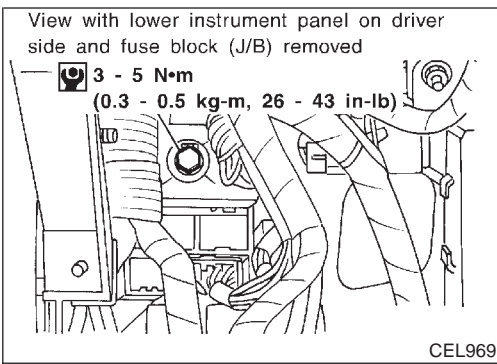


SUPER MULTIPLE JUNCTION (SMJ)

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:

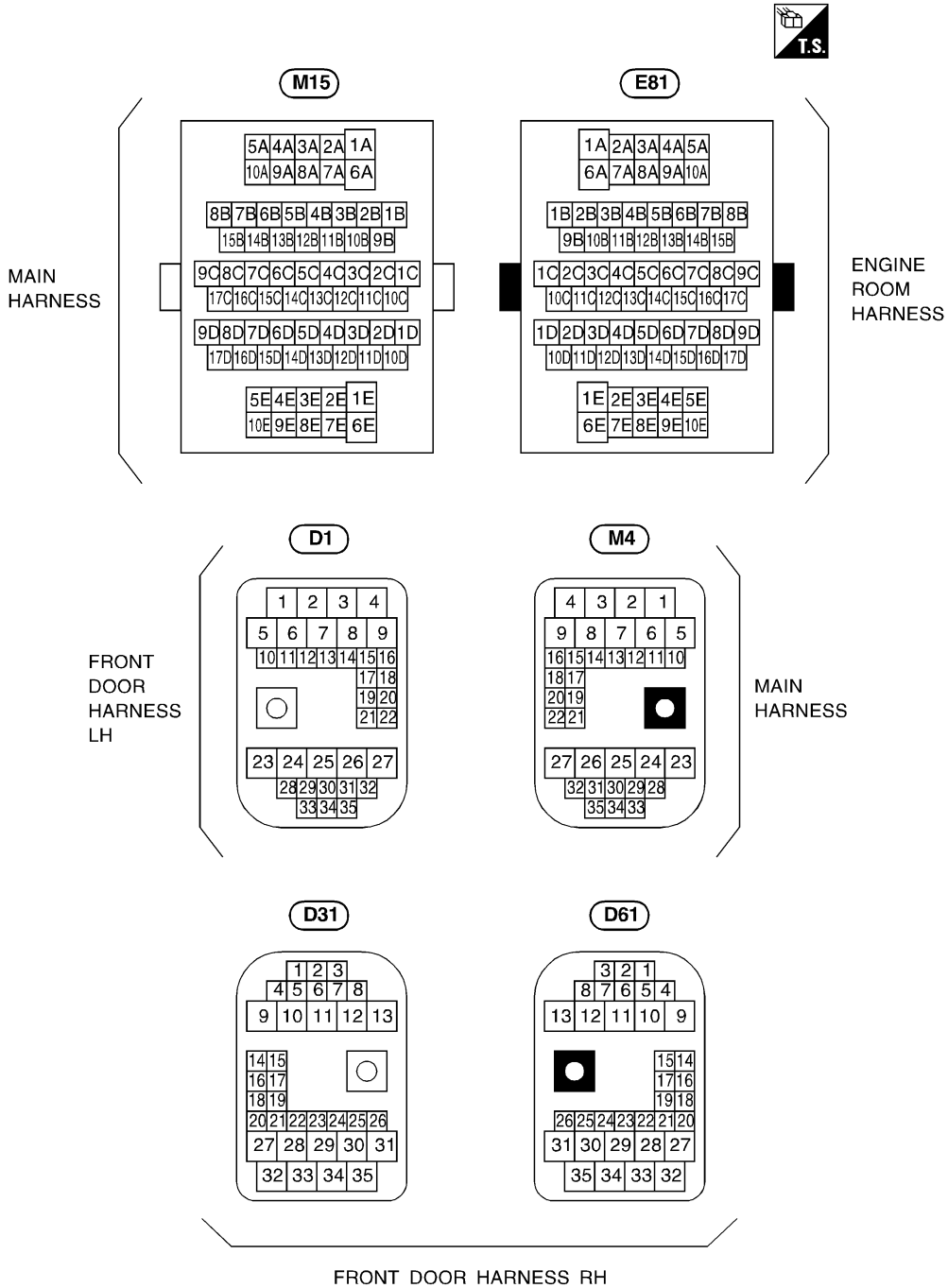
Do not overtighten bolts, otherwise, they may be damaged.

