

ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS

SECTION

FE

MODIFICATION NOTICE:

- TB48DE engine model has been added.

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ACCELERATOR CONTROL SYSTEM

Accelerator Control System

CAUTION:

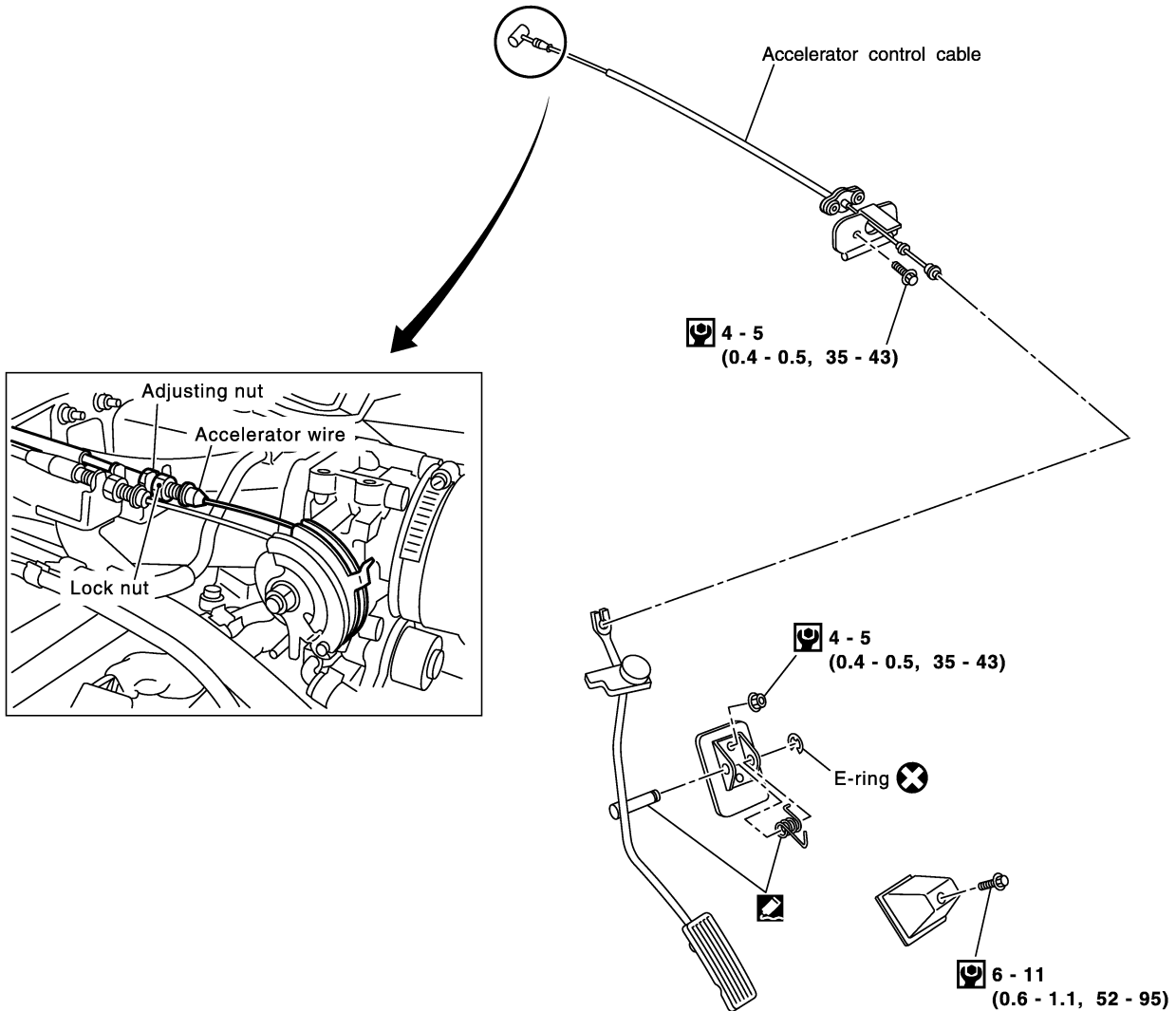
The accelerator wire should be adjusted when removing and replacing any parts of the accelerator control system, shown in the illustration.


- a. Warm up engine to normal operating temperature. Then stop it.
- b. Check to see if throttle valve fully opens when accelerator pedal is fully depressed and if it returns to idle position when released.
- c. Adjust accelerator pedal free play by turning adjusting nut.
- d. Check accelerator control parts for improper contact with any adjacent parts.
- e. When connecting accelerator wire, be careful not to twist or scratch its inner wire.
- f. Apply a light coat of recommended multi-purpose grease to all sliding or friction surfaces. Do not apply grease to wire.
- g. For ASCD wire adjustment, refer to "ASCD Wire Adjustment" in EL section.

