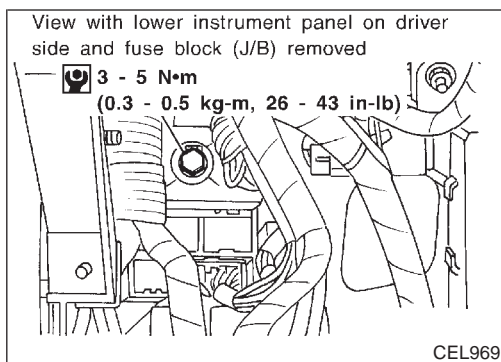


SUPER MULTIPLE JUNCTION (SMJ)

Installation



Installation

To install SMJ, tighten bolts until orange “fulltight” mark appears and then retighten to specified torque as required. NFEL0146

 : **3 - 5 N•m (0.3 - 0.5 kg-m, 26 - 43 in-lb)**

CAUTION:

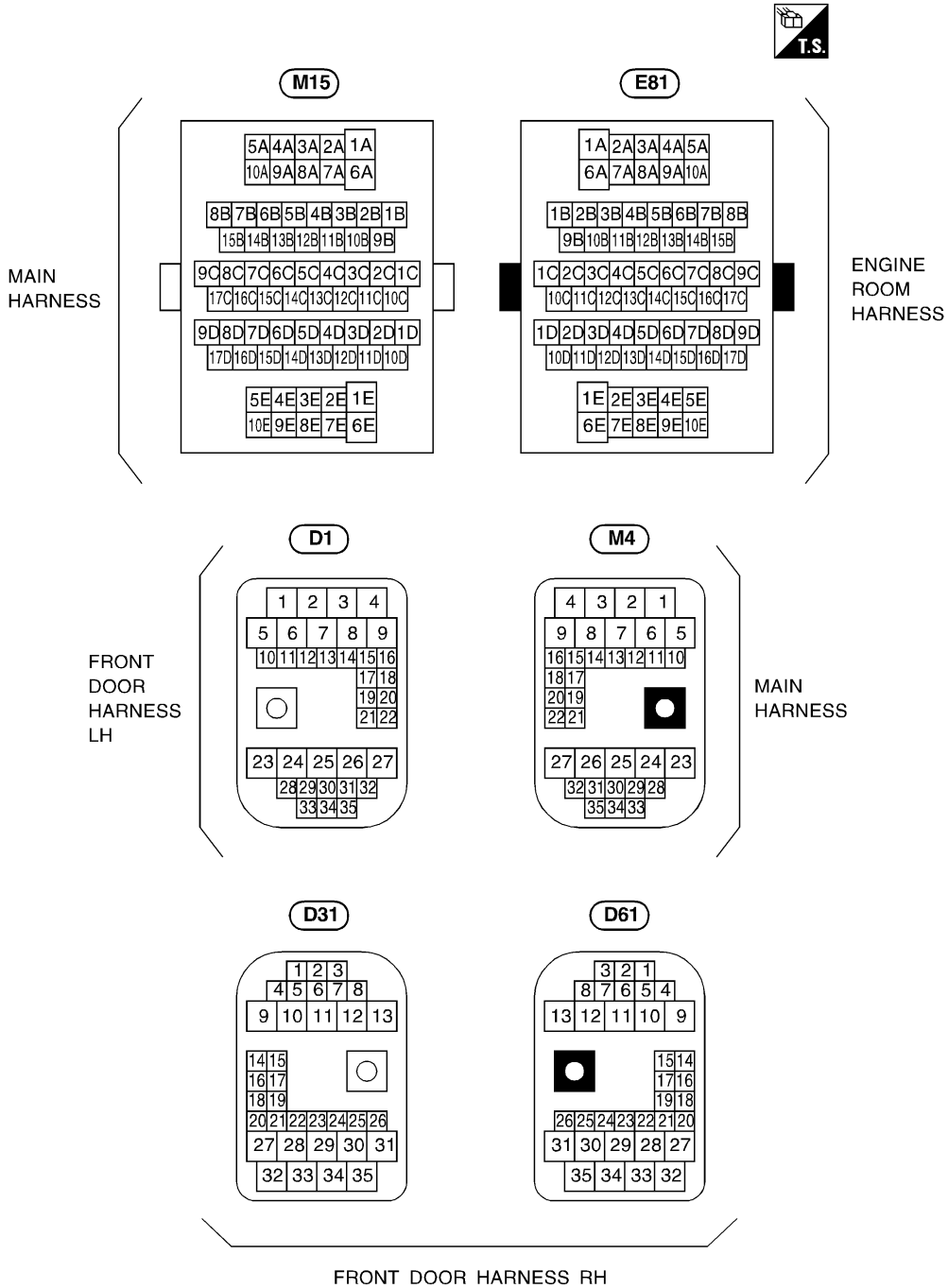
Do not overtighten bolts, otherwise, they may be damaged.

