

SECTION **BR**

MODIFICATION NOTICE:

- Front disc brake and rear disc brake have been changed.
- Parking brake has been changed.
- Wiring Diagrams have been changed.
- Service data and specification (SDS) have been changed.

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SEC. 440
CL36VD
CL41VD

① **R** To sliding portion

Only CL36VD

②

③ **P**

④

⑤

⑥ 122 - 159
(13 - 16,
90 - 117)

⑦

⑧

⑨

⑩

⑪ **P**

⑫ 17 - 20
(1.7 - 2.0,
12 - 14)

⑬

⑭ 39 - 52 (4.0 - 5.3, 29 - 38)

⑮

⑯ **R**

⑰ **B**

⑱ **R**

Brake hose

: Always replace after every disassembly.

: N·m (kg-m, ft-lb)

P : PBC (Poly Butyl Cuprysil) grease or silicon-based grease point

R : Rubber grease point

B : Brake fluid point

SBR235F

- BR-2

REAR DISC BRAKE

SEC. 441

CL18V

CL20V

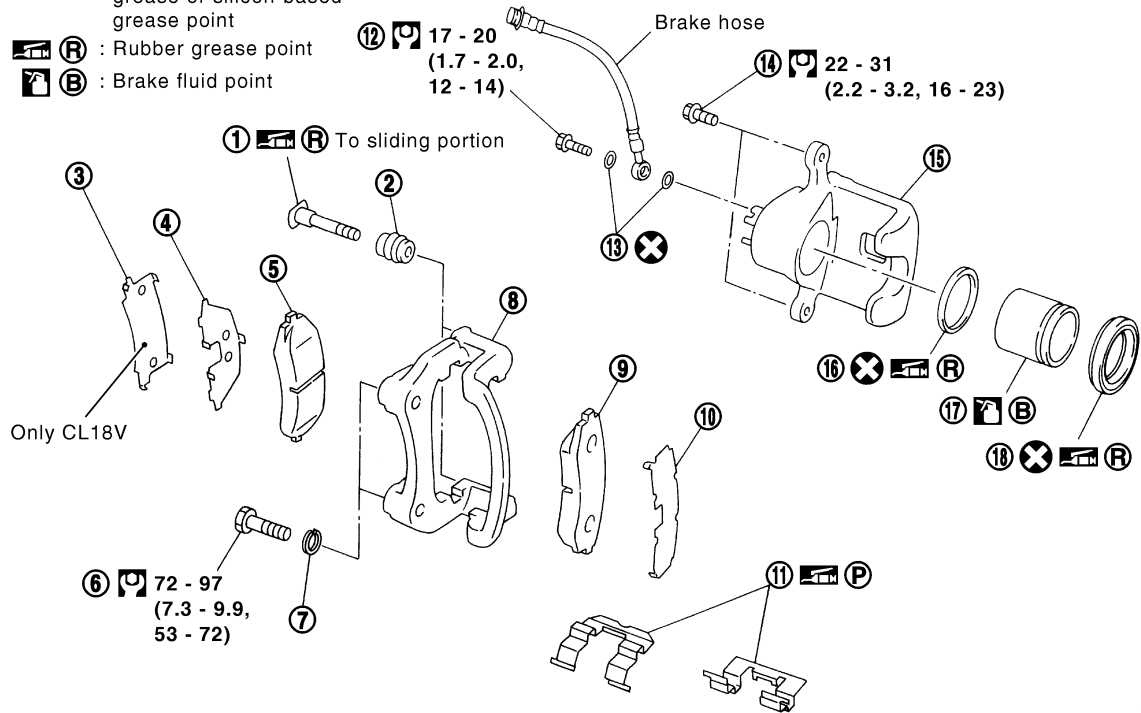
✕ : Always replace after every disassembly.

Ⓐ : N•m (kg-m, ft-lb)

