

2004 Acura NSX



The Acura NSX has changed the way people think about exotic automobiles. It's a true mid-engined supercar, injected with undiluted doses of racing DNA. Yet it delivers those thrills with poise and sophistication, blending raw performance with absolute civility. Sculpted in lightweight aluminum, appointed in the finest materials and propelled by a 290-hp VTEC engine, the handcrafted 2004 NSX rewards a select few with unparalleled excellence. And a new appreciation of what an exotic should be.

In the hands of an accomplished pilot, the sharply honed NSX reveals the power and precision inherent in its racing legacy. And its refined, balanced and forgiving nature further bolsters the driver's confidence.

Take command, and the NSX responds immediately to every desire. Controls become superfluous as mere thoughts seem to speed you through fast bends with ease. In a superior car, you're a superior driver.

3.2-Liter, 24-Valve, DOHC V-6 Engine
Variable Valve Timing and Lift Electronic Control (VTEC®)

Variable Volume Induction System
Low-Emission Vehicle (LEV)

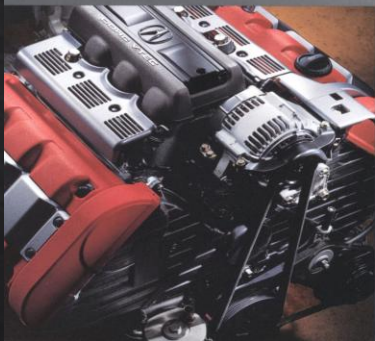
6-Speed Manual Transmission*
Traction Control System (TCS)

Advanced 4-Wheel Independent Double-Wishbone Suspension System
Electric, Variable Power-Assist Rack-and-Pinion Steering

4-Wheel Ventilated Disc Brakes with ABS
Unidirectional Performance Tires

17-Inch Forged Alloy Wheels
All-Aluminum-Alloy Unit Body
Refined Aerodynamics

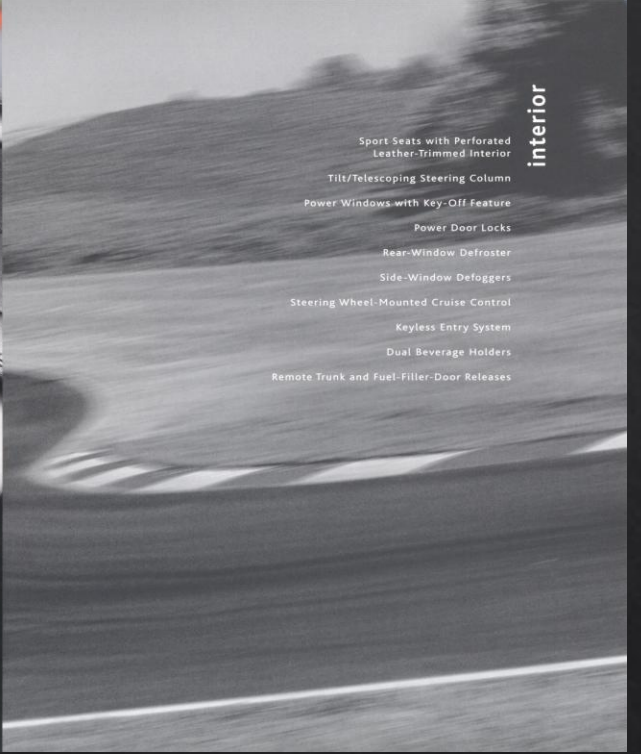
performance & handling



Acura NSX shown in Rio Yellow Pearl.



Acura NSX interior shown with Onyx Leather.



interior

- Sport Seats with Perforated Leather-Trimmed Interior
- Tilt/Telescoping Steering Column
- Power Windows with Key-Off Feature
- Power Door Locks
- Rear-Window Defroster
- Side-Window Defoggers
- Steering Wheel-Mounted Cruise Control
- Keyless Entry System
- Dual Beverage Holders
- Remote Trunk and Fuel-Filler-Door Releases

Sink softly into the NSX cockpit, and an undeniable truth hits hard. You're here for a reason: to take control. Mind melds with machine, and you embrace your fate as the glove-soft leather embraces your form.

