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Disassembly 2ZR-  
FE Dual VVT-I  
(1800cc) Engine  
corolla 20011 ~~2ZR-~~

*Page 3/77*

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~~FE Engine Sounds~~

Never Buy a

Toyota with This

Engine 2ZR

DualVVTI

engine            Rebuild

with Repair Manual

\u0026 Practically

of Toyota Corolla

xli 1800cc

---

Toyota

Corolla/Matrix 1.8L

chain tensioner

install and tips (2ZR-

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FE) Engine Start |

2ZR-FE DOHC 1.8

16v Dual VVT-i -

Toyota Corolla GLi

Outside view of

Toyota Dual VVT-i

engine. Years 2007

to 2019 Corolla 2ZR-

FE 1.8L Rocker

Arm Failure

Installation And

Cleaning Valve How

to Change Spark

Plugs on the Toyota

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2ZR Engine (xD,  
Corolla, Prius, etc.)

2010 Toyota

Corolla S 2ZR-FE

Mild Mods How to  
Change a PCV

Valve - Toyota 2ZR-  
FE 1.8L How To

2ZR Dual vvti

Engine Fix timing  
chain mark of

toyota corolla XLI

The Dangers Of A  
Bad PCV Valve On

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Your Car 2013

TOYOTA AVENSIS

1.8 VALVEMATIC

ENGINE - 2ZR-FAE

TECHNOLOGY :

TOYOTA 2018

NEW 4 CYL / 2.0

LITER DYNAMIC

FORCE ENGINE

How to kill Toyota

VVT-i engine!

Toyota PCV Valve

Cleaning How to

Replace Toyota

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~~Engine~~  
Corolla VVTI Cam  
Gear T-

SB-0087-09 How to  
do valve gap and  
clearance check

VVT-i engine

Toyota Corolla /  
Matrix Years 2000  
to 2015 ~~2ZR-FE~~

~~Toyota~~\_\_\_\_\_

\_\_\_\_\_. [Rebuild

it!] ~~Toyota Corolla~~

~~1ZR-FE~~ rebuild.

~~Part 1. How Toyota~~



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~~VVT-i system~~

~~works in engine~~

~~Toyota 2ZR-FE~~

~~PCV valve~~

~~replacement 2007~~

TOYOTA AURIS

2ZR-FE ENGINE

2014-2018 Toyota

Corolla 2ZR-FE

1.8L I4 Engine

Idling After Oil

Change \u0026amp;

Spark Plugs How to

Assemble Toyota

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Corolla Dual VVT-i

engine years 2007

to 2018 PART 14

Timing chain

Toyota Corolla

2017 Engine

Review - SE 1.8L

14 How To Replace

And Clean Variable

Valve Timing Oil

Filter Of Toyota

Corolla 1ZR-FE

Engine 1.6L How

To Replace And

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Inspection PCV  
Valve Of Toyota  
Corolla 2ZR-FE Oil  
Change! 2009

Toyota Corolla LE  
1.8 Engine Toyota  
2zr Engine

The ZR engine gaso  
line-engine-family,  
introduced in 2007  
by Toyota Motor  
Corporation, uses a  
DOHC 16-valve  
cylinder head with a

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4-cylinder die-cast block. Engines displace either 1.6-liters, 1.8-liters or 2.0-liters. Most engines in this family are equipped with Toyota's dual VVT-i technology that optimizes both intake and exhaust valve timing.

Toyota ZR engine -  
*Page 12/77*

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Wikipedia

The 2ZR-FXE (2010 - present) is another modification of the 2ZR-FE engine, used mostly in Toyota's hybrid models such as Toyota Prius, C-HR hybrid, Lexus CT200h. This engine features Atkinson cycle

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Engine, VVT-i  
for the intake  
camshaft only,  
13.0:1 compression  
ratio, and cooled  
exhaust gas  
recirculation (EGR)  
system.

Toyota 2ZR-  
FE/FAE/FXE 1.8L  
Engine specs,  
problems ...

The 2ZR engine

*Page 14/77*

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Engine was introduced in 2007 as a replacement for the popular 1ZZ motor. The new engine is an intermediate type in a Toyota ZR range. It is somewhere between a 1.6-liter 1ZR and 2-liter 3ZR.

