

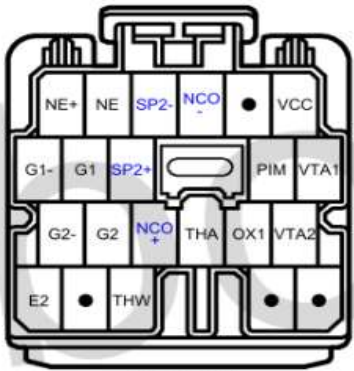
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JZZ30 Pinout Chapter 1 Page 1

Pins in blue are for automatic transmission only

Look for Chapter 2 for extended explanations

<u>PIN</u>	<u>CODE</u>	<u>NAME</u>	<u>FUNCTION</u>
1	/	/	/
2	/	/	/
3	HT	Oxygen Sensor Heater	Heater ground
4	KNK2	No2 Knock Rear	Knock
5	KNK1	No1 Knock Front	Knock
6	/	/	/
7	EVAP	Evaporative VSV	EVAP VSV on/off
8	#30	No. 3 Injector Output	Injector 2 and 6
9	#20	No. 2 Injector Output	Injector 3 and 4
10	#10	No. 1 Injector Output	Injector 1 and 6
11	S1	AT No.1 Shift Solenoid	AT No 1 Solenoid Control
12	IGF	Igniter Verification Signal	Ignition verification
13	STA	Starter Signal	Alert ECU of starting condition
14	NSW	Neutral & Park Switch	Check for Park or Nuetral
15	IGT3	Igniter 3	Cylinder 3
16	IGT2	Igniter 2	Cylinder 2
17	S2	AT No.2 Shift Solenoid	AT No 2 Solenoid Control
18	/	/	/
19	VF	Voltage Feedback	VF signal (fuel trim)
20	ISCV4	Idle Speed Control Valve	Idle Control Stepper Motor
21	ISCV3	Idle Speed Control Valve	Idle Control Stepper Motor
22	ISCV2	Idle Speed Control Valve	Idle Control Stepper Motor
23	ISCV1	Idle Speed Control Valve	Idle Control Stepper Motor
24	IGT1	Igniter 1	Cylinder 1
25	/	/	/
26	IGT4	Igniter 4	Cylinder 4
27	S3	AT No. 2 Shift Solenoid	AT No 3 Solenoid Control
28	E11	ECU Ground	Ground
29	IGT6	Igniter 6	Cylinder 6
30	IGT5	Igniter 5	Cylinder 5
31	IDL2	Traction Control Idle	Traction Idle fully open
32	IDL1	TPS Idle	Traction Idle fully closed
33	E02	ECU Ground	Ground
34	E01	ECU Ground	Ground



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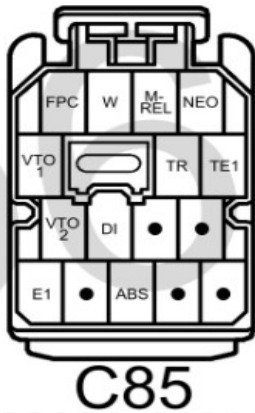
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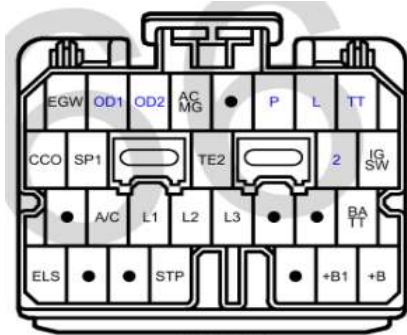
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<u>PIN</u>	<u>CODE</u>	<u>NAME</u>	<u>FUNCTION</u>
1	VCC	+5V Regulated Power	5V out to MAP Sensor TPS ETC
2	/	/	/
3	NCO-	Over Drive Direct Clutch Speed Sensor	This pin is used to detect the speed of the automatic transmission OD input shaft.
4	SP2-	No. 2 Speed Sensor	This pin is used to determine vehicle speed.
5	NE	Crank position sensor	This pin is used to detect the speed and location of the engine crankshaft.
6	NE-	Crank position sensor	This pin is used to detect the speed and location of the engine crankshaft.
7	VTA1	Throttle Position Sensor	This pin is used to detect the position of the engine throttle.
8	PIM	Pressure Intake Manifold (MAP Sensor)	This pin is used to determine the manifold air pressure (MAP).
9	SP2+	No. 2 Speed Sensor	This pin is used to determine vehicle speed.
10	G1	Cam Position Sensor No.1 (Front)	This pin is used to detect the location of the intake camshaft.
11	G1-	Cam Position Sensor No.1 (Front)	This pin is used to detect the location of the intake camshaft.
12	VTA2	Traction Control Throttle Position Sensor	This pin is used to detect the position of the traction control throttle.
13	OX1	Oxygen Sensor	This pin is used to determine the exhaust gas air fuel ratio.
14	THA	Intake Air Temperature Sensor	This pin is used to measure the temperature of the engine inlet manifold air.
15	NCO+	Over Drive Direct Clutch Speed Sensor	This pin is used to detect the speed of the automatic transmission OD input shaft.
16	G2	Cam Position Sensor No.2 (Rear)	This pin is used to detect the location of the intake camshaft.
17	G2-	Cam Position Sensor No.2 (Rear)	This pin is used to detect the location of the intake camshaft.
18	/	/	/
19	/	/	/
20	THW	Water temperature	Coolant temperature sensor
21	/	/	/
22	E2	Sensor Ground	Sensor ground.



