



1981

DATSUN 280ZX TURBO

SERVICE MANUAL



DATSUN 280ZX

Model S130 Series

FOREWORD

This service manual has been prepared primarily for the purpose of assisting service personnel in providing effective service and maintenance of the 1981 DATSUN 280ZX.

This manual includes procedures for maintenance, adjustments, removal and installation, disassembly and assembly of components, and trouble-shooting.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. If your DATSUN model differs from the specifications contained in this manual, consult your NISSAN/DATSUN dealer for information.

The right is reserved to make changes in specifications and methods at any time without notice.

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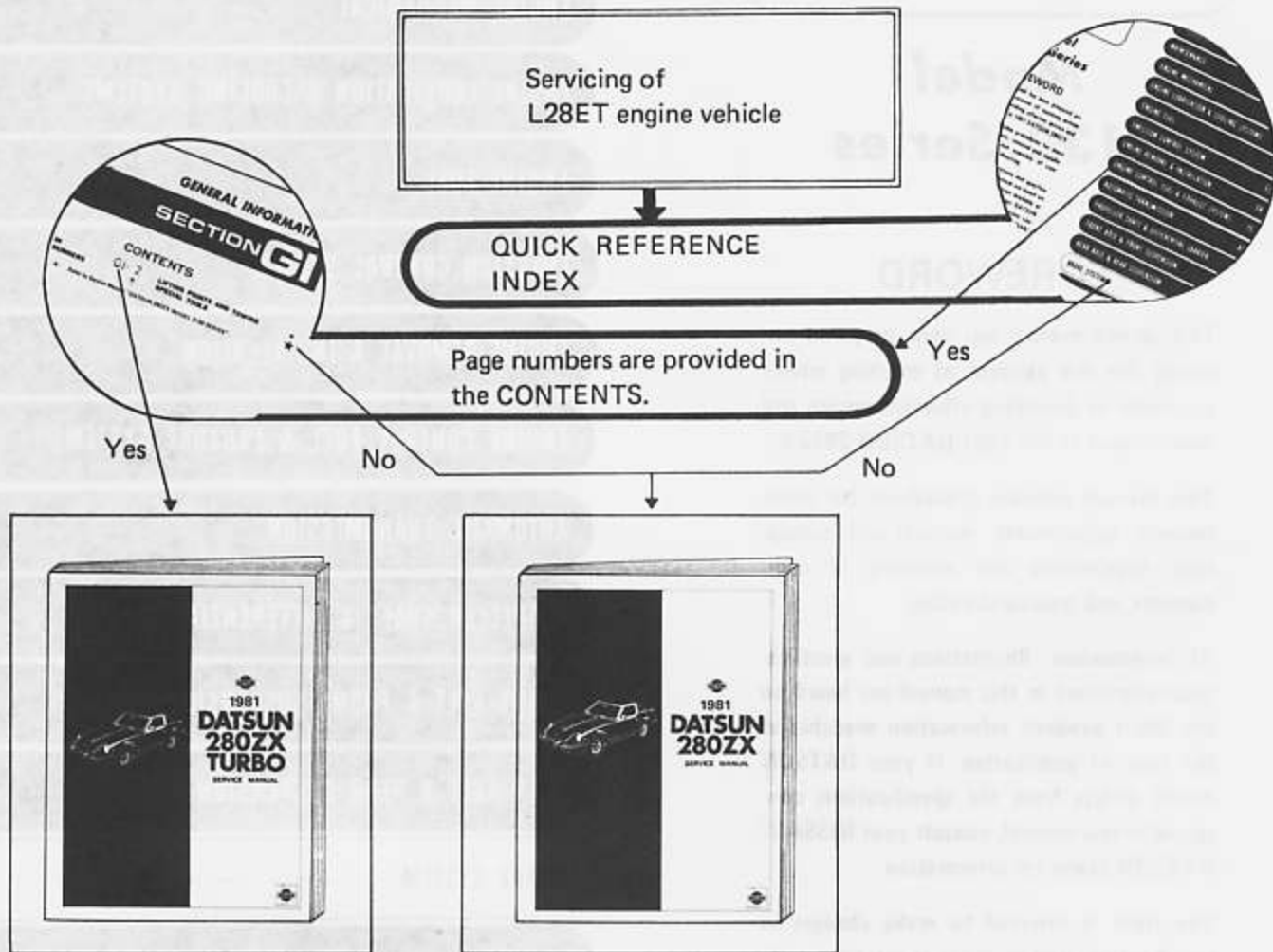
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HOW TO USE THIS MANUAL

- ▶ This Service Manual is designed as a guide for servicing DATSUN 280ZX TURBO.
- ▶ This manual includes service procedures specified for L28ET engine vehicles. Those procedures which are the same as those for the L28E engine vehicle are not contained in this manual. Please use this manual in conjunction with the 1981 DATSUN 280ZX SERVICE MANUAL (Pub. No. SM1E-S130U0).



IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the mechanic and the efficient functioning of the vehicle.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Special service tools have been designed to permit safe and proper performance of service. Be sure to use them.

Service varies with the procedures used, the skills of the mechanic and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first completely satisfy himself that neither his safety nor the vehicle's safety will be jeopardized by the service method selected.

QUICK REFERENCE CHART: 280ZX TURBO 1981

ENGINE TUNE-UP DATA

Engine model	L28ET		
Firing order	1-5-3-6-2-4		
Idle speed rpm	650±50 (in "D" position)		
Ignition timing (degree B.T.D.C. at idle speed)	20±3°		
"CO" % at idle %	Idle mixture screw is preset and sealed at factory.		
Valve clearance (Hot)	Intake	0.25 (0.010)	
	mm (in)	Exhaust 0.30 (0.012)	
Drive belt deflection (Applied pressed force 98N (10 kg, 22 lb))	mm (in)	8 - 12 (0.31 - 0.47)	
Radiator cap relief pressure	kPa (kg/cm ² , psi)	88 (0.9, 13)	
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.6, 23)	
Compression pressure	Standard	981 (10.0, 142)/350	
	kPa (kg/cm ² , psi)/rpm	Minimum 686 (7.0, 100)/350	
High tension cable resistance	kΩ	Less than 30	
Spark plug	Type	BPR6ES-11	
	Gap mm (in)	1.0 - 1.1 (0.039 - 0.043)	
Battery	Type	N60MF	
	Capacity V-AH	12 - 60	
Tightening torque		N-m	kg-m ft-lb
Fuel hose clamp		1.0 - 1.5	0.10 - 0.15 0.7 - 1.1
Cylinder head		69 - 83	7.0 - 8.5 51 - 61
Rocker cover bolt		10 - 16	1.0 - 1.6 7 - 12
Manifold bolt and nut	M8 bolt	15 - 25	1.5 - 2.5 11 - 18
	M10 bolt	34 - 44	3.5 - 4.5 25 - 33
	M8 nut	12 - 16	1.2 - 1.6 9 - 12

BRAKE

Unit: mm (in)

Disc brake	Front	Rear
Pad minimum thickness	2.0 (0.079)	
Rotor repair limit		
Runout	Less than 0.10 (0.0039)	Less than 0.15 (0.0059)
Parallelism circumferential direction	Less than 0.03 (0.0012)	
Minimum thickness	18.0 (0.709)	8.6 (0.339)

WHEEL ALIGNMENT (Unladen)

Camber	degree	-35' - 55'	
Caster	degree	4° 10' - 5° 40'	
Toe-in	mm (in)	1 - 3 (0.04 - 0.12)	
	degree	6° - 16° (On both sides)	
Turning angle	degree	Power steering model	Manual steering model
Toe-out - turns (Inside/Outside)		20° / 18.7°	20° / 18.7°
Inside		33½° - 37½°	33½° - 37½°
Outside		29° - 33°	29° - 33°

*: Tankful of fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools, mats in designed position.

FRONT WHEEL BEARING

Tightening torque	N-m (kg-m, ft-lb)	25 - 29 (2.5 - 3.0, 18 - 22)
Return angle	degree	60°

WHEEL AND TIRE

Tire size	P205/60R15		C78-14 *1
Inflation pressure *2			
Car speed	km/h (MPH)	Under 160 (100)	Over 160 (100)
Pressure	psi (kPa)	28 (200)	32 (230)
Wheel nut tightening torque	N-m (kg-m, ft-lb)	78 - 98 (8 - 10, 58 - 72)	

*1: Spare Saver Spare tire or Foldable Spare tire.

*2: Tire pressure should be checked when Tires are cold.

REFILL CAPACITIES

	Unit	Liter	US measure
Fuel tank		80	21-1/8 gal
Coolant	With reservoir	10.5	11-1/8 qt
	Without reservoir	9.7	10-1/4 qt
Engine oil	With oil filter	4.5	4-3/4 qt
	Without oil filter	4.0	4-1/4 qt
Transmission	A/T	5.5	5-7/8 qt
Differential carrier	R200	1.3	2-3/4 pt
Power steering system		1.1	1-1/8 qt
Windshield washer tank		2.8	3 qt
Headlight cleaner washer tank		2.0	2-1/8 qt
Air conditioning system	Compressor oil	150 ml	5.1 fl oz
	Refrigerant	0.9 - 1.1 kg	2.0 - 2.4 lb

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