Toyota 2ZR Engine  
*Page 15/77*

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| Engine, specs,  
problems,  
modifications

The Toyota 2ZR  
are good project  
engines and with  
the ultimate sports  
upgrades like a  
remap, turbo  
improvements and  
camshafts you will  
certainly enhance  
your driving  
enjoyment. This



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pages aim is  
consider 2ZR tuning  
and summarise the  
optimum  
modifications for  
your car. History,  
Power & Specs of  
the Engine 2ZR-FE

All you need to  
know about tuning  
the 2ZR engine  
from Toyota  
The Toyota 2ZR-

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Toyota 2zr

FE is a DOHC, 16 valve, 1.8 L (1797 cc) engine also equipped with Dual VVT-i. This all-new engine is now replacing the 1ZZ-FE engine in most applications.

Toyota ZR engine -

Toyota Wiki

The ZR engine

family, introduced

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in 2007 by Toyota Motor Corporation, uses a DOHC 16-valve cylinder head with a 4-cylinder die-cast block. Engines displace either 1.6-liters, 1.8-liters or 2.0-liters. All engines in this family are equipped with Toyota's dual VVT-i technology

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that optimizes both intake and exhaust valve timing.

Toyota engines -  
Toyota ZR engine -  
Motor Car History  
Toyota 2ZR Engine  
| Turbo, specs,  
problems,  
modifications  
The  
Toyota 2ZR-FE is a  
DOHC, 16 valve,  
1.8 L (1797 cc)

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Engine also equipped with Dual VVT-i. This all-new engine is now replacing the 1ZZ-FE engine in most applications. Toyota ZR engine - Toyota Wiki Complete ultra low mile Toyota 2ZR-FE 1.8L engine. These engines are inspected for

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Engine and  
function and have  
20-50k miles on  
them ...

Toyota 2zr Engine -  
[bc-falcon.deity.io](http://bc-falcon.deity.io)  
Complete ultra low  
mile Toyota 2ZR-  
FE 1.8L engine.  
These engines are  
inspected for  
integrity and  
function and have

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20-50k miles on  
them- practically  
new by Toyota  
standards.

Toyota 2ZR-FE  
Engine – Used  
20-50k miles |  
Monkeywrench  
Racing  
Toyota 2ZR engine  
modifications and  
differences. 1. The  
2ZR-FE model

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Toyota 2zr

(2007 – present) is a basic engine having a 10 compression ratio. Its power varies from 128 HP to 134 HP. It is mounted in Toyota Allion, Corolla, Premio, Auris, Yaris, Matrix, Scion xD, Pontiac Vibe, and Lotus Elise. 2. The 2ZR-FAE type



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Toyota 2zr

(2009 – present)  
resembles the 2ZR-  
FE. Toyota 2ZR  
Engine | Turbo,  
specs, problems ...

Toyota 2zr Fe  
Engine Details  
The best engine of  
ZR series -  
completely  
traditional, devoid  
of Valvematic  
excesses and not

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yet convicted of serious defects. •  
The main design differences - in the cylinder head - the traditional valvetrain is installed (DVVT, timing variation range -  $43^\circ / 40^\circ$  ).

Toyota ZR series engines

The Exige S (and

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Engine (other supercharged  
Exige models)

increase the power  
of the 2ZZ-GE  
engine through the  
fitment of a  
supercharger and  
intercooler above  
the engine. The  
intercooler is then  
fed cool air by the  
roof scoop, which is  
blanked off in the  
non-supercharged

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Engines, but opened  
up for the S.

Toyota engines -  
TechWiki

Home / Toyota

Corolla & Matrix

09+ / Engines,

Heads & Blocks /

Complete Built

Engines / MWR

Complete Built

Engine – Toyota

2ZR-FE. MWR

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Complete Built

Engine – Toyota

2ZR-FE \$ 2,495.00.

Camshafts \*

Compression Ratio:

\* Connecting Rods:

\* Core Charge \*

Crankshaft \* Port

Work \* Liftgate ...

MWR Complete

Built Engine –

Toyota 2ZR-FE |

Monkeywrench ...

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Title: Toyota 2zr  
Fe Engine Manual  
Service Keywords:  
Toyota 2zr Fe  
Engine Manual  
Service Created  
Date: 11/3/2014  
1:55:59 PM As  
recognized,  
adventure as  
skillfully as  
experience  
approximately  
lesson, amusement,

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as competently as  
treaty can be gotten  
by just checking out  
a book 1zr Engine  
Repair [EPUB] 1zr  
Engine Repair  
Manual The 2ZR-FE  
was a 1.8-litre four-  
cylinder petrol  
engine that was a ...

Toyota 2zr Fe  
Engine Manual  
Service

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**DESCRIPTION** The newly developed 2ZR-FE engine is an in-line 4-cylinder, 1.8-liters, 16-valve DOHC engine. This engine uses the Dual VVT-i (Variable Valve Timing-intelligent) system, DIS (Direct Ignition System) and ETCS-i



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(Electronic Throttle  
Control System-  
intelligent).