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<u>PIN</u>	<u>CODE</u>	<u>NAME</u>	<u>FUNCTION</u>
1	NEO	Slave Engine Speed Sensor	This pin is used to supply a copy of the engine speed (NE) signal to the traction control ECU.
2	M-REL	EFI Main Relay	This pin is used to turn ON the Main EFI Relay which feeds power to the fuel pump, engine ECU, ISCV, engine VSVs and O2 sensor heater circuits, etc.
3	W	Engine Warning Light (Check Engine Light)	This pin is used to turn ON / OFF the check engine light.
4	FPC	Fuel Pump Control	This pin is used to signal the desired fuel pump speed to the Fuel Pump ECU.
5	TE1	Test mode select 1	This pin is used to select the test mode during which diagnostic codes are flashed on the check engine light .
6	TR	Timing Retard	This pin is used as a signal to request that the engine ECU retard engine ignition timing.
7	VTO1	Slave Throttle Position Sensor	This pin is used to supply a copy of the analogue throttle position signal (VTA1) to the traction control ECU.
8	/	/	/
9	/	/	/
10	DI	Diagnostic Indication - Fuel Pump Control	This pin is used to determine if the Fuel Pump ECU is healthy.
11	VTO2	Slave Traction Control Throttle Position Sensor	This pin is used to supply a copy of the analogue traction control throttle position (VTA2) signal to the traction control ECU.
12	/	/	/
13	/	/	/
14	ABS (MT only)	ABS Activated?	It is suspected that this pin is used to determine when the ABS is active and retard engine timing.
15	/	/	/
16	E1	ECU Ground	Ground



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<u>PIN</u>	<u>CODE</u>	<u>NAME</u>	<u>FUNCTION</u>
1	TT	Test Terminal	Test diagnostic output
2	L	L Gear Indication	Automatic transmission sense in L position
3	P	Power / Normal Auto	Power switch for automatic transmission
4	/	/	/
5	ACMG	AC clutch on	This pin is used to turn the AC magnetic clutch relay ON.
6	OD2	Over Drive Disable 2	Disable overdrive with a switch
7	OD1	Over Drive Disable 1	Disable overdrive via cruise control
8	EGW	EGT Warning Light	Turn on off EGT light (JDM)
9	IGSW	Ignition Switch	This pin is used to determine if the ignition is ON.
10	2	Transmission Indicator	Determine transmission in 2nd gear
11	TE2	Test mode select 2	This pin is used to select the test mode during which diagnostic serial data is sent out the VF1 pin.
12	SP1	No.1 Speed Sensor	This pin is used to determine vehicle speed.
13	CCO	Cat temperature sensor	Measure catalytic converter temperature (JDM)
14	BATT	Battery Power	Constant battery power
15	/	/	/
16	/	/	/
17	L3	Throttle Position	Digital TPS signal
18	L2	Throttle Position	Digital TPS signal
19	L1	Throttle Position	Digital TPS signal
20	A/C	AC Request	The ECU can disable AC in some conditions
21	/	/	/
22	+B	EFI Main Relay Switched	Switched battery power 12v
23	PIN	EFI Main Relay Switched	Switched battery power 12v
24	/	/	/
25	STP	Stop Light Switch	Brake pedal sense
26	/	/	/
27	/	/	/
28	ELS	Electrical Load Sense	This pin is used to signal that heavy electrical loads are ON (e.g. rear demister).