

AUTOMATIC TRANSMISSION

SECTION **AT**

MODIFICATION NOTICE:

Wiring diagrams have been changed.

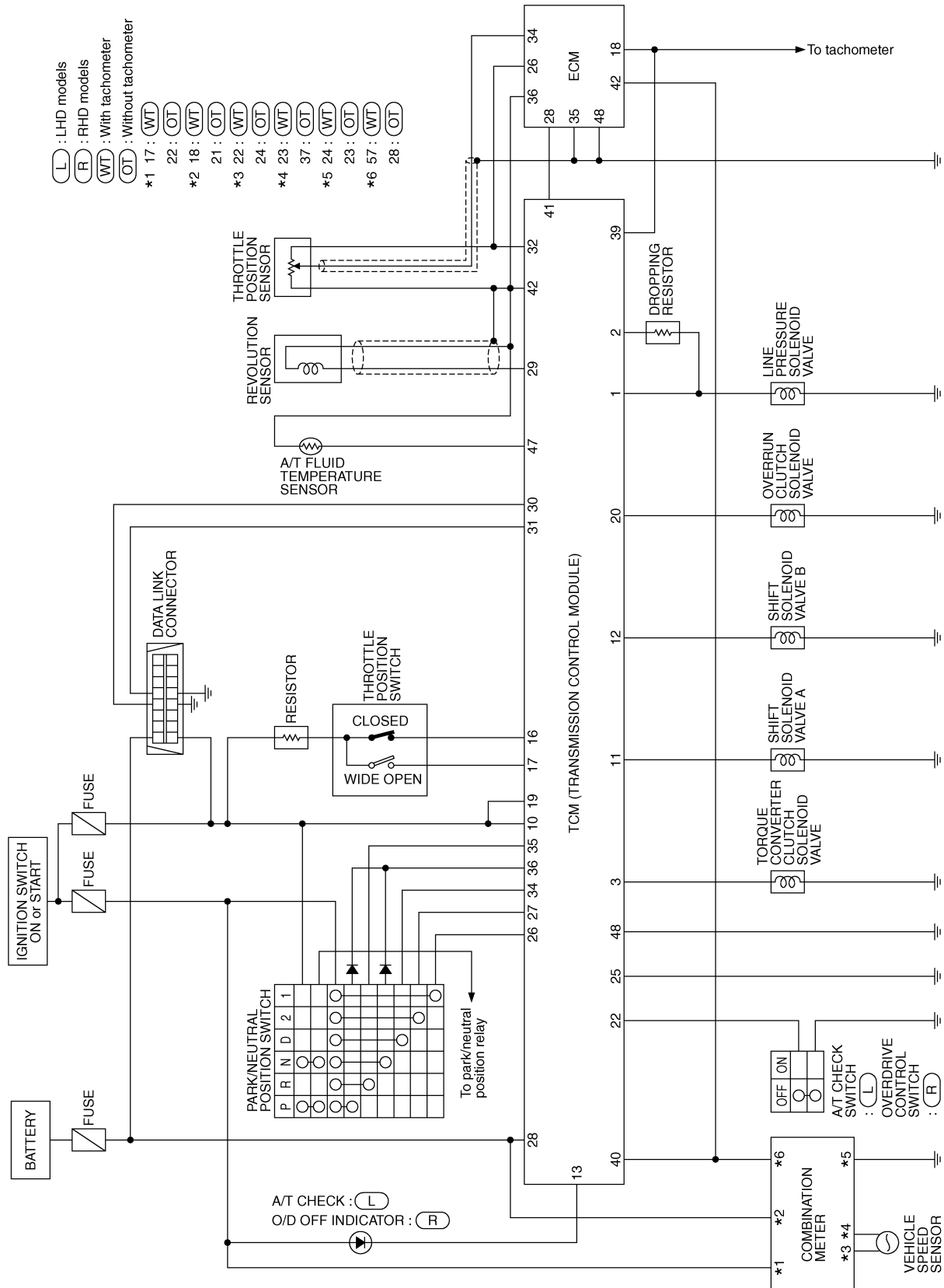
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OVERALL SYSTEM