ACCELERATOR CONTROL SYSTEM

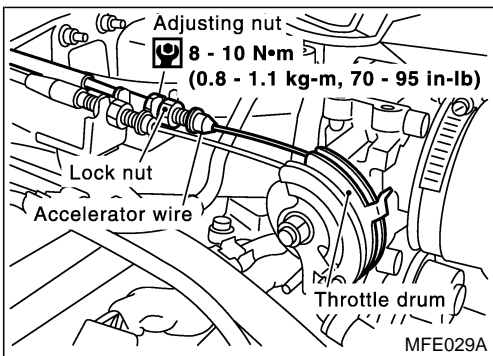
TB48DE ENGINE MODELS

SEC. 180



 : N·m (kg-m, in-lb)

MFE028A



Adjusting Accelerator Wire

1. Loosen lock nut, and tighten adjusting nut until throttle drum starts to move.
2. From that position turn back adjusting nut 1.5 to 2 turns, and fasten it with lock nut.

TROUBLE DIAGNOSES

Self-diagnosis for Sub Fuel Tank Control Module

SUB FUEL TANK CONTROL MODULE TERMINALS AND REFERENCE VALUE

Remarks: Specification data are reference values, and measured between each terminal and ⑪ (ground) with a voltmeter.

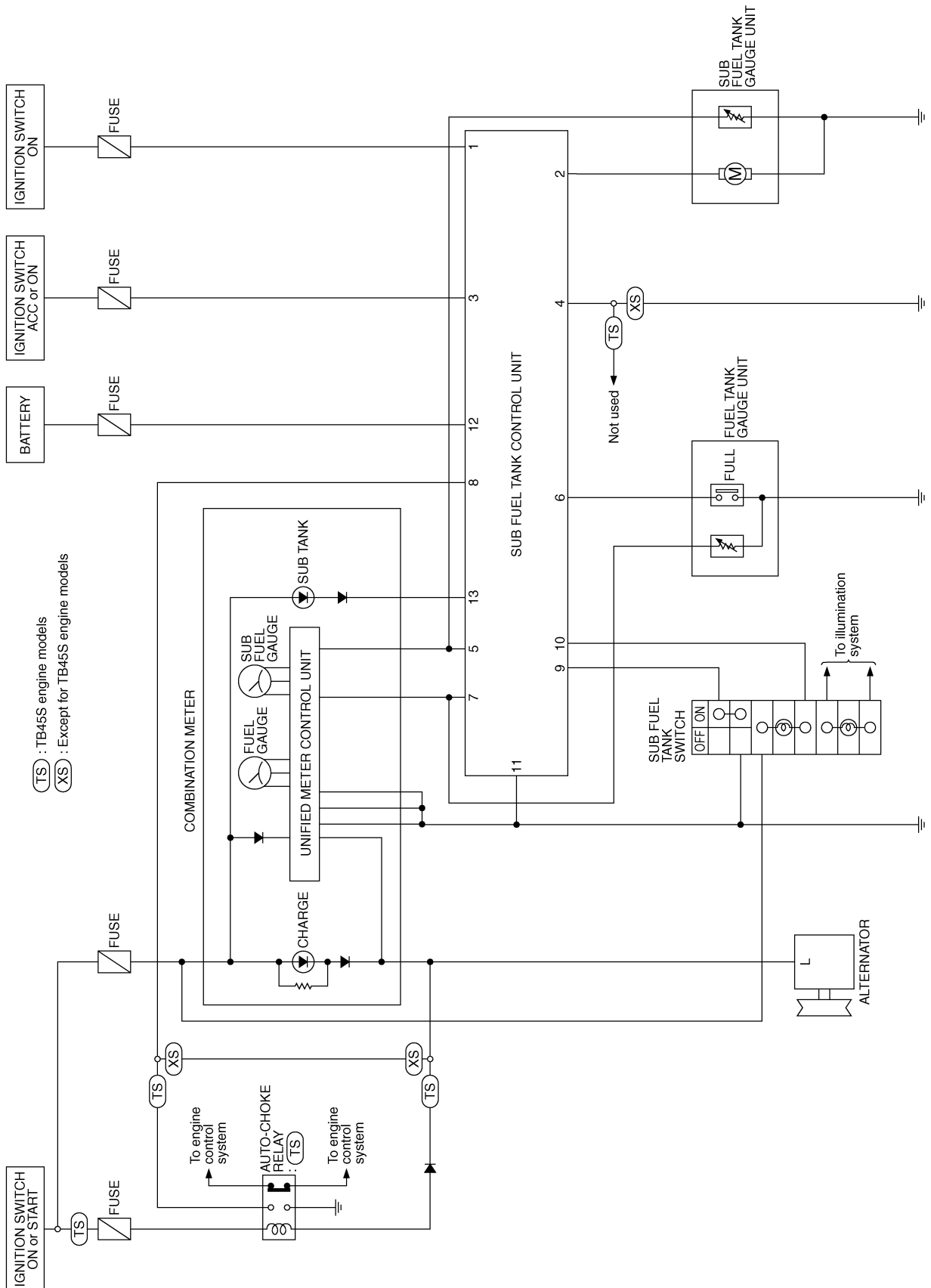
TERMINAL NO.	WIRE COLOR	ITEM	CONDITION	DATA (DC voltage)
	Wagon and Hardtop			
1	R	Power source	Ignition switch "ON"	Approximately 12V
2	G/B	Sub fuel pump	<div style="border: 1px solid black; padding: 2px;"> Ignition switch "ON" <ul style="list-style-type: none"> — Sub fuel tank switch is "ON". — Main fuel tank is not full. — Sub fuel tank is not empty. </div>	Approximately 12V
3	G/W	Power source	Ignition switch "ON" or "ACC"	Approximately 12V
4	L/Y B*1	Grounding	Ignition switch "ON"	Approximately 0V
5	W/L	Sub fuel gauge	Ignition switch "ON"	Approximately 0 - 4V
6	PU	Full switch	<div style="border: 1px solid black; padding: 2px;"> Ignition switch "ON" <ul style="list-style-type: none"> — Main fuel tank is not full. </div>	Approximately 5V
7	G	Fuel gauge	Ignition switch "ON"	Approximately 0 - 2.5V
8	PU/R W/G*1	Engine running	Engine running	Approximately 12V
9	G/B	Sub fuel tank switch	Ignition switch "ON"	Approximately 5V
10	L	Indicator	Ignition switch "ON"	Approximately 12V
12	R	Power source	Any time	Approximately 12V
13	W/R	Sub fuel tank warning lamp	Ignition switch "ON"	Approximately 0V

