

SECTION AT

MODIFICATION NOTICE:

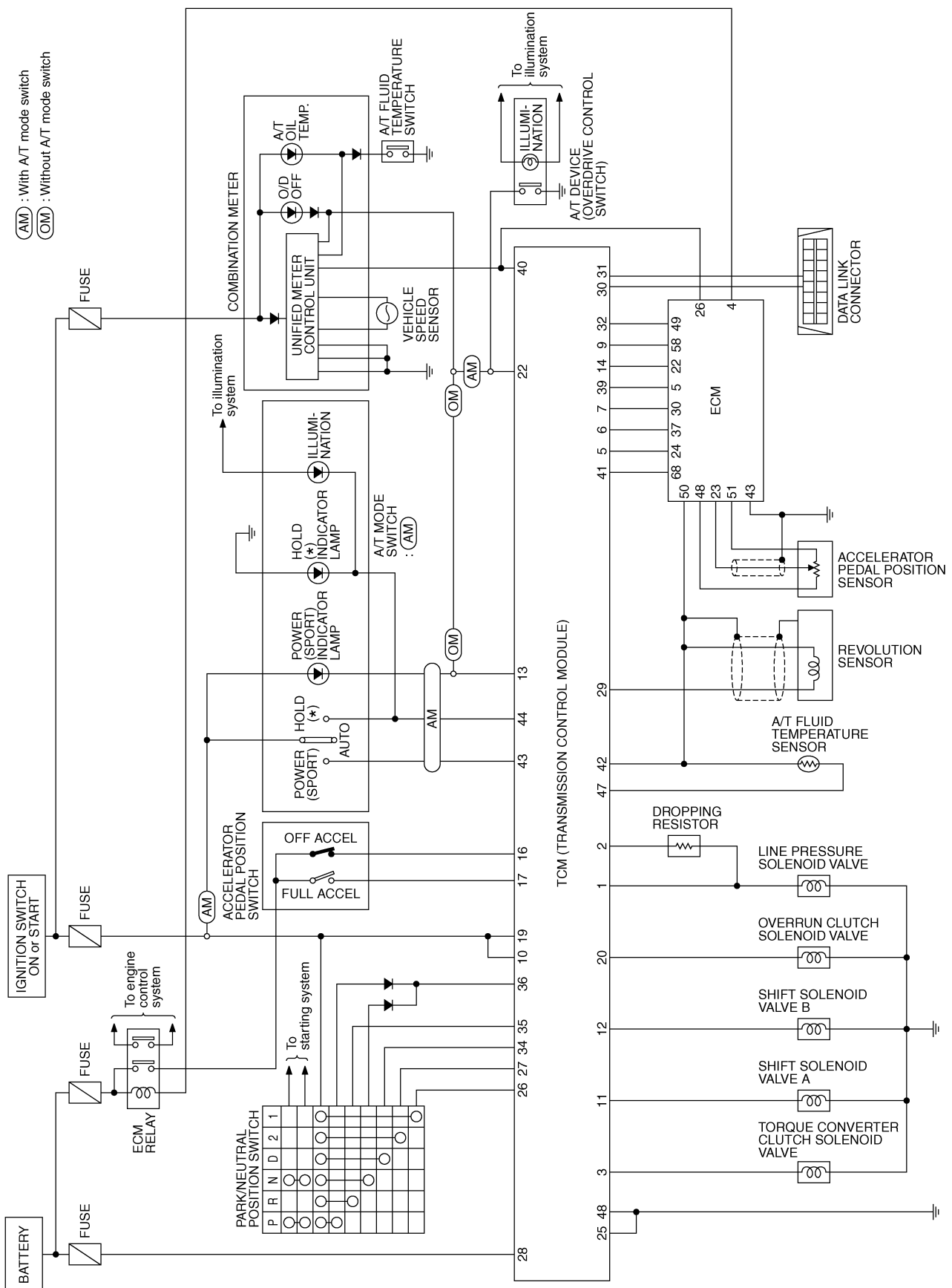
- Wiring diagrams have been changed.
- Service data and Specifications (SDS) have been changed.

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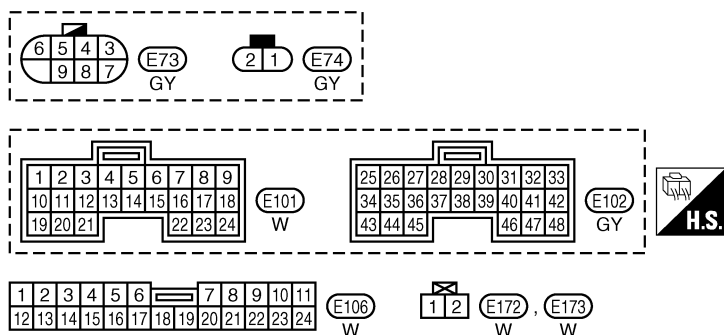
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Circuit Diagram



