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**JDM RX-7 ECU PINOUT - 89-91 SERIES 5 TURBO
(Looking From Wire Side)**

3Y	3W	3U	3S	3Q	3O	3M	3K	3I	3G	3E	3C	3A
3Z	3X	3V	3T	3R	3P	3N	3L	3J	3H	3F	3D	3B

2O	2M	2K	2I	2G	2E	2C	2A
2P	2N	2L	2J	2H	2F	2D	2B

1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

3A	B	W	B/W	GROUND
3B	B	W	B/W	GROUND
3C	B		B/W	GROUND
3D	BR	B	BR/B	GROUND
3E	L		L	CRANK SIGNAL NE (+)
3F				EMPTY
3G	W		W	CRANK SIGNAL G (+)
3H	R		R	CRANK SIGNAL G (-)
3I				SPLIT AIR SOL VALVE (NOT ON JDM)
3J				ACCEL WARM UP SOL VALVE (NOT ON JDM)
3K	BR		BR	CIRCUIT OPENING RELAY
3L	W	G	W/G	HEADLIGHT SW (ELEC LOAD)
3M	L	O	L/O	PRES REG CONTROL SOL VALVE
3N	G	R	G/R	EC AT CONTROL UNIT
3O	Y	B	Y/B	BLOWER MOTOR SWITCH
3P	W	L	W/L	REAR DEFROST SW
3Q	L	G	L/G	BYPASS AIR CNTRL SOL VALVE (ISC)
3R	L	W	L/W	TURBO BOOST CTRL PRES VALVE
3S	B	O	B/O	STEPPER MOTOR OMP
3T	B	L	B/L	STEPPER MOTOR OMP
3U	B	LG	B/LG	STEPPER MOTOR OMP
3V	B	R	B/R	STEPPER MOTOR OMP
3W	LG		LG	INJECTOR FRNT PRI
3X	LG	W	LG/W	INJECTOR FRNT SEC
3Y	LG	B	LG/B	INJECTOR REAR PRI
3Z	LG	R	LG/R	INJECTOR REAR SEC

2A	G	R	G/R	OIL METERING PUMP POS
2B	G		G	AIR FLOW METER SIGNAL
2C	B		B	O2 SENSOR
2D				EMPTY
2E	G	W	G/W	WATER TEMP SENSOR
2F	G	R	G/R	THROTTLE SENSOR (NARROW)
2G	B	G	B/H	THROTTLE SENSOR (FULL)
2H	G	Y	G/Y	PRESSURE SENSOR
2I	BR	W	BR/W	SENSOR 5VDC SUPPLY (VREF)
2J	BR	R	BR/R	MILAGE SENSOR 2
2K	G	O	G/O	AIR TEMP (ON MAF)
2L	G		G	AIR TEMP (ON ENGINE)
2M	W		W	KNOCK SENSOR
2N	L		L	PORT AIR SOL VALVE
2O	L	R	L/R	SWITCH SOL VALVE
2P	L	Y	L/Y	RELIEF SOL VALVE

1A	L	R	L/R	BATTERY POWER
1B	B		B/W	MAIN RELAY PWR TO ECU
1C	BR	R	BR/R	IGNITION SWITCH
1D	Y		Y	SELF DIAG CHECKER (LAMP)
1E				CEL (NOT ON JDM)
1F	Y	B	Y/B	SELF DIAG CHECKER (CODE)
1G	L	Y	L/Y	IGN COIL TRAILING
1H	G	Y	G/Y	IGN COIL LEADING
1I	O		O	TEST CONNECTOR PIN 1
1J	BR	Y	BR/Y	TRAILING TOGGLE SIGNAL
1K	G	R	G/R	FUEL PUMP RSTR. RELAY
1L	L	W	L/W	AC RELAY OUTPUT
1M	L	B	L/B	MILAGE SENSOR 1
1N	LG	B	LG/B	POWER STEERING SW
1O	L	O	L/O	AC SWITCH
1P	B	Y	B/Y	HEAT HAZARD SENSOR
1Q	Y	L	Y/L	CLUTCH SWITCH
1R	G	B	G/B	NEUTRAL SWITCH
1S	R	B	R/B	FOG LIGHT SWITCH (ELEC LOAD DETECT)
1T	B	L	B/L	BACK UP LIGHT AND 5TH SWITCH
1U	BR	R	BR/R	GROUND
1V	L	G	L/G	IGN TRAILING CONFIRM SIGNAL