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General

Information

# **General Rotary Engine Information**

**Rotary**

**Engine**

**Mazda Rx8**

**Renesis Rx7**

*Rotary engine -  
Wikipedia Principles of  
a Rotary Engine |  
HowStuffWorks JDM  
Mazda Eunos Cosmo  
20B-REW 3 Rotar 2.0L*

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*Sequential Twin ...  
Mazda Rotary Engine |  
Benefits and  
Information | Biggers  
Mazda How to Start a  
Flooded Mazda RX8 | It  
Still Runs Mazda Rx8  
Service Manual and  
other info » Mazda Rx8  
The Wankel Engine  
History Mazda North  
American Operations -  
Mazda USA Official Site  
General Motors Rotary  
Combustion Engine -  
Wikipedia Mazda RX-8  
1.3 Wankel (240 Hp) |*

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Information  
Technical specs, data  
... List of Mazda  
engines - Wikipedia  
General Information  
Rotary Engine Mazda  
MAZDA: Chapter  
I Opening a New  
Frontier with the  
Rotary ... Wankel  
engine - Wikipedia  
1983 Mazda RX7 GSL  
For Sale | Gateway  
Classic Cars | 15872  
rotaryengine.com |  
Rotary Engine  
Specialists | Mazda ...  
Compare Rotary

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*Engines vs. SKYACTIV®  
TECHNOLOGY Mazda  
Wankel engine -  
Wikipedia 13B Engine  
Specs | It Still Runs A  
Brief History of the  
Rotary Engine*

Rotary engine -  
Wikipedia

The rotary engine variants were all dubbed 'RX' outside of Japan and is the name that we all associate with the rotary engine today. Aside from the

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Mazda Rx8  
Renois Rx7

family of RX vehicles  
Mazda also produced a  
string of grand touring  
coupe's branded the  
Mazda Cosmo; each  
fitted with various  
forms of the Mazda  
rotary engine between  
1967 and 1995. The  
first 'mass produced  
car' after the success  
of the Mazda Cosmo  
110s was the Mazda  
R100 released for sale  
in 1970.

Principles of a Rotary

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Engine |

HowStuffWorks

What is the engine size? 1.3 l 1308 cm<sup>3</sup> 79.82 cu. in. How many cylinders? 2, Rotary (Wankel) What is the drivetrain? Rear wheel drive: How long is this vehicle? 4435 mm 174.61 in. How wide is the vehicle? 1770 mm 69.69 in. What is the curb weigh? 1330 kg 2932.15 lbs. What is the gross weigh? 1728 kg 3809.59 lbs. How

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much trunk (boot)  
space ...

JDM Mazda Eunos  
Cosmo 20B-REW 3  
Rotar 2.0L Sequential  
Twin ...

Gateway Classic Cars  
of Dallas is proud to  
offer a super clean  
1983 Mazda RX-7 GSL.  
When talking about  
Japanese sports car,  
it's impossible not to  
mention the RX-7.  
Mazda first offered the  
car in 1978 with a

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revolutionary engine.  
The Wankel rotary was  
an engine which defied  
the norm with its  
design ...

## Mazda Rotary Engine | Benefits and Information | Biggers Mazda

The Wankel rotary  
engine is characterized  
by the unique  
triangular shape of its  
rotor. As the rotor turns  
at high speed, the apex  
seal, which is attached



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to each apex of the  
triangle to ensure air  
tightness, undergoes  
friction with the inside  
surface of the cocoon-  
shaped rotor housing.

### How to Start a Flooded Mazda RX8 | It Still Runs

That one is the Wankel,  
and its only current  
automotive proponent  
is Mazda. The Wankel  
engine was developed  
by German inventor  
Felix Wankel,

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beginning with  
drawings and  
prototypes in the  
1920s.

## Renesis Rx7

[Mazda Rx8 Service  
Manual and other info](#)

» [Mazda Rx8](#)

### GENERAL

INFORMATION: JDM of California provides its customers with used imported Japanese engines with low mileage. External parts of the engines such as belts, hoses, seals,

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Mazda Rx8  
Ponosis Rx7

gaskets, and plastic covers are sometimes damaged during shipping and can be replaced by the customer's mechanic using parts from the designated vehicle.