TAT141M

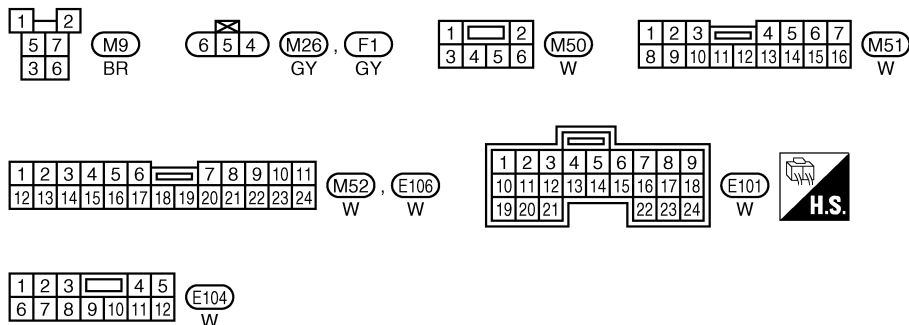
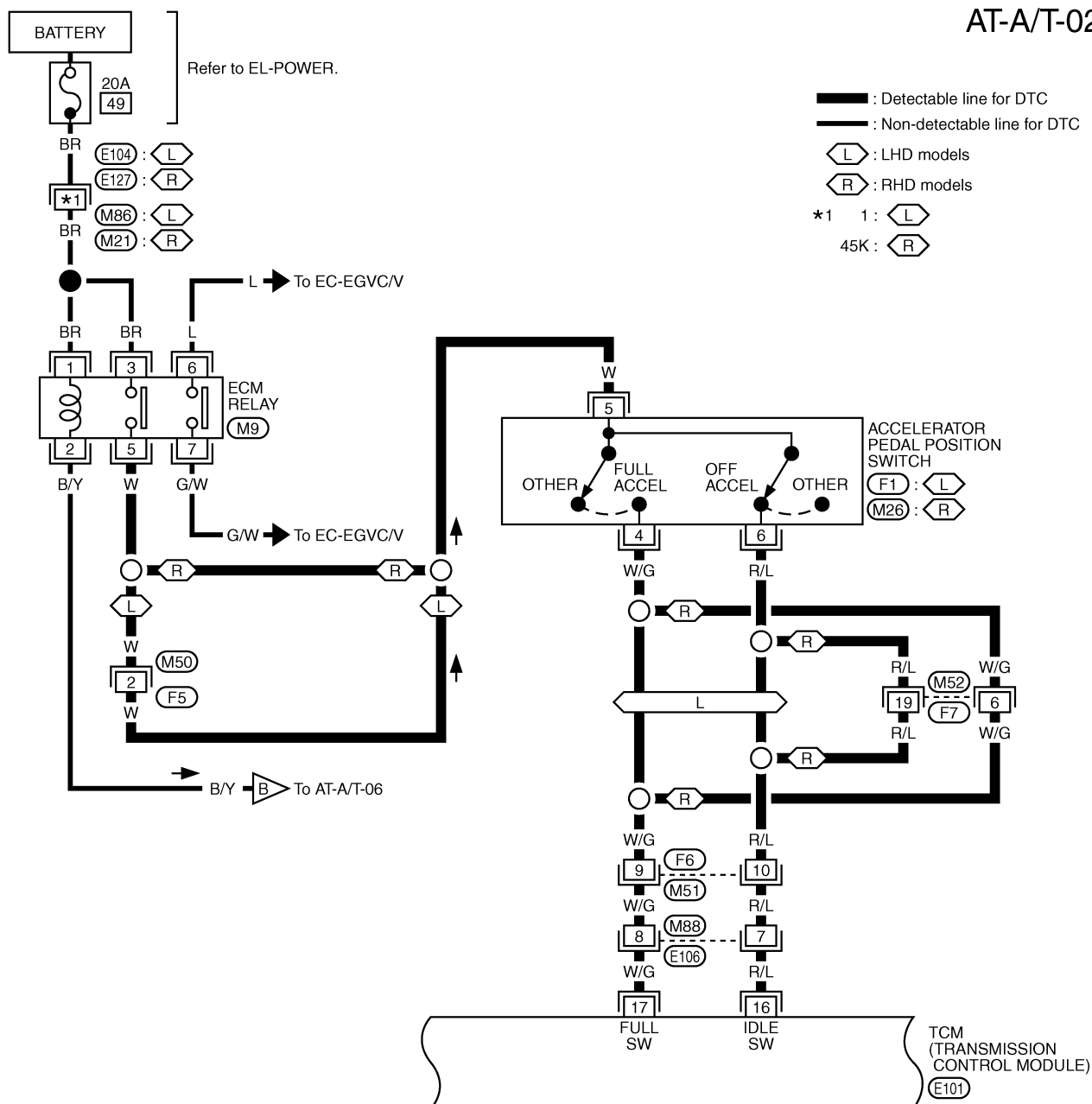
AT-A/T-01



M1
E112

Wiring Diagram — A/T — (Cont'd)

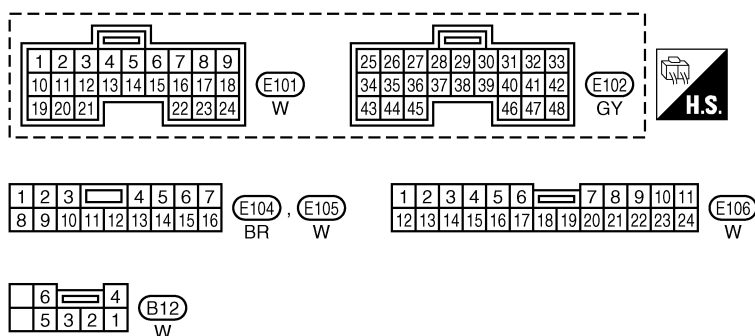
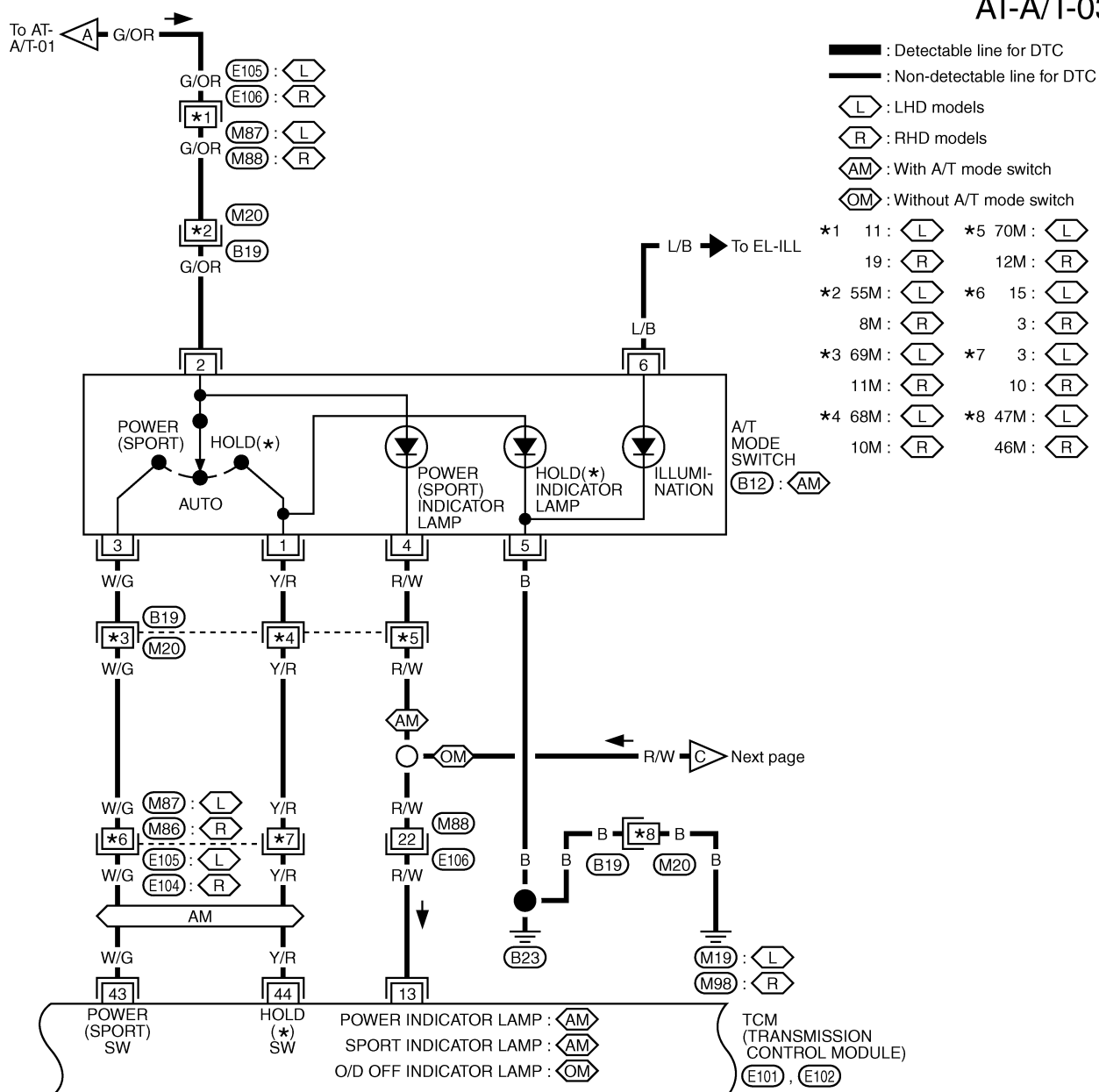
AT-A/T-02