*1: Except for TB45S engine models

TROUBLE DIAGNOSES

Circuit Diagram — S/TANK —

WAGON AND HARDTOP MODELS



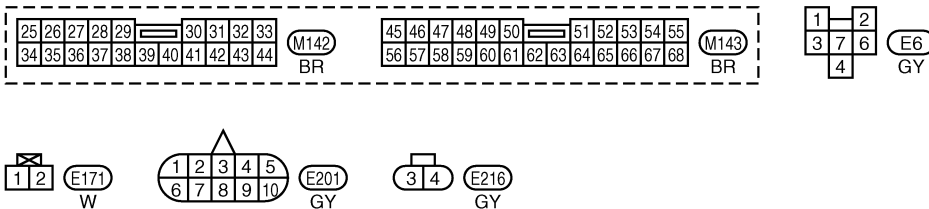
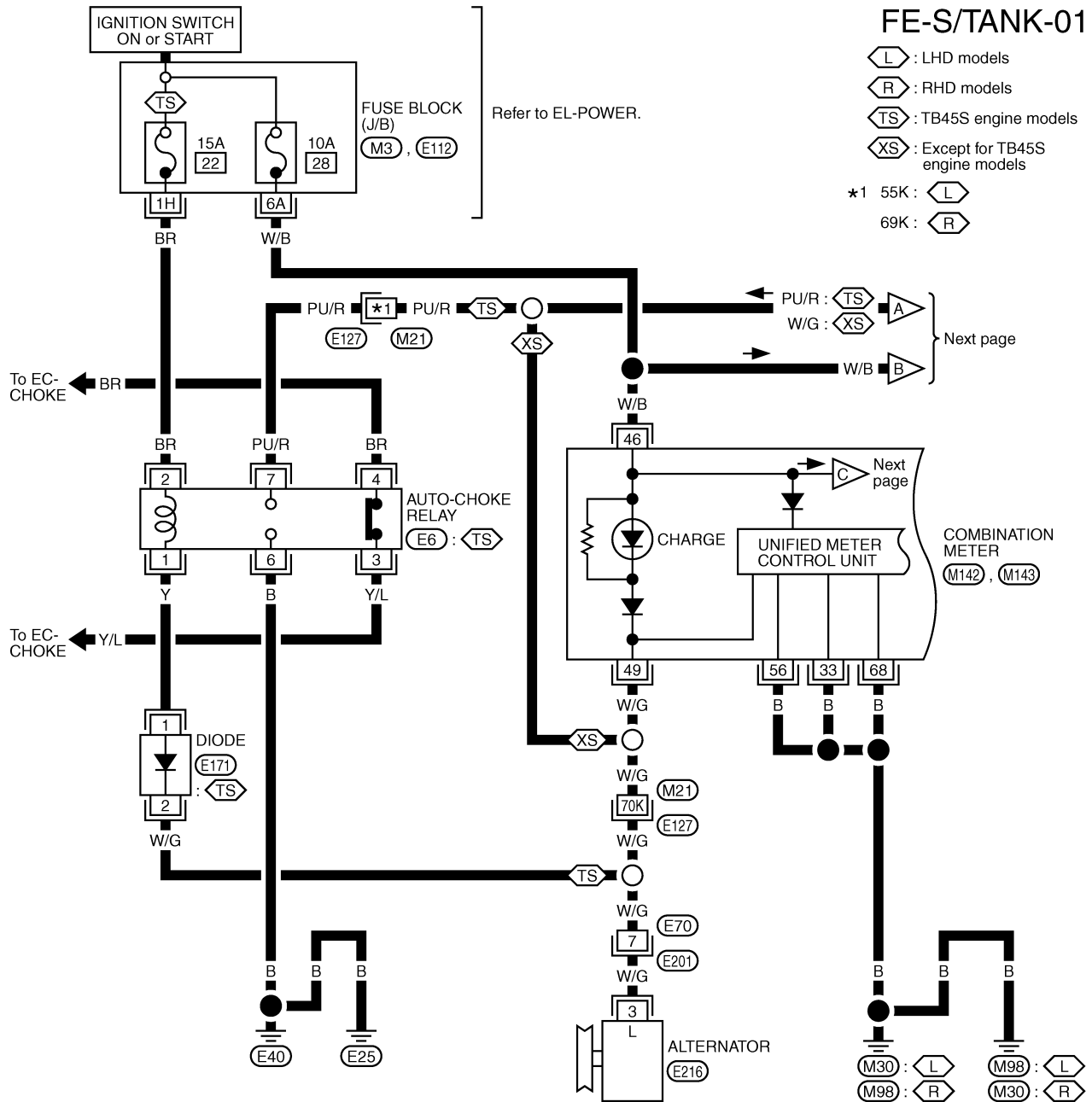
WAGON AND HARDTOP MODELS

