



LCE SDS TUNING PROGRAM FOR STOCK 22RE

ECU TYPE	LCE PRO FUEL / SDS	
VEHICLE	TOYOTA 4Runner	
YEAR	1985	
2WD/4WD	4WD	
ENGINE	22RE	
COMPRESSION RATIO	10.5:1	
CAMSHAFT	stock	
INTAKE MANIFOLD	TOYOTA EFI	
AXLE RATIO		
TIRE SIZE		

BOOST	NO
MAP SENSOR	1 BAR
FUEL TYPE	91 OCTANE
FUEL PSI	33-38 PSI
FUEL INJECTOR	195cc
FUEL PUMP	stock
INTERCOOLER	NO
SPECIAL CONSIDERATIONS	n/a
ORIGINATION OF TUNE	LC ENGINEERING

*Using these maps do so **AT YOUR OWN RISK**, there is no guarantee that these maps will work well for your application, engine damage can occur.

MAN PRES	VAL	RPM FUEL	VAL	ENG TEMP	VAL	RET/MANPR	VAL	RPM IGN	VAL	START	VAL
-28.8	5	500	62	-40	0	-28.8	0	500	15	-40	0
-28.3	5	750	62	-13	0	-28.3	0	750	15	-13	0
-27.9	11	1000	62	5	0	-27.9	0	1000	15	5	0
-27.4	13	1250	64	18	107	-27.4	0	1250	15	18	102
-27	15	1500	67	28	99	-27	0	1500	15	28	82
-26.5	18	1750	73	36	92	-26.5	0	1750	15	36	78
-26	24	2000	74	41	85	-26	0	2000	19	41	70
-25.5	31	2250	76	45	81	-25.5	0	2250	22	45	62
-25	38	2500	79	46	76	-25	0	2500	24	46	57
-24.6	41	2750	82	55	74	-24.6	0	2750	28	55	48
-24.1	46	3000	85	61	70	-24.1	0	3000	31	61	42
-23.6	52	3250	88	64	64	-23.6	0	3250	31	64	39
-23.2	63	3500	91	68	61	-23.2	0	3500	31	68	37
-22.7	66	3750	94	73	51	-22.7	0	3750	31	73	34
-22.2	69	4000	97	77	43	-22.2	0	4000	31	77	30
-21.8	75	4250	100	81	35	-21.8	0	4250	31	81	24
-21.3	78	4500	103	86	28	-21.3	0	4500	31	86	20
-20.8	81	4750	106	93	23	-20.8	0	4750	31	93	16

-20.3	84	5000	108	99	17	-20.3	0	5000	31	99	12	
-19.9	87	5250	112	106	12	-19.9	0	5250	31	106	8	
-19.4	91	5500	115	113	10	-19.4	0	5500	31	113	8	
-18.9	95	5750	117	118	5	-18.9	0	5750	21	118	7	
-18.5	98	6000	122	122	2	-18.5	0	6000	15	122	7	
-18	102	6250	125	126	2	-18	0	6250	12	126	6	
-17.5	105	6500	127	129	1	-17.5	0	6500	12	129	6	
-17.1	109	6750	139	136	1	-17.1	2	6750	12	136	5	
-16.6	113	7000	151	142	0	-16.6	3	7000	12	142	0	
-16.1	117	7250	199	158	0	-16.1	3	7250	12	158	0	
-15.6	123	7500	200	176	0	-15.6	3	7500	12	176	0	
-15.2	129	7750	210	194	0	-15.2	3	7750	12	194	5	
-14.7	132	8000	210	230	2	-14.7	3	8000	12	230	7	
-14.2	135	8250	210	302	40	-14.2	3	8250	12	302	9	
-13.8	138	8500	210			-13.8	3	8500	12			
-13.3	141	8750	210			-13.3	3	8750	12			
-12.8	144	9000	210			-12.8	3	9000	12			
-12.4	148	9250	210			-12.4	3	9250	12			
-11.9	151	9500	210			-11.9	3	9500	12			
-11.4	154	9750	210			-11.4	3	9750	12			
-10.9	157					-10.9	3					
-10.5	160					-10.5	2					
-10	163					-10	1					
-9.54	169	ACCPUMPLORPM=32					-9.54	0				
-9.07	172	ACCPUMPHIRPM=31					-9.07	0				
-8.6	175	ACCPUMPSENSE=5				-8.6	0					
-8.13	181	START CYCLES=31				-8.13	0					
-7.66	185	MAGNET POSITION=81					-7.66	0				
-7.19	188	KNOCK RETARD=2				-7.19	0					
-6.72	190	KNOCK SENSE=8				-6.72	0					
-6.25	192	CL MAP HI=-6.72				-6.25	0					
-5.78	195	CL MAP LO=-15.2				-5.78	0					
-5.31	196	CL RPM HI=3250				-5.31	0					
-4.83	198	CL RPM LO=1500				-4.83	0					
-4.37	200	CLOSED LOOP=OFF				-4.37	0					
-3.9	202	FUELCUT/MANPRESS=NO					-3.9	0				
-3.42	206	FUELCUT/RPM=6250					-3.42	0				
-2.95	219	FUELCUT BELOW TP=7					-2.95	0				
-2.49	222	FAST IDLE SWITCH=136					-2.49	0				
-2.02	225	IDLE TP LOCATION=NO					-2.02	0				
-1.55	228	IDLE FUEL AMOUNT=NO					-1.55	0				
-1.08	231					-1.08	0					
-0.62	234					-0.62	0					
-0.14	237					-0.14	0					
0.33	239					0.33	0					
0.8	240					0.8	0					