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(M21) , (E127)

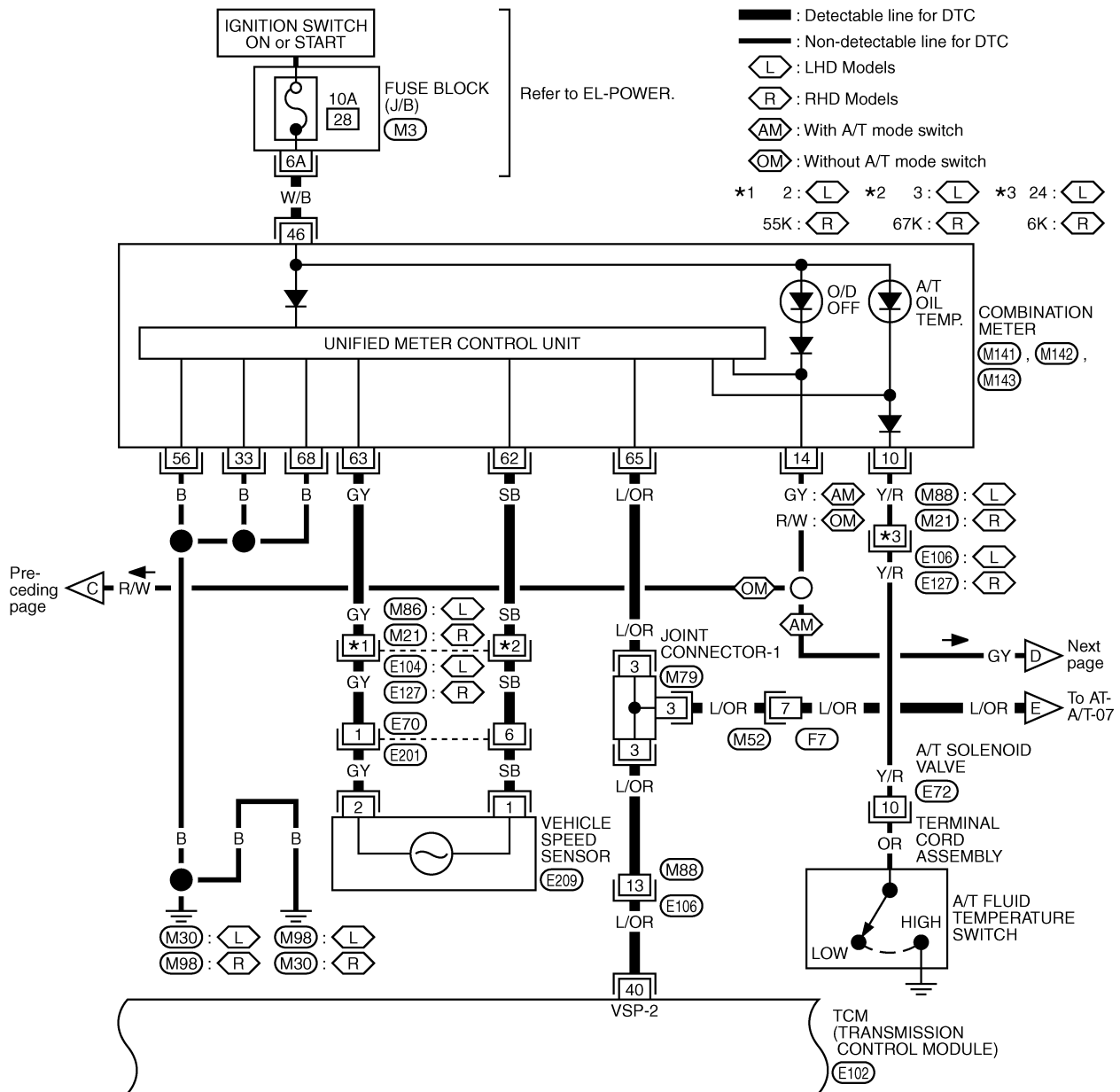
AT-A/T-03



(M20), (B19)

Wiring Diagram — A/T — (Cont'd)

AT-A/T-04



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

M52, E106
W

1	1	1	1	2	2	2	2	2	2	2
3	3	3	3	4	4	4	4	4	4	4

M79
W

Refer to last page (Foldout page).

