUSA www.mountuneusa.com

4Piston Racing www.4pistonracing.com

hpd.honda.com



LC1 ECU

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

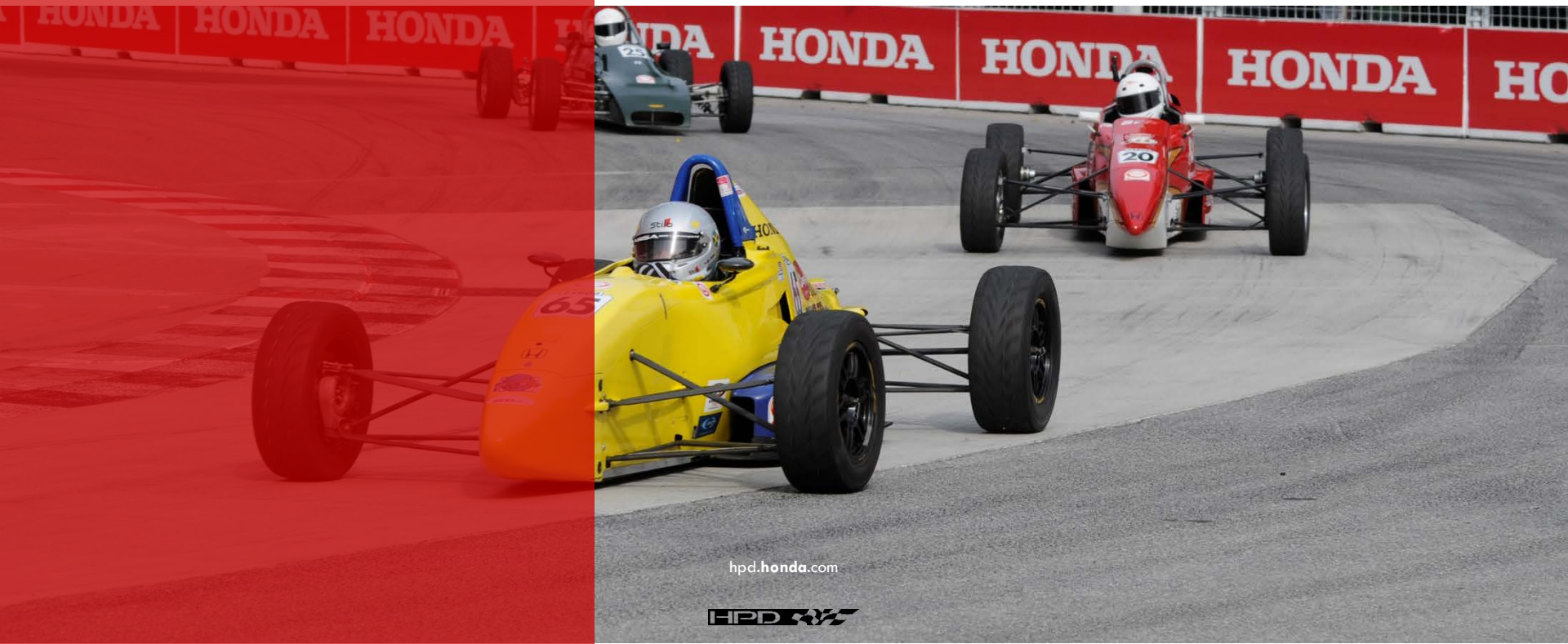
\$948.00

Adapter Harness

\$594.00

LAF Sensor

\$275.00





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.



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

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 2023 and 2024 Super Formula series.



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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HPD 



RACE CARS

TURNKEY PRODUCTION-BASED RACE
CARS FOR SALE

CIVIC SI FE1 RACECAR

PRICE: \$55,000

Eligible Racing Series

SRO Touring Car Americas TCA Class

SRO
MOTORSPORTS GROUP

2018 & 2020 SRO TC
AMERICA TCA CLASS DRIVER
CHAMPIONSHIPS

2022 SRO TC AMERICA TCA
CLASS MANUFACTURERS'
CHAMPIONSHIP

Engine	1.5 liter inline 4 cylinder (production based)
Engine Management	Production-based ECU HPD or customer-tuned (series dependent)
Cooling	OE Honda radiator and intercooler
Fuel	Direct injected 91+ octane unleaded (series dependent)
Exhaust	HPD/ Borla downpipe and turbo back exhaust
Performance	200+ HP
Transmission & Differential	OEM 6-speed manual transmission, HPD high strength 4th gear, HPD/Cusco Limited Slip Differential
Suspension	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
Steering	Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/ telescopic column
Brakes	HPD Wilwood Superlite front brakes with 6-piston calipers, Wilwood 2-pc slotted floating rotors, 327 x 28 mm, OEM rear brakes with single-piston calipers, HPD Goodridge front and rear braided brake lines, HPD ABS modulator, Front brake cooling inlet ducts.
Body	Stock Honda Civic Si, HPD brake cooling inlet ducts, Adjustable electric side mirrors.
Structure	Welded multipoint roll cage, OMP racing seat, OMP 6-pt harness, OMP window and center nets, OMP on board fire control system, HPD/ Hasport polyurethane engine mounts.
Electronics	Motec C127 data logger display
Fuel	12.4 Gallon-Capacity



[More Info](#)

