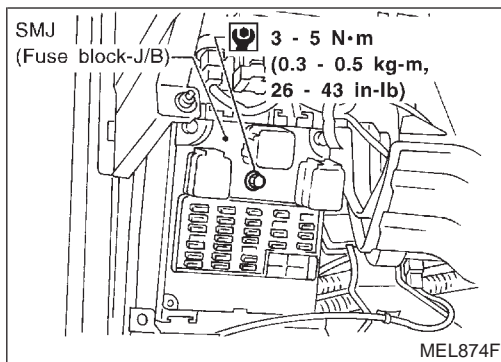


SUPER MULTIPLE JUNCTION (SMJ)

Installation



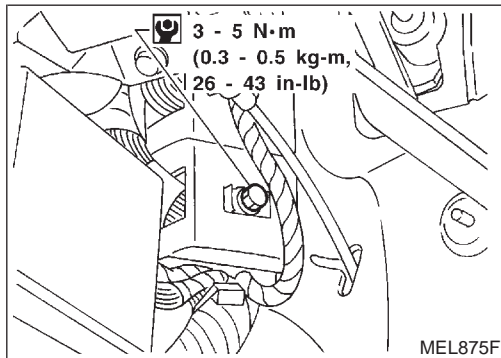
Installation

To install SMJ, tighten bolts until orange “fulltight” mark appears and then retighten to specified torque as required. NBEL0146

3 - 5 N·m
(0.3 - 0.5 kg-m, 26 - 43 in-lb)

CAUTION:

Do not overtighten bolts, otherwise, they may be damaged.



SUPER MULTIPLE JUNCTION (SMJ)

Terminal Arrangement

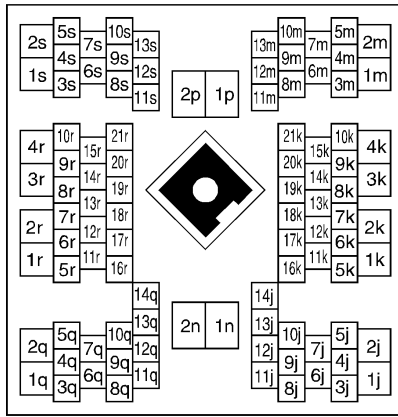
Terminal Arrangement

NBEL0147

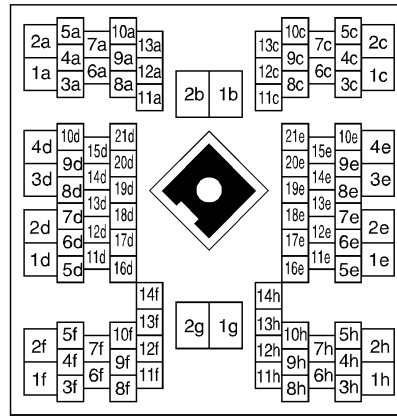
MAIN HARNESS



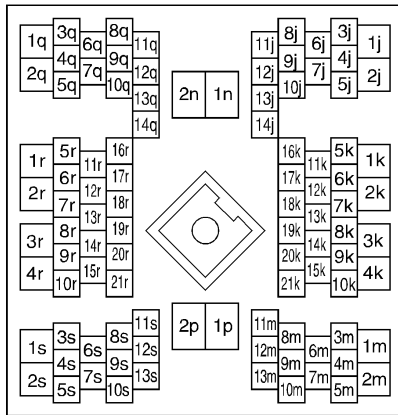
(M1)



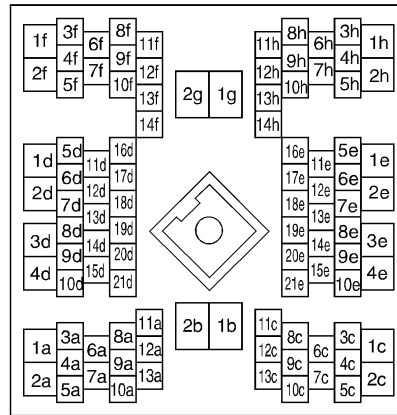
(M2)



(E1)



(B1)