SUPER MULTIPLE JUNCTION (SMJ)

Terminal Arrangement

Terminal Arrangement

NFEL0147

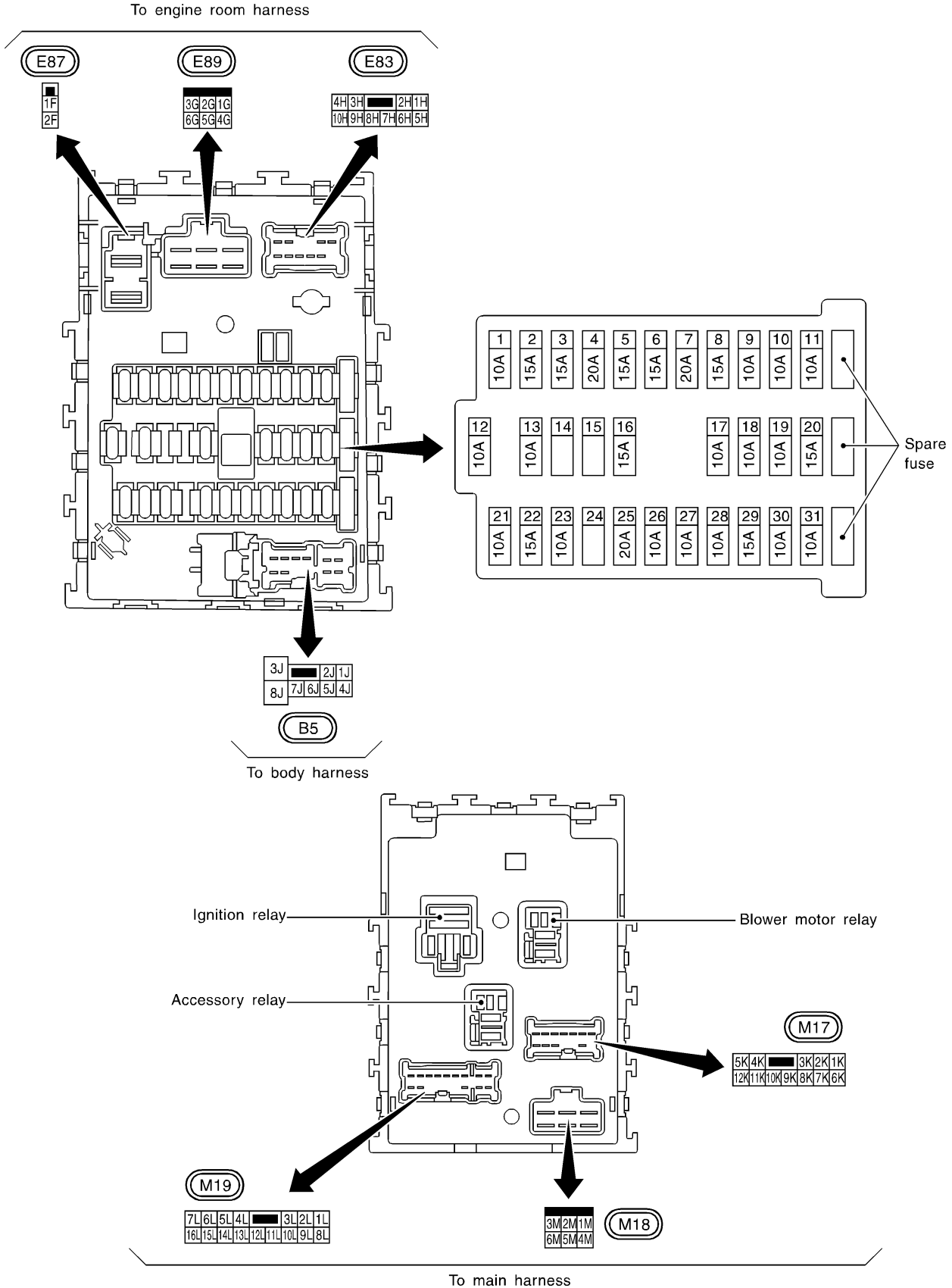


FUSE BLOCK — JUNCTION BOX (J/B)