Ⓐ Ⓐ : PBC (Poly Butyl Cuprysil) grease or silicon-based grease point

Ⓐ Ⓐ : Rubber grease point

Ⓐ Ⓐ : Brake fluid point



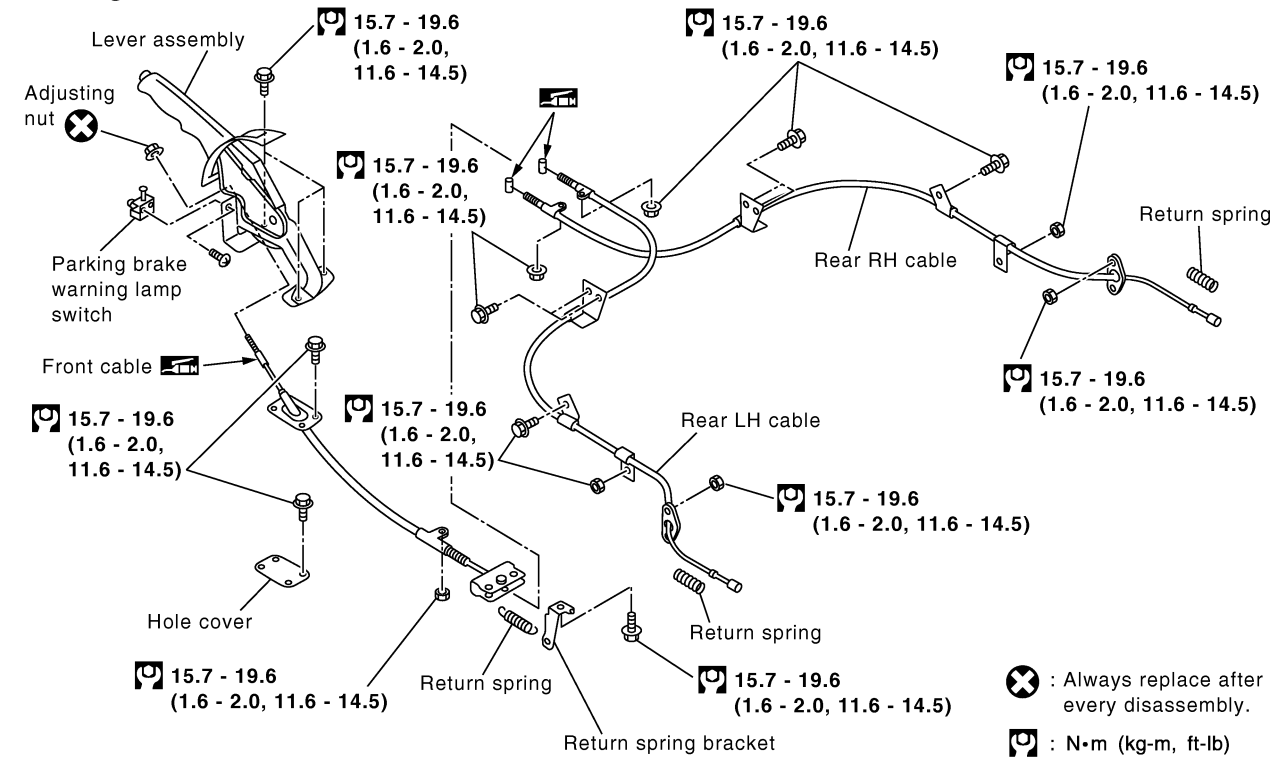
SBR236F

- | | | |
|-----------------------------|-------------------|-----------------|
| ① Main pin | ⑦ Washer | ⑬ Copper washer |
| ② Pin boot | ⑧ Torque member | ⑭ Main pin bolt |
| ③ Shim cover | ⑨ Outer pad | ⑮ Cylinder body |
| ④ Inner shim | ⑩ Outer shim | ⑯ Piston seal |
| ⑤ Inner pad | ⑪ Pad retainer | ⑰ Piston |
| ⑥ Torque member fixing bolt | ⑫ Connecting bolt | ⑱ Piston boot |

