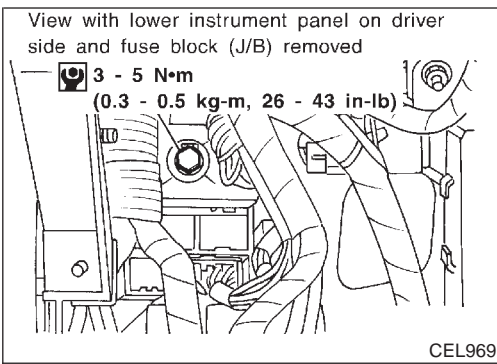


# SUPER MULTIPLE JUNCTION (SMJ)

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:

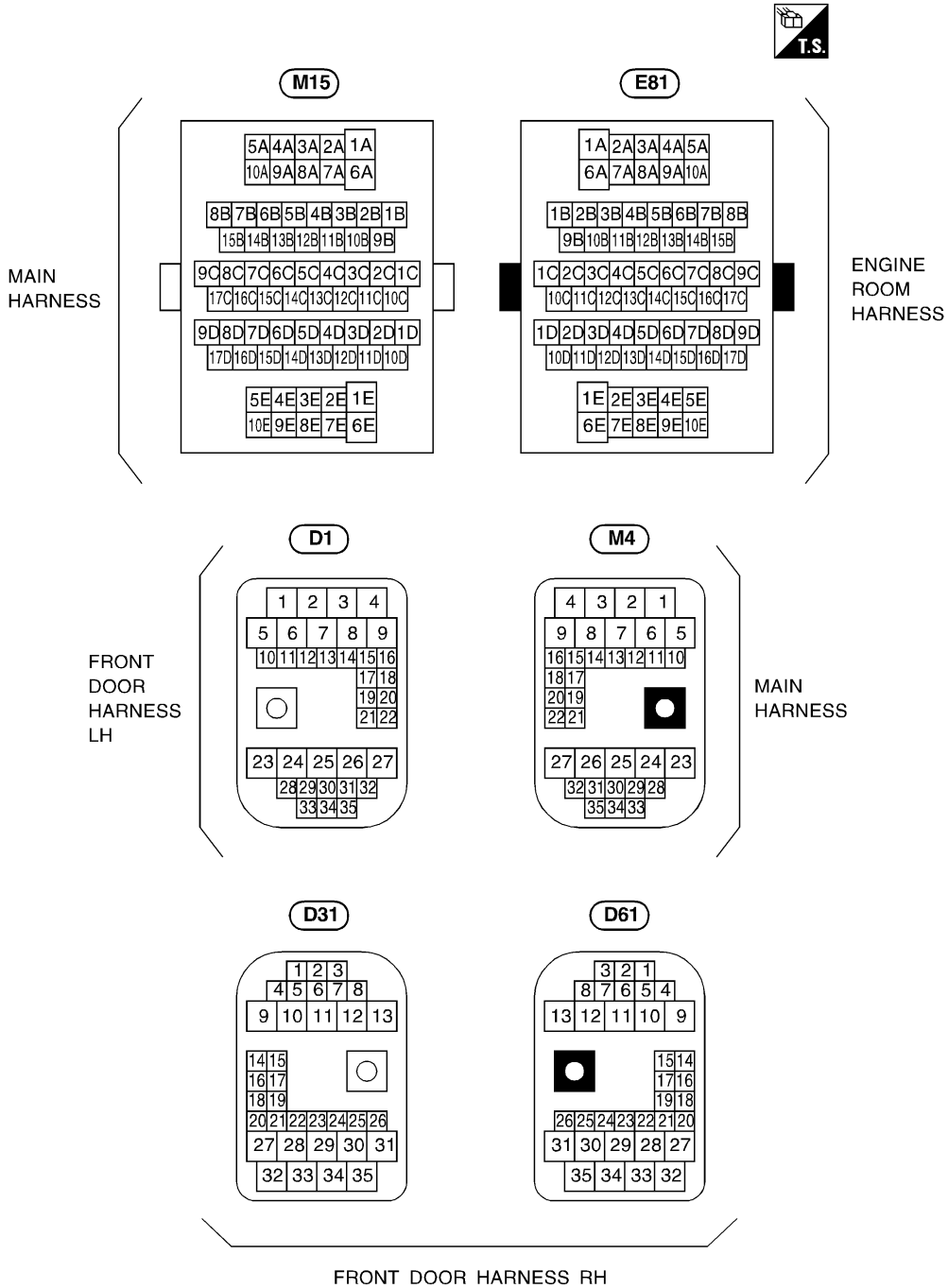
Do not overtighten bolts, otherwise, they may be damaged.