Terminal Arrangement

Terminal Arrangement

NFEL0148

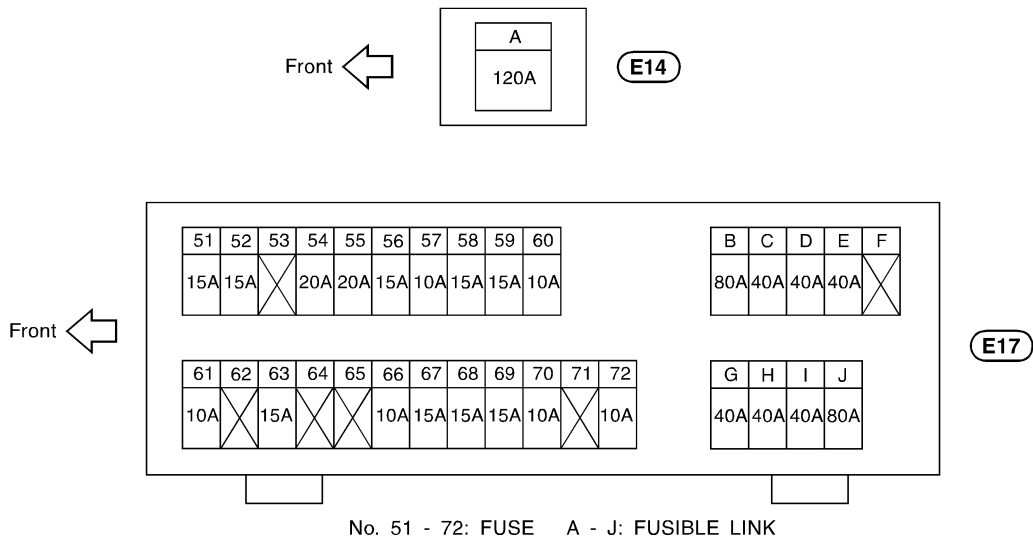


FUSE AND FUSIBLE LINK BOX

Terminal Arrangement

Terminal Arrangement

NFEL0149

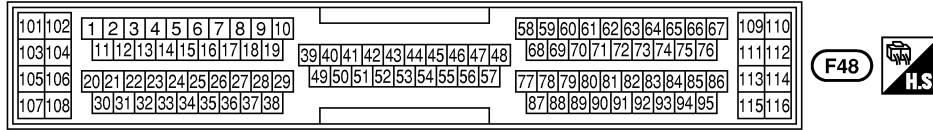


MEL0750

Terminal Arrangement

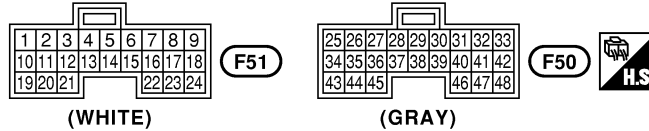
NFEL0150

ECM

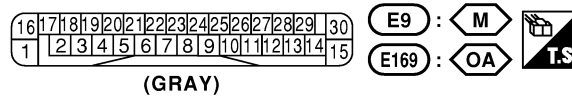


(GRAY)

TCM (TRANSMISSION CONTROL MODULE)

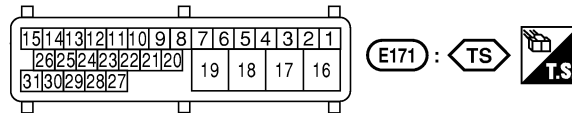


ABS ACTUATOR AND ELECTRIC UNIT



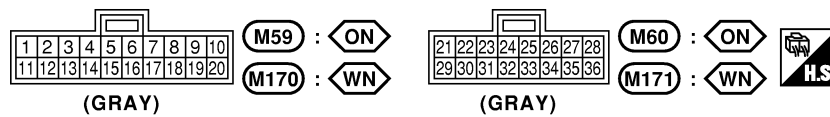
(GRAY)

ABS/TCS CONTROL UNIT



(BLACK)

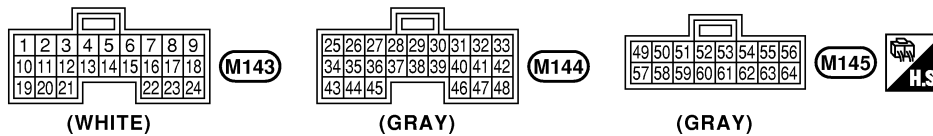
A/C AUTO AMP.