M21, E127
M3

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

25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42
43	44							

M142
BR

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

6	4	3	2
10	9	8	7

E72
BR

25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42
43	44	45						

E102
GY



1	2	3	4	5
6	7	8	9	10

E104
W

1	2	3	4	5
6	7	8	9	10

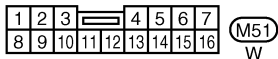
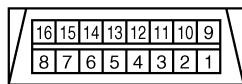
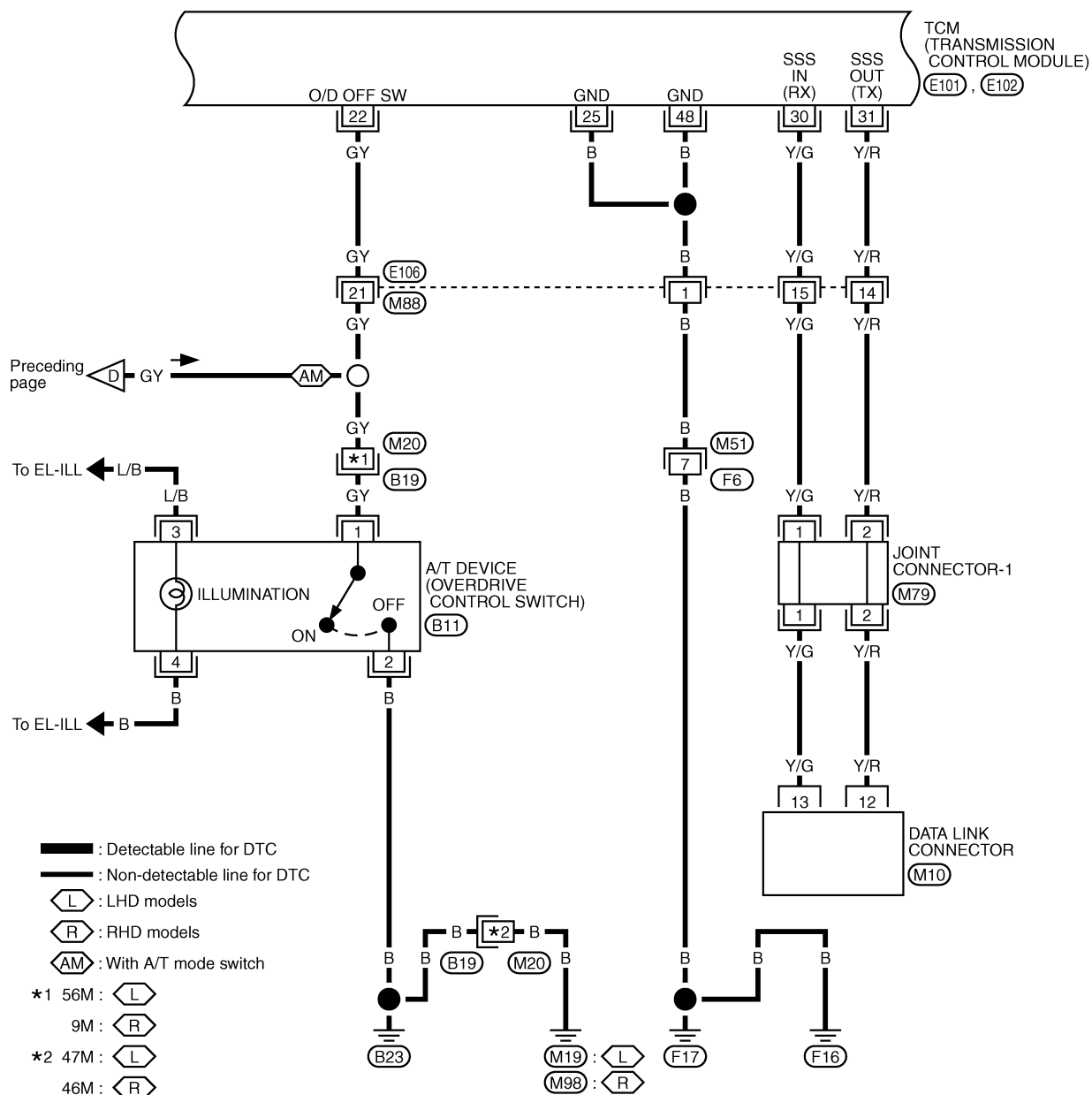
E201
GY

2	1
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E209
GY

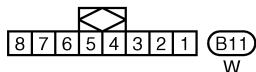
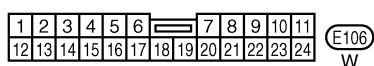
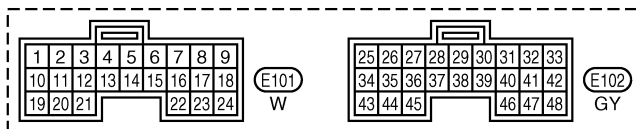
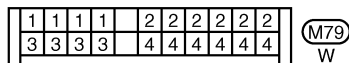
Wiring Diagram — A/T — (Cont'd)

AT-A/T-05



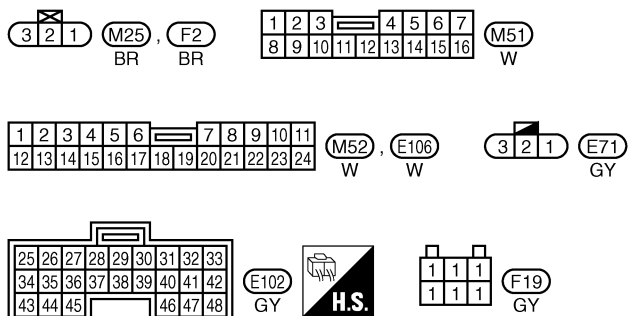
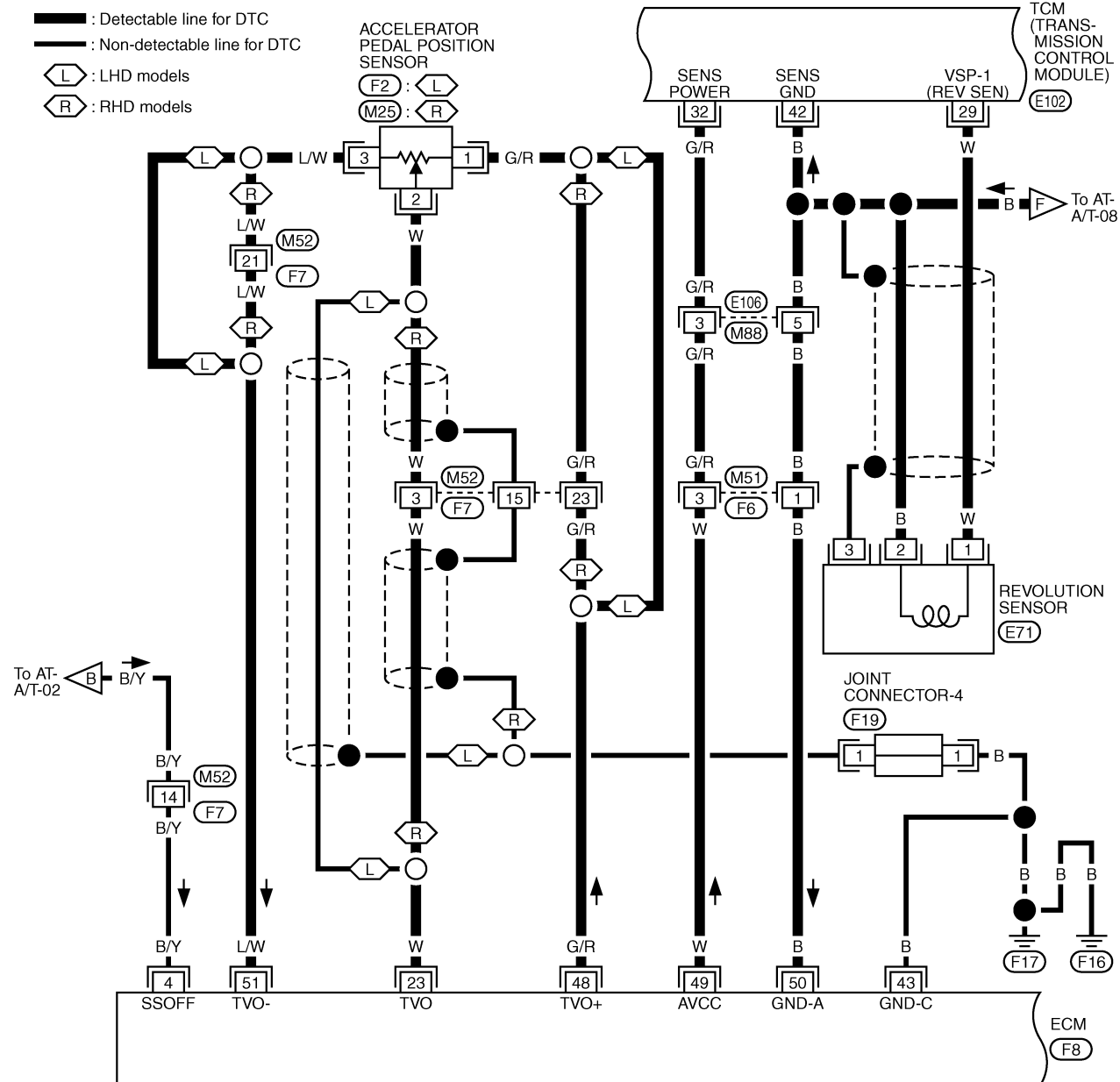
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M20, B19



