

OEM PARTS <http://www.toyotapartszone.com/> <http://www.lexuspartsnow.com/>
<http://www.toyotapartseast.com/>

Parts NUMBERS <http://www.megazip.ru/ru/auto/toyota/view/452/4039/40747/392859#g392929>

----Slip yoke for r154 same as any toyota with auto A340E tranny

----Fuel damper removal for upgraded fuel.

----Speedo box. Dakota digital sgi-5 ~85\$

---Alternator soarer 1jz

Black/Yellow:

Used For - Ignition 12V

How Its Hooked Up - 12V Switched Ignition Power Size Fuse Needed - 15amp

White:

Used For - Sense charge

How Its Hooked Up- AM1 Constant Battery Power Size Fuse Needed - 40amp

Yellow with Green Stripe:

Used For - Battery Warning Lamp

How Its Hooked Up- Grounded To Cluster

Size Fuse Needed - 7.5amp

----Codes:

http://www.cygnusx1.net/Supra/TechTips/engine_error_codes.aspx

-----Interchangeable Parts Between The 1JZ And 2JZ

BIC Or OEM Engine Brackets

2JZ-GTE Head Gasket (MUST USE HEAD GASKET SELECTION STEPS

Coil Packs

Spark Plugs

Water Pump

Water Pump Rear Housing O-Ring

Gasket On Rear Water Pump Housing For Brass Coolant Pipe That Runs Around The Block

Serpentine Belt Tensioner

Power Steering Pump

A/C Compressor

Alternator

Crank Pulley

Water Pump Pulley

Alternator Pulley

Power Steering Pump Pulley

2JZ-GTE Oil Pump (Must Have Crank Position Sensor Hole)

Both Oil Pump To Block O-Rings

Upper And Lower Oil Pan

Timing Belt Hydraulic Tensioner

Timing Belt Idler Pulley

Timing Belt Crank Gear
Cam Gears
Cam Gear Dowel Pin
Cam Position Sensor
Crank Position Sensor
Knock Sensors
Intake Air Temperature Sensor (After Changing Electrical Connector)
Map Sensor
Throttle Position Sensor
JDM Aristo 2JZ 440cc Injectors
USDM 550cc Injectors With Resistor Pack Wired In
2JZ-GE PCV Valve (Works Better, Replaces The Special "S" Hose To A 90 Degree Hose)
2JZ PCV Valve Grommet
Turbo Oil Drain Gasket
Water Pump Pipe O-Rings (Not The Pipe Itself, 1JZ Pipe Is Shorter Than The 2JZ)
Upper Water Neck Gasket To Head
Thermostat
Thermostat O-Ring
Lower Radiator Hose Neck On Water Pump Rear Housing
Oil Filter Housing To Block O-Ring
Oil Cooler Internal O-Rings, Gasket And Crush Washer
ARP Head Studs (Uses 13MM Or 1/2" 12 Point Deep Socket; 1/2" Fits Much Better)
ARP Main Studs
ARP Rod Bolts
Toyota Head Bolts <--From 2JZ-GTE Or 2JZ-GE (USE 10MM 6-Point Hex For Removal) Proof
Toyota Main Bearing Cap Bolts<--From 2JZ-GTE Or 2JZ-GE
Toyota Rod Bolts<--From 2JZ-GTE Or 2JZ-GE
ATI Crank Pulley
Aftermarket Springs And Retainers
Buckets And Shims
Valve Keepers
Main Bearings
Connecting Rod Bearings
Thrusts Washers
Front Main Seal
Rear Main Seal
Oil Cap
----Specific 1JZ Parts
Exhaust Gaskets
Upper And Lower Intake Manifold Gaskets
Upper And Lower Intake Manifold
Throttle Body
Throttle Body Gasket
Exhaust Manifold
Idle Speed Control Valve
Camshafts
Crankshafts
Pistons

Connecting Rods

Cams

Timing Belt Idler Pulley Bracket (2JZ Pulley Bracket Tensions At A Different Angle = Different)

Timing Belt

Valve Covers

1JZ Cam Gear Cover

1JZ Lower Timing Belt Cover

1JZ Coil Pack Cover

1JZ Oil Cooler Coolant Hoses

1JZ-GTE Twin Turbo Downpipe Flange

1JZ Parts From Other Vehicles

Timing Belt = Same As 137 Teeth 1988+ Isuzu Trooper 4 Cylinder 2.6 Liter Engine (4ZEL) Belt Thanks Hvyman!