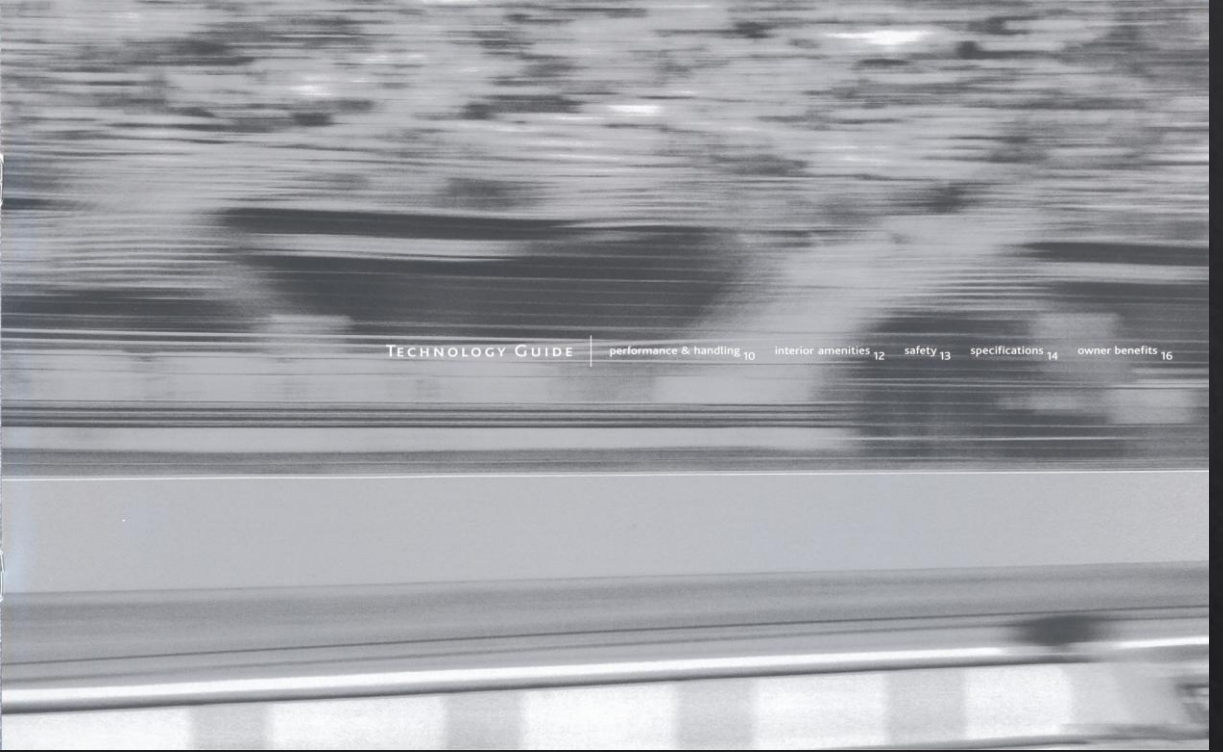
How can a purpose-built machine offer such comfort and refinement? Because every detail of the NSX cockpit is crafted by technicians and artisans with one guiding principle: The total satisfaction of its driver.

- Handcrafted Quality
- Automatic Climate Control System
- 4-Way Power Seat Adjustment
- Sport-Oriented Instrumentation
- Acura/Bose® Music System
- 6-Disc CD Changer
- Theft-Deterrent System with Electronic Immobilizer
- Onboard Roof Panel Storage
- Available Body-Color-Matched Interior Trim

amenities



Acura NSX shown in Rio Yellow Pearl.