Wiring Diagram — A/T — (Cont'd)

AT-A/T-06

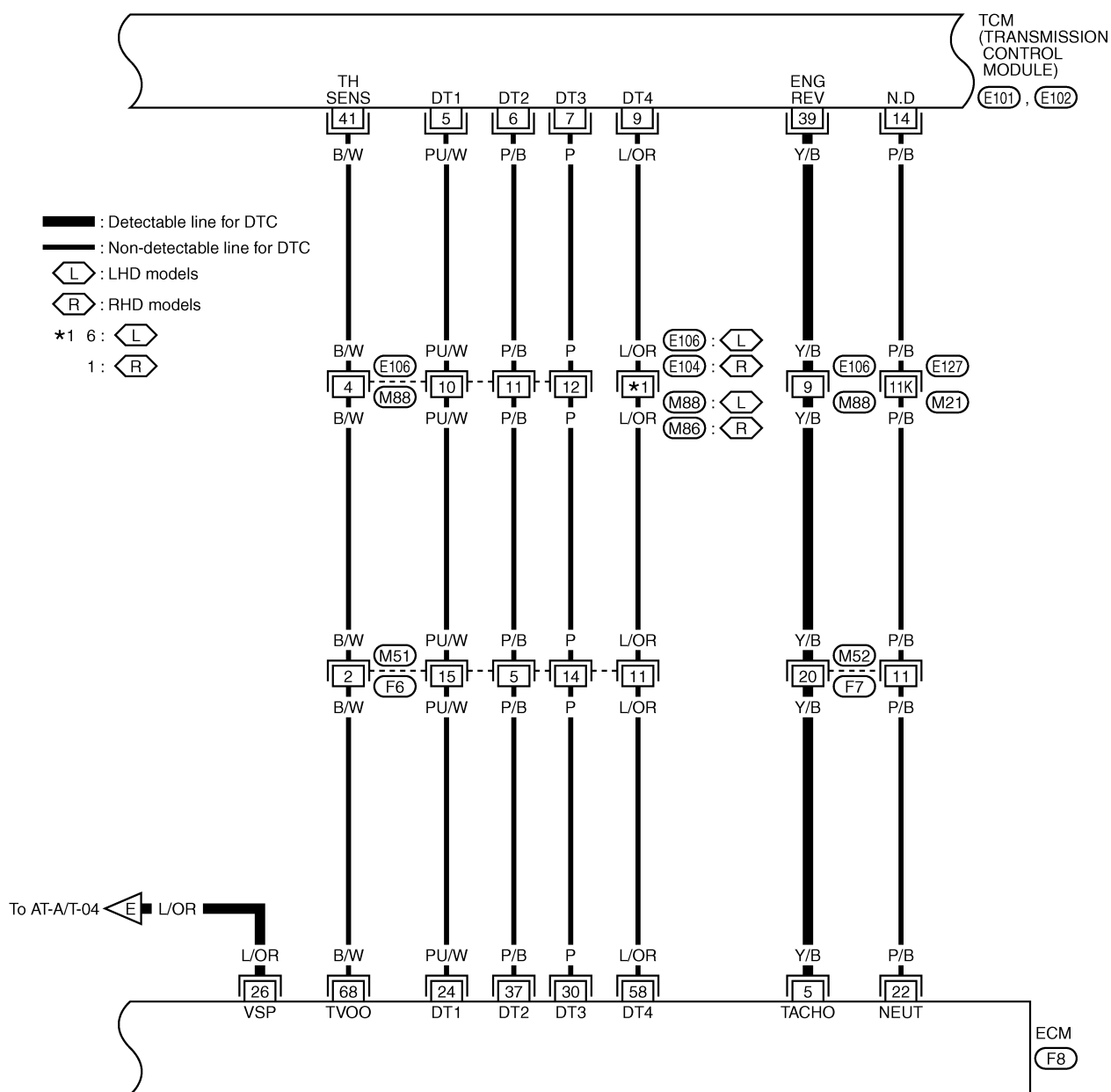


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(F8)

Wiring Diagram — A/T — (Cont'd)

AT-A/T-07



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

(M51)
W

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

(M52)
W

(E106)
W

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

(E101)
W

25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42
43	44	45	46	47	48			

(E102)
GY



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

(E104)
BR

Refer to last page (Foldout page).

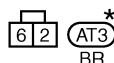
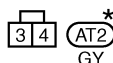
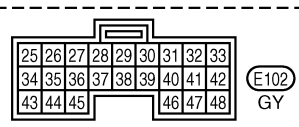
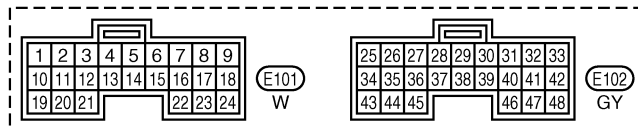
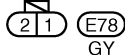
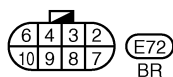
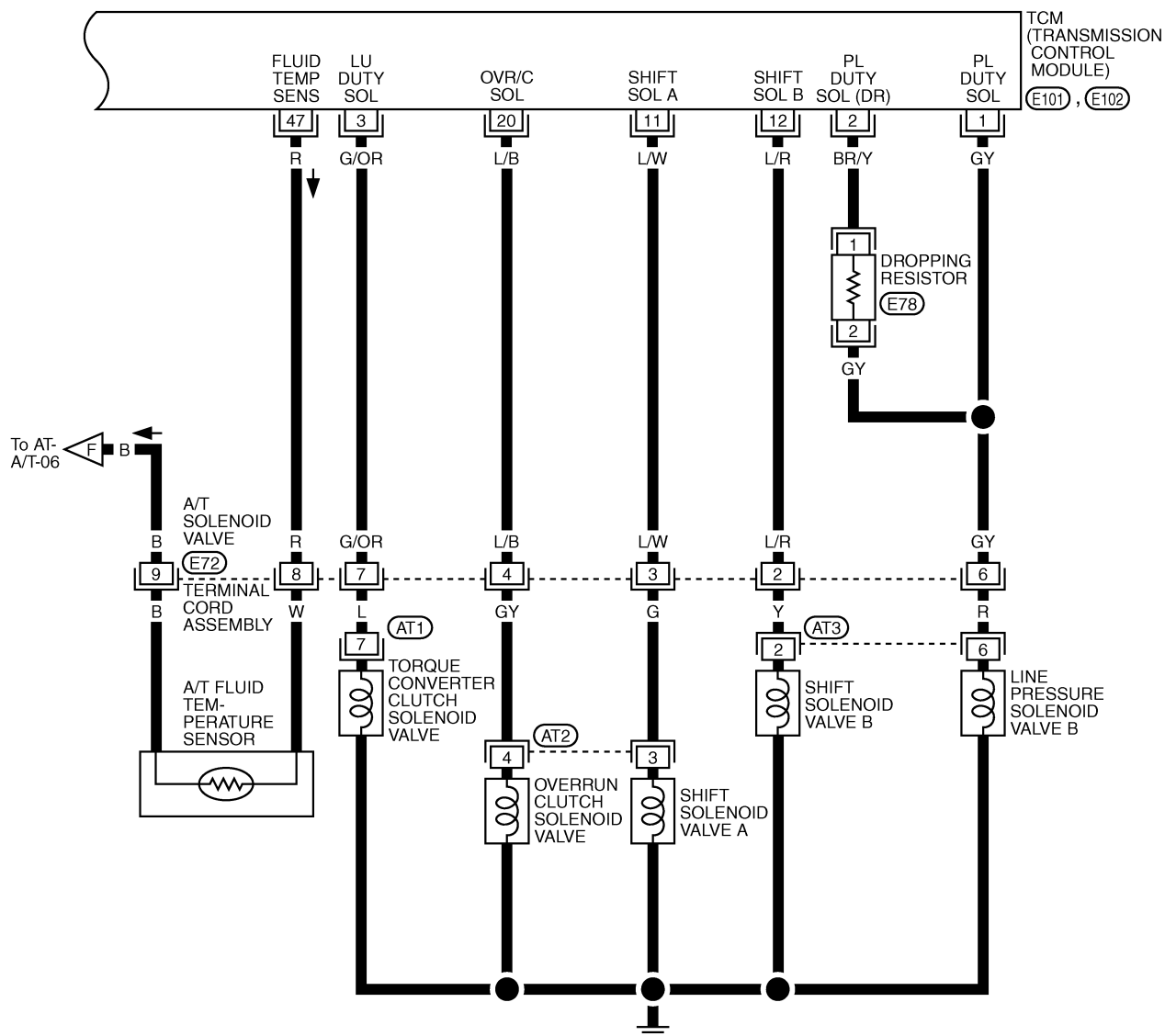
(M21), (E127)

(F8)

Wiring Diagram — A/T — (Cont'd)

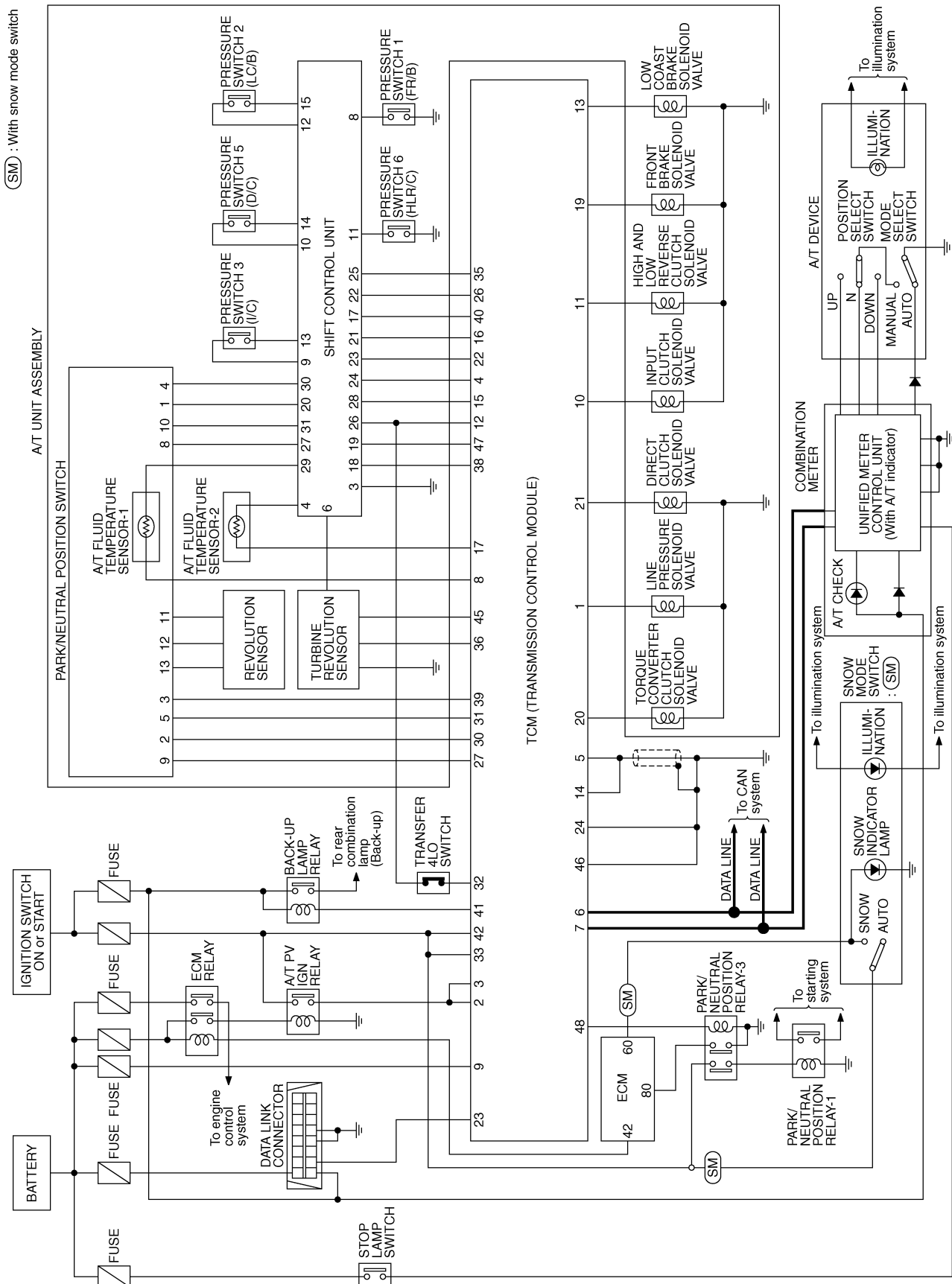
AT-A/T-08

— : Detectable line for DTC
 — : Non-detectable line for DTC



★: This connector is not shown in "HARNESS LAYOUT", EL section.

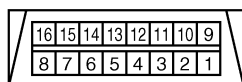
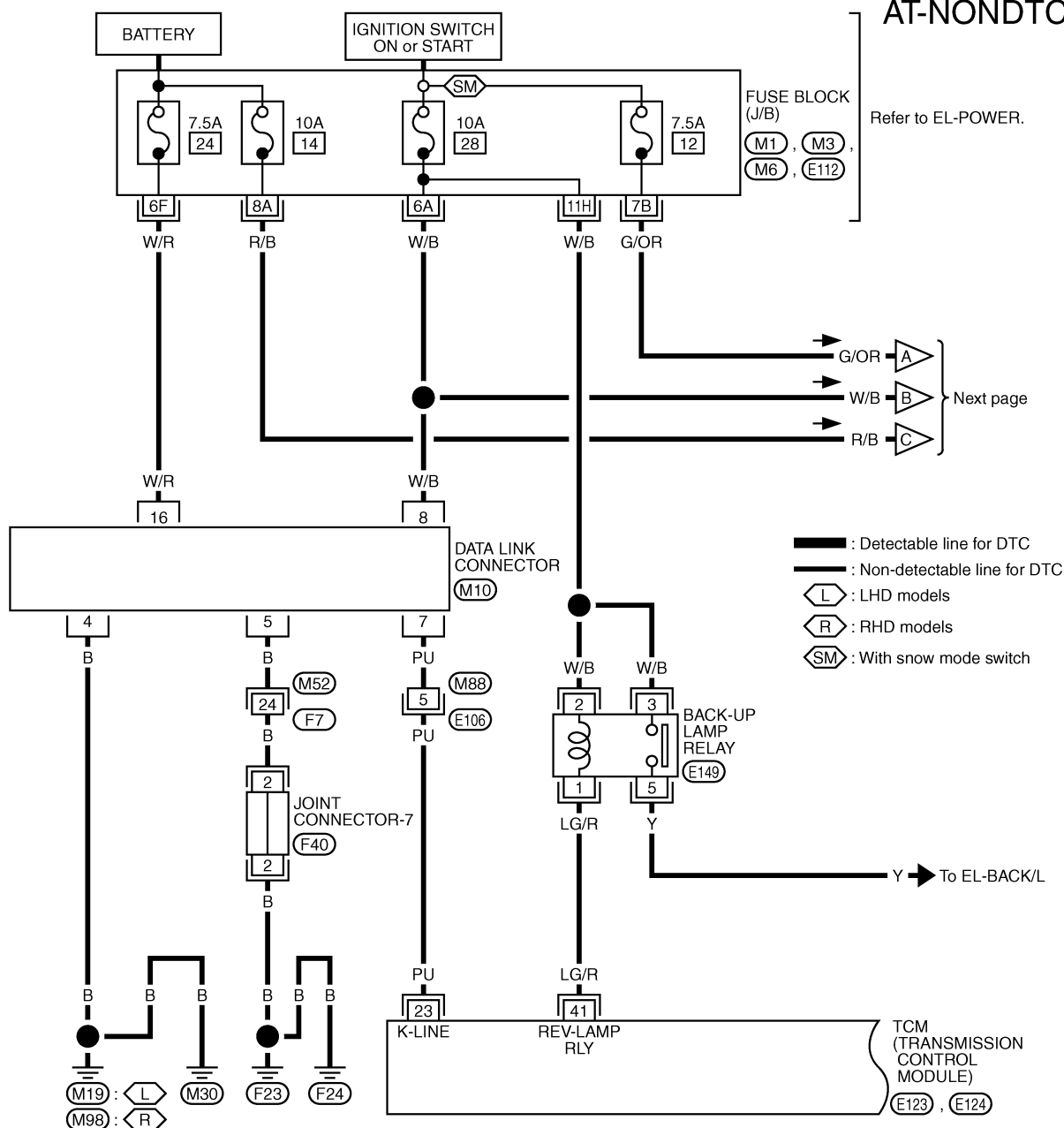
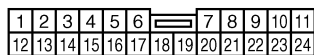
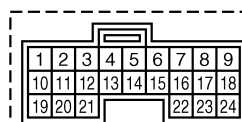
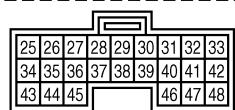
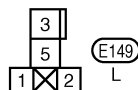
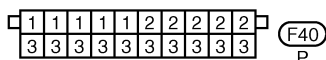
Circuit Diagram



TAT144M

Wiring Diagram — AT — NONDTC

AT-NONDTC-01

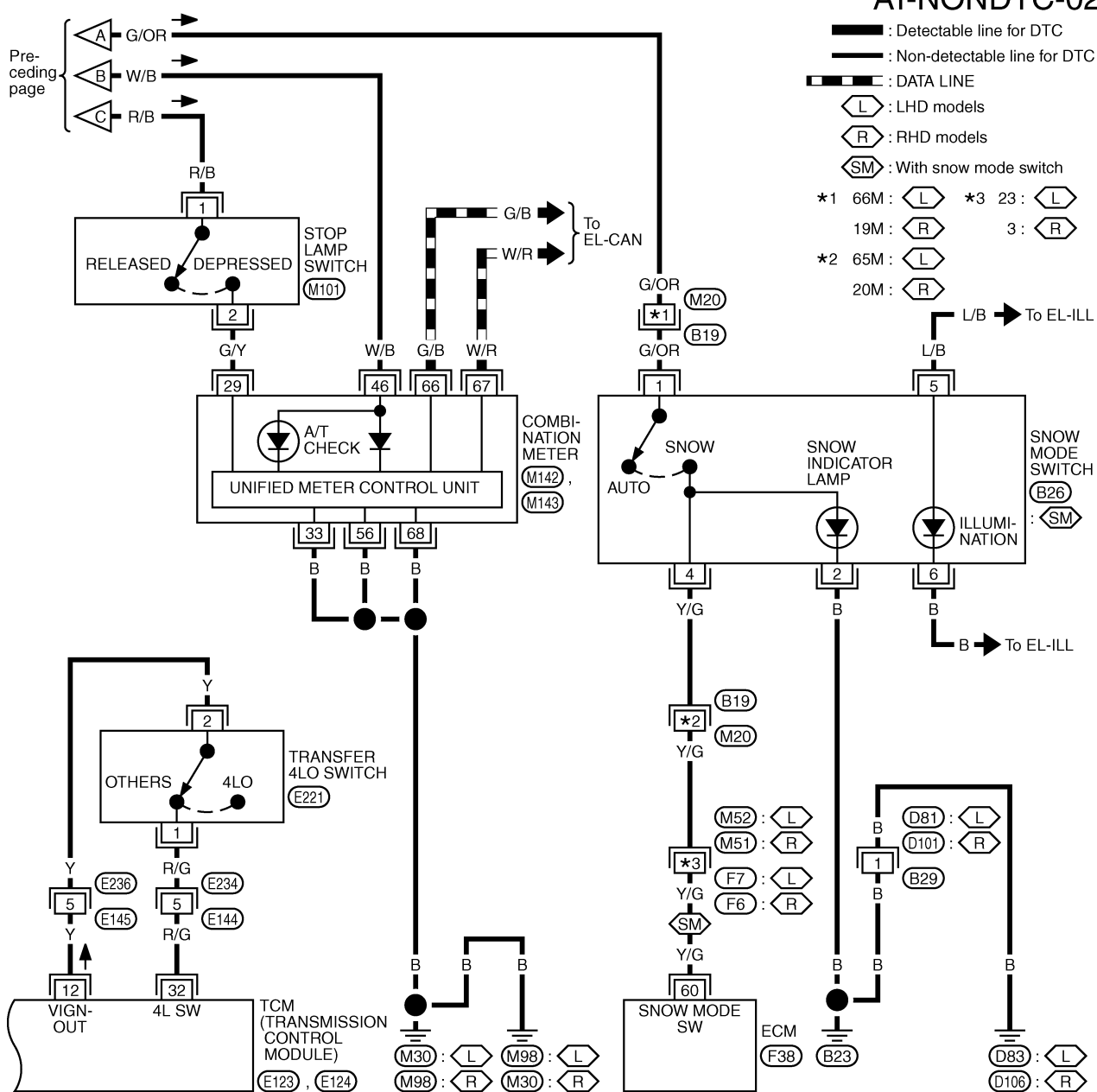
M10
WM52, E106
W WE123
WE124
GYE149
LF40
P

Refer to last page (Foldout page).

M1
M3
M6
E112

Wiring Diagram — AT — NONDTC (Cont'd)

AT-NONDTC-02



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

M51

W

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

M52

W

1	2
---	---

M101

B

Refer to last page (Foldout page).

M20, B19

F38

25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42
43	44							

M142

BR

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

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

E123

W

25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42
43	44	45	46	47	48			

E124

GY



1	2
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E221

B

1	2	3	4
5	6	7	8

E234

BR

1	2	3	4	5
6	7	8	9	10

E236

GY

4	5
2	1

B26

W

1	2
3	4

D81

W

1	2
3	4

D101

W

General Specifications

Engine	TB48DE	
Automatic transmission model	RE5R05A	
Destination	Except for Europe	For Europe
Transmission model code number	91X69	91X68
Stall torque ratio	2.0 : 1	
Transmission gear ratio	1st	3.540
	2nd	2.264
	3rd	1.471
	4th	1.000
	5th	0.834
	Reverse	2.370
Recommended fluid	Genuine Nissan ATF Matic Fluid J*1	
Fluid capacity	10.4 - 10.7 liter (9-1/8 - 9-3/8 Imp qt)	

CAUTION:

- Use only Genuine Nissan ATF Matic Fluid J*1. Do not mix with other fluid.
- Using automatic transmission fluid other than Genuine Nissan ATF Matic Fluid J*1 will deteriorate in driveability and automatic transmission durability, and may damage the automatic transmission, which is not covered by the warranty.

*1: Refer to MA section, "Fluids and Lubricants".

Vehicle Speed When Shifting Gears

Throttle position	Vehicle Speed km/h (MPH)							
	D ₁ → D ₂	D ₂ → D ₃	D ₃ → D ₄	D ₄ → D ₅	D ₅ → D ₄	D ₄ → D ₃	D ₃ → D ₂	D ₂ → D ₁
Full throttle	52 - 56 (32 - 35)	81 - 89 (50 - 55)	126 - 136 (78 - 85)	188 - 198 (117 - 123)	184 - 194 (114 - 121)	116 - 126 (72 - 78)	70 - 78 (43 - 48)	36 - 40 (22 - 25)
Half throttle	32 - 36 (20 - 22)	62 - 68 (39 - 42)	104 - 112 (65 - 70)	126 - 134 (78 - 83)	100 - 108 (62 - 67)	61 - 69 (38 - 43)	37 - 43 (23 - 27)	10 - 14 (6 - 9)

- At half throttle, the accelerator opening is 4/8 of the full opening.

Vehicle Speed When Performing and Releasing Lock-up

Throttle position	Vehicle speed km/h (MPH)	
	Lock-up "ON"	Lock-up "OFF"
Closed throttle	64 - 72 (39 - 45)	61 - 69 (38 - 43)
Half throttle	164 - 172 (102 - 107)	130 - 138 (81 - 86)

- At closed throttle, the accelerator opening is less than 1/8.
- At half throttle, the accelerator opening is 4/8 of the full opening.

Stall Revolution

Stall revolution	1,900 - 2,200 rpm
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Line Pressure

Engine speed (rpm)	Line Pressure kPa (bar, kg/cm ² , psi)	
	"R" position	"D", "M" positions
Idling Revolution	392 - 441 (3.9 - 4.4, 4.0 - 4.5, 57 - 64)	373 - 422 (3.7 - 4.2, 3.8 - 4.3, 54 - 61)
Stall Revolution	1,700 - 1,890 (17.0 - 18.9, 17.3 - 19.3, 247 - 274)	1,310 - 1,500 (13.1 - 15.0, 13.4 - 15.3, 191 - 218)

Solenoid Valves

Name	Resistance (Approx.) (Ω)	Terminal No.
Line pressure solenoid valve	3 - 9	7
Torque converter clutch solenoid valve		8
Input clutch solenoid valve		6
High & low reverse clutch solenoid valve		3
Front brake solenoid valve		5
Direct clutch solenoid valve		4
Low coast brake solenoid valve	20 - 40	2

A/T Fluid Temperature Sensor

Name	Condition	CONSULT-II "DATA MONITOR" (Approx.) (V)	Resistance (Approx.) ($k\Omega$)
A/T fluid temperature sensor-1	0°C (32°F)	2.2	15
	20°C (68°F)	1.8	0.6
	80°C (176°F)	0.6	0.9
A/T fluid temperature sensor-2	0°C (32°F)	2.2	10
	20°C (68°F)	1.7	4
	80°C (176°F)	0.45	0.5

Turbine Revolution Sensor

Name	Condition	Data (Approx.)
Turbine revolution sensor-1	When moving at 50 km/h (31 MPH) in 4th gear with the closed throttle position signal "OFF", use the CONSULT-II pulse frequency measuring function. CAUTION: Connect the diagnosis data link connector to the vehicle diagnosis connector.	1.3 (kHz)
Turbine revolution sensor-2	When running at 20 km/h (12 MPH) in 1st gear with the closed throttle position signal "OFF", use the CONSULT-II pulse frequency measuring function. CAUTION: Connect the diagnosis data link connector to the vehicle diagnosis connector.	

Revolution Sensor

Name	Condition	Data (Approx.)
Revolution sensor	When moving at 20 km/h (12 MPH), use the CONSULT-II pulse frequency measuring function. CAUTION: Connect the diagnosis data link connector to the vehicle diagnosis connector.	185 (Hz)