 : LHD models

 : RHD models

XS : Except for TB45S engine models

69K :



(M21), (E127)

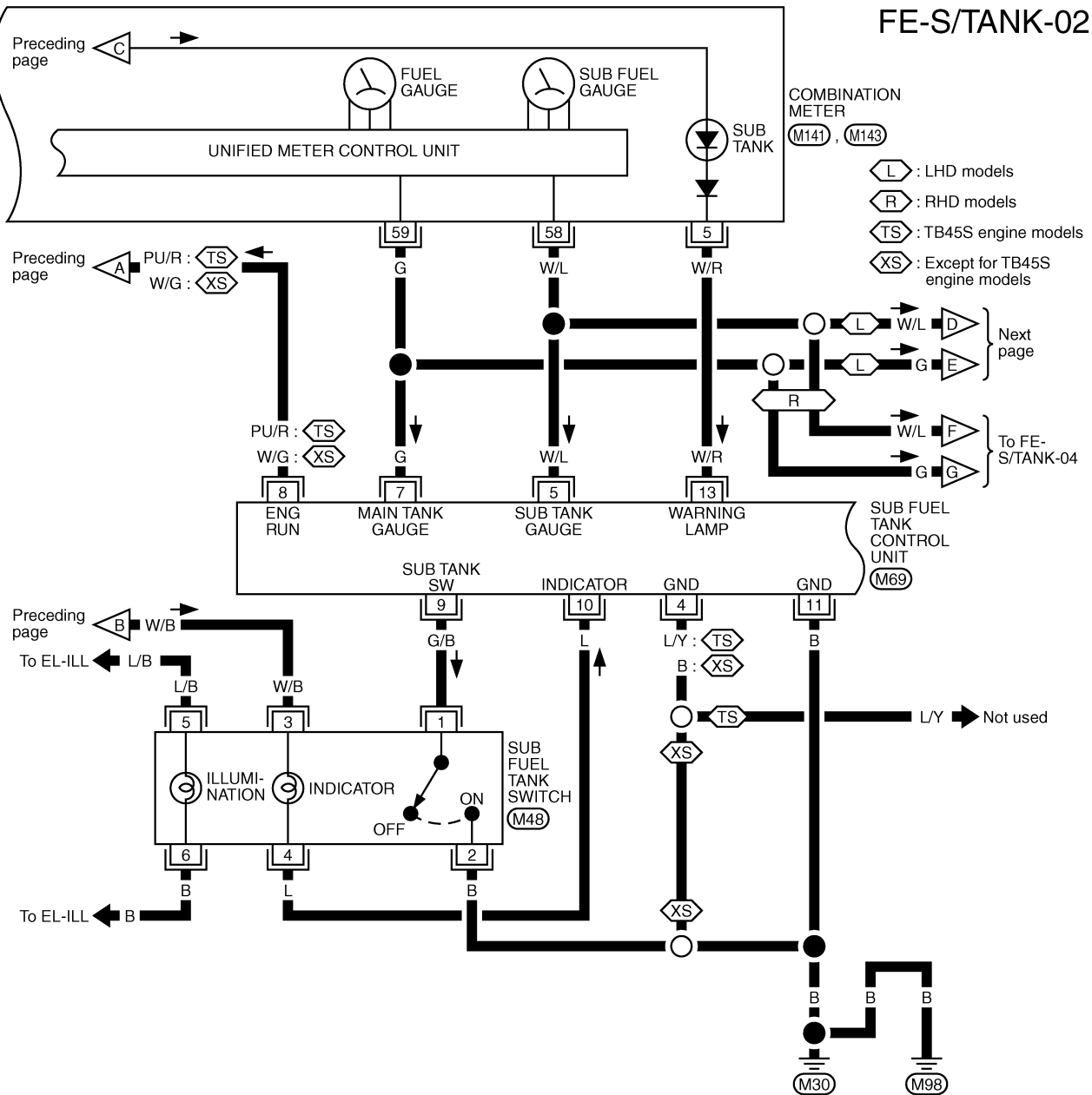
E112

TROUBLE DIAGNOSES

Wiring Diagram — S/TANK — (Cont'd)

WAGON AND HARDTOP MODELS

FE-S/TANK-02



2	1
3	5

M48
BR

10	3	13	9	8	7	12
2	4	6		11	5	1

M69
BR

1	2	3	4	5	6			7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23	24