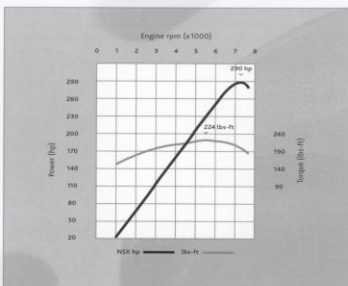


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3.2-Liter, 24-Valve, DOHC V-6 Engine

When you think about high-performance exotics, words like "versatile" don't usually spring to mind. But the heart of the mid-engined NSX and the key to its unique driveability is a 290-hp powerplant that delivers high output throughout the powerband. That power comes from sophisticated technology like a 3-rocker VTEC system, PGM-FI (Programmed Fuel Injection) and free-flowing stainless-steel exhaust headers. A Drive-by-Wire Throttle System™ offers precise, tractable power delivery. Each engine is hand-assembled by a single master technician to the strictest of tolerances. And this meticulously built machine is designed to go 105,000 miles before its first tune-up.²



Horsepower and Torque

The 3.2-liter, 24-valve V-6 produces some impressive numbers, like 224 lbs-ft of torque. The flat profile of the torque curve is even more impressive, providing brisk acceleration when getting on the interstate or when cruising through town. And 290 peak horsepower offers breathtaking performance at higher speeds.



Variable Valve Timing and Lift Electronic Control (VTEC)

In conventional engine design, valve timing and lift remain constant, necessitating a compromise between low-rpm torque and high-rpm horsepower. VTEC technology challenges convention by using two different cam profiles. At low rpms, more torque is available. As engine speeds increase, high-rpm cam profiles are hydraulically actuated to optimize intake and exhaust flow for higher peak horsepower.

6-Speed Manual Transmission

The close-ratio 6-speed transmission and short-throw shifter deliver quick, confident gear changes. Those who seek precise control will appreciate the wide availability of gear ratios to perfectly match engine and road speeds. Driver control is also enhanced by a torque-reactive limited-slip differential that helps minimize inner-wheel slip while cornering.

Variable Volume Induction System

Sonic resonance occurs naturally in engine intake tracts. This system takes advantage of the phenomenon with a set of valves between two chambers in the intake manifold. At lower speeds, the valves are closed, producing a frequency that increases cylinder charging. At higher rpm, the valves open, muting the resonance so intake inertia can better fill the cylinders.

Titanium Connecting Rods

The faster an engine can rev, the more power it can make. The NSX engine has connecting rods made from titanium, which is not only incredibly strong, but also 30% lighter than steel. The connecting rods team with lightweight alloy pistons to reduce the engine's overall reciprocating mass, and therefore increase its willingness to rev freely and quickly to its 8000-rpm redline.



All-Aluminum-Alloy Unit Body

A precise blend of alloys creates a body with exceptional rigidity that is also incredibly lightweight. Most of the body is expertly hand-welded by top technicians.



Refined Aerodynamics

The NSX body is a carefully chiseled shape that yields a low .30 coefficient of drag. The nearly perfect balance of front-to-rear lift coefficients enhances high-speed stability.



Unidirectional Performance Tires and 17-Inch Forged Alloy Wheels

The NSX features wide, meaty P255/40 R17 tires in the rear to help get lots of power to the road. While up in front, P215/40 R17 tires help to enhance quick, sharp directional control. All four of these high-performance tires feature a unidirectional tread pattern designed to optimize traction and handling dynamics. And the NSX wears them on strong yet lightweight 17-inch forged aluminum-alloy wheels.

Electric, Variable Power-Assist Rack-and-Pinion Steering

This innovative system provides reduced steering effort at low speeds, and more direct steering feedback as your speed increases. It delivers a more natural, connected road feel, and no horsepower is taken from the engine to operate it.



Low-Emission Vehicle (LEV)

In building the NSX, we created a high-performance automobile in more than one sense of the term "performance." In fact, the NSX is so intelligently engineered, it also qualifies as a Low-Emission Vehicle (LEV). It's a sign of Acura's commitment to building vehicles that perform and that are still friendlier to the environment.

Advanced 4-Wheel Independent

Double-Wishbone Suspension System

The NSX has suspension components forged in aluminum alloy to lower unsprung weight and enhance responsiveness. Formula One-inspired suspension geometry and a special compliance pivot help optimize the tires' contact patch, and nitrogen-filled, progressive-valve shocks and stout stabilizer bars contribute to a tenaciously grippy .90g of cornering force on the skidpad.