PARKING BRAKE CONTROL

SEC. 443

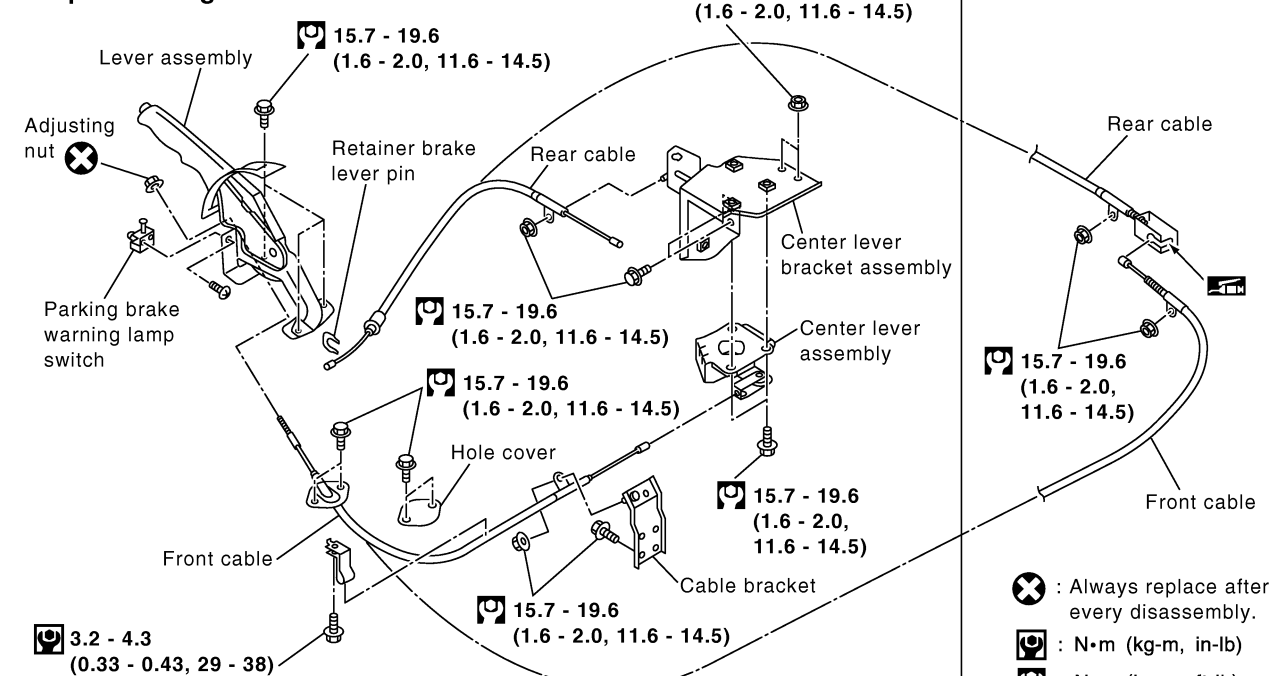
TB48 engine models



SBR240F

SEC. 443

Except TB48 engine models

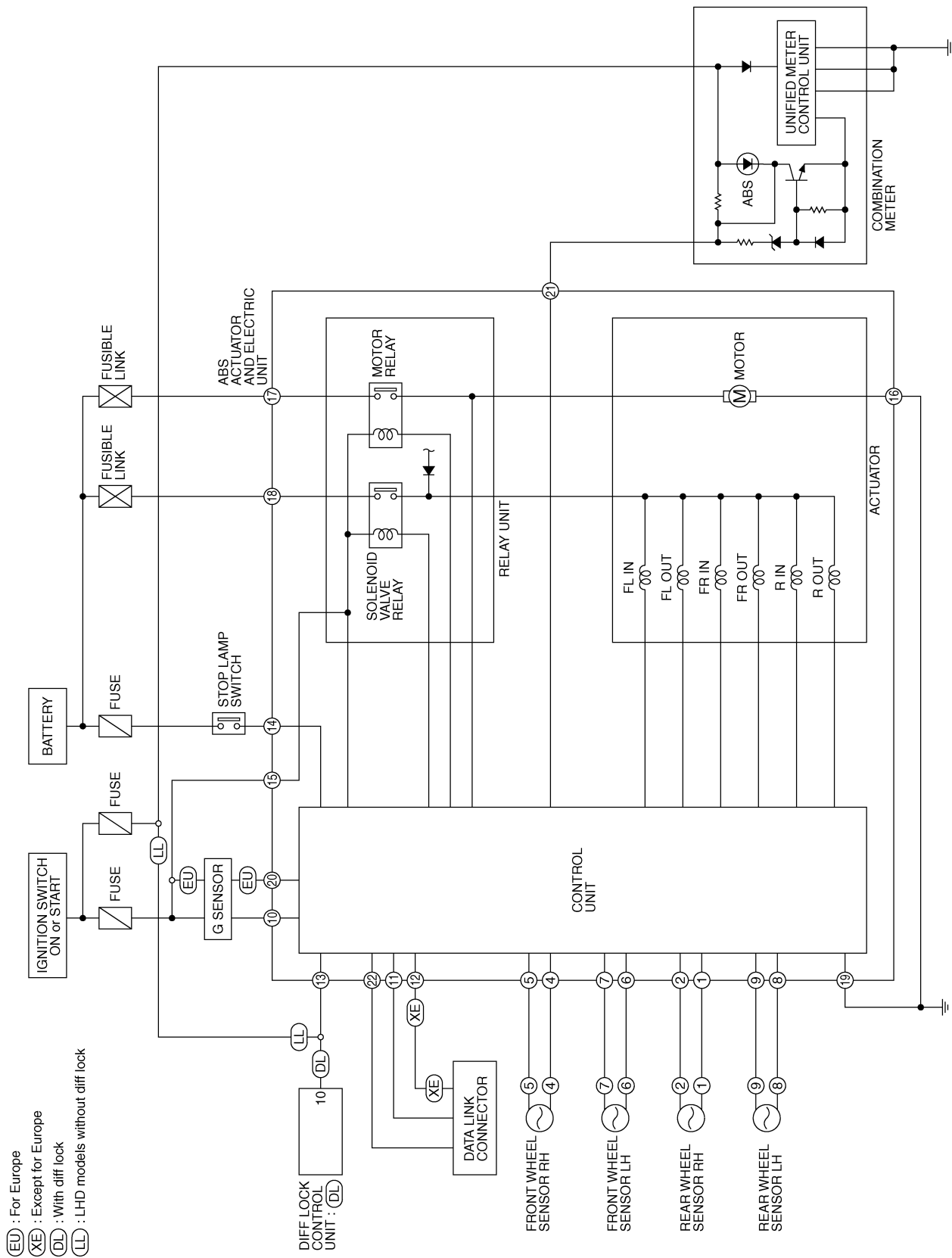


Models with sub-tank

