

QUICK REFERENCE INDEX

GENERAL INFORMATION	GI
MAINTENANCE	MA
ENGINE MECHANICAL	EM
ENGINE LUBRICATION & COOLING SYSTEMS	LC
ENGINE FUEL & EMISSION CONTROL SYSTEM	EF & EC
ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS	FE
AUTOMATIC TRANSMISSION	AT
PROPELLER SHAFT & DIFFERENTIAL CARRIER	PD
FRONT AXLE & FRONT SUSPENSION	FA
REAR AXLE & REAR SUSPENSION	RA
BRAKE SYSTEM	BR
STEERING SYSTEM	ST
RESTRAINT SYSTEM	RS
BODY & TRIM	BT
HEATER & AIR CONDITIONER	HA
ELECTRICAL SYSTEM	EL
ALPHABETICAL INDEX	IDX



Q45

MODEL G50 SERIES



FOREWORD

This manual contains maintenance and repair procedures for the 1995 INFINITI Q45.

In order to assure your safety and the efficient functioning of the vehicle, this manual should be read thoroughly. It is especially important that the PRECAUTIONS in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician 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.

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



NISSAN MOTOR CO., LTD.

**Overseas Service Department
Tokyo, Japan**

QUICK REFERENCE CHART : Q45 1995

ENGINE TUNE-UP DATA

Engine model	VM45DE		
Firing order	1-8-7-3-6-5-4-2		
Idle speed	rpm	A/T (in "N" position)	650±50
Ignition timing	(B.T.D.C. at idle speed) 15°±2°		
CO% at idle	Idle mixture screw is preset and sealed at factory.		
Drive belt deflection (Cold)	mm (in)	Used belt deflection	
		Limit	Deflection after adjustment
Alternator		14 (0.55)	9 - 10 (0.35 - 0.39)
			7.5 - 8.5 (0.295 - 0.335)
Air conditioner compressor		12 (0.47)	8.5 - 9.5 (0.335 - 0.374)
Power steering oil pump		14 (0.55)	9 - 10 (0.35 - 0.39)
			8 - 9 (0.31 - 0.35)
Applied pushing force	N (kg, lb)	98 (10, 22)	
Radiator cap relief pressure	kPa (kg/cm ² , psi)	78 - 98 (0.8 - 1.0, 11 - 14)	
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.6, 23)	
Compression pressure	kPa (kg/cm ² , psi)/rpm	Standard	1,275 (13.0, 185)/300
		Minimum	981 (10.0, 142)/300
Spark plug	Type (Standard)	PFR6B-11	

FRONT WHEEL ALIGNMENT (Unladen *1)

	Without full-active suspension	Full-active suspension	
		Engine running*2	Reference (Engine stopped*3)
Camber	degree	-1°35' to -0°05'	-1°40' to -0°10'
Caster	degree	5°45' - 7°15'	6°10' - 7°40'
Kingpin inclination	degree	12°00' - 13°30'	12°10' - 13°40'
Toe-in	mm (in)	-1 to 1 (-0.04 to 0.04)	
Total angle 2θ	degree	0° - 10°	-5° to 5°
Wheel turning angle (Full turn)	degree	32°	
Inside		35°30' - 39°30'	35° - 39°
Outside		32°	

- *1 Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.
- *2 Unladen, engine running and height control switch in normal (N) position.
- *3
- The data obtained when engine is stopped are reference values.
 - For standard values, use the data obtained by running engine.
 - Conditions when engine is stopped:
Unladen, full-active fluid temperature 60±4°C (140±7.2°F).
Ignition switch "OFF" after driver gets out of the vehicle.
 - For alignment measurement, wait at least 3 minutes after engine has stopped.

REAR WHEEL ALIGNMENT (Unladen *1)

	Without full-active suspension	Full-active suspension	
		Engine running*2	Reference (Engine stopped*3)
Camber	degree	-1°35' to -0°35'	-2°00' to -1°00'
Toe-in	mm (in)	0 - 4 (0 - 0.16)	
Total angle 2θ	degree	0° - 22°	

- *1 Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.
- *2 Unladen, engine running and height control switch in normal (N) position.
- *3
- The data obtained when engine is stopped are reference values.
 - For standard values, use the data obtained by running engine.
 - Conditions when engine is stopped:
Unladen, full-active fluid temperature 60±4°C (140±7.2°F).
Ignition switch "OFF" after driver gets out of the vehicle.
 - For alignment measurement, wait at least 3 minutes after engine has stopped.

BRAKE

	Unit: mm (in)
Front brake	
Pad wear limit	2.0 (0.079)
Rotor repair limit	26.0 (1.024)
Rear brake	
Pad wear limit	2.0 (0.079)
Rotor repair limit	8.0 (0.315)
Pedal free height	184 - 194 (7.24 - 7.64)
Pedal depressed height*	100 - 110 (3.94 - 4.33)

- * Under force of 490 N (50 kg, 110 lb) with engine running

REFILL CAPACITIES

Unit	Liter	US measure	
Fuel tank	85	22-1/2 gal	
Coolant (With reservoir tank)	10.3	10-7/8 qt	
Engine	With oil filter	6.0	6-3/8 qt
	Without oil filter	5.6	5-7/8 qt
Transmission	A/T	10.5	11-1/8 qt
Differential carrier		1.3	2-3/4 pt
Power steering system		1.2	1-1/4 qt
Full-active suspension system		5.7	6 qt
Air conditioning system	Compressor oil	0.200	6.8 fl oz
	Refrigerant	0.775 - 0.825 kg	1.709 - 1.819 lb