ENGINE -

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points.

Comprehending as

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Engine competently as  
harmony even more  
than ...

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ENGINE Engine

code 2ZR-FXE

Type Four-cylinder,

in-line Valve

mechanism DOHC

16-valve with VVT-

i Fuel system

Electronic fuel

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## Toyota 2zr

### Injection

Displacement (cc) 1,798 Compression ratio 13.04:1 Bore x stroke (mm) 80.5 x 88.3 Max. engine output (bhp/kW @ rpm) 97/72 @ 5,200 Max. engine torque (Nm @ rpm) 142 @ 3,600 Total hybrid system output (bhp/kW @ rpm) 120/90 @

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5,200 ELECTRIC  
MOTOR Type  
Permanent ...

TECHNICAL  
SPECIFICATIONS  
ENGINE Engine  
code 2ZR-FXE  
Toyota 2ZR really  
good project  
engines and with a  
few sensible  
motorsport parts  
like remapping,

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Engine improvements  
and camshafts you  
will greatly  
increase your  
driving enjoyment.

Comprehensive  
tuning guide on the  
2ZR engine from  
Toyota  
Toyota 2ZR Engine  
| Turbo, specs,  
problems,  
modifications How

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to check Toyota 1.8 VVT-i engine timing marks FAST and EASY way How to check Toyota 1.8 VVT-i engine timing marks FAST and ...  
The Toyota 2ZR-FAE is a DOHC, 16-valve, 1.8 L (1,798 cc) this engine adopts the Valvematic system.  
This all- new

# Read Free Toyota 2zr Engine is

progressively  
replacing the 1ZZ-  
FED and 2ZR-FE  
engine in most  
applications.

Variants ...

Engine Timing 2zr |  
calendar.pridesourc  
e

The 2ZR-FE was a  
1.8-litre four-  
cylinder petrol



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Engine that was a member of Toyota's 'ZR' engine family. Key features for the 2ZR-FE engine included its aluminium alloy cylinder block and head, offset crankshaft, double overhead camshafts, four valves per cylinder actuated by roller

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Toyota 2zr  
Engine  
rocker arms and  
dual VVT-i.

This book focuses  
*Page 42/77*

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**Engine** transport and mobility essential to the modern world. It discusses internal combustion engines (ICEs) and alternatives like battery electric vehicles (BEVs) which are growing fast. Alternatives to ICEs start from a very low base and

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face formidable environmental, material availability, and economic challenges to unlimited and rapid growth. Hence ICEs will continue to be the main power source for transport for decades to come and have to be continuously improved to

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Engine transport sustainability. The book highlights the need to assess proposed changes in the existing transport system on a life cycle basis. The volume includes chapters discussing the challenges faced by ICEs as well as chapters on novel

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fuels and fuel/  
engine interactions  
which help in this  
quest to improve  
the efficiency of  
ICE and reduce  
exhaust pollutants.  
This book will be of  
interest to those in  
academia and  
industry alike.

The volume  
includes selected

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Engine

and reviewed  
papers from the 3rd  
Conference on  
Ignition Systems  
for Gasoline  
Engines in Berlin in  
November 2016.

Experts from  
industry and  
universities discuss  
in their papers the  
challenges to  
ignition systems in  
providing reliable,

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Engine ignition in the light of a wide spread in mixture quality, high exhaust gas recirculation rates and high cylinder pressures. Classic spark plug ignition as well as alternative ignition systems are assessed, the ignition system



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being one of the key technologies to further optimizing the gasoline engine.

Electric and Hybrid Vehicles: Power Sources, Models, Sustainability, Infrastructure and the Market reviews the performance, cost, safety, and sustainability of

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Engine systems for hybrid electric vehicles (HEVs) and electric vehicles (EVs), including nickel-metal hydride batteries and Li-ion batteries.

Throughout this book, especially in the first chapters, alternative vehicles with different

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power trains are compared in terms of lifetime cost, fuel consumption, and environmental impact. The emissions of greenhouse gases are particularly dealt with. The improvement of the battery, or fuel cell, performance and governmental

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incentives will play a fundamental role in determining how far and how substantial alternative vehicles will penetrate into the market. An adequate recharging infrastructure is of paramount importance for the diffusion of vehicles powered by

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batteries and fuel cells, as it may contribute to overcome the so-called range anxiety." Thus, proposed battery charging techniques are summarized and hydrogen refueling stations are described. The final chapter reviews the state of the art of

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the current models of hybrid and electric vehicles along with the powertrain solutions adopted by the major automakers.