SUPER MULTIPLE JUNCTION (SMJ)

Terminal Arrangement

Terminal Arrangement

NFEL0147

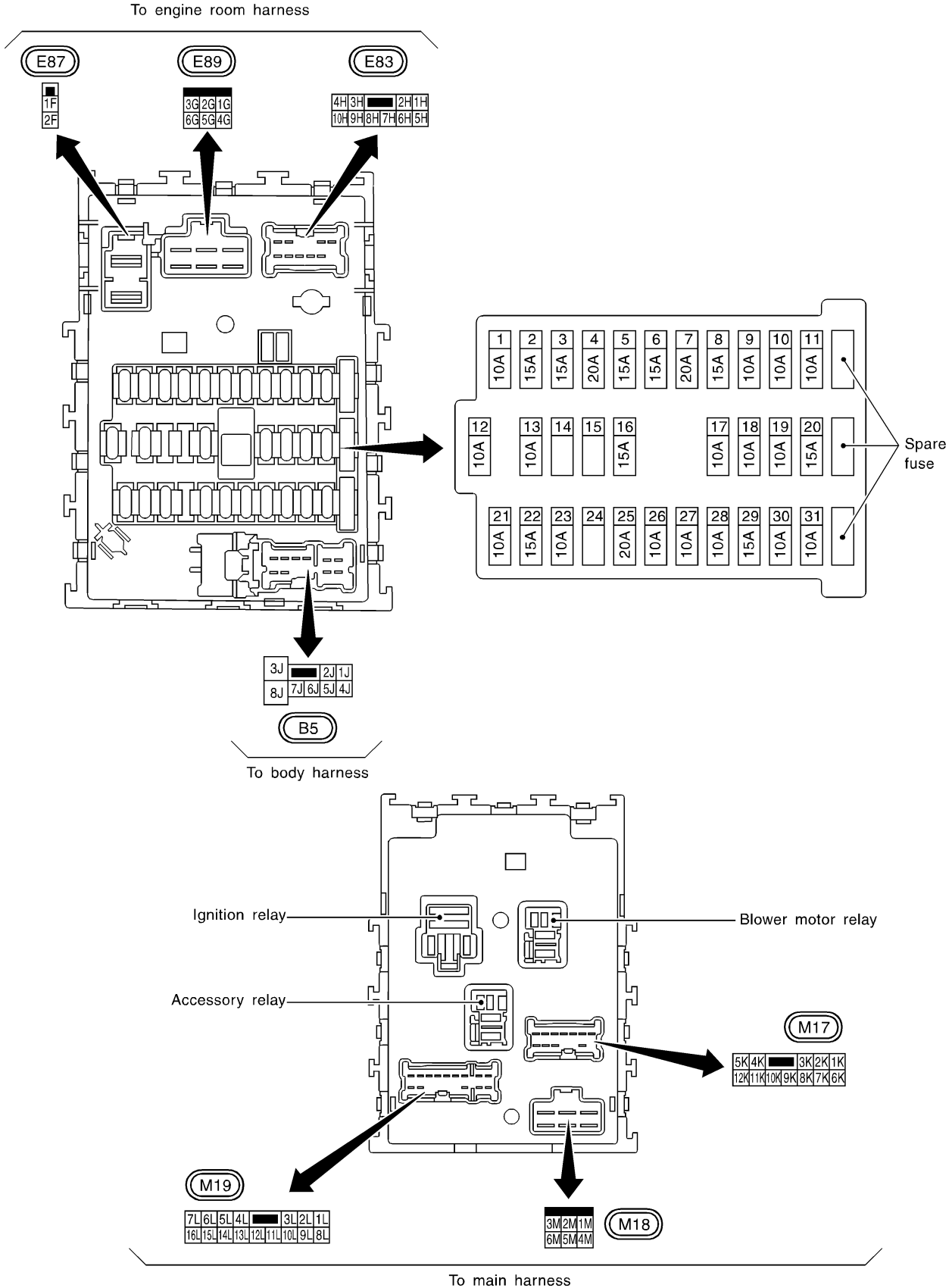


FUSE BLOCK — JUNCTION BOX (J/B)

Terminal Arrangement

Terminal Arrangement

NFEL0148

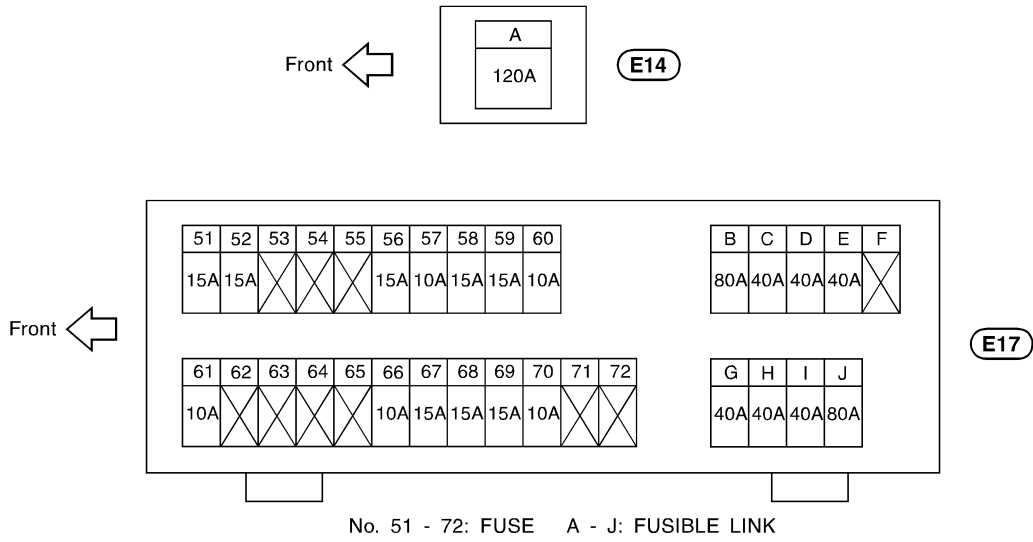


FUSE AND FUSIBLE LINK BOX

Terminal Arrangement

Terminal Arrangement

NFEL0149

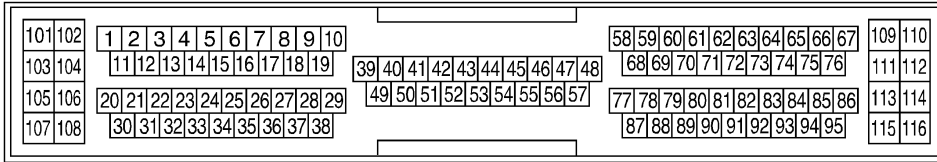


MEL213K

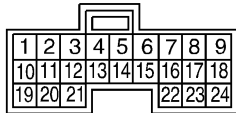
ELECTRICAL UNITS

Terminal Arrangement

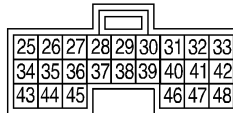
ECM (F48)



TCM (TRANSMISSION CONTROL MODULE)