Models without sub-tank

SBR241F

Schematic

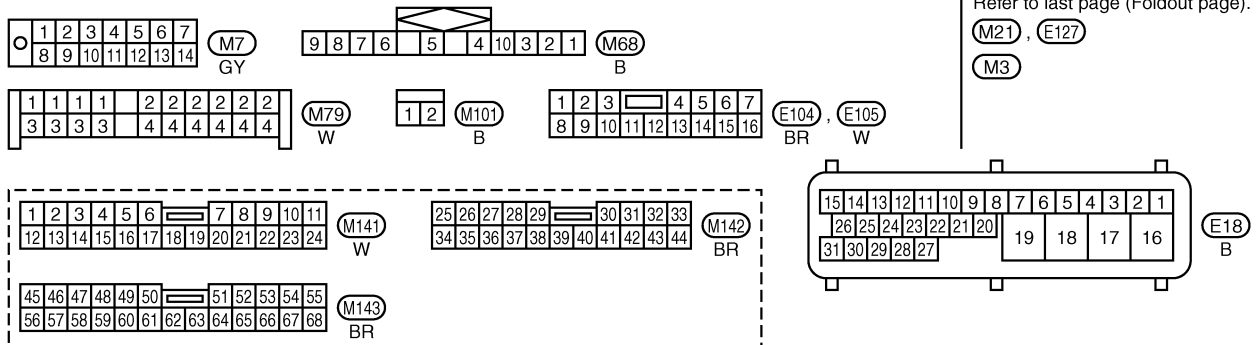
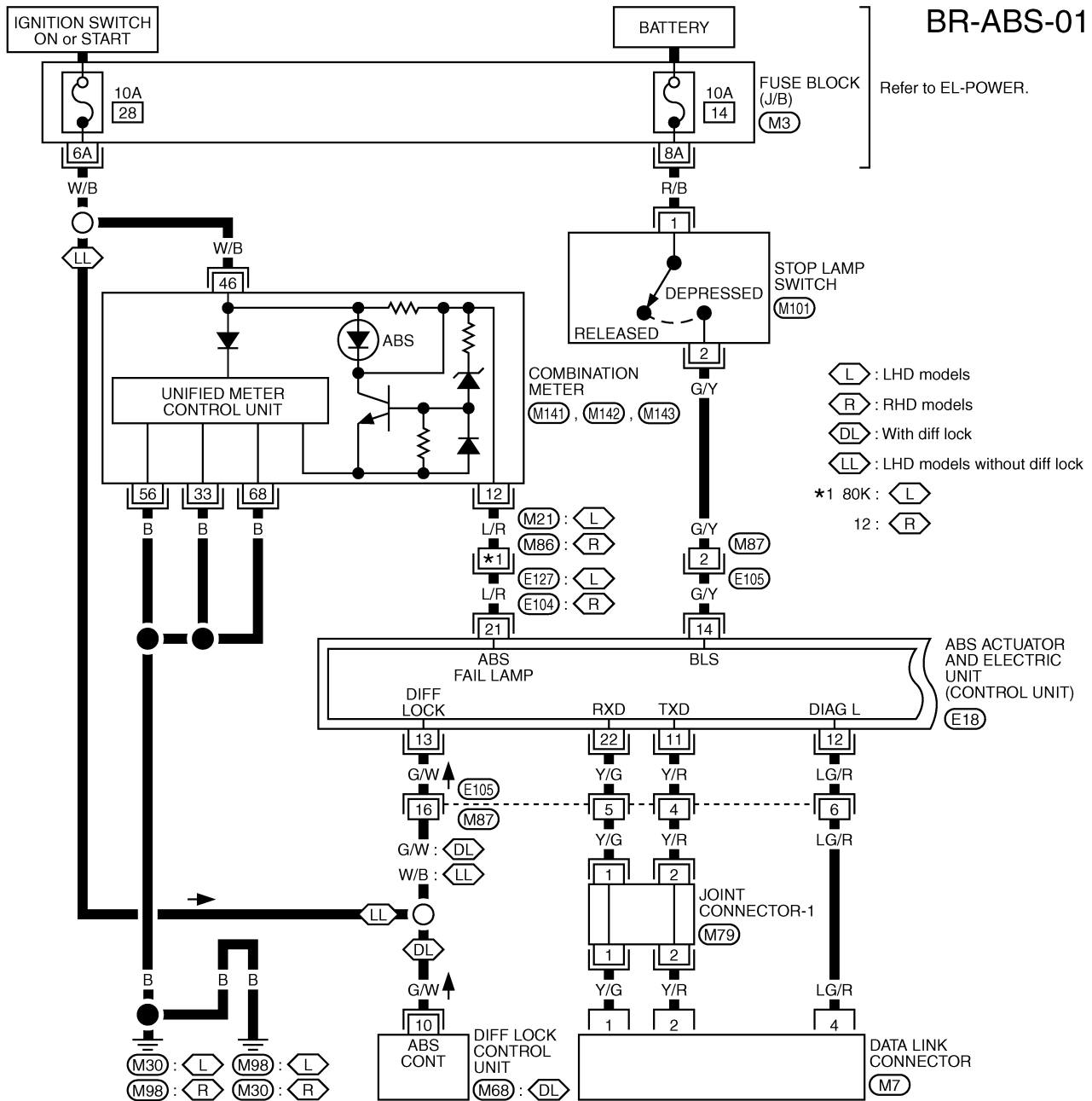


TROUBLE DIAGNOSES

Wiring Diagram — ABS —

BR-ABS-01

Refer to EL-POWER.