Contributions from the worlds leading industry and research experts  
Executive summaries of

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Engine  
specific case  
studies Information  
on basic research  
and application  
approaches

The fast growth in  
world population  
and the associated  
energy  
requirements, the  
announced  
depletion of fossil  
fuel resources, the

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Continuing rise in greenhouse gas (GHG) emissions with the induced climatic changes represent some of the major challenges to be taken up in the coming years and decades.

Hybridization therefore typically represents a



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technology which can significantly improve the energy and environmental performance of current vehicles, without radically changing their use typologies, while opening the way to new propulsion modes for the longer term. It is

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Engine nevertheless a complex subject requiring a multidisciplinary approach. This book, which is intended to be exhaustive, considers the vehicle, its components, their association and their control, as well as the global

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determined over the vehicle lifetime. It starts with a general presentation of the various conditions of use of vehicles, to give readers an understanding of the stakes related to the development of hybrid vehicles and the methods

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Engine used to compare the performance of the various solutions. The principles and the various types of internal combustion engine and electrical drives, onboard energy storage systems, principles, architectures, specific components

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Engines  
and operation of hybrid drivetrains, as well as the energy management in these vehicles, are developed. A global analysis of the various drivetrains life cycle assessment (LCA), total costs and availability of sensitive materials is also provided.

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**Engine** This book is intended for everyone involved in the design, manufacture and implementation of hybrid drive vehicles and their components. It will also be of interest to students, teachers and researchers wishing to acquire or

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Engine further their knowledge in all fields impacted by drivetrain electrification. More globally, after consulting this book, readers will be in a position to evaluate the technologies related to the concept of drivetrain hybridization, their

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Implementation,

balances and

generalization

conditions. This

book is available in

French Under the

title "V é hicules

hybrides". Contents

: 1. Vehicle use. 2.

Internal combustion

engines. 3. Electric

drivetrain. 4. On-

board energy

storage systems. 5.



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Hybridization. 6.

Control of hybrid  
vehicles. 7.

Comparative study  
of hybrid vehicles:  
greenhouse gas  
emissions, energy  
consumption, and  
cost. Appendixes.

Intelligent Control  
of Connected Plug-  
in Hybrid Electric  
Vehicles presents

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the development of real-time intelligent control systems for plug-in hybrid electric vehicles, which involves control-oriented modelling, controller design, and performance evaluation. The controllers outlined in the book take advantage of

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Advances in vehicle communications technologies, such as global positioning systems, intelligent transportation systems, geographic information systems, and other on-board sensors, in order to provide look-ahead trip data. The book

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**Engines** simple and efficient models and fast optimization algorithms for the devised controllers to address the challenge of real-time implementation in the design of complex control systems. Using the look-ahead trip information, the authors of the book

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**Engine** propose intelligent optimal model-based control systems to minimize the total energy cost, for both grid-derived electricity and fuel. The multilayer intelligent control system proposed consists of trip planning, an ecological cruise

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controller, and a route-based energy management system. An algorithm that is designed to take advantage of previewed trip information to optimize battery depletion profiles is presented in the book. Different control strategies

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Engine compared and ways in which connecting vehicles via vehicle-to-vehicle communication can improve system performance are detailed. Intelligent Control of Connected Plug-in Hybrid Electric Vehicles is a useful source of

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Engine information for postgraduate students and researchers in academic institutions participating in automotive research activities. Engineers and designers working in research and development for automotive



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Companies will also find this book of interest. Advances in Industrial Control reports and encourages the transfer of technology in control engineering. The rapid development of control technology has an impact on all areas of the control

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discipline. The series offers an opportunity for researchers to present an extended exposition of new work in all aspects of industrial control.

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全球新訊  
避震器改造特輯

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想開快先蹲好馬步！

Part.1避震器如何避震？

Part.2彈簧很重要嗎？

Part.3減震筒解構剖析

Part.4軟硬阻尼設定

Part.5競技版避震器

素人全手作Nissan

RPS13 Drift Car

Subaru Impreza

WRX STI「GRV」無

偷輕的加速怪獸

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11代Altis Turbo改  
神車渦輪化成功

Toyota 3 Gen.Vios  
4AT 5MT廝殺雪邦眾  
多高手 全台最強-

Infiniti QX70 100-2  
00km/h：9.08秒達成  
動力方向機油更換  
多久沒換Power油了  
？ 雨季對策

Part1.雨季開車10招  
雨季對策

Part2.雨季備用精品  
BCRK台灣柏釧小型賽

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