

# MUGEN 無限

MUGEN Co., Ltd. HONDA POWER SPECIALIST

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## MUGEN NSX



Mugen Co., Ltd. has been providing various racing engines for professional racers and motoring enthusiasts since the company was formed.

This year, 1992, We are proud to announce that we have taken a major step toward the fulfillment of one of our dreams "the creation of an ideal sport car."

Because we have started supplying Formula One power units to the Footwork team, this year will also be remembered as the one which we became close to realize our other dream, that is to be a genuine racing engine supplier.

The Mugen NSX is an experimental model with which we can learn "what a high performance car must have to be simultaneously accepted by society and laws."

The completed car and the parts are planned to sell in Japan from the end of 1992. (There is a possibility the delay of the sales.)



Valve train:

Cogged belt-driven DOHC, two inlet and two exhaust valves



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## MUGEN NSX (PROTOTYPE) MAJOR SPECIFICATIONS

### Dimensions and weights:

Overall length	(m):	4.375
Overall width	(m):	1.880
Overall height	(m):	1.155
Wheel base	(m):	2.530
Track (m)	Front :	1.530
	Rear :	1.530
Ground clearance	(m):	0.120
Curb weight	(kg):	1,280
Occupants	(person):	2

### Engine:

Type:	C30A modified
Layout/number of cylinders:	Liquid-cooled V-6, transversely-mounted
Valve train:	Cogged belt-driven DOHC, two inlet and two exhaust valves incorporated per cylinder
Overall displacement (cm ):	2,977
Bore x stroke (mm):	90.0 x 78.0
Compression ratio:	10.5:1
Fuel supply:	Electronic fuel injection
Fuel tank capacity (liter):	70

### Performance:

Maximum power output:	Over 320 PS/8,000 rpm
Maximum torque:	Over 31 kg-m/5,500 rpm

### Transmission:

Transmission:	Five-speed manual
Tires, Front:	225/45ZR16
Rear :	265/40ZR17

## Major Equipment

### Body and exterior:

- Full carbon body consisting of carbon composite and hand-laid carbon (except door panels, roof and trunk lid).

### Suspension:

- Reinforced spring combined to damper unit with separate aluminum gas damper.  
Mugen Variable Suspension Control System (MVSC) allows to quick change of three different damping force setup from the cockpit. The MVSC is effective for both front and rear suspension.
- Reinforced front stabilizer bar and hard bushes.

### Wheel and tire:

- High tension aluminum alloy (durarumin) fully-machined super lightweight wheel "M-7".  
Front: 8.5J x 16  
Rear : 9.5J x 17
- Bridgestone EXPEDIA S-01  
Front: 225/45ZR16  
Rear : 265/40ZR17

### Engine (major differences from standard C30A):

- Different valve timing
- Modified valve size and valve spring
- Modified exhaust system
- Newly-programmed computer ROM

### Drive train:

- Mechanical 1.5-way L.S.D. (Limited Slip Differential).

### Interior:

- Buckskin upholstery and carbon fiber are widely used.
- Mugen original full bucket seat
- Four-point full harness
- Mugen-MOMO steering wheel
- Independent six in-line combination meters (including oil temperature meter) (meters made by Nippon Seiki)
- Aluminum pedals
- Aluminum roll bar

### Other differences from standard NSX:

- Air conditioner is not installed.
- Cassette deck is not installed.

# MUGEN PARTS FOR NSX

1992.9

PARTS NO.	I T E M	LIST PRICE	APPRICATIONS	AVAILABILITY	OTHER INFORMATION
50000-XG2-KOSO	SPORTS SUSPENSION KIT	UN-KNOWN			<*1>
	ALUMINUM WHEEL M-7 FRONT 8J-16 +46	@¥80,000-			
	ALUMINUM WHEEL M-7 REAR 9J-17 +46	@¥80,000-			
46400-XG5-KOSO	BRAKE HORSE KIT				RACING PURPOSE ONLY
	BUSH KIT				
	BUSH TOOL KIT				
	L.S.D.	@¥480,000-		ORDER MADE	RACING PURPOSE ONLY <*2>

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## MUGEN PARTS FOR NSX

<\*1>

This Suspension Kit exclusively developed for NSX have special aluminum case damper and low pressure gas chambers which are separated from the main bodies. This is similar to the systems used in Grand Prix motorcycles. The Shock Absorber will have five different damping force configurations. We are now extensively testing the Shock Absorber and the hard spring on a race track to finalize the specifications.

<\*2>

Although they are limited in number, a racing type Limited Slip Differential is available for racing purpose.

If you desire this unit, please place an order as soon as possible since four to six months are required to prepare to send you.