Cam Seals = Two Choices Available

Cam Seals From A 1995 Toyota Camry V6

Front Main Seal From A 2003 Toyota Highlander Toyota Part Number 90311-38084

1JZ Intake Side Valve Seals : 90913-02090 (NOT THE SAME AS 2JZ)

1JZ Exhaust Side Valve Seals : 90913-02089 (NOT THE SAME AS 2JZ) SAME AS 91-97 4A-FE/7A-FE Exhaust Side Seals

1JZ Part cross reference

Cooling System

Toyota Part number - Description

16400-46210 - Radiator (for hydro fan)

16371-46020 - Water pump Pulley (non hydraulic fan)

16361-46060 - Water Pump Mechanical Fan

16210-46030 - Water Pump fan clutch

16100-49845 - Water pump (non hydraulic fan)

16912-46020 - Hydraulic Fan (Shroud)

16960-46020 - Hydraulic Fan (motor)

16911-46010 - Hydraulic Fan (Fan)

16929-46010 - Hydraulic Fan (Actuator Solenoid)

89429-32010 - Hydraulic Fan (Temperatue probe)

16913-46020 - Hydraulic Fan (Fan bracket)

89257-14010 - Hydraulic Fan (ECU)

16939-46010 - Hydraulic Fan (Waterpump Pulley)

16090-49017 - Hydraulic Fan (Waterpump)

16927-46020 - Hydraulic Fan (High pressure line)

16571-46030 - Upper Radiator Hose

16572-46100 - Lower Radiator Hose

90916-03092- Thermostat

Engine Mechanical

Toyota Part number - Description

13101-88400 - Pistons
13201-46030 - Rods
13011-88400 - Rings – full set
11704-46020 - Bearings – crankshaft
13204-46020 - Bearings – connecting rod
15100-46030 - Oil Pump
11115-88410 - Head Gasket
04111-46032 - Engine Gasket kit
90910-02102 - Head Bolts
90201-11018 - Head bolt washer
17177-88400 - Intake manifold gasket (to head)
17179-88400 - Intake manifold gasket (to manifold)
17173-88400 - Exhaust manifold gasket (need 2)
11213-88400 - Cam cover gaskets Intake
11213-88400 - Cam cover gaskets Exhaust
90105-06133 - Cam Cover bolts x16
90210-07001 - Cam Cover bolt washer x16
90916-02305 - Serpentine Belt
13568-49025 - Timing Belt
16620-46020 - Serpentine belt tensioner

Engine Peripherals

Toyota Part number - Description

78180-1B090 - Throttle cable
12361-42050 - 89+ Motor mounts
12315-88400 - Engine Brakcet LH
12311-88400 - Engine Brakcet RH

Drivetrain

Toyota Part number - Description

13405-46030 - Flywheel
90910-02103 - Flywheel bolts
31250-14183 - Clutch Pressure plate
90363-12002 - Clutch Pilot bearing
90363-45012 - Clutch Throw out baring
90119-08302 - Clutch pressure plate bolts
31111-14110 - Bellhousing
33403-29135 - Speedometer drive gear for 4.1 diff

Power Steering

Toyota Part number - Description

44403-14020 - Power Steering high pressure line
90401-16014 - Power Steering Union Bolt
04446-30120 - Power steering pump gasket kit

44320-14231 - Power steering pump

Engine Electrical

Toyota Part number - Description

89420-24040 - Map sensor (1JZ)

89421-12111 - Map sensor (2JZ)

89615-22040 - Knock sensor

90919-05006 - Crank position sensor

90919-05007 - Cam position sensor

89452-22080 - Throttle position sensor

89424-28010 - Intake air temp sensor

89422-20010 - Water temp sensor

89465-29435 - O2 Sensor

89621-22030 - Igniter

27060-46010 - Alternator

22270-46070 - Idle speed control valve

S13 spring rates

Spring Rates lb/in to kg/mm .017857

RSR Race Springs

Front: 279 lb/in | 5 kg/mm | 1.4"

Rear: 251 lb/in | 4.5 kg/mm | 1.2"

Eibach ProKit (Progressive)

Front: 114-200 lb/in | 2-3.6 kg/mm | 1.8"

Rear: 114-148 lb/in | 2-2.65 kg/mm | 1.6"

Eibach Sportlines (Progressive)

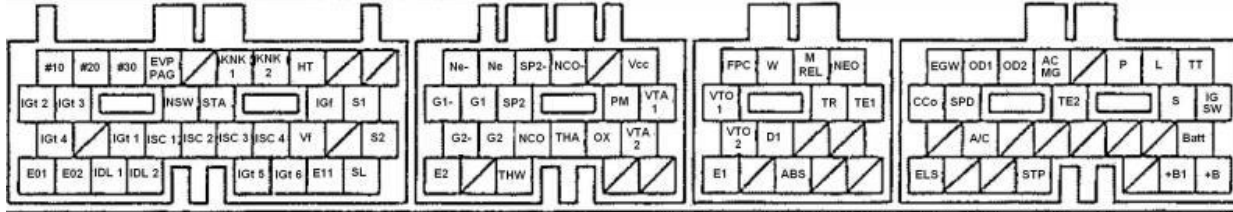
Front: 137-230 lb/in | 2.45-4.1 kg/mm | 2.2"