## The Wankel Engine History

rotaryengine.com  
(REC) has dedicated their R&D services to a variety of aftermarket and stationary applications using the

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Mazda rotary engine.  
The projects range  
from services which we  
were hired to perform  
to investment of our  
own time and money.  
Each application was  
unique and in some  
cases... never  
performed before.  
Read More

[Mazda North American  
Operations - Mazda  
USA Official Site](#)  
General information -  
Mazda Rx8 Service

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Information  
Manual The Mazda Rx8  
Rotary Engine  
General Information  
Service Manual is a 49  
Mazda Rx8  
Ponaris Rx7  
page pdf which  
provides information  
about how to use the  
manuals. Basic trouble  
shooting and setting up  
your work  
environment. Which  
help make sure the car  
does not get damaged  
during the repair.  
Mazda Rx8 Engine

General Motors Rotary  
Combustion Engine -

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## Wikipedia

The rotary engine of a Mazda RX8 tends to saturate easily if the car turns off before the engine warms.

Flooding the cylinders by injecting excessive fuel into the combustion chamber causes the fuel/air ratio to become disproportionate. When this happens, ignition cannot occur, and the engine cannot start.

Dealing ...

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[Mazda RX-8 1.3 Wankel  
\(240 Hp\) | Technical  
specs, data ...](#)

Although Mazda is well known for their Wankel "rotary" engines, the company has been manufacturing piston engines since the earliest years of the Toyo Kogyo company. Early on, they produced overhead camshaft , aluminum blocks, and an innovative block

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Information  
containing both the  
Rotary Engine  
Mazda Rx8  
Renesis Rx7  
engine and  
transmission in one  
unit.

## List of Mazda engines - Wikipedia

The 13B designation refers to a rotary engine made by Mazda. The rotary engine differs radically from the familiar piston engine. Instead of heavy pieces of metal which travel at high speed in one direction,



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stop, and move in the  
opposite direction  
causing vibration and  
stress, the rotary  
engine uses parts  
which travel smoothly  
around in a circle with  
little vibration or metal  
fatigue.

## General Information Rotary Engine Mazda

The Mazda Wankel  
engines are a family of  
Wankel rotary  
combustion car

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engines produced by Mazda. Wankel engines were invented in the early 1960s by Felix Wankel, a German engineer. Over the years, displacement has been increased and turbocharging has been added. Mazda rotary engines have a reputation for being relatively small and powerful at the expense of poor fuel efficiency. The engines became popular with

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Information  
kit car builders, hot  
rodders and in light  
aircraft because of  
their light weight, com

## Renesis Rx7

### MAZDA: Chapter I□Opening a New Frontier with the Rotary ...

The Mazda RX-8 , a  
new car from Mazda,  
has a new, award  
winning rotary engine  
called the RENESIS.  
Named International  
Engine of the Year  
2003, this naturally

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aspirated two-rotor engine will produce about 250 horsepower. For more information, visit Mazda's RX-8 Web site.

## Wankel engine - Wikipedia

The most notable pistonless rotary engine, the Wankel rotary engine has been used by NSU in the Ro80 car, by Mazda in a variety of cars such as the RX-series, and in

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some experimental  
aviation applications.

Mazda Rx8

1983 Mazda RX7 GSL

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& steering » chassis

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rotary-engine &  
transmission » rotary-  
engine supplement

Mazda Rx8  
Renzis Rx7  
[rotaryengine.com](http://rotaryengine.com) |  
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ATTACHMENT -  
WARRANTY  
INFORMATION ROTARY  
ENGINE CORE LIMITED  
WARRANTY Mazda  
warrants that the  
Rotary Engine Core  
Components of your  
Mazda Vehicle is free  
from defects in Mazda-

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Ponosis Rx7

supplied material or workmanship which result in improper function, subject to the following terms and conditions.

## Compare Rotary Engines vs. SKYACTIV® TECHNOLOGY

Mazda has undertaken research on Spark Controlled Compression Ignition ignition on rotary engines stating that any new rotary engines

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Mazda Rx8  
Genesis Rx7

will incorporate SPCCI. SPCCI incorporates spark and compression ignition combining the advantages of gasoline and diesel engines to achieve environmental, power and fuel consumption goals.

## Mazda Wankel engine - Wikipedia

The rotary engine—often called the Wankel engine after its inventor, Dr. Felix Wankel—is a



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powerful alternative to the piston engine and an important part of Mazda's signature performance heritage.

## 13B Engine Specs | It Still Runs

Rotary engines were first developed in the early 1960s, and Mazda was on the cutting edge of installing them in its vehicles. It functions as follows: Relies on a single chamber, as

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opposed to individual  
Rotary Engine  
chambers on  
Mazda Rx8  
traditional gasoline  
Renesis Rx7  
engines

## A Brief History of the Rotary Engine

The General Motors  
Rotary Combustion  
Engine (GMRCE) is an  
internal combustion  
Wankel engine which  
uses a rotary design to  
convert pressure into a  
rotating motion instead  
of using reciprocating  
pistons. In November

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1970, GM paid \$50 million for initial licenses to produce their version of the Wankel rotary engine, and GM President Ed Cole initially projected its release in three years.

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