# SUPER MULTIPLE JUNCTION (SMJ)

Terminal Arrangement

## Terminal Arrangement

NFEL0147

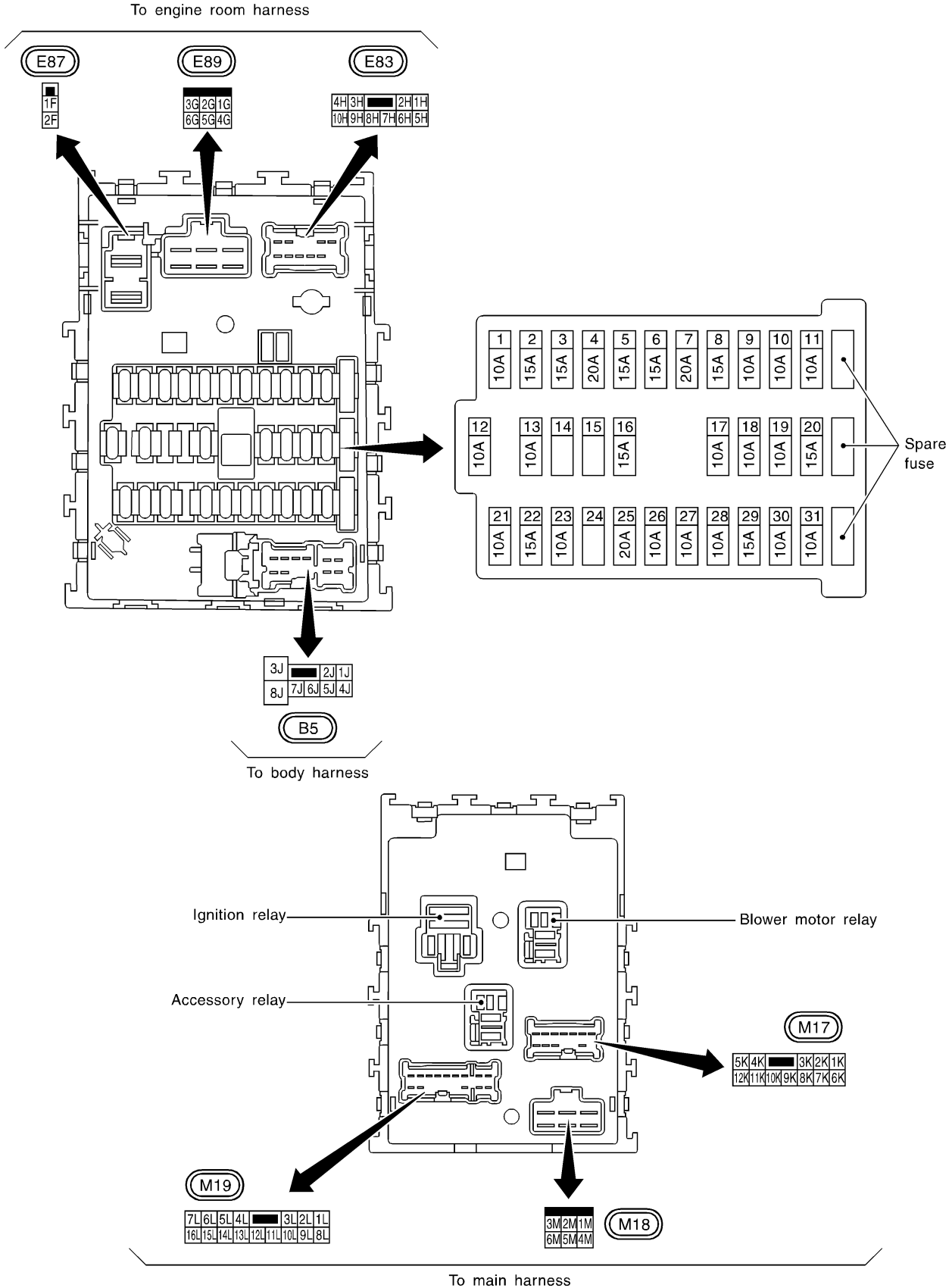


# FUSE BLOCK — JUNCTION BOX (J/B)

Terminal Arrangement

## Terminal Arrangement

NFEL0148

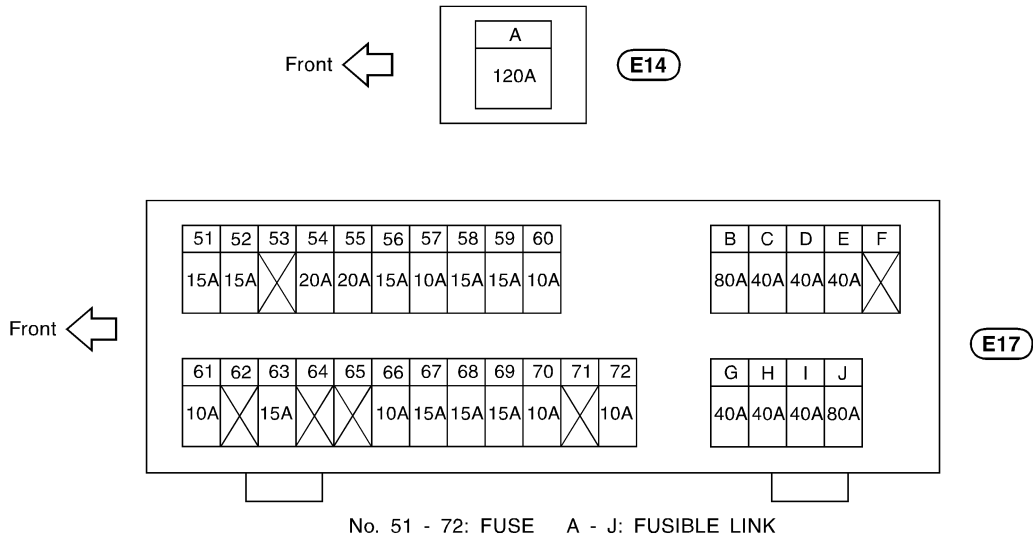


# FUSE AND FUSIBLE LINK BOX

Terminal Arrangement

## Terminal Arrangement

NFEL0149

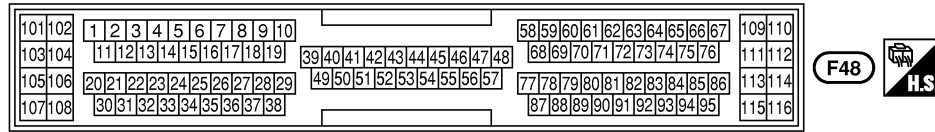


MEL0750

## Terminal Arrangement

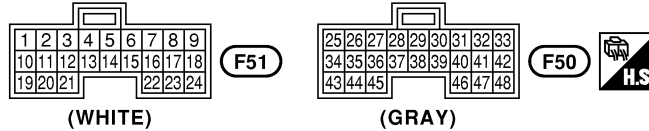
NFEL0150

### ECM



(GRAY)

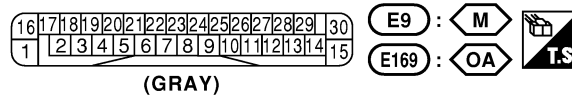
### TCM (TRANSMISSION CONTROL MODULE)



(WHITE)