Rear: 128-200 lb/in | 2.3-3.6 kg/mm | 2.1"

Tein S.Tech

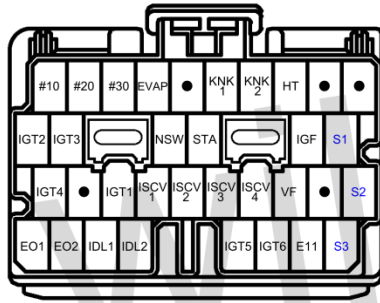
Front = 3.7 kg/mm | 207 lb/in | 1.5"

Rear = 3.2 kg/mm | 179 lb/in | 1.2"

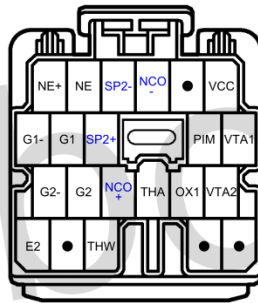


JZZ30 1JZ-GTE

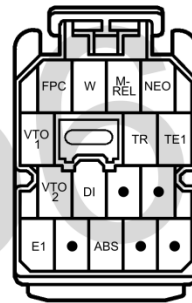
Note: Blue Text Indicates Terminals Related to Automatic Transmission Functions Only



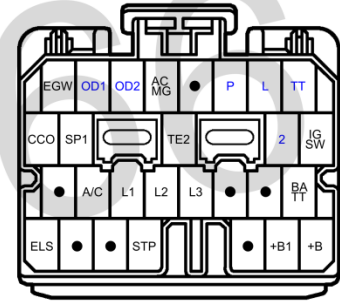
C88
90980-11221



C84
90980-11220

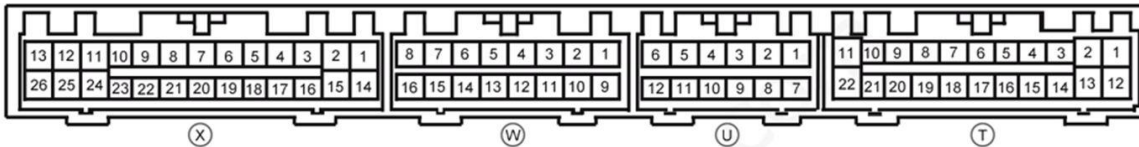


C85
90980-11219



C86
90980-11218

1JZGTE ECU Pinouts - turbosupras.com

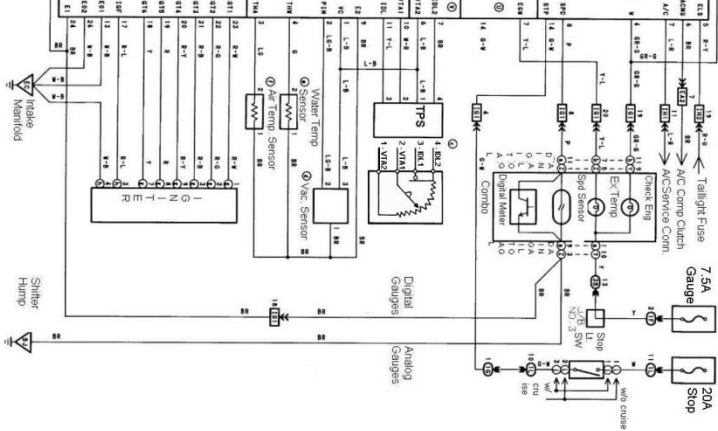
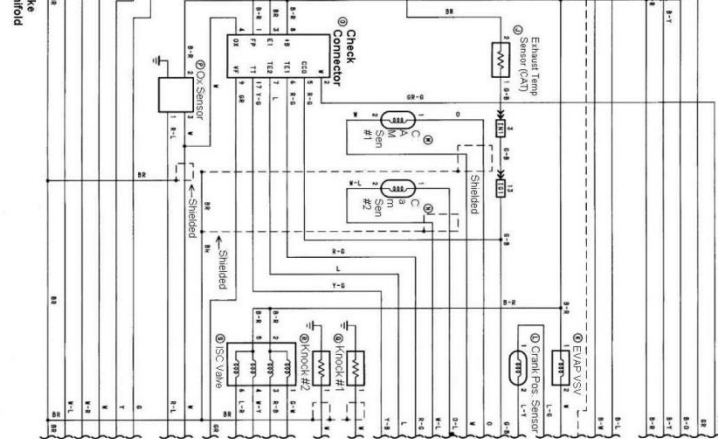
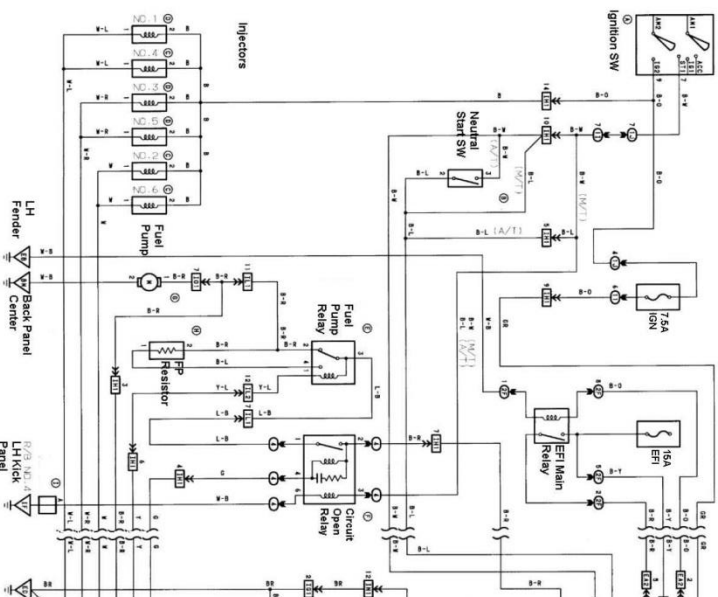