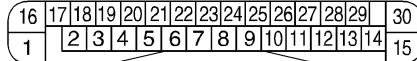
(F51)



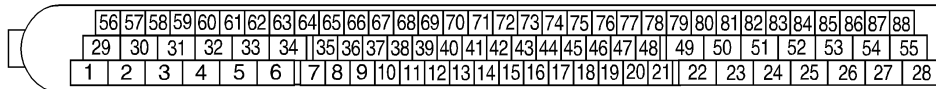
(F50)



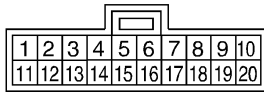
ABS ACTUATOR AND ELECTRIC UNIT (E9) : (OT)



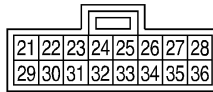
ABS/TCS CONTROL UNIT (E91) : (TS)



A/C AUTO AMP.



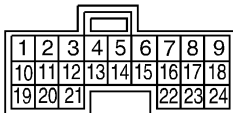
(M59)



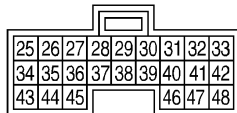
(M60)



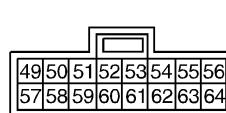
SMART ENTRANCE CONTROL UNIT



(M143)



(M144)



(M145)



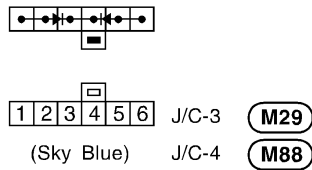
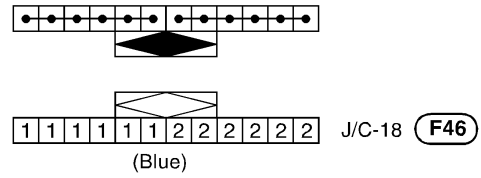
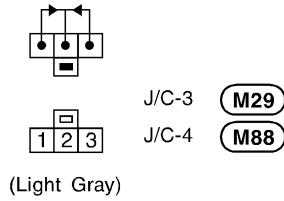
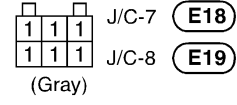
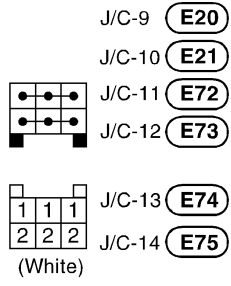
(TS) : With TCS
 (OT) : Without TCS

JOINT CONNECTOR (J/C)

Terminal Arrangement

Terminal Arrangement

NFEL0160



QUICK REFERENCE CHART: MAXIMA

2001

ENGINE TUNE-UP DATA

Engine model	VQ30DE		
Firing order	1-2-3-4-5-6		
Idle speed rpm	M/T	625±50	
	A/T (in "N" position)	700±50	
Ignition timing (degree BTDC at idle speed)	M/T: 15°±5° A/T:		
CO% at idle	Idle mixture screw is preset and sealed at factory.		
Belt deflection (Cold) mm (in)	Used belt		
	Limit	After adjustment	New belt
Alternator	7 (0.28)	4.2 - 4.6 (0.165 - 0.181)	3.7 - 4.1 (0.146 - 0.161)
		6.3 - 6.9 (0.248 - 0.272)	5.6 - 6.0 (0.220 - 0.236)
Without air conditioner compressor	10 (0.39)	7.3 - 8 (0.287 - 0.315)	6.5 - 7.2 (0.256 - 0.283)
Power steering oil pump	11 (0.43)		
Applied pressed force	98 (10, 22)		
Belt tension adjustment (Cold) N (kg, lb)	Used belt		
	Limit	After adjustment	New belt
Alternator	294 (30, 66)	730 - 819 (74.5 - 83.5, 164 - 184)	838 - 926 (85.45 - 94.43, 188.4 - 208.2)
		294 (30, 66)	730 - 819 (74.5 - 83.5, 164 - 184)
Without air conditioner compressor	196 (20, 44)	495 - 583 (50.5 - 59.5, 111 - 131)	603 - 691 (61.5 - 70.5, 136 - 155)
Power steering oil pump			
Applied pushing force	—		
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	PFR5G-11
		Hot	PFR4G-11
		Cold	PFR6G-11
	Gap (Nominal) mm (in)	1.1 (0.043)	

