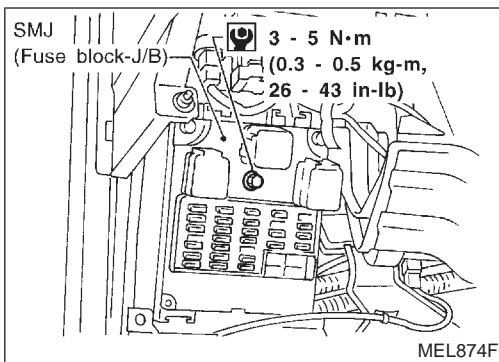


SUPER MULTIPLE JUNCTION (SMJ)


Installation

NBEL0434



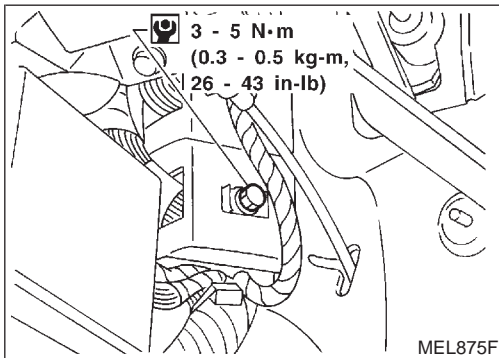
Installation

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

 : 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

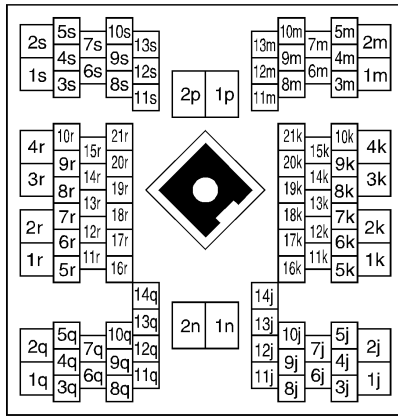
Terminal Arrangement

NBEL0435

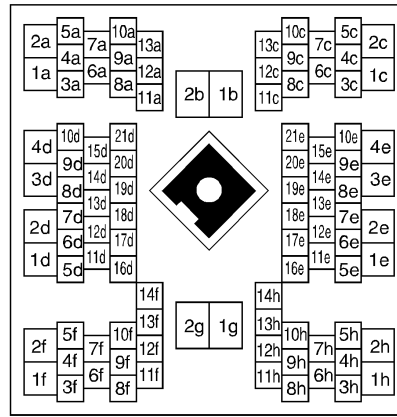
MAIN HARNESS



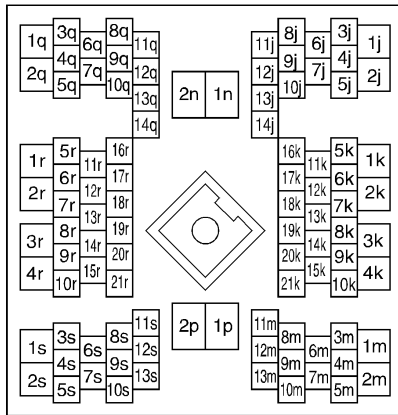
(M1)



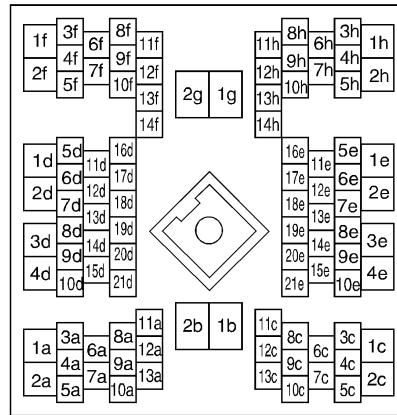
(M2)



(E1)



(B1)