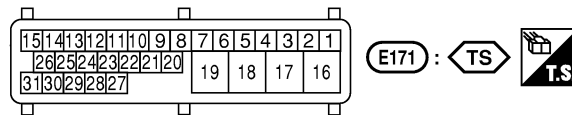
(GRAY)

### ABS ACTUATOR AND ELECTRIC UNIT



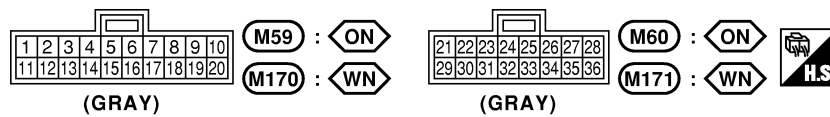
(GRAY)

### ABS/TCS CONTROL UNIT



(BLACK)

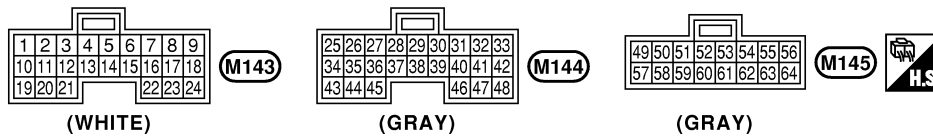
### A/C AUTO AMP.



(GRAY)

(GRAY)

### SMART ENTRANCE CONTROL UNIT



(WHITE)

(GRAY)

(GRAY)

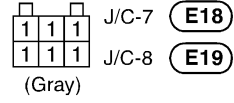
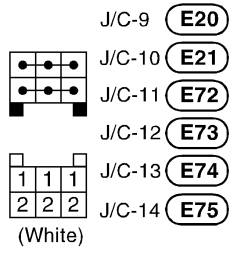
- : With TCS
- : With M/T
- : Without TCS for A/T models
- : With navigation system
- : Without navigation system

# JOINT CONNECTOR (J/C)

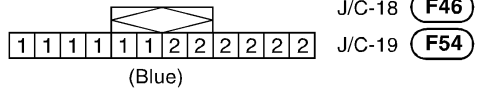
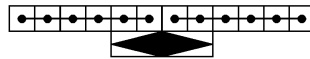
Terminal Arrangement

## Terminal Arrangement

NFEL0160



J/C-3 **M29**



## 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)
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)
Applied pushing force	—		
Radiator cap relief pressure kPa (kg/cm <sup>2</sup> , psi)	78 - 98 (0.8 - 1.0, 11 - 14)		
Cooling system leakage testing pressure, kPa (kg/cm <sup>2</sup> , psi)	157 (1.6, 23)		
Compression pressure kPa (kg/cm <sup>2</sup> , 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°)		
Degree minute (Decimal degree)	Minimum	0 (0)		
	Nominal	1 (0.04)		
	Maximum	2 (0.08)		
Total toe-in	Minimum	0 (0)		
	Nominal	1 (0.04)		
	Maximum	2 (0.08)		
Distance (A - B) mm (in)	Minimum	0 (0)		
	Nominal	1 (0.04)		
	Maximum	2 (0.08)		
Angle (left plus right) Degree minute (Decimal degree)	Minimum	18' (0.30°)		
	Nominal	24' (0.40°)		
	Maximum	30' (0.50°)		
Wheel turning angle (Full turn)	Minimum	29°30' (29.50°)	36°00' (36.00°)	
	Inside	Nominal	33°00' (33.00°)	39°30' (39.50°)
		Maximum	34°00' (34.00°)	40°30' (40.50°)
Degree minute (Decimal degree)	Outside	Nominal	28°30' (28.50°)	32°00' (32.00°)

\* 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.

## 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	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 Foot lever type: 4 - 5

\*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	RS5F50V	4.3 - 4.5
	A/T	RS5F50A	4.5 - 4.8
		RE4F04B	8.5
Power steering system		1.1	1-1/8 qt
Air conditioning system	Refrigerant	0.5 kg	1.1 lb
	Compressor oil	0.2	6.8 fl oz

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

## NOTES