Circuit Diagram

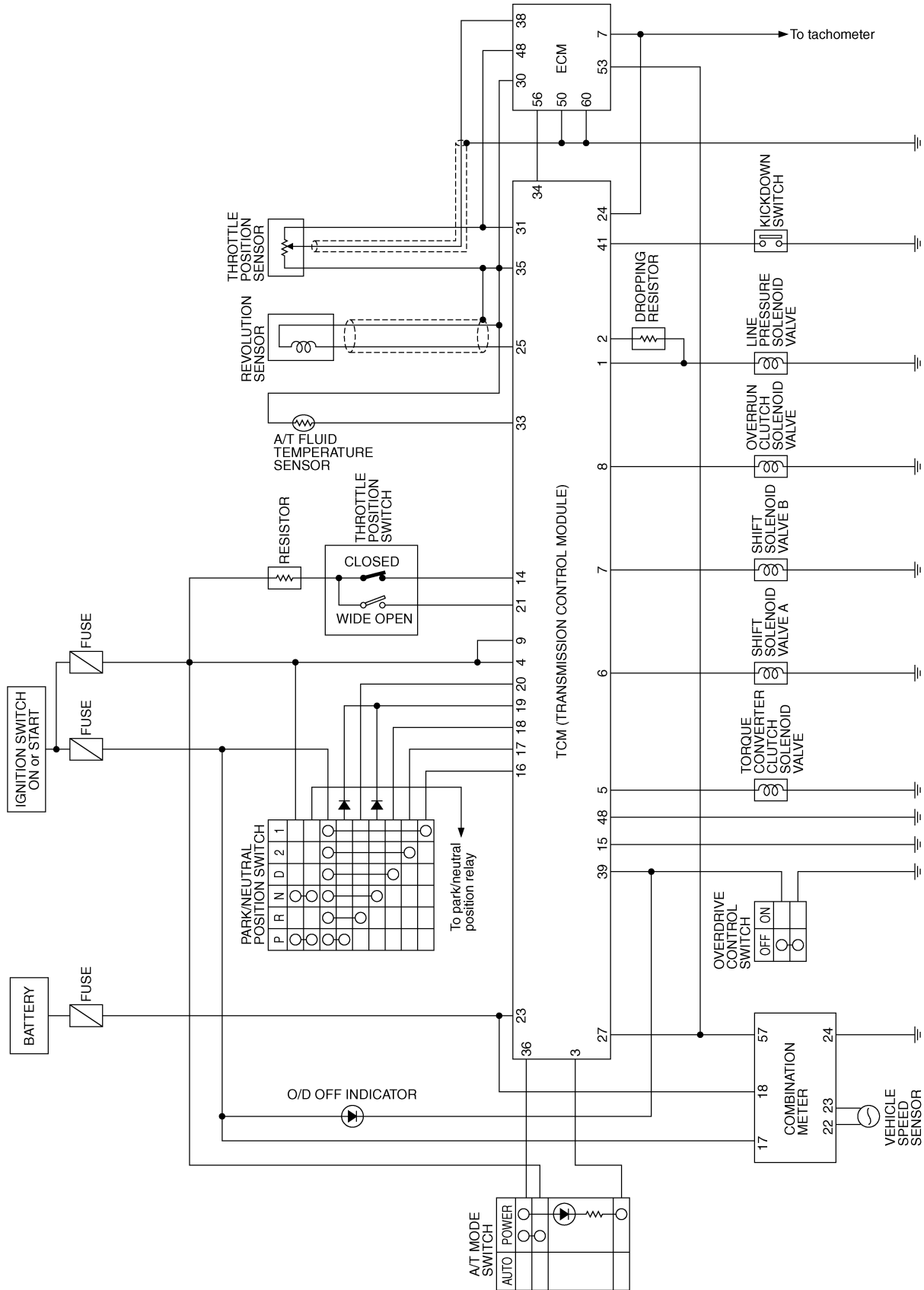
KA24DE ENGINE MODEL



OVERALL SYSTEM

Circuit Diagram (Cont'd)