(GRAY)

(GRAY)

SMART ENTRANCE CONTROL UNIT



(WHITE)

(GRAY)

(GRAY)

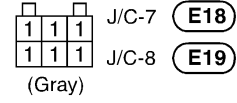
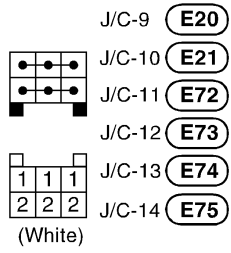
- : With TCS
- : With M/T
- : Without TCS for A/T models
- : With navigation system
- : Without navigation system

JOINT CONNECTOR (J/C)

Terminal Arrangement

Terminal Arrangement

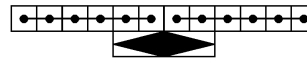
NFEL0160



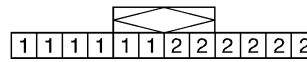
J/C-3 **M29**



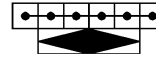
(Gray)



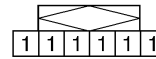
J/C-18 **F46**



(Blue)



J/C-20 **F71**



(Gray)

ENGINE TUNE-UP DATA

Engine model	VQ35DE		
Firing order	1-2-3-4-5-6		
Idle speed rpm	M/T	625±50	
	A/T (in "N" position)	675±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 and air conditioner compressor	7 (0.28)	4.2 - 4.6 (0.165 - 0.181)	3.7 - 4.1 (0.146 - 0.161)
Power steering oil pump	11 (0.43)	7.3 - 8 (0.287 - 0.315)	6.5 - 7.2 (0.256 - 0.283)
Applied pressed force N (kg, lb)	98 (10, 22)		
Belt tension adjustment (Cold) N (kg, lb)	Used belt		
	Limit	After adjustment	New belt
Alternator and air conditioner compressor	294 (30, 66)	730 - 819 (74.5 - 83.5, 164 - 184)	838 - 926 (85.45 - 94.43, 188.4 - 208.2)
Power steering oil pump	196 (20, 44)	495 - 583 (50.5 - 59.5, 111 - 131)	603 - 691 (61.5 - 70.5, 136 - 155)
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	PLFR5A-11
		Hot	PLFR4A-11
		Cold	PLFR6A-11
	Gap (Nominal) mm (in)	1.1 (0.043)	

FRONT WHEEL ALIGNMENT (Unladen*)

Tire size		P225/50R17	P215/55R17	P215/55R16
Camber	Minimum	-1°00' (-1.00°)		
	Nominal	-0°15' (-0.25°)		
	Maximum	0°30' (0.50°)		
	Degree minute (Decimal degree)	Left and right difference 45' (0.75°) or less		
Caster	Minimum	2°00' (2.00°)		
	Nominal	2°45' (2.75°)		
	Maximum	3°30' (3.50°)		
	Degree minute (Decimal degree)	Left and right difference 45' (0.75°) or less		
Kingpin inclination	Minimum	13°30' (13.50°)		
	Nominal	14°15' (14.25°)		
	Maximum	15°00' (15.00°)		
Total toe-in	Minimum	0 (0)		
	Nominal	1 (0.04)		
	Maximum	2 (0.08)		
Distance (A - B) mm (in)	Minimum	18' (0.30°)		
	Nominal	24' (0.40°)		
	Maximum	30' (0.50°)		
Angle (left plus right) Degree minute (Decimal degree)	Minimum	29°30' (29.50°)		
	Nominal	33°00' (33.00°)		
	Maximum	34°00' (34.00°)		
Wheel turning angle (Full turn)	Minimum	29°30' (29.50°)	36°00' (36.00°)	
	Nominal	33°00' (33.00°)	39°30' (39.50°)	
Inside Degree minute (Decimal degree)	Minimum	34°00' (34.00°)	40°30' (40.50°)	
	Nominal	28°30' (28.50°)	32°00' (32.00°)	
Outside Degree minute (Decimal degree)	Maximum			

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

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)
		Maximum	5 (0.20)
Angle (left plus right) Degree minute (Decimal degree)	Minimum	0' (0°)	
	Nominal	24' (0.40°)	
	Maximum	48' (0.80°)	

* 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	22.0 (0.866)
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 Center lever type: 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)

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)		5.0	5-1/4 qt
Transaxle	M/T	RS6F51H	2.3	2-3/8 qt
		RS6F51A	2.3	2-3/8 qt
	A/T	RE4F04B	8.5	9 qt
Power steering system			1.1	1-1/8 qt
Air conditioning system	Refrigerant		0.5 kg	1.1 lb
	Compressor oil		0.18	6.1 fl oz

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

NOTES