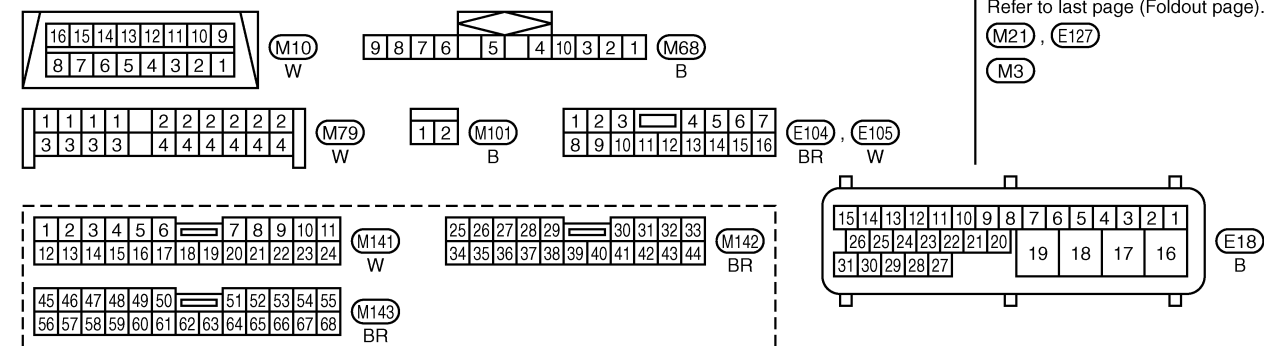
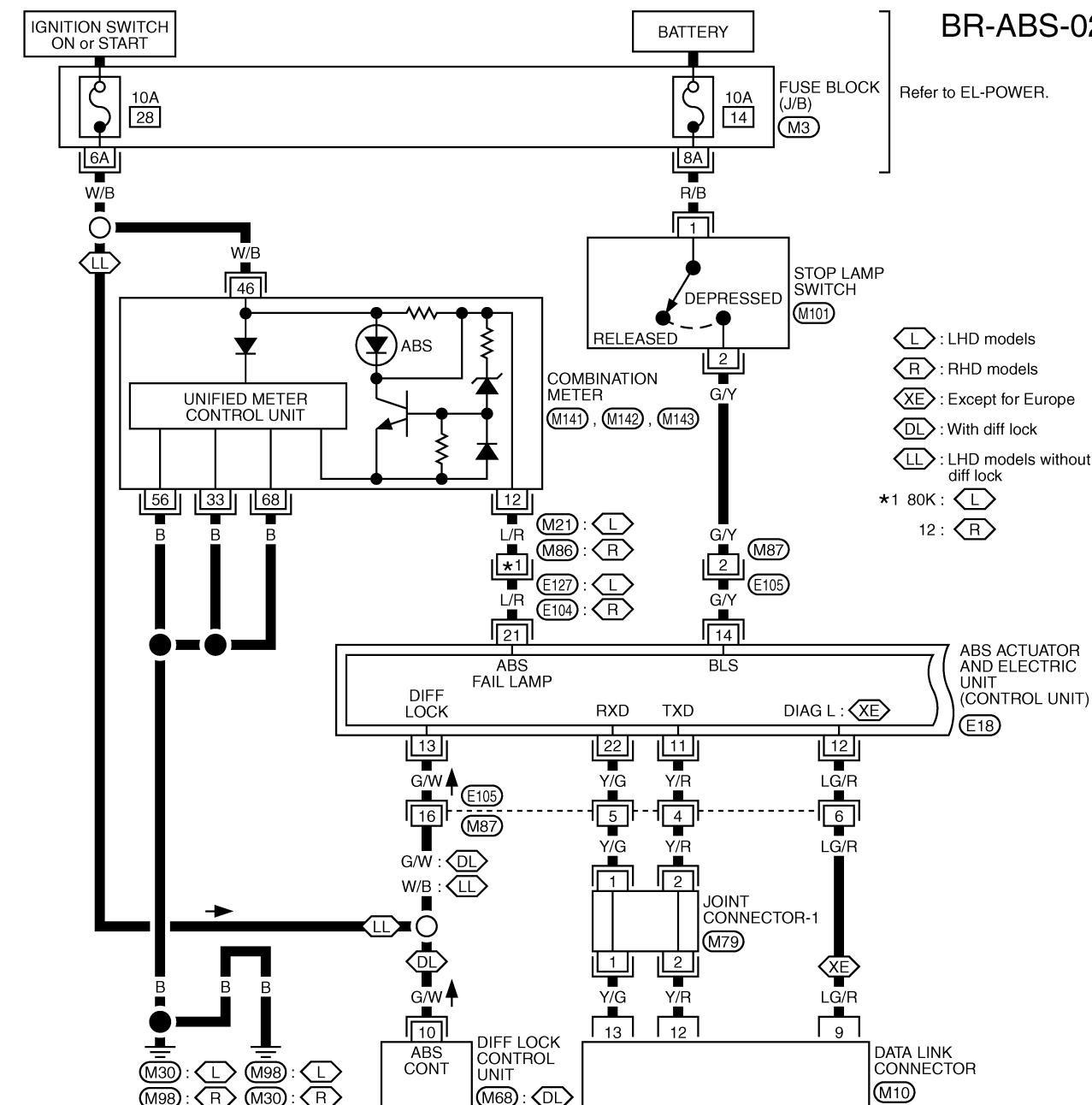


TROUBLE DIAGNOSES

Wiring Diagram — ABS — (Cont'd)

BR-ABS-02

Refer to EL-POWER.



Refer to last page (Foldout page).