4-Wheel Ventilating Disc Brakes

Large ventilated rotors provide outstanding braking ability. The ventilation helps to reduce heat buildup, thereby enhancing stopping power and fade resistance. The front discs are 11.7 inches in diameter, while the rears measure 11.9 inches.

Traction Control System (TCS)

TCS helps improve driver control by limiting wheelspin. It uses both a g-force sensor as well as the wheel-speed sensors of the ABS system to detect impending wheelspin. The system then limits power to the wheels as needed to prevent the spin and enhance the vehicle's directional stability. This feature can be especially useful when driving on wet or slippery surfaces.



Handcrafted Quality

The NSX never sees an automated assembly line. Each car is made at a unique assembly facility where it is mounted to a dolly and manually pushed between workstations. At each station, a small team of skilled technicians completes their work, mostly by hand. Most of the aluminum body is hand-welded. Glove-soft leather is hand-fitted. And each workstation also serves as an inspection station, as each car does not move forward until the team is satisfied that all quality controls have been met. This personal, exquisite attention to detail enables us to produce an automobile to more exacting tolerances than possible in mass assembly.



Sport-Oriented Instrumentation

When you want to convey information quickly, it's best to keep things simple. To this end, the NSX cockpit features clear, large, easy-to-read instrumentation. The traditionally styled analog gauges sport bold white numerals on top of a dark blue background for excellent readability, especially for nighttime drives. Dominating the instrument panel are the large tachometer and speedometer, centered for quick glances while at speed. Other smaller gauges include water temperature and oil pressure to the left of the tach, and the fuel gauge and voltmeter are placed to the right of the speedometer. For 2004, a freshened dash frames them all.

4-Way Power Seat Adjustment

Not only are they soft and supportive, the driver's and passenger's seats in the NSX also feature 4-way power adjustability. This makes it easy to adjust fore-and-aft seat position as well as seatback recline position. Further customizing the fit is a steering column that tilts and telescopes. The wide choice of positions helps assure passenger comfort, and helps the pilot find his or her optimum driving posture. And the sport seats with high side bolsters help keep occupants firmly planted during spirited driving.



Acura/Bose Music System

The 165-watt system is calibrated to the unique acoustics of the NSX interior. A 6-disc CD changer is standard, and four high-quality speakers, including a central wide-range unit and powerful subwoofer, produce exceptional sound imaging.

Theft-Deterrent System with Electronic Immobilizer

If unauthorized entry is attempted, the alarm system disables the ignition and activates the horn and flashers. The system arms itself after the doors are locked, and disarms when they're unlocked. And the system even works with the roof removed.

Automatic Climate Control System

Developed specifically for the NSX, this fully automatic system will maintain a preset desired temperature. Or you can override the system and operate the climate controls manually.

Onboard Top Storage

Removing the lightweight aluminum NSX top is a one-person job. Simply turn a lever on each side of the top, lift it off and place it in its own storage space beneath the engine cover glass. There it will stay, locked and secure. And the dedicated storage area means you don't need to give up any of your cargo room.



Dual Front Airbags (SRS)*

The NSX driver and passenger will both appreciate the added peace of mind granted by the front airbag supplemental restraint system. In the event of a moderate-to-severe frontal impact, both airbags will deploy and inflate in a fraction of a second. After full inflation, the airbags immediately begin to deflate, providing the occupants with controlled deceleration and absorption of impact energy. The system is designed to help reduce the possibility of serious injury in an accident.

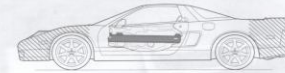
Automatic Seat-Belt Pretensioners

The airbag system is called "supplemental" in the sense that it is a supplement to seat-belt use. The NSX features 3-point seat belts with a pretensioner system that is triggered by the same sensors as the airbags, and will also deploy in a significant impact. The seat-belt pretensioners are designed to remove belt slack and thereby hold occupants securely in their seats.

*Acura reminds you and your passengers to fasten your seat belts. Front airbags inflate and deflate in a fraction of a second.