REAR WHEEL ALIGNMENT (Unladen*)

Camber	Degree minute (Decimal degree)	Minimum	-1°45' (-1.75°)
		Nominal	-1°00' (-1.00°)
		Maximum	-0°15' (-0.25°)
Total toe-in	Distance (A - B) mm (in)	Minimum	-3 (-0.12)
		Nominal	1 (0.04)
Angle (left plus right)	Degree minute (Decimal degree)	Maximum	5 (0.20)
		Minimum	-16' (-0.27°)
		Nominal	5'30" (0.09°)
		Maximum	26' (0.43°)

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

CLUTCH PEDAL

Unit: mm (in)	
Pedal height	179.5 - 189.5 (7.07 - 7.46)
Pedal free play	9 - 16 (0.35 - 0.63)

BRAKE

Unit: mm (in)	
Front brake	
Pad wear limit	2.0 (0.079)
Rotor repair limit	24.0 (0.945)
Rear brake	
Pad wear limit	1.5 (0.059)
Rotor repair limit	8.0 (0.315)
Pedal free height	M/T: 158 - 165 (6.22 - 6.50) A/T: 167 - 174 (6.57 - 6.85)
Pedal depressed height*1	M/T: 75.3 (2.965) A/T: 82.5 (3.248)
Parking brake	
Number of notches*2	10 - 11

*1 Under force of 490 N (50 kg, 110 lb) with engine running
*2 At pulling force: 196 N (20 kg, 44 lb)

FRONT WHEEL ALIGNMENT (Unladen*)

Tire size		225/50R17	215/55R16	205/65R15
Camber	Degree minute (Decimal degree)	Minimum	-1°00' (-1.00°)	-1°05' (-1.08°)
		Nominal	-0°15' (-0.25°)	-0°20' (-0.33°)
		Maximum	0°30' (0.50°)	0°25' (0.42)
Caster	Degree minute (Decimal degree)	Left and right difference	45' (0.75°) or less	
		Minimum	2°00' (2.00°)	
		Nominal	2°45' (2.75°)	
Total toe-in	Distance (A - B) mm (in)	Maximum	3°30' (3.50°)	
		Left and right difference	45' (0.75°) or less	
		Minimum	0 (0)	
Angle (left plus right)	Degree minute (Decimal degree)	Nominal	1 (0.04)	
		Maximum	2 (0.08)	
		Minimum	0' (0°)	
Wheel turning angle (Full turn)	Degree minute (Decimal degree)	Nominal	6' (0.10°)	
		Maximum	12' (0.20°)	
		Minimum	29°30' (29.50°)	36°00' (36.00°)
Inside	Degree minute (Decimal degree)	Nominal	33°00' (33.00°)	39°30' (39.50°)
		Maximum	34°00' (34.00°)	40°30' (40.50°)
		Nominal	28°30' (28.50°)	32°00' (32.00°)
Outside	Degree minute (Decimal degree)			

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

REFILL CAPACITIES

Unit		Liter	US measure
Coolant with reservoir		7.7	8-1/8 qt
Engine*	Drain and refill		
	With oil filter	4.0	4-1/4 qt
	Without oil filter	3.7	3-7/8 qt
Dry engine (engine overhaul)		4.8	5-1/8 qt
Transaxle	M/T	RS5F50V	4.3 - 4.5 9-1/8 - 9-1/2 pt
	A/T	RS5F50A RE4F04B/W	4.5 - 4.8 9-1/2 - 10-1/8 pt
Power steering system		1.1	1-1/8 qt
Air conditioning system	Refrigerant	0.60 - 0.70 kg	1.32 - 1.54 lb
	Compressor oil	0.2	6.8 fl oz

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