(M21), (E127)
(M3)

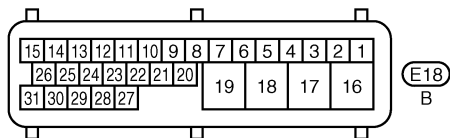
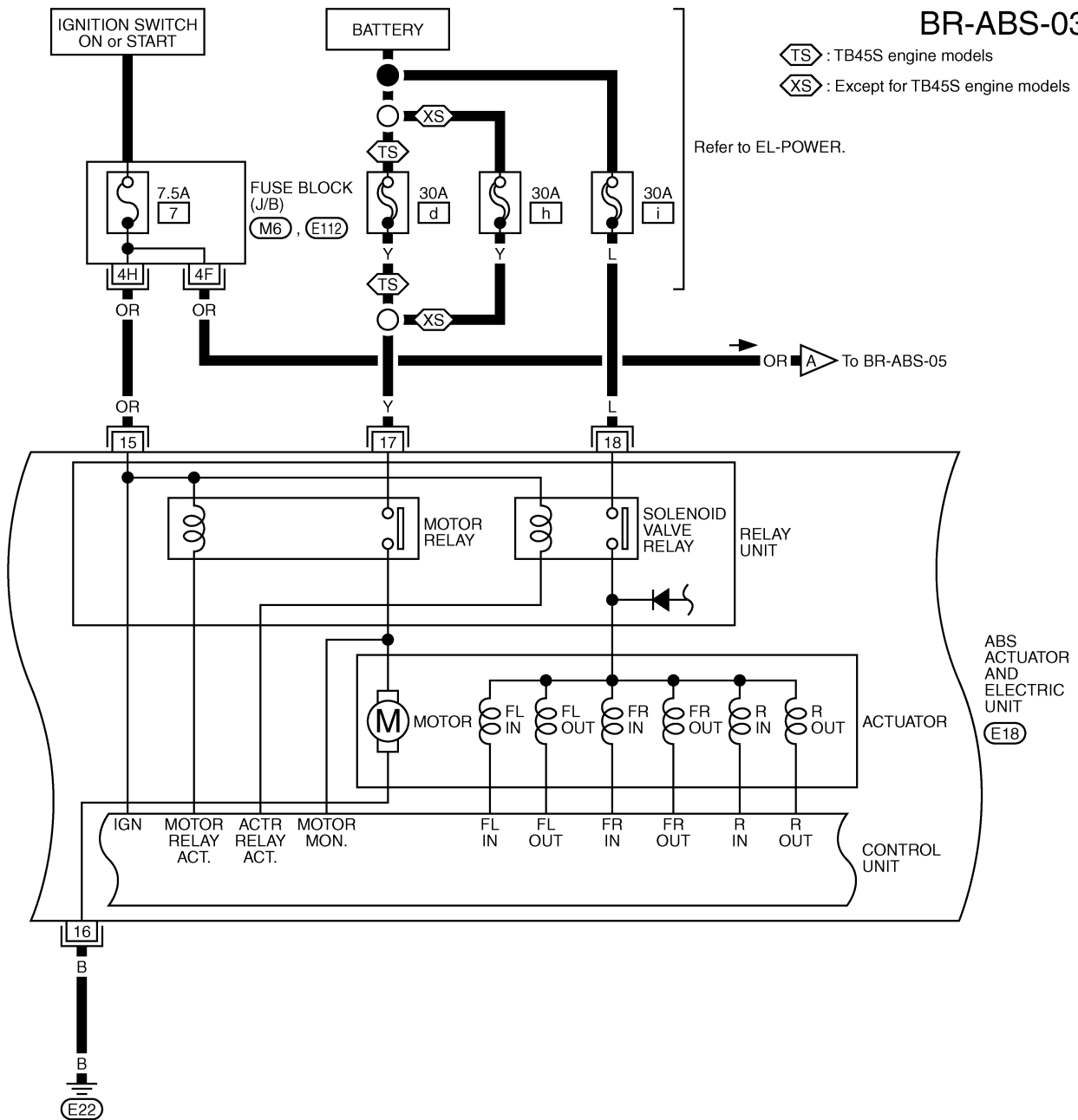
Wiring Diagram — ABS — (Cont'd)

BR-ABS-03

 : TB45S engine models

 XS : Except for TB45S engine models

Refer to EL-POWER.