- 1 - HT - Oxygen Sensor Heater
- 2
- 3
- 4 - ISC4
- 5 - ISC3
- 6 - ISC2
- 7 - ISC1
- 8
- 9
- 10
- 11 - #20 - Injectors 3,5
- 12 - #10 - Injectors 1,4
- 13 - E01 - Earth, Manifold
- 14 - FC - 7 to Circuit Open Relay
- 15 - VF - Diag
- 16 - FP - Fuel Pump
- 17 - IGF - RPM1
- 18 - IGT6
- 19 - IGT5
- 20 - IGT4
- 21 - IGT3
- 22 - IGT2
- 23 - IGT1 - RPM2
- 24 - E1 - Ground
- 25 - #30 - Injectors 2,6
- 26 - E02 - Earth, Manifold

- 1 - VC - Vac Sensor
- 2 - PIM - Vac Sensor
- 3 - THA - Air Temp
- 4 - THW - Water Temp
- 5 - OX - Oxygen Sensor
- 6 - KNK1 - Knock Sensor 1
- 7 - TE1 - Check Connector
- 8 - TT - Check Connector
- 9 - E2 - Earth for 1,2,3,4
- 10 - VTA1 - Throttle
- 11 - IDL - Idle Control
- 12
- 13
- 14 - KNK2 - Knock Sensor 2
- 15 - TE2 - Check Connector
- 16

- 1
- 2
- 3 - EVP - VSV(EVP)
- 4 - G2 - Cam Pos Sensor 2 (Shielded)
- 5 - G1 - Cam Pos Sensor 1 (Shielded)
- 6 - NE - Crank Sensor (Shielded)
- 7 - EGW - Exhaust Temp Light
- 8 - CCO - Exhaust Temp Sensor
- 9
- 10 - G2 - Cam Pos Sensor 2 (Shielded)
- 11 - G1 - Cam Pos Sensor 1 (Shielded)
- 12 - NE - Crank Pos Sensor (Shielded)

- 1 - BT - Switched Power
- 2 - BATT - Battery
- 3 - M-REL - Switched Ground though EFI Relay
- 4 - W - Check Engine Light
- 5 - ELS - Taillight?
- 6 - ACMG - A/C Clutch Switch
- 7 - A/C - A/C Control
- 8 - SPD - Speed Sensor
- 9
- 10
- 11 - STA - Neutral Start Switch for A/T
- 12 - +B - Switched Power
- 13 - IG SW - Ignition Switch AM2
- 14 - STP - Stop Signal
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22 - NSW - Start Control from AM1



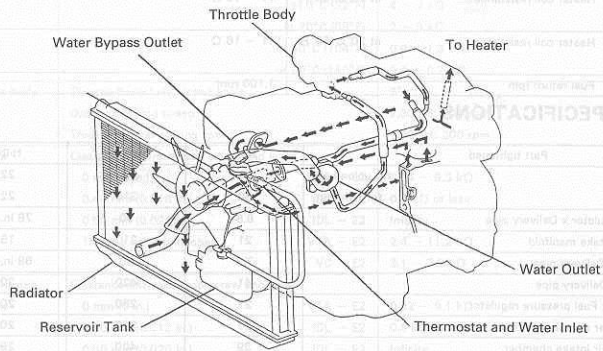
COOLING SYSTEM

DESCRIPTION

This engine utilizes a pressurized forced circulation cooling system which includes a thermostat equipped with a bypass valve mounted on the inlet side.

OPERATION

2JZ-GE



2JZ-GTE

