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.
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

[hpd.honda.com](http://hpd.honda.com)
ENGINES
GXH50 Karting Kits

**GXH50**

**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**
Forged steel alloy

**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**

hpd.honda.com
GX120UT2 HX2
$408.00

- **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
$438.00

- **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)

HPD Parts & Engines Store
hpd.honda.com
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.

SUPPORTS

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

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

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

$9,000.00

Controls Package & Crate Engine
$9,000.00

Crate Engine
$6,790.00

*pricing subject to change*
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.

### 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.

### 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

### 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](https://hpd.honda.com)
- [FRA Buyer’s Guide](https://hpd.honda.com)

K20C1 Engine same as Civic Type R

Buy this car now
F4 DRIVER GIVING KIDS INTRODUCTION TO RACING
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

<table>
<thead>
<tr>
<th>Engine</th>
<th>1.5 liter inline 4 cylinder (production based)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Management</td>
<td>Production-based ECU HPD or customer-tuned (series dependent)</td>
</tr>
<tr>
<td>Cooling</td>
<td>HPD CSF radiator-OE Honda intercooler</td>
</tr>
<tr>
<td>Fuel</td>
<td>Direct injected 91+ octane unleaded (series dependent)</td>
</tr>
<tr>
<td>Exhaust</td>
<td>HPD/ Borla downpipe and turbo back exhaust</td>
</tr>
<tr>
<td>Performance</td>
<td>200+ HP</td>
</tr>
<tr>
<td>Transmission &amp; Differential</td>
<td>OEM 6-speed manual transmission, HPD high strength 4th gear, HPD/Cusco Limited Slip Differential, HPD single mass flywheel</td>
</tr>
<tr>
<td>Suspension</td>
<td>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</td>
</tr>
<tr>
<td>Steering</td>
<td>Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/telescopic column</td>
</tr>
<tr>
<td>Brakes</td>
<td>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.</td>
</tr>
<tr>
<td>Body</td>
<td>Stock Honda Civic Si Coupe, High-flow front grille, HPD brake cooling inlet ducts, Adjustable electric side mirrors.</td>
</tr>
<tr>
<td>Structure</td>
<td>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.</td>
</tr>
<tr>
<td>Electronics</td>
<td>AIM MXP 1.2 data logger, Motec C125 data logger (optional)</td>
</tr>
<tr>
<td>Fuel</td>
<td>12.4 Gallon-Capacity</td>
</tr>
</tbody>
</table>

More Info
hpd.honda.com
11th GENERATION
CIVIC SI TCA RACECAR
PRICE: TBD

<table>
<thead>
<tr>
<th>Engine</th>
<th>1.5 liter inline 4 cylinder (production based)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Management</td>
<td>Production-based ECU HPD or customer-tuned (series dependent)</td>
</tr>
<tr>
<td>Cooling</td>
<td>OE Honda radiator and intercooler</td>
</tr>
<tr>
<td>Fuel</td>
<td>Direct injected 91+ octane unleaded (series dependent)</td>
</tr>
<tr>
<td>Exhaust</td>
<td>HPD/Borla downpipe and turbo back exhaust</td>
</tr>
<tr>
<td>Performance</td>
<td>200+ HP</td>
</tr>
<tr>
<td>Transmission &amp; Differential</td>
<td>OEM 6-speed manual transmission, HPD high strength 4th gear, HPD/Cusco Limited Slip Differential</td>
</tr>
<tr>
<td>Suspension</td>
<td>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</td>
</tr>
<tr>
<td>Steering</td>
<td>Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/telescopic column</td>
</tr>
<tr>
<td>Brakes</td>
<td>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</td>
</tr>
<tr>
<td>Body</td>
<td>Stock Honda Civic Si, HPD brake cooling inlet ducts, Adjustable electric side mirrors</td>
</tr>
<tr>
<td>Structure</td>
<td>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</td>
</tr>
<tr>
<td>Electronics</td>
<td>Motec C127 data logger display</td>
</tr>
<tr>
<td>Fuel</td>
<td>12.4 Gallon-Capacity</td>
</tr>
</tbody>
</table>
**CIVIC TYPE R TC RACECAR**