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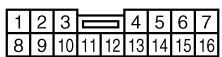
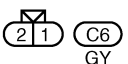
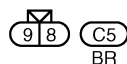
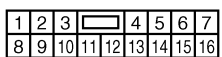
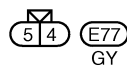
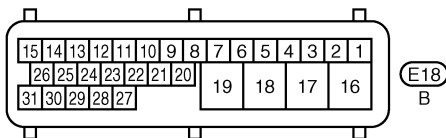
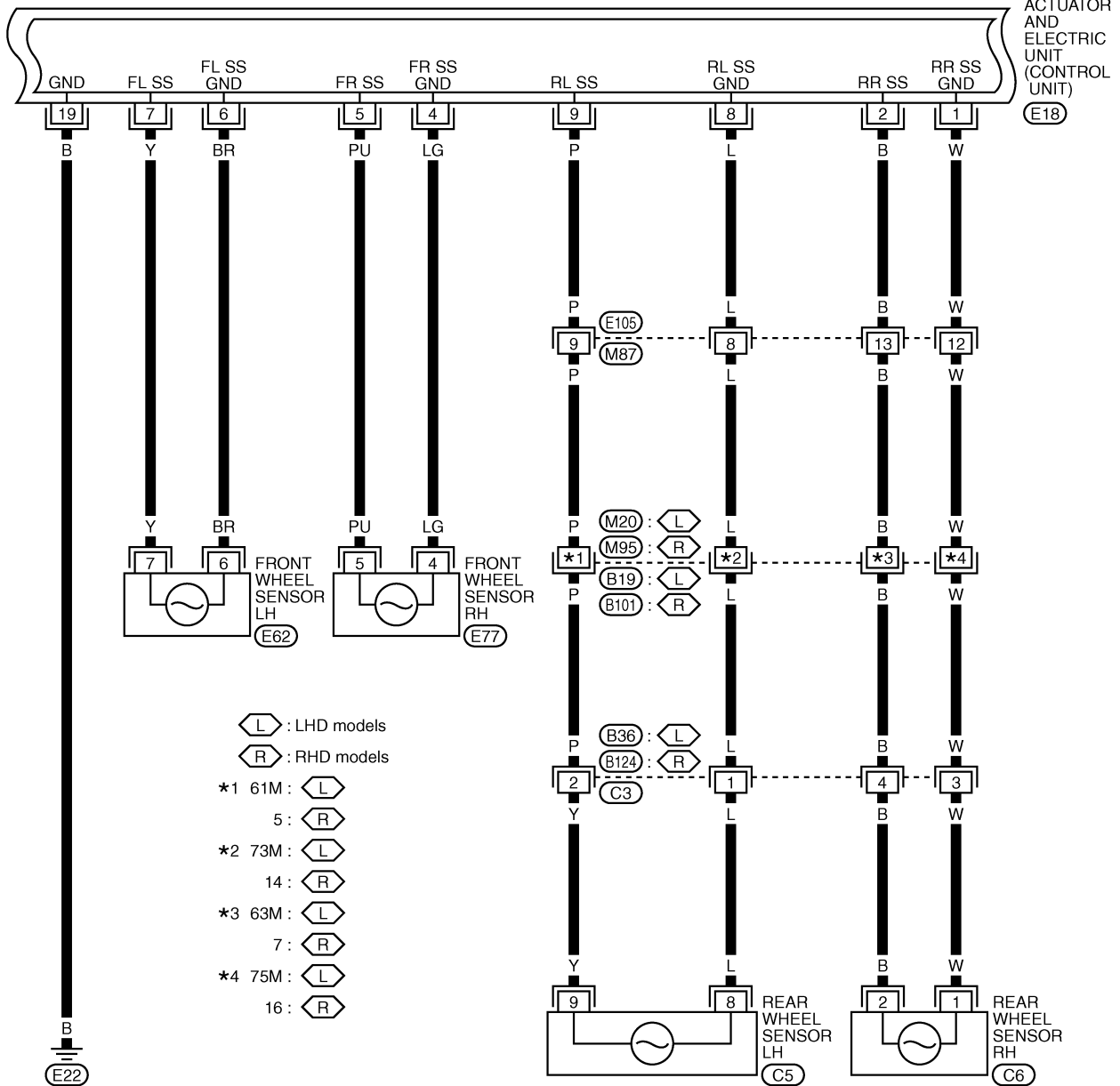
M6

E112

Wiring Diagram — ABS — (Cont'd)

BR-ABS-04

ABS
ACTUATOR
AND
ELECTRIC
UNIT
(CONTROL
UNIT)
(E18)