M141
W

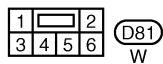
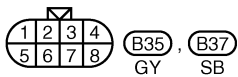
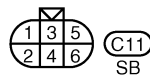
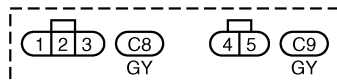
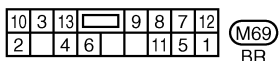
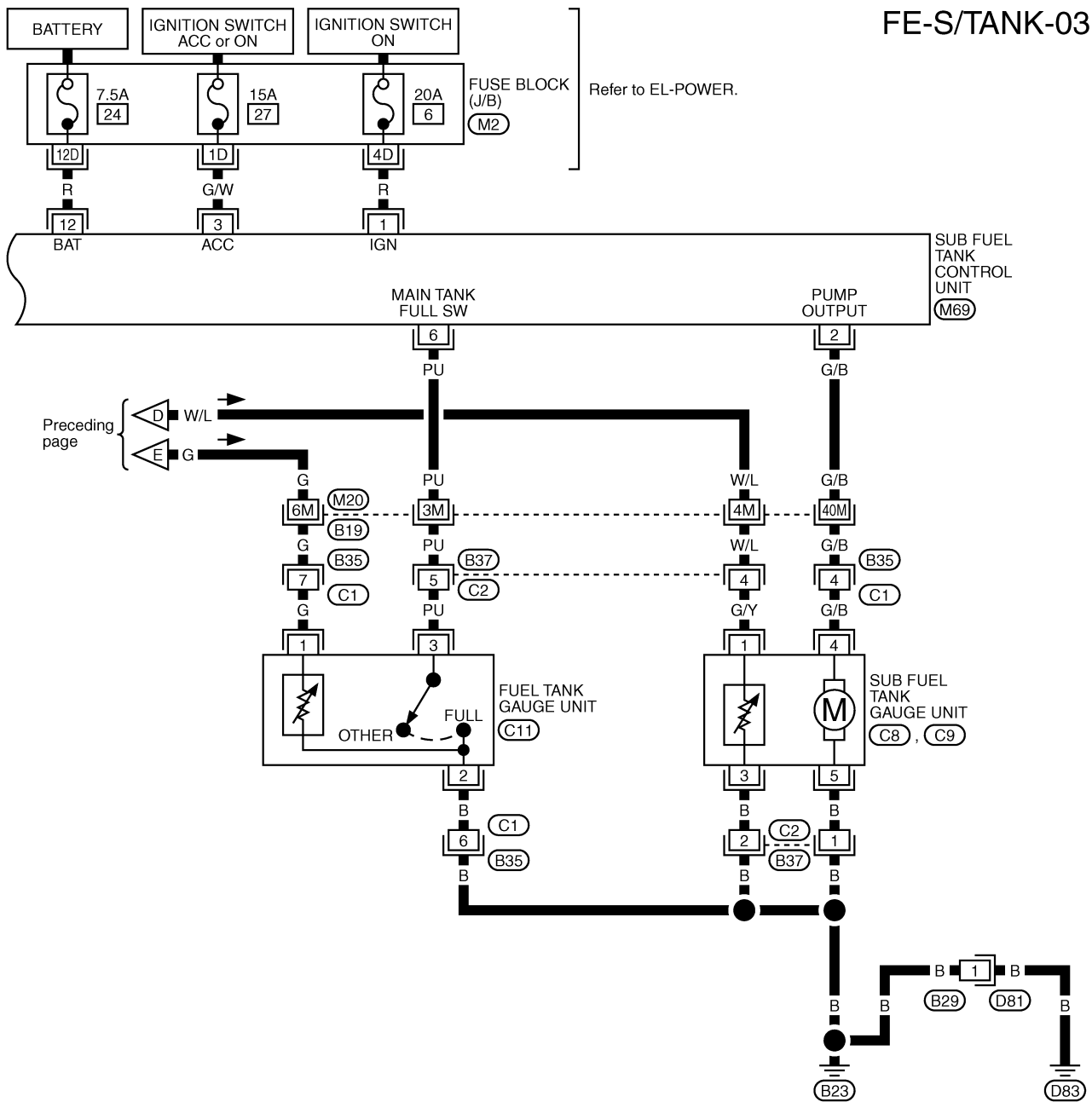
45	46	47	48	49	50			51	52	53	54	55
56	57	58	59	60	61	62	63	64	65	66	67	68