ENGINE ROOM HARNESS

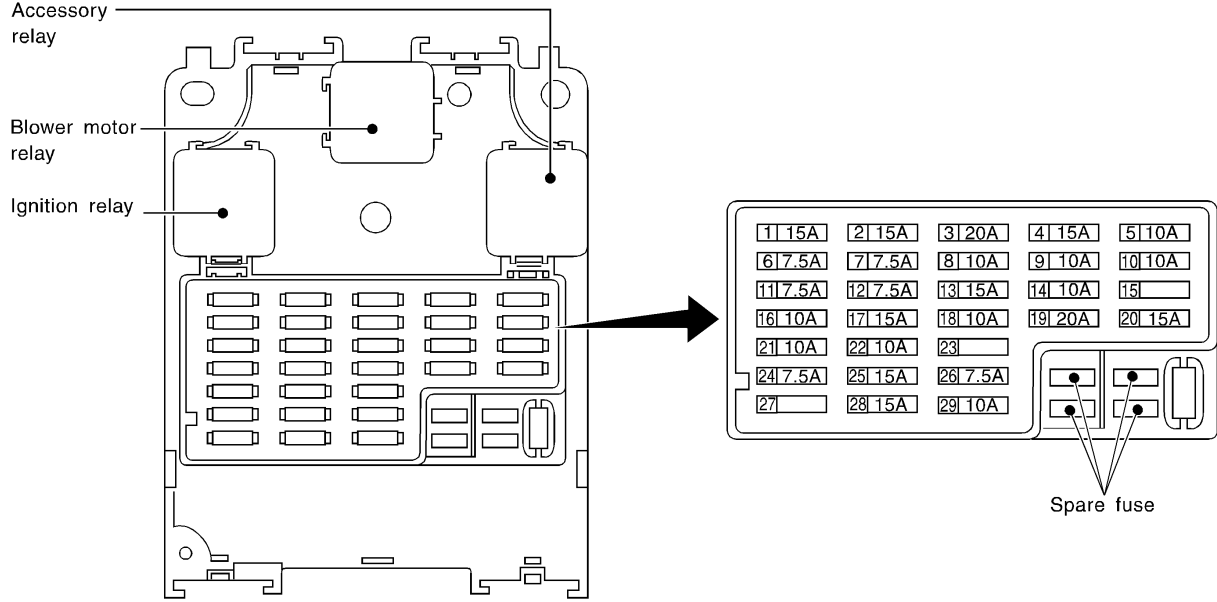
BODY HARNESS

FUSE BLOCK — JUNCTION BOX (J/B)

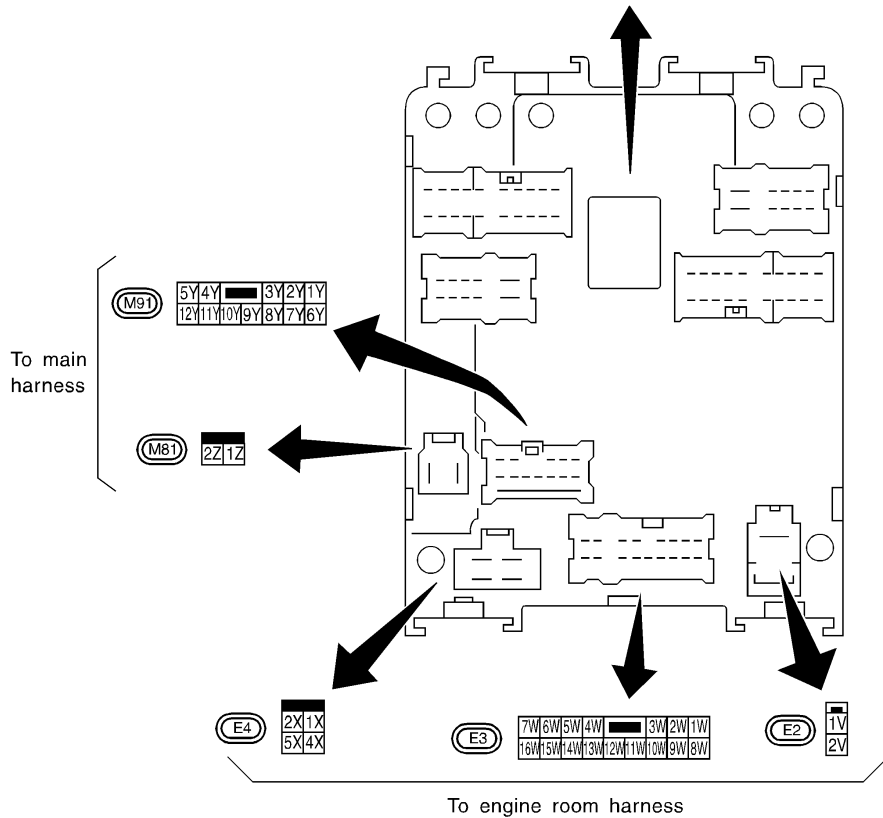
Terminal Arrangement

Terminal Arrangement

NBEL0436



To main harness (M10)