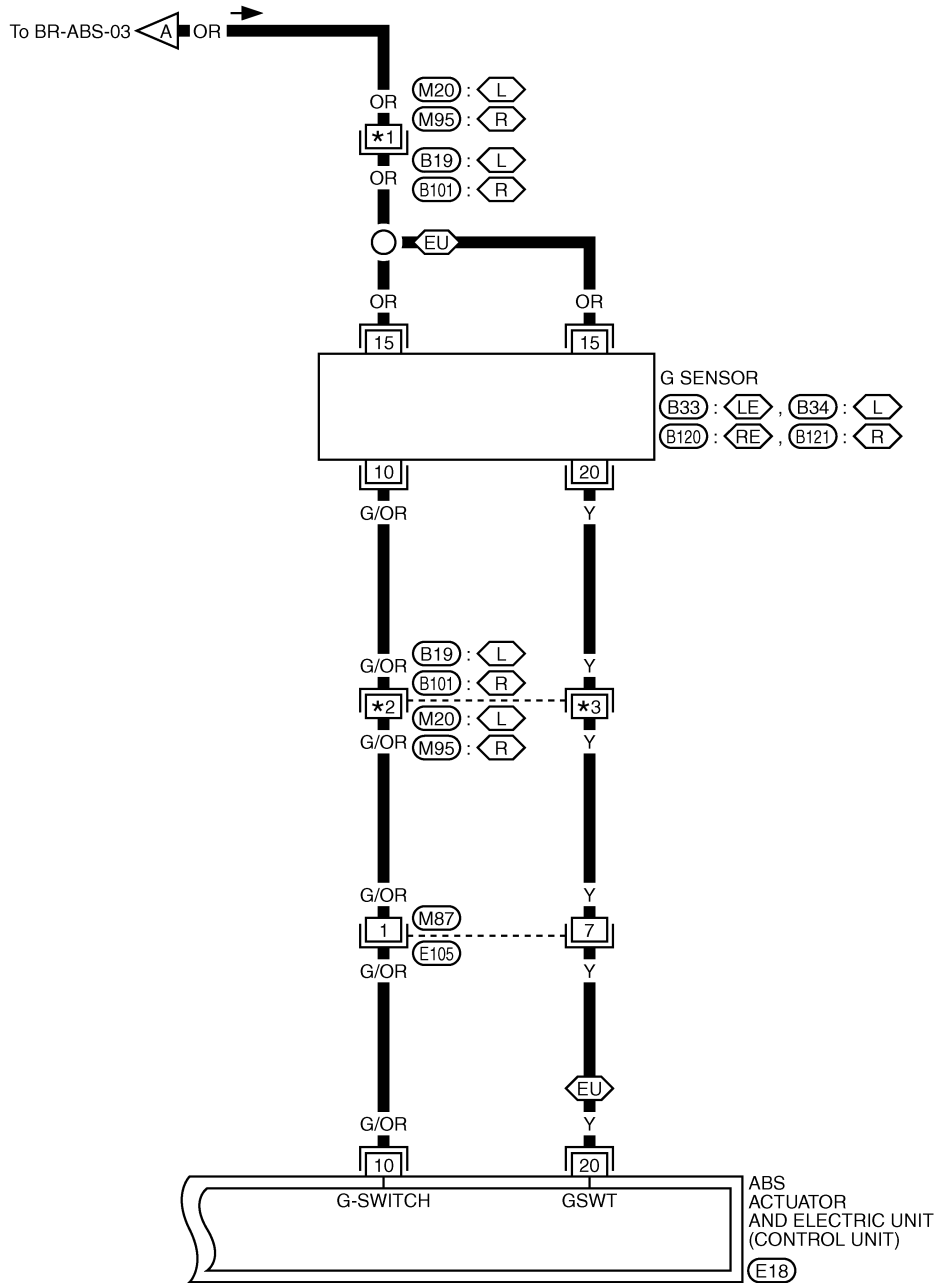


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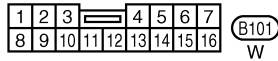
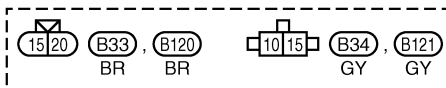
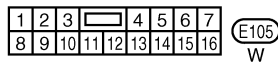
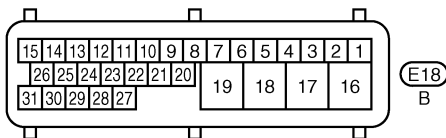
(M20), (B19)

Wiring Diagram — ABS — (Cont'd)

BR-ABS-05



-  : LHD models
 : RHD models
 : For Europe
 : LHD models for Europe
 : RHD models for Europe
- *1 78M : 
 11 : 
 *2 76M : 
 13 : 
 *3 77M : 
 12 : 



Refer to last page (Foldout page).

(M20), (B19)

SERVICE DATA AND SPECIFICATIONS (SDS)

General Specifications

Body	Wagon/Hardtop		
Applied model	TB48 engine	Except TB48 engine	
	Standard	Standard	Option*
Front brake			
Type	CL41VA disc brake	CL36VE disc brake	
Cylinder bore diameter mm (in)	51.1 (2.012) x 2	48.1 (1.894) x 2	
Pad dimension Length x width x thick- ness mm (in)	145 x 56.5 x 10 (5.79 x 2.224 x 0.39)	147 x 56.5 x 12 (5.79 x 2.224 x 0.47)	
Rotor outer diameter x thickness mm (in)	316 x 34 (12.44 x 1.34)	306 x 32 (12.05 x 1.26)	
Rear brake			
Type	CL20VA disc brake	CL18VF disc brake	LT30 drum brake
Cylinder bore diameter mm (in)	51.1 (2.012)	48.1 (1.894)	25.4 (1.00)
Lining or pad dimension Length x width x thick- ness mm (in)	111 x 34 x 11 (4.37 x 1.34 x 0.43)	111 x 41.8 x 10 (4.37 x 1.646 x 0.39)	296 x 50 x 6.1 (11.65 x 1.97 x 0.240)
Drum inner diameter mm (in)	—	—	295 (11.61)
Rotor outer diameter x thickness mm (in)	330 x 18 (12.99 x 0.71)	316 x 18 (12.44 x 0.71)	—
Brake booster			
Model	235T		
Diaphragm diameter mm (in)	Primary: 252 (9.92) Secondary: 230 (9.06)		
Master cylinder bore diam- eter mm (in)	26.9 (17/16)		
Control valve			
Type	LSV		
Split point x reducing ratio kPa (bar, kg/cm², psi)	(Variable) x 0.3	(Variable) x 0.3	(Variable) x 0.15
Recommended brake fluid	DOT 3 or DOT 4		

*: When ABS, diff. lock or rear disc brake is fitted as an option.