M143
BR

Wiring Diagram — S/TANK — (Cont'd)

WAGON AND HARDTOP MODELS (LHD)

FE-S/TANK-03



Refer to last page (Foldout page).

(M20), (B19)

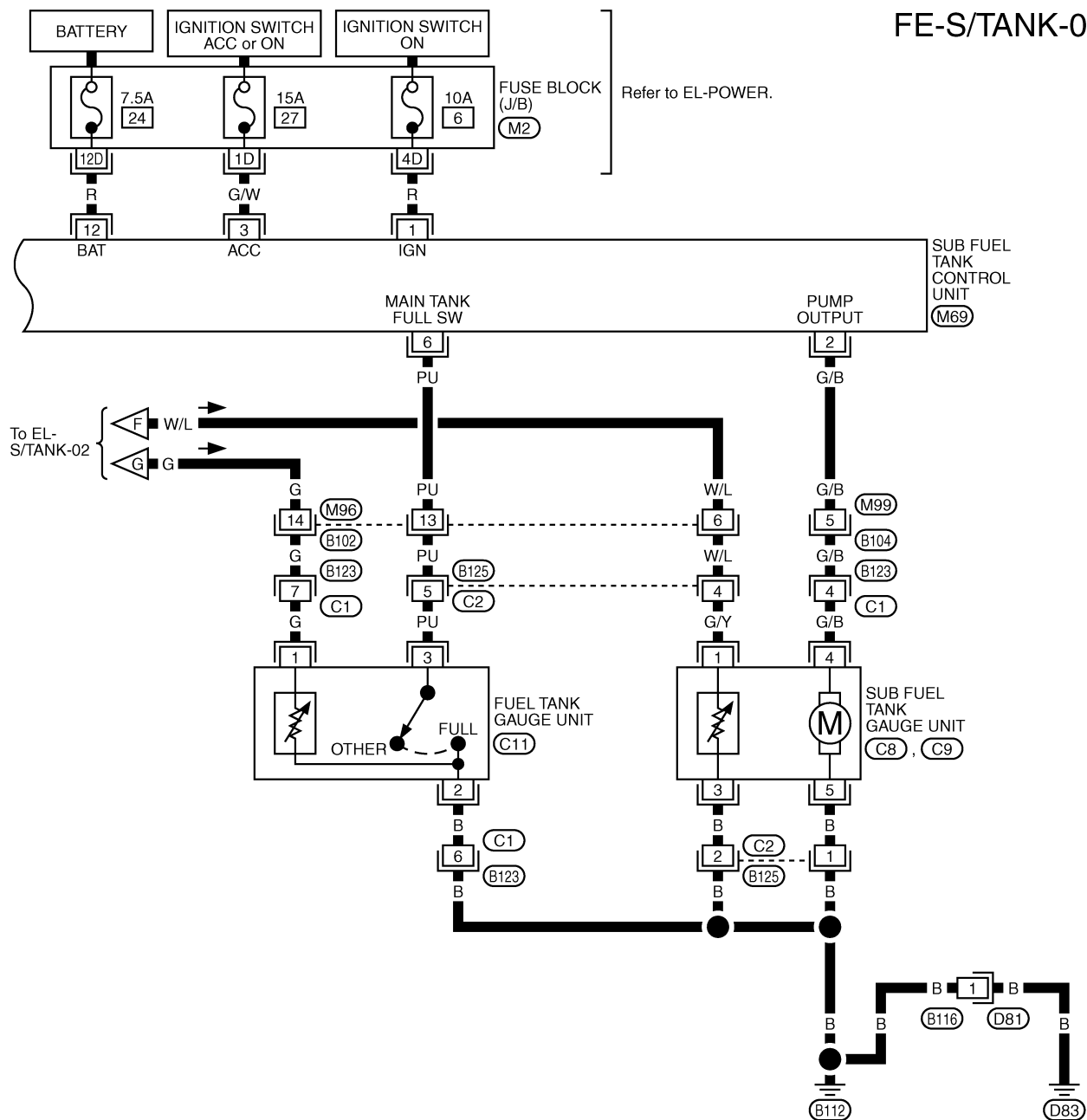
M2

TROUBLE DIAGNOSES

Wiring Diagram — S/TANK — (Cont'd)