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2021 & 2022 SRO TC AMERICA
TC CLASS MANUFACTURERS',
DRIVERS', TEAM CHAMPION



CIVIC TYPE R TC RACECAR

\$89,900

Eligible Racing Series

SRO Touring Car Americas TC Class
SCCA T2 Class
NASA ST3 & E0

Engine	2.0-liter inline-4 (production-based)
Engine Management	Production-based ECU, HPD or customer-tuned (series dependent)
Cooling	HPD CSF radiator and auxiliary oil coolers, HPD Cooling Ducts, OE Honda intercooler
Fuel	Direct injected 91+ octane unleaded (series dependent)
Exhaust	HPD/ Borla downpipe and turbo back exhaust
Performance	306+ HP
Transmission & Differential	OEM 6-speed manual transmission, HPD high strength 3rd and 4th gears, HPD/Cusco Limited Slip Differential
Suspension	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 F1.4 rotary formed aluminum wheels, 18 x 9.5 in.
Steering	Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/ telescopic column
Brakes	Brembo 4-piston calipers, HPD Girardisc 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
Body	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.
Structure	Welded multipoint roll cage, OMP racing seat, OMP 6-pt harness, OMP window and center nets, OMP on board fore control system, HPD/ Hasport polyurethane, engine mounts.
Electronics	AIM MXP 1.2 data logger, Motec C125 data logger (optional), 4-wheel suspension position sensors (optional)
Fuel	HPD Pyrotec Bolt-in FIA fuel cell, 1.6-gallon capacity, High flow filler neck and cap in OE location

[More Info](#)

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NSX GT3 EVO22 RACECAR

€550,000

Eligible Racing Series

IMSA WeatherTech Sports Car Challenge – GTD class
SRO GT World Challenge America – GT class
SRO GT America – SRO3 class

International Racing Series

SRO GT World Challenge Europe
SRO GT World Challenge Asia
China GT
Intercontinental GT Challenge
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
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

Engine

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



[Buy NSX here](#)

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HPD Academy

The HPD Drivers Academy is a four-part development 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 Evo22 and Civic Type R TCR, and access to experienced professional GT3 Evo22 and Civic TCR 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](#)

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](https://www.hpd.honda.com)

[hpd.honda.com](https://www.hpd.honda.com)





PINNACLE SPORTS

INDYCAR
ACURA MOTORSPORTS
BAJA RIDGELINE

Marcus Ericsson

2022 Indianapolis 500 Winner
No.8 Honda for Chip Ganassi Racing



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, 10 Manufacturers' Championships, and 15 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

15 Indy 500 Champions

7 INDYCAR Drivers' Championships

INDYCAR / CART Manufacturers' Championships

1996, 1998, 1999, 2001, 2004, 2005, 2018, 2019, 2020, 2021



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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 Evo22 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 Evo22 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 & 2022 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

2021 Michelin Endurance Cup Manufacturers', Drivers', Team Champion

2022 Manufacturers', Drivers', Team Champion

2022 Michelin Endurance Cup Champion

IMSA WeatherTech SportsCar Championship Series GTD Class

2019 Drivers', Team Champion

2020 Manufacturers' Drivers' Team Champion

SRO World Challenge

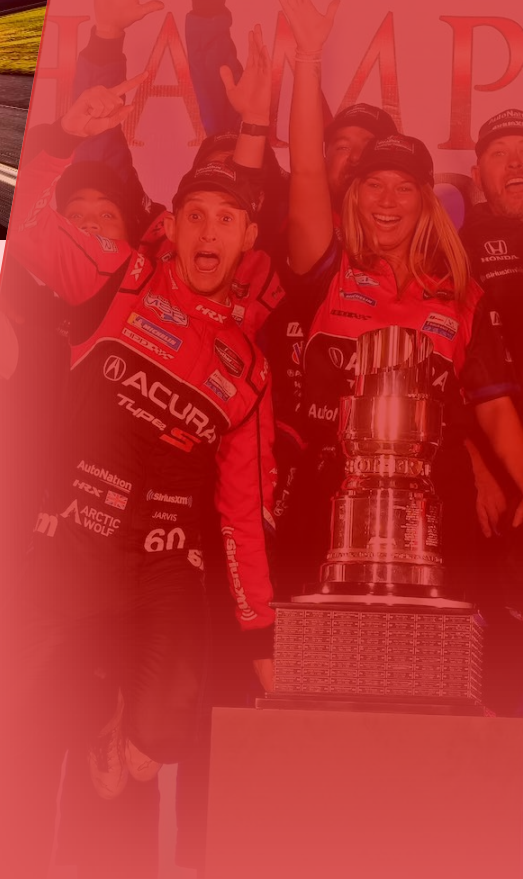
GT3 Pro Am Class

2019 Drivers', Team Champion

2020 Manufacturers', Drivers', Team Champion

2022 Drivers', Team Champion

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Meyer Shank Racing

2022 IMSA WeatherTech SportsCar Championship
DPi Class – Manufacturers', Drivers' and Teams' Champions

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
- 2021 San Felipe 250 Class Winner
- 2021 Baja 500 Class Winner
- 2021 Vegas to Reno Class Winner
- 2021 Baja 1000 Class Winner



HONDA RIDGELINE WITH HPD PACKAGE

BAJA RIDGELINE RACE TRUCK



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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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