ENGINE ROOM HARNESS

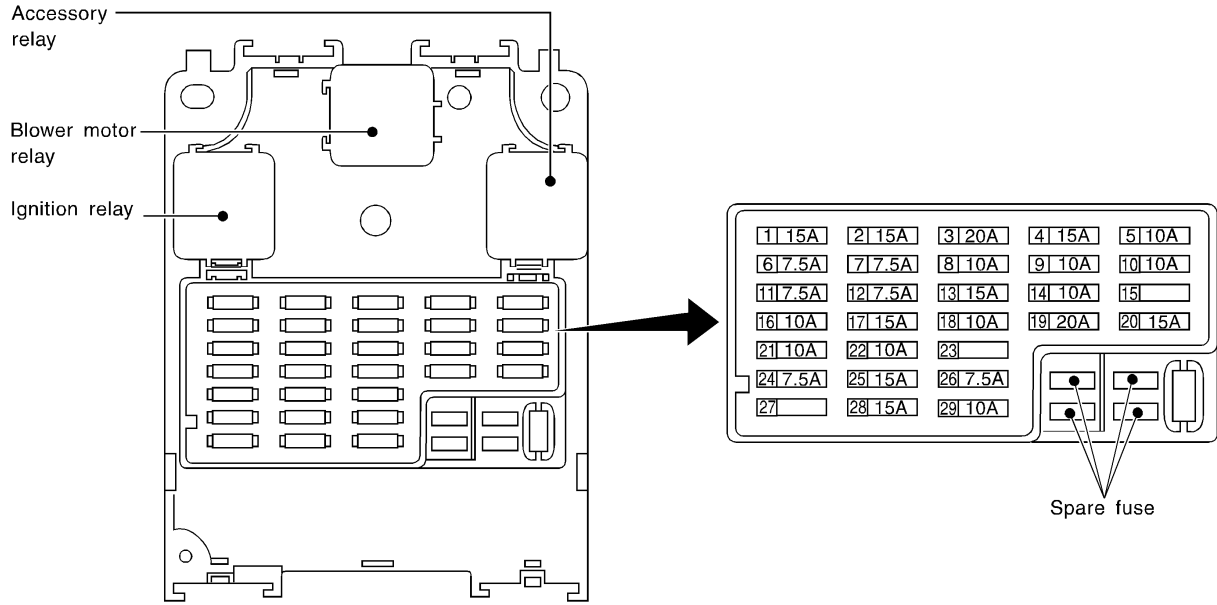
BODY HARNESS

FUSE BLOCK — JUNCTION BOX (J/B)

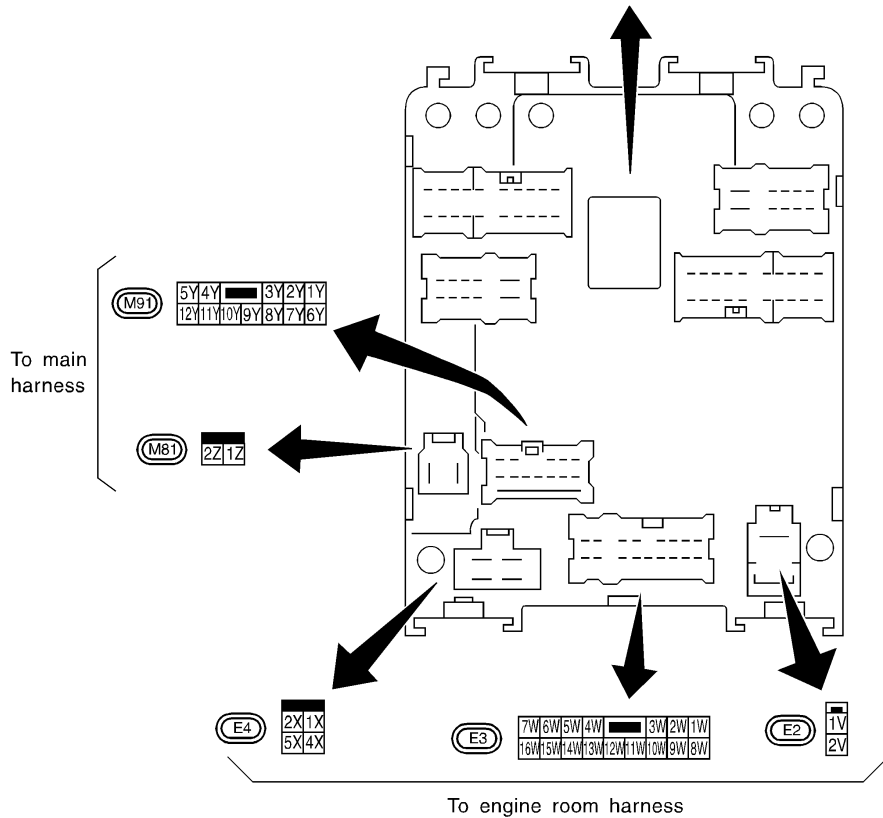
Terminal Arrangement

Terminal Arrangement

NBEL0148



To main harness (M10)

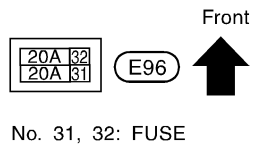
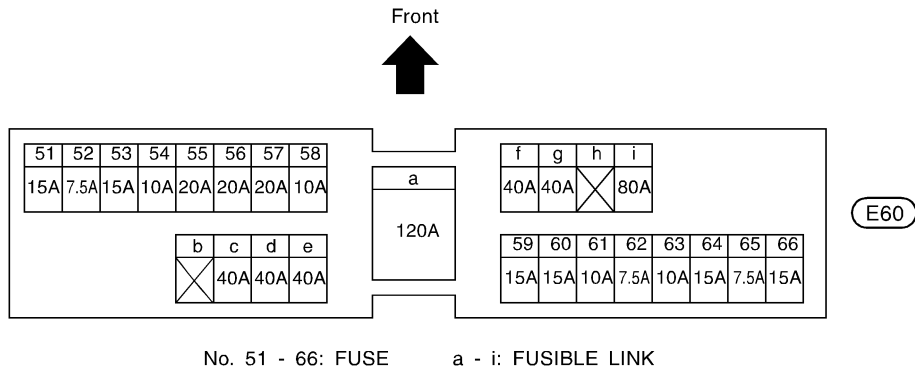