$89,900

**Eligible Racing Series**

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

<table>
<thead>
<tr>
<th><strong>Engine</strong></th>
<th>2.0-liter inline-4 (production-based)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine Management</strong></td>
<td>Production-based ECU, HPD or customer-tuned (series dependent)</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>HPD CSF radiator and auxiliary oil coolers, HPD Cooling Ducts, OE Honda intercooler</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>Direct injected 91+ octane unleaded (series dependent)</td>
</tr>
<tr>
<td><strong>Exhaust</strong></td>
<td>HPD/ Borla downpipe and turbo back exhaust</td>
</tr>
<tr>
<td><strong>Performance</strong></td>
<td>306+ HP</td>
</tr>
<tr>
<td><strong>Transmission &amp; Differential</strong></td>
<td>OEM 6-speed manual transmission, HPD high strength 3rd and 4th gears, HPD/Cusco Limited Slip Differential</td>
</tr>
<tr>
<td><strong>Suspension</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Steering</strong></td>
<td>Production electric power steering, OMP racing wheel and quick disconnect, OE Honda tilt/telescopic column</td>
</tr>
<tr>
<td><strong>Brakes</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Structure</strong></td>
<td>AIM MXP 1.2 data logger, Motec C125 data logger (optional), 4-wheel suspension position sensors (optional)</td>
</tr>
<tr>
<td><strong>Electronics</strong></td>
<td>HPD Pyrotect Bolt-in FIA fuel cell, 16-gallon capacity, High flow filler neck and cap in OE location</td>
</tr>
</tbody>
</table>

**More Info**

hpd.honda.com
# CIVIC TYPE R TCR RACECAR

$154,000

**Eligible Racing Series**
IMSA MICHELIN PILOT CHALLENGE-TCR
WORLD TCR

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>2.0-liter inline-4 (production-based), Calibrated and sealed by JAS Motorsport</td>
</tr>
<tr>
<td><strong>Engine Management</strong></td>
<td>Motec M142 ECU with custom wiring harness, Mapped for 100 octane fuel</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>High performance radiator, oil cooler and intercooler, Ducting for engine, radiator, and intercooler</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>Direct injected, 100 octane unleaded race fuel</td>
</tr>
<tr>
<td><strong>Exhaust</strong></td>
<td>Competition stainless exhaust with racing-grade catalytic converter</td>
</tr>
<tr>
<td><strong>Performance</strong></td>
<td>Approximately 340 hp</td>
</tr>
<tr>
<td><strong>Transmission &amp; Differential</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Suspension</strong></td>
<td>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-Q2 Racing cast aluminum wheels, 18 x 10 in.</td>
</tr>
<tr>
<td><strong>Steering</strong></td>
<td>Electric power steering with heavy-duty arms, Heavy-duty ball joints on front lower wishbone, Multifunction quick disconnect wheel</td>
</tr>
<tr>
<td><strong>Brakes</strong></td>
<td>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 34mm brake pad surface, Brake cooling ducts from bumper to upright, Bosch racing ABS, Switch-on central console with 12 working levels</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Structure</strong></td>
<td>Semi-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</td>
</tr>
<tr>
<td><strong>Electronics</strong></td>
<td>Motec PDM30 power distribution (factory sealed), Motec C127 data logger</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>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</td>
</tr>
</tbody>
</table>

**More Info**

hpd.honda.com
**NSX GT3 EVO22 RACECAR**

€550,000

**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)

**Engine**
- 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

**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

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[Buy NSX here](http://hpd.honda.com)
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 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.
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
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 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

14 Indy 500 Champions
7 INDYCAR Drivers' Championships
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.

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

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
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.

Honda Performance Development
Customer Service Support
grmsadmin@hra.com
Tel: (661) 702-7777

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