WAGON AND HARDTOP MODELS (RHD)

FE-S/TANK-04



10	3	13		9	8	7	12
2		4	6		11	5	1

(M69)
BR

1	2	3

(C8)
GY

4	5

(C9)
GY

1	3	5
2	4	6

(C11)
SB

1	2	3	4	5		6	7	8	9
10	11	12	13	14	15	16	17	18	19

(B102)
W

1	2	3
4	5	6

(B104)
W

1	2	3	4
5	6	7	8

(B123), (B125)
GY, SB

1		2
3	4	5

(D81)
W

Refer to last page (Foldout page).

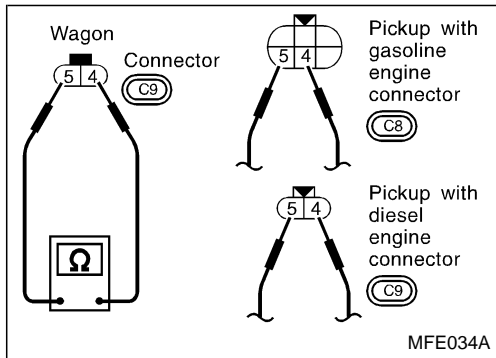
(M2)

TROUBLE DIAGNOSES

Component Inspection

SUB FUEL TANK GAUGE UNIT

Refer to "METER AND GAUGES" in EL section.



Sub fuel pump

Check resistance between terminals ④ and ⑤ with ohmmeter.