Front and Rear Crumple Zones & Side-Impact Door Beams

Our engineers designed the NSX chassis for exceptional strength and structural rigidity. A rigid body structure enhances driving characteristics, and also contributes to the safety of the passenger cabin. Advanced finite element modeling software was used to engineer the front and rear of the NSX body. We created significant crumple zones that deform progressively on impact, distributing the energy of the impact across massive lateral bulkheads and around the sturdy inner passenger cabin. More passenger protection is offered by robust side-impact door beams within the sheet metal of each door. The beams join with large side-sill extrusions to help resist cabin intrusion in a side impact. All body reinforcements are made with special aluminum alloy that is lighter than steel but is engineered to provide the same exceptional strength and protection.



High-Intensity Discharge (HID)

Projector-Beam Headlights
Not only do they light up the night, the stylish and powerful High-Intensity Discharge (HID) headlights also punctuate NSX performance. The xenon-filled bulbs emit a brilliantly pure light that teams with the reflectors and lensing to throw a longer, clearer, more focused beam. The beam is also wider, eliminating the need for separate fog lights. And the Acura HID system is three times more efficient than halogen bulbs, using less energy while lasting twice as long.

4-Channel Anti-Lock Braking System (ABS)

Most ABS-equipped cars offer only a 3-channel system, where the two rear brakes share a single channel. But in keeping with our no-compromise approach to performance, the NSX has true 4-channel ABS. The system's sensors measure wheel rotation at each of the four wheels, and a sophisticated electronic/hydraulic control unit modulates the brake pressure independently to each wheel to optimize braking performance. The NSX 4-channel system is especially effective when braking on a surface with a split coefficient of friction; for example, when the left wheels are on ice and the right wheels are on pavement. The system's precise control of the anti-lock function enhances the driver's ability to retain steering control during hard braking.





Engine	
Engine Type	NSX Mid-engine aluminum-alloy V-6
Displacement (liters)	3.2
Bore and Stroke	3.66 in x 3.07 in
Horsepower @ rpm (SAE net)	290 @ 7100
Torque (lb-ft @ rpm)	224 @ 5500
Valvetrain	24-valve, DOHC VTEC [†]
Redline (rpm)	8000
Compression Ratio	10.2:1
Fuel System	PGM-FI Multi-Point Injection with Variable Volume Induction System
Ignition System	Electronic direct
Throttle Control	Drive-by-Wire Throttle System ^{**}
CARB Emissions Rating	LEV ^{††}
Cooling System Capacity	16.9 U.S. quarts (16.0 liters)
Crankcase Refill Capacity, Including Filter	5.3 U.S. quarts (5.0 liters)

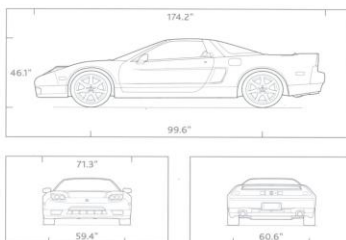
Transmission	
Close-Ratio 6-Speed Manual	
Gear	1ST 2ND 3RD 4TH 5TH 6TH REVERSE FINAL DRIVE
Ratio (1)	3.066 1.956 1.428 1.125 0.914 0.717 3.186 4.062
Differential	Torque-reactive limited-slip
Drive	Rear-wheel



Chassis	
Body Type	All-aluminum unit body
Suspension	4-wheel independent aluminum double-wishbone
Shock Absorbers (front/rear)	Gas-filled with progressive-valve technology
Stabilizer Bar (front/rear)	18.3 mm tubular/193 mm tubular
Strut Tower Bar	Mild steel, tubular design
Steering	Electric, variable power-assist rack-and-pinion
Steering Wheel Turns (lock to lock)	3.24
Turning Diameter, Curb to Curb	38.1 ft
Steering Ratio	18.6:1
Braking System	Power-assisted 4-wheel ventilated disc brakes with ABS
Brake Discs (front/rear)	11.7 in diameter, 11 in rotor thickness/11.9 in diameter, 0.83 in rotor thickness
High-Performance Radial Tires (front/rear)	P215/40 R17 83Y/P255/40 R17 94Y