FUSE AND FUSIBLE LINK BOX

Terminal Arrangement

Terminal Arrangement

NBEL0149



MELO70M

QUICK REFERENCE CHART: QX4

2001

ENGINE TUNE-UP DATA

Engine model		VQ35DE	
Firing order		1-2-3-4-5-6	
Idle speed	rpm	A/T (in "N" position) 750±50	
Ignition timing (degree BTDC 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	
		Limit	Deflection after adjustment
		Deflection of new belt	
Alternator Power steering oil pump Fan	7 (0.28)	4 - 5 (0.16 - 0.20)	3.5 - 4.5 (0.138 - 0.177)
Air conditioner compressor	12 (0.472)	9 - 10 (0.354 - 0.394)	8 - 9 (0.31 - 0.35)
Applied pressed force		N (kg, lb) 98 (10, 22)	
Drive belt tension adjustment (Cold)	N (kg, lb)	Used belt	
		Limit	After adjustment
		New belt	
Alternator Power steering pump Fan	294 (30, 66)	730 - 818 (74.4 - 83.5, 164 - 184)	838 - 926 (85.4 - 94.5, 188 - 208)
Air conditioner compressor	196 (20, 44)	348 - 436 (35.5 - 44.5, 78 - 98)	470 - 559 (47.9 - 57.0, 106 - 126)
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	Standard	1,275 (13.0, 185)/300	
	Minimum	981 (10.0, 142)/300	
Spark plug	Standard	PLFR5A-11	
	Cold	PLFR6A-11	
	Hot	PLFR4A-11	

WHEEL ALIGNMENT (Unladen*)

Applied model		245/70 R16 tire		
Camber	Minimum	-0°35' (-0.58°)		
	Nominal	0°10' (0.17°)		
	Maximum	0°55' (0.92°)		
Degree minute (Decimal degree)	Left and right difference	45' (0.75°) or less		
	Caster	Minimum	2°15' (2.25°)	
Degree minute (Decimal degree)	Nominal	3°00' (3.00°)		
	Maximum	3°45' (3.75°)		
	Left and right difference	45' (0.75°) or less		
Total toe-in	Minimum	1 (0.04)		
	Nominal	2 (0.08)		
	Maximum	3 (0.12)		
Distance (A - B)	mm (in)	3 (0.12)		
	Angle (left plus right)	Minimum	5' (0.08°)	
		Nominal	10' (0.17°)	
Degree minute (Decimal degree)	Maximum	15' (0.25°)		
	Wheel turning angle (Full turn)	Minimum	30°00' (30.00°)	
		Inside	Nominal	33°00' (33.00°)
Maximum			34°00' (34.00°)	
Degree minute (Decimal degree)	Outside	Minimum	28°00' (28.00°)	
		Nominal	31°00' (31.00°)	
	Maximum	32°00' (32.00°)		

* Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.

BRAKE

		Unit: mm (in)
Front brake		
Pad wear limit		2.0 (0.079)
Rotor repair limit		26.0 (1.024)
Rear brake		
Lining wear limit		1.5 (0.059)
Drum repair limit		296.5 (11.67)
Pedal free height		175 - 185 (6.89 - 7.28)
Pedal depressed height*1		70 (2.76)
Parking brake		
Number of notches*2		6 - 8

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

*2 At pulling force: 196 N (20 kg, 44 lb)

REFILL CAPACITIES

Unit		Liter	US measure
Coolant with reservoir		9.2	9-3/4 qt
Engine*	With oil filter	5.0	5-1/4 qt
	Without oil filter	4.8	5-1/8 qt
	Dry engine (engine overhaul)	6.8	7-1/4 qt
Transmission	A/T	8.5	9 qt
	2WD		
4WD			
All-mode 4WD transfer		3.0	2-5/8 qt
Differential carrier	Front	1.85	3-7/8 pt
	Rear	2.8	5-7/8 pt
Power steering system		0.9	1 qt
Air conditioning system	Refrigerant	0.60 - 0.70 kg	1.32 - 1.54 lb
	Compressor oil	0.20	6.8 fl oz

* For further details, see "Changing Engine Oil" in MA section.

FRONT WHEEL BEARING

Preload (At hub bolt) N (kg, lb)	Wheel bearing lock nut		
	Tightening torque	78 - 98 (8 - 10, 58 - 72)	
	N-m (kg-m, ft-lb)		
	Retightening torque after loosening wheel bearing lock nut	0.5 - 1.5 (0.05 - 0.15, 4.3 - 13.0)	
	N-m (kg-m, in-lb)		
	Axial end play	mm (in)	0 (0)
	Starting force at wheel hub bolt	N (kg, lb)	A
	Turning angle	degree	15° - 30°
Starting force at wheel hub bolt	N (kg, lb)	B	
Wheel bearing preload at wheel hub bolt	N (kg, lb)	7.06 - 20.99 (0.72 - 2.14, 1.59 - 4.72)	
B - A			