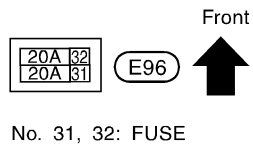
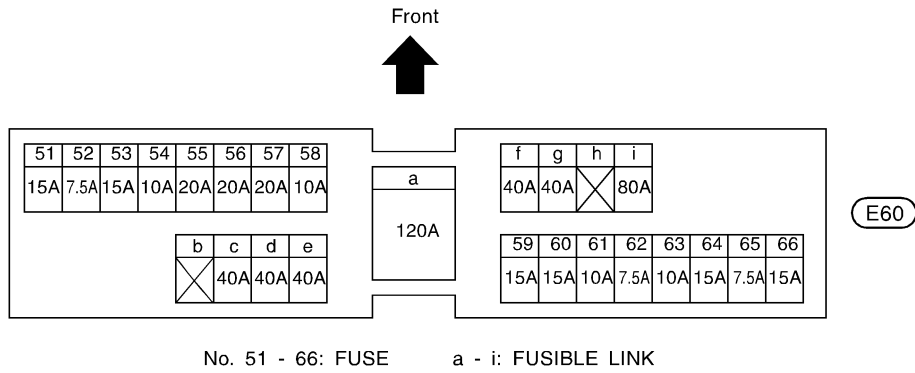


FUSE AND FUSIBLE LINK BOX

Terminal Arrangement

Terminal Arrangement

NBEL0437



MELO70M

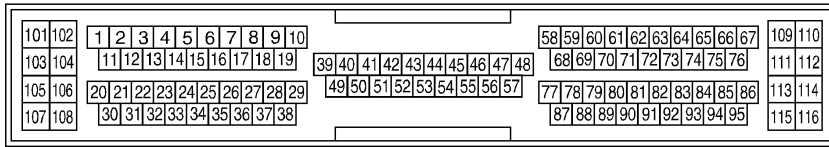
ELECTRICAL UNITS

Terminal Arrangement (New)

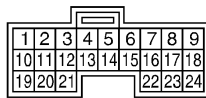
Terminal Arrangement (New)

NBEL0438

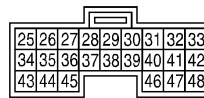
ECM (F24)



TCM (TRANSMISSION CONTROL MODULE)



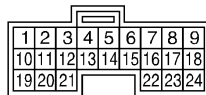
(M119)



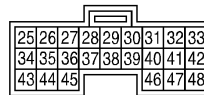
(M120)



TRANSFER CONTROL UNIT



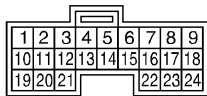
(M142)



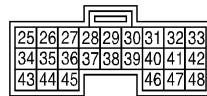
(M143)



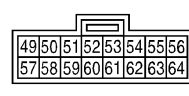
SMART ENTRANCE CONTROL UNIT



(M121)



(M122)



(M123)



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
Alternator Power steering oil pump Fan		7 (0.28)	4 - 5 (0.16 - 0.20)
Air conditioner compressor		12 (0.472)	9 - 10 (0.354 - 0.394)
Applied pressed force		N (kg, lb) 98 (10, 22)	
Drive belt tension adjustment (Cold)		N (kg, lb)	
		Used belt	
		Limit	After adjustment
Alternator Power steering pump Fan		294 (30, 66)	730 - 818 (74.4 - 83.5, 164 - 184)
Air conditioner compressor		196 (20, 44)	348 - 436 (35.5 - 44.5, 78 - 98)
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 kPa (kg/cm ² , psi)/rpm 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°)			
	Nominal		3°00' (3.00°)	
	Maximum		3°45' (3.75°)	
Degree minute (Decimal degree)	Left and right difference	45' (0.75°) or less		
	Total toe-in			
Distance (A - B)	Minimum	1 (0.04)		
	Nominal	2 (0.08)		
	Maximum	3 (0.12)		
mm (in)	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°)		
Nominal		33°00' (33.00°)		
Maximum		34°00' (34.00°)		
Degree minute (Decimal degree)	Inside			
		Minimum	28°00' (28.00°)	
		Nominal	31°00' (31.00°)	
Degree minute (Decimal degree)	Outside			
		Minimum	32°00' (32.00°)	
		Nominal		

* 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			