General Specifications	
EPA Estimated Fuel Mileage [*] (city/highway)	17/24
Fuel Tank Capacity	18.5 U.S. gallons (70 liters)
Recommended Fuel	Premium unleaded 91 octane [‡]
Curb Weight	3153 lbs (1430 kg)
Weight Distribution (% front/rear)	47/59
Coefficient of Drag (Cd)	.30
Coefficient of Lift (Cl) (front/rear)	.079/.025
Minimum Ground Clearance	5.1 in (130 mm)
Headroom / Shoulder Room	36.3 in (922 mm)/52.5 in (1334 mm)
Legroom / Hiproom	44.3 in (1125 mm)/52.8 in (1347 mm)
EPA Passenger Volume/EPA Cargo Volume	48.9 cu ft/5.0 cu ft



Interior Features

- Deeply bolstered sport seats with perforated leather-trimmed interior (body-color-matched interior leather available)
- Driver's and passenger's 4-way power seat adjustment
- Leather-wrapped steering wheel, gearshift knob and parking brake
- Automatic climate control system
- Acura/Bose[®] Music System with 165-watt continuous power, AM/FM stereo cassette, 6-disc CD changer and 4 speakers
- Theft-deterrent system with electronic immobilizer
- Cruise control with steering wheel-mounted controls
- Power windows with key-off feature
- Power door locks
- Full instrumentation with dark blue-faced gauges, including: speedometer, tachometer, fuel, battery charge, water temperature, oil pressure
- Tilt and telescoping steering column
- Full-length center console
- Driver's and passenger's door threshold trim with vehicle's production number
- Carpeted floor mats
- Full cargo-area carpeting
- Door-mounted courtesy lights
- Cargo-area light
- Remote trunk, hatch and fuel-filler-door releases
- Dual beverage holders
- Locking glove compartment with light
- Digital clock



Exterior Features

- Body-colored removable roof panel with onboard storage
- Handcrafted all-aluminum unit-body construction
- Body-integrated rear spoiler and air foil
- Power-operated, body-colored outside mirrors
- 17-inch machine-finished forged aluminum-alloy wheels
- High-performance unidirectional tires
- Gold-toned front and rear brake calipers with NSX logo
- Side air intakes with mesh grille
- Keyless entry system
- Heat-rejecting green-tinted glass
- Body-colored front and rear bumpers
- 5-mph bumpers (front/rear)
- Variable intermittent windshield wipers
- Power FM diversity antenna
- Dual-outlet exhaust
- 4-coat, 4-bake paint process

Safety Features

- Driver's and passenger's airbag supplemental restraint system (SRS)
- 3-point seat belts with automatic pretensioners
- 4-wheel, 4-channel anti-lock braking system (ABS)
- Traction Control System (TCS)
- Impact-absorbing crumple zones (front and rear)
- Xenon High-Intensity Discharge (HID) projector-beam headlights
- Rear-window defroster with timer
- Side-window defoggers
- Side-impact door beams
- Day/night rearview mirror
- Rear-spiller-integrated LED Center High Mount Stop Light
- Impact-absorbing interior surfaces
- Non-protruding switches and controls
- Safety glass
- Emergency trunk opener

Genuine Acura Accessories
Talk to your Acura dealer for more information about accessories available to personalize your NSX. Choose genuine Acura accessories that are crafted to the same strict levels of quality as the rest of your NSX.

Warranty
Vehicle: 4-year/50,000-mile limited warranty[‡]
Outer body rust-through: 5-year/unlimited-mile limited warranty[‡]
Accessories: 4-year/50,000-mile limited warranty[‡]
Roadside assistance (TLC): 4 years/50,000 miles

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††Fasten your seat belt. [†]As rated by the California Air Resources Board. [‡]Automatic transmission available. See acura.com or your dealer for more information. [‡]Does not apply to fluid and filter changes or periodic inspections. Please refer to the maintenance section of your owner's manual to determine all appropriate maintenance intervals. [‡]Based on 2003 EPA mileage estimates. Final 2004 EPA mileage estimates were not available at the time of printing. Use for comparison purposes only. Your mileage may vary. [‡]Gasoline with an octane number lower than 91 may be used, with reduced performance. [‡]Ordinary maintenance items or adjustments, parts subject to normal wear and replacement, and certain other items are excluded. See your Acura dealer for the terms and conditions of limited warranties. [‡]When installed at the time of new-vehicle delivery. [‡]Honda Financial Services is a DBA of American Honda Finance Corporation. [‡]See your local dealer for details about Total Luxury Care (TLC), Acura Roadside Assistance and Concierge Service.