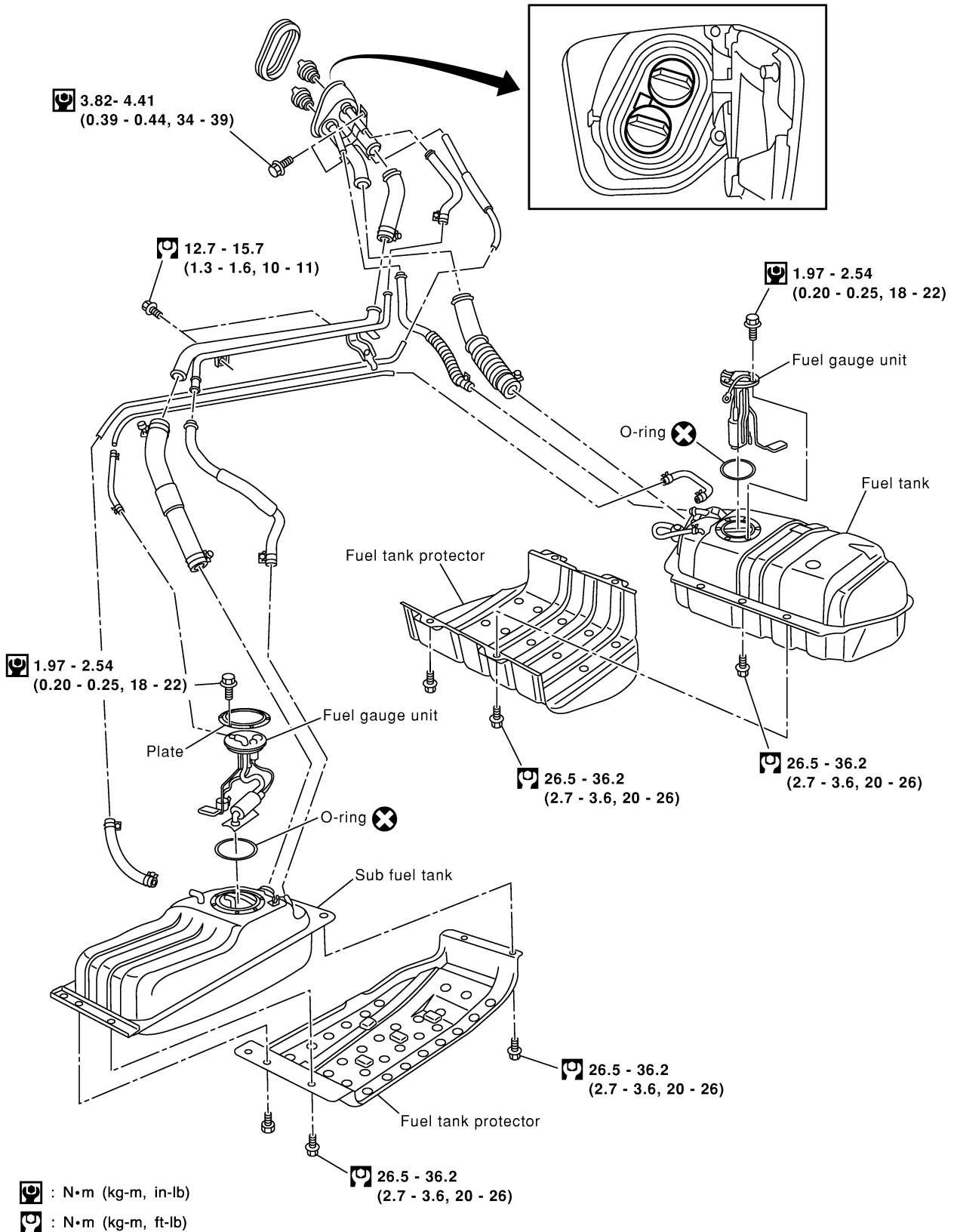
Resistance: Approximately less than 2Ω

FUEL SYSTEM

SEC. 172

With sub fuel tank

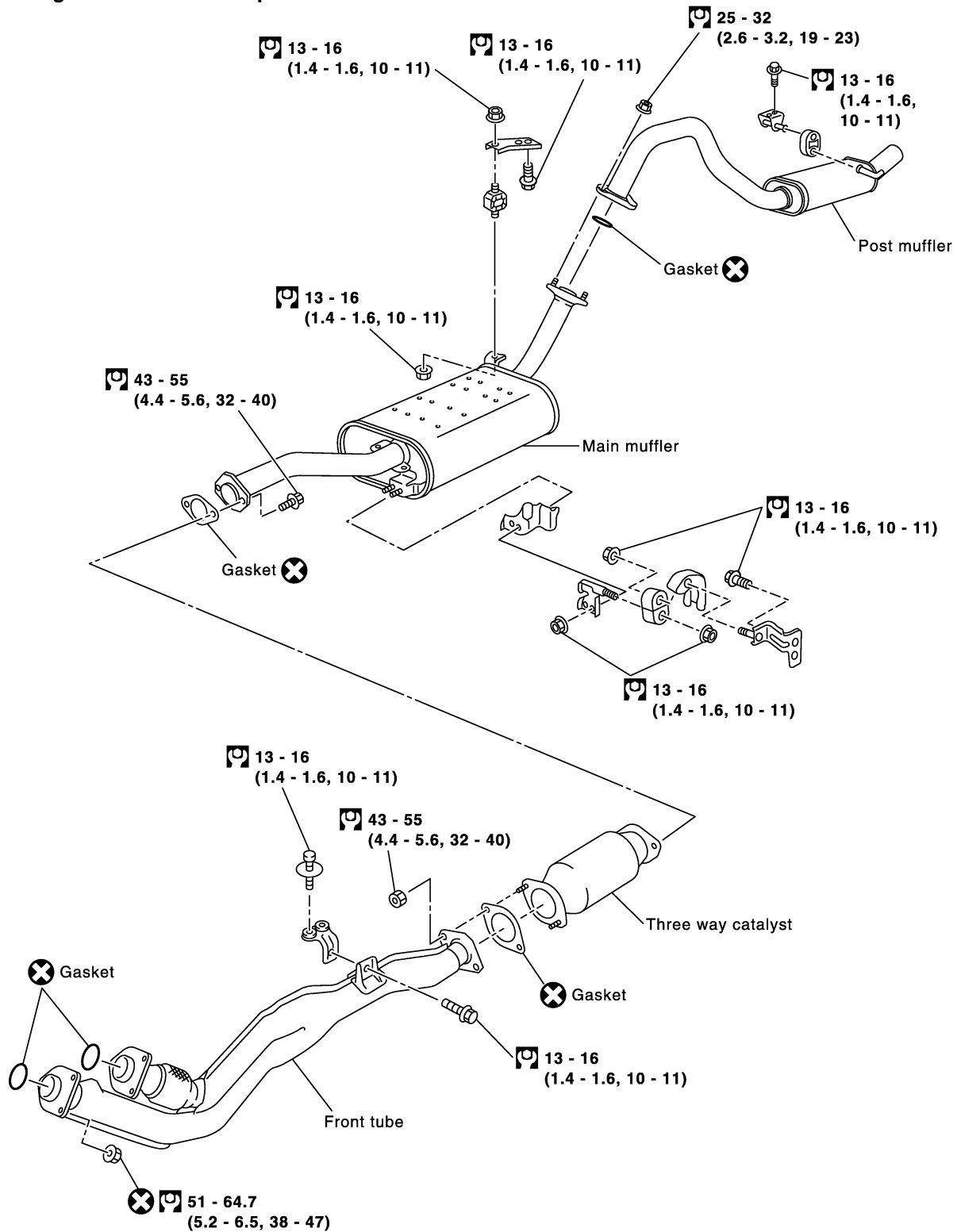
(Wagon with gasoline engine)



EXHAUST SYSTEM

SEC. 200

TB48DE engine models for Europe



⊗ : Always replace after every disassembly.

⌚ : N·m (kg-m, ft-lb)