VG30E ENGINE MODEL



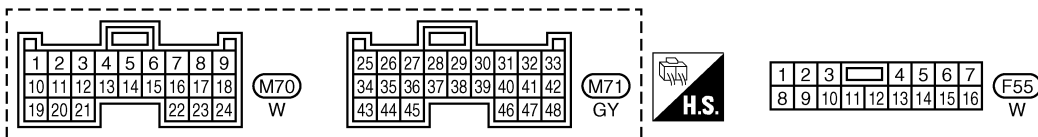
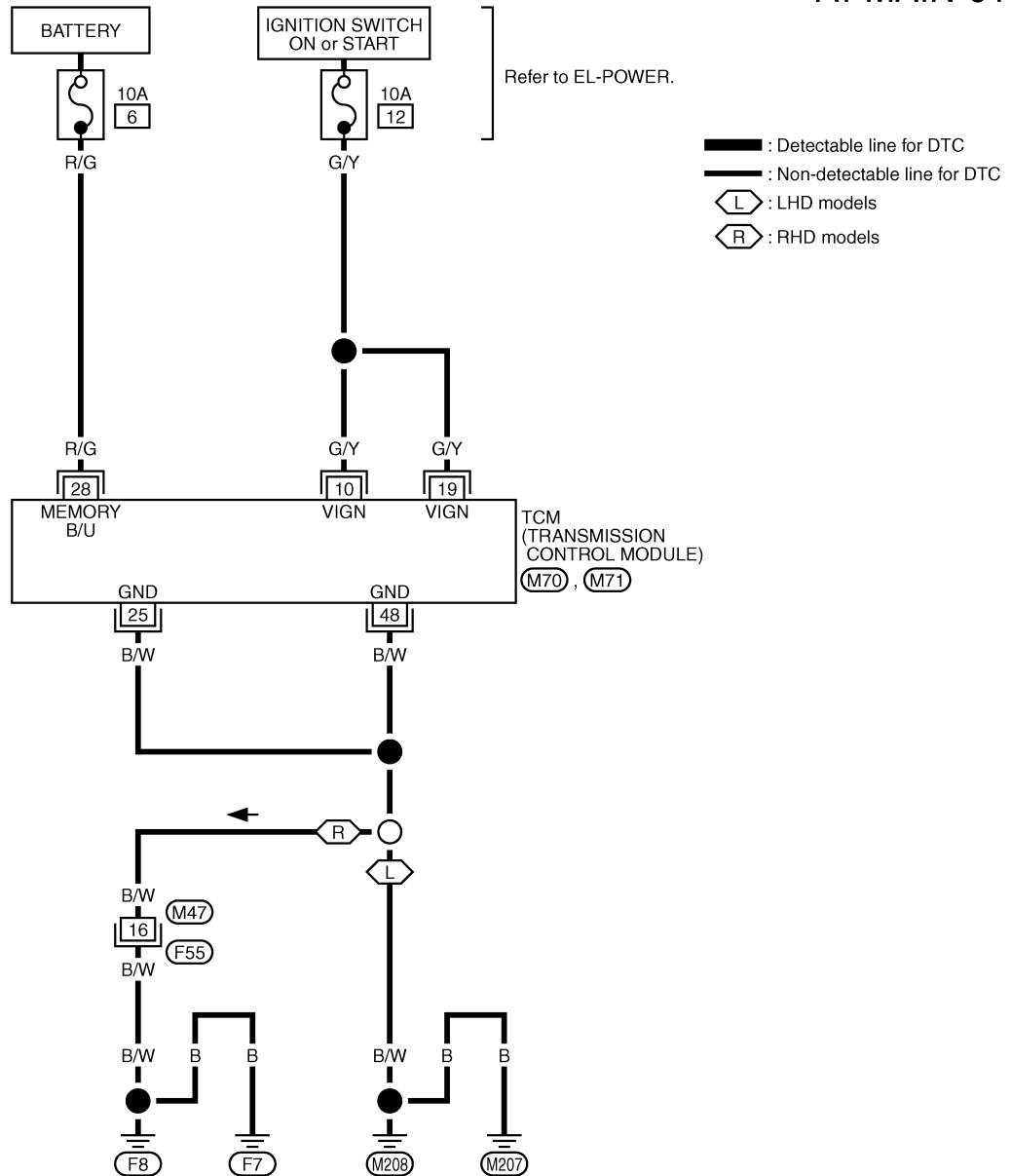
GI
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TROUBLE DIAGNOSIS FOR POWER SUPPLY

Wiring Diagram — AT — MAIN

KA24DE ENGINE MODEL

AT-MAIN-01

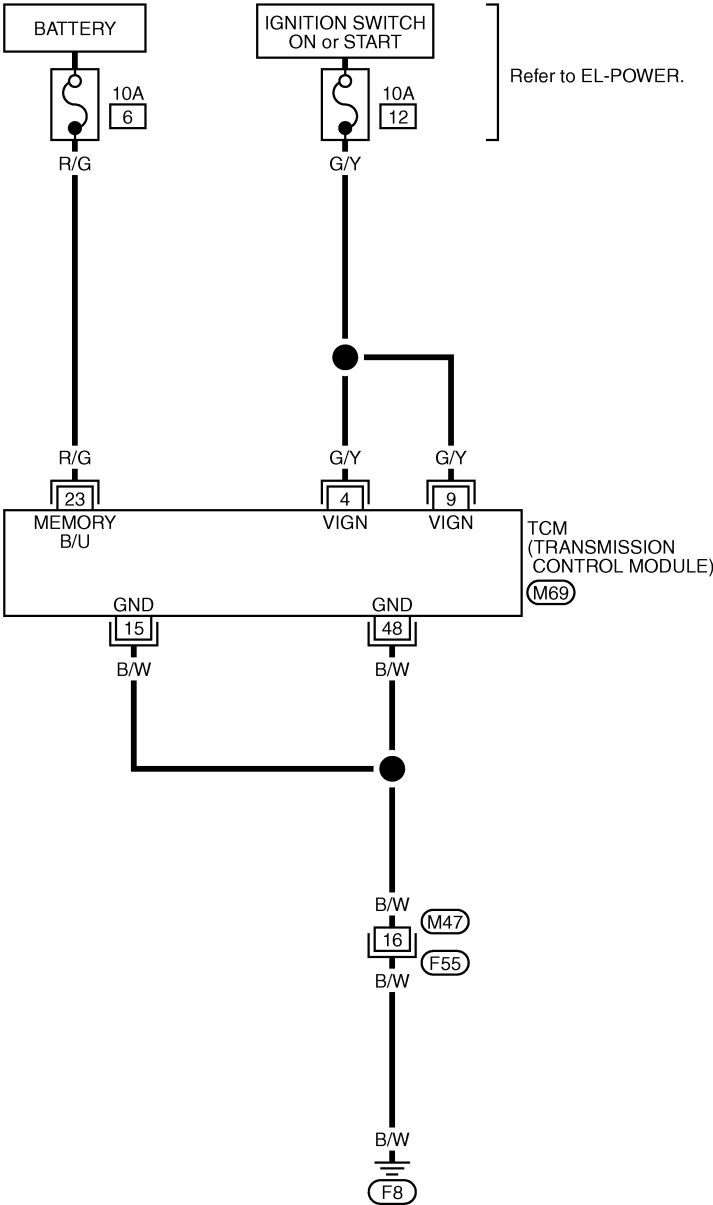


TROUBLE DIAGNOSIS FOR POWER SUPPLY

Wiring Diagram — AT — MAIN (Cont'd)

VG30E ENGINE MODEL

AT-MAIN-02



1	2	3	4	9	10	11	12	13	14	15	23	24	25	26	27	28	29	30	31	32	33	34	35
5	6	7	8	16	17	18	19	20	21	22	36	37	38	39	40	41	42	43	44	45	46	47	48

M69
W



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

F55
W

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

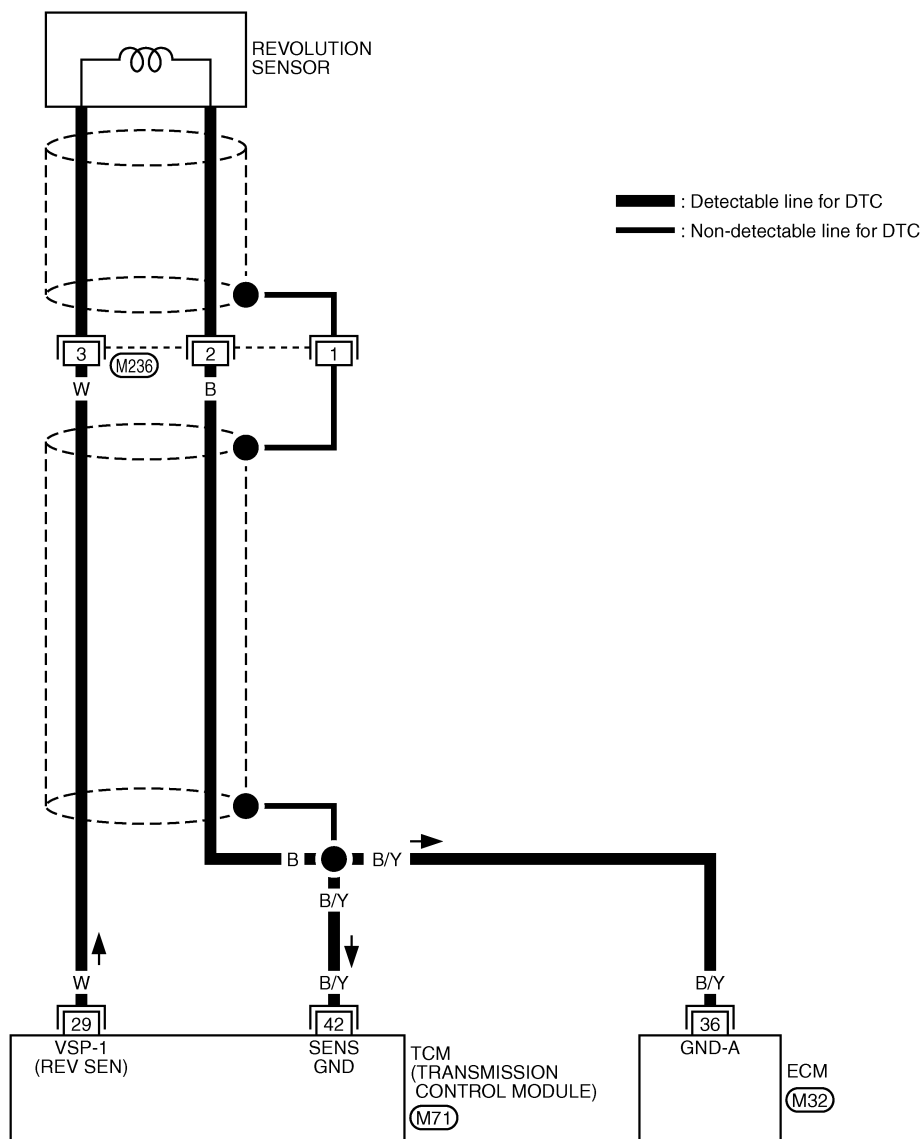
IDX

TROUBLE DIAGNOSIS FOR VHCL SPEED SEN-A/T (REVOLUTION SENSOR)

Wiring Diagram — AT — VSSA/T

LHD MODEL WITH KA24DE ENGINE

AT-VSSA/T-01



1	2	3	4	9	10	11	12	13	14	15	23	24	25	26	27	28	29	30	31	32	33	34	35
5	6	7	8	16	17	18	19	20	21	22	36	37	38	39	40	41	42	43	44	45	46	47	48

(M32)
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												

(M71)
GY



1 2 3
 (M236)
 GY

Wiring Diagram — AT — VSSA/T (Cont'd)

AT-VSSA/T-02



MA

EM

LC

EC

FE

CL

MT

AT

TF

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FA

RA

BR

ST

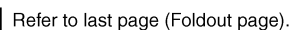
RS

BT

HA

EL

IDX



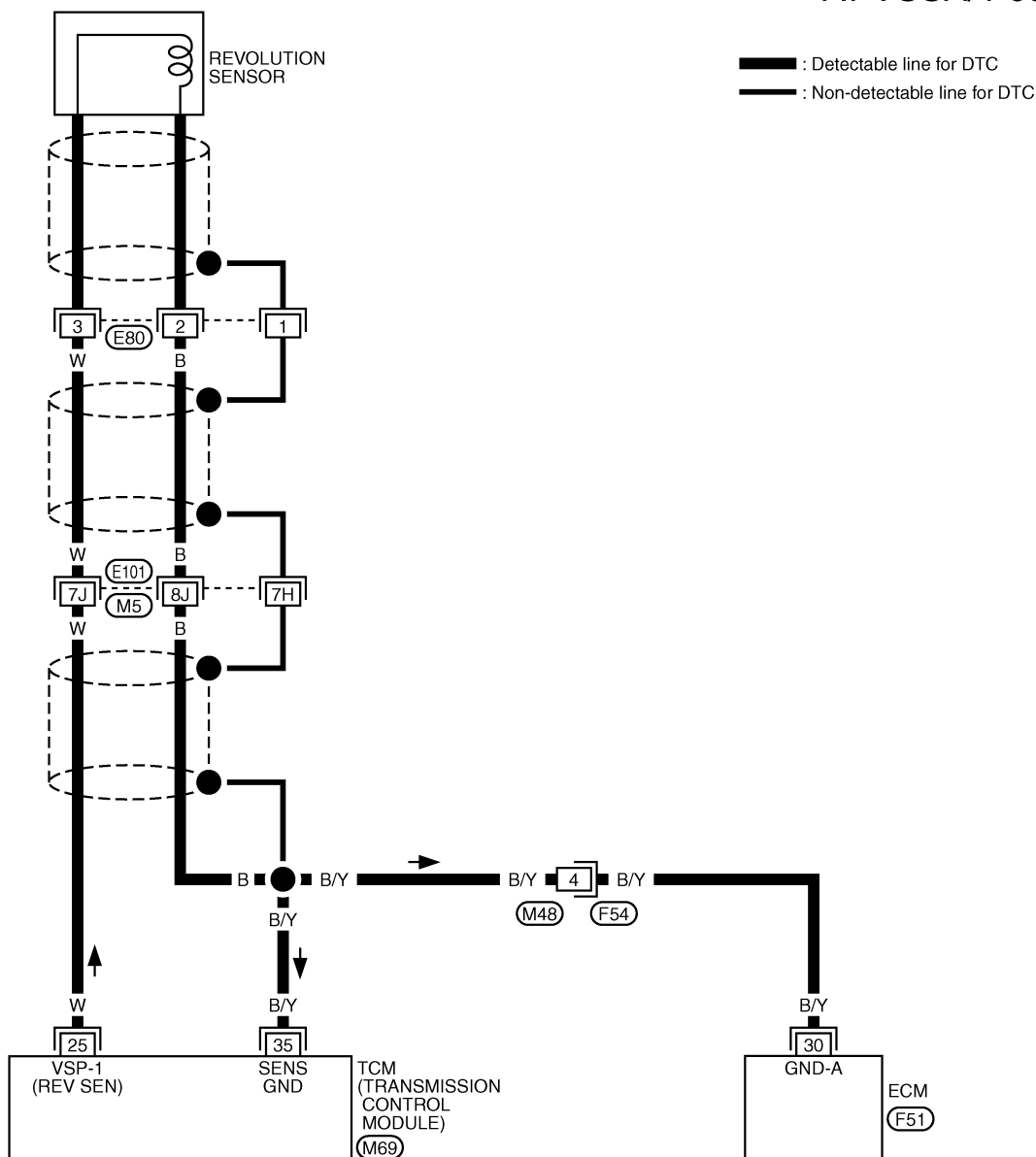
M5, E101

TROUBLE DIAGNOSIS FOR VHCL SPEED SEN-A/T (REVOLUTION SENSOR)

Wiring Diagram — AT — VSSA/T (Cont'd)

VG30E ENGINE MODEL

AT-VSSA/T-03



1	2	3	4	9	10	11	12	13	14	15	23	24	25	26	27	28	29	30	31	32	33	34	35
5	6	7	8	16	17	18	19	20	21	22	36	37	38	39	40	41	42	43	44	45	46	47	48

(M69)
W



1	2	3
E80 GY		

1	2	3	4	5	6	7	8	9	10	11
F54 W										

Refer to last page (Foldout page).

(M5), (E101)

101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20	31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60

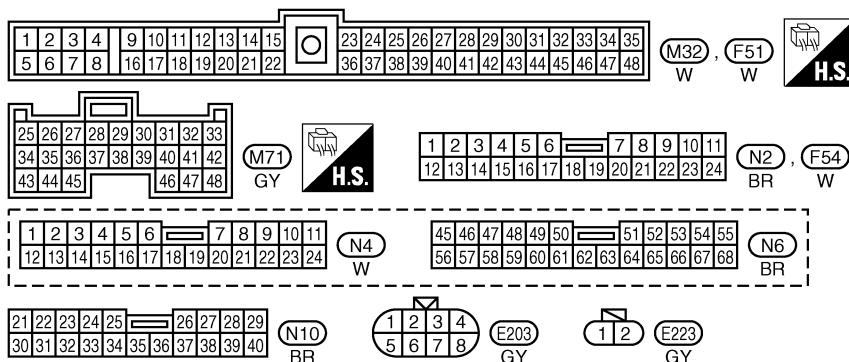