Acura-Trained Service Personnel

Every new Acura is covered by a full 4-year/50,000-mile limited warranty.¹ And when it's time for maintenance, rest assured that the technicians at your Acura dealer have been trained to the highest standards and are familiar with every single facet of your Acura automobile. Our goal is really quite simple: We want to ensure that you enjoy your Acura now and for years to come.

acura.com Visit our Web site for the latest specifications, MSRPs, photographs, special offers and more. You can "design" your own Acura and personalize it with genuine accessories. You can also apply for financing, see dealer inventories and request a price quote from an Internet-certified Acura dealer.

Acura Care Additional peace of mind can be had with the Acura Care[®] program, comprehensive vehicle and travel protection beyond the initial warranty period. See your Acura dealer for all of the features and benefits.



1-800-to-Acura For information on Acura automobiles, please call us toll-free at 1-800-to-Acura. An operator is there to assist you 24 hours a day, every day of the week.

Owner Communications and Privileges Acura can keep you updated with periodic owner-related communications on exclusive special benefits and owner-appreciation offers.

Honda Financial Services[®] Whether you buy or lease an Acura, Honda Financial Services can assist you with the process. Ask your Acura dealer which plan best suits your needs.



Total Luxury Care[™]—Owner Benefits Acura's commitment to your satisfaction doesn't end with delivery of a world-class vehicle. It only begins there. On top of the 4-year/50,000-mile limited warranty,¹ every Acura comes with Total Luxury Care[™] (TLC[™]), an array of services to help you enjoy your automobile.

Trip-Interruption Benefits Total Luxury Care goes beyond warranty-related repairs. If a problem that is covered by your warranty interrupts your trip more than 100 miles from home, Acura will provide reimbursement for meals, lodging or car rental expenses — up to \$300 per day for up to three days.

24-Hour Roadside Assistance When you drive an Acura, you never really drive alone. As part of your TLC benefits, 24-Hour Roadside Assistance is available to you everywhere in the continental United States and in Canada, day or night, every day of the year. Just call the toll-free number and you can be assured that assistance is promptly on its way.

Acura Concierge — Travel Service In case you need help in planning the route of a trip, or if you require other assistance or information, Acura Concierge service is ready to lend a hand. In an emergency, Acura Concierge service can help you out with many logistical details, and will even relay up to three urgent messages on your behalf if you are unable to do so.



Dream in Color

For the NSX, Acura offers a wide variety of exterior paint and interior leather color choices, so you can complete your very own vision of perfection. You can select from seven exterior paint colors, each designed to enhance the lines and sporting

personality of the NSX. And whatever exterior color you choose, there is a perfectly complementary NSX interior to pair with it. With no less than eight unique leather colors available, you can really make your NSX match your own personal taste and style.

The finish of the NSX was created with a 27-step painting process, including an aircraft-type chromate coating designed for use with aluminum. And a special waterborne paint for the base coat provides more vivid colors and a smoother surface finish.

	Grand Prix White	Silverstone Metallic	Berlina Black	Long Beach Blue Pearl	Rio Yellow Pearl	Imola Orange Pearl	New Formula Red	
Exterior Colors								
Available with:	White, Onyx or Camel	Silver or Onyx	Onyx, Camel or Red	Blue, Onyx or Camel	Yellow or Onyx	Orange or Onyx	Red, Onyx or Camel	
Interior Colors								
	White Leather	Silver Leather	Onyx Leather	Blue Leather	Yellow Leather	Orange Leather	Red Leather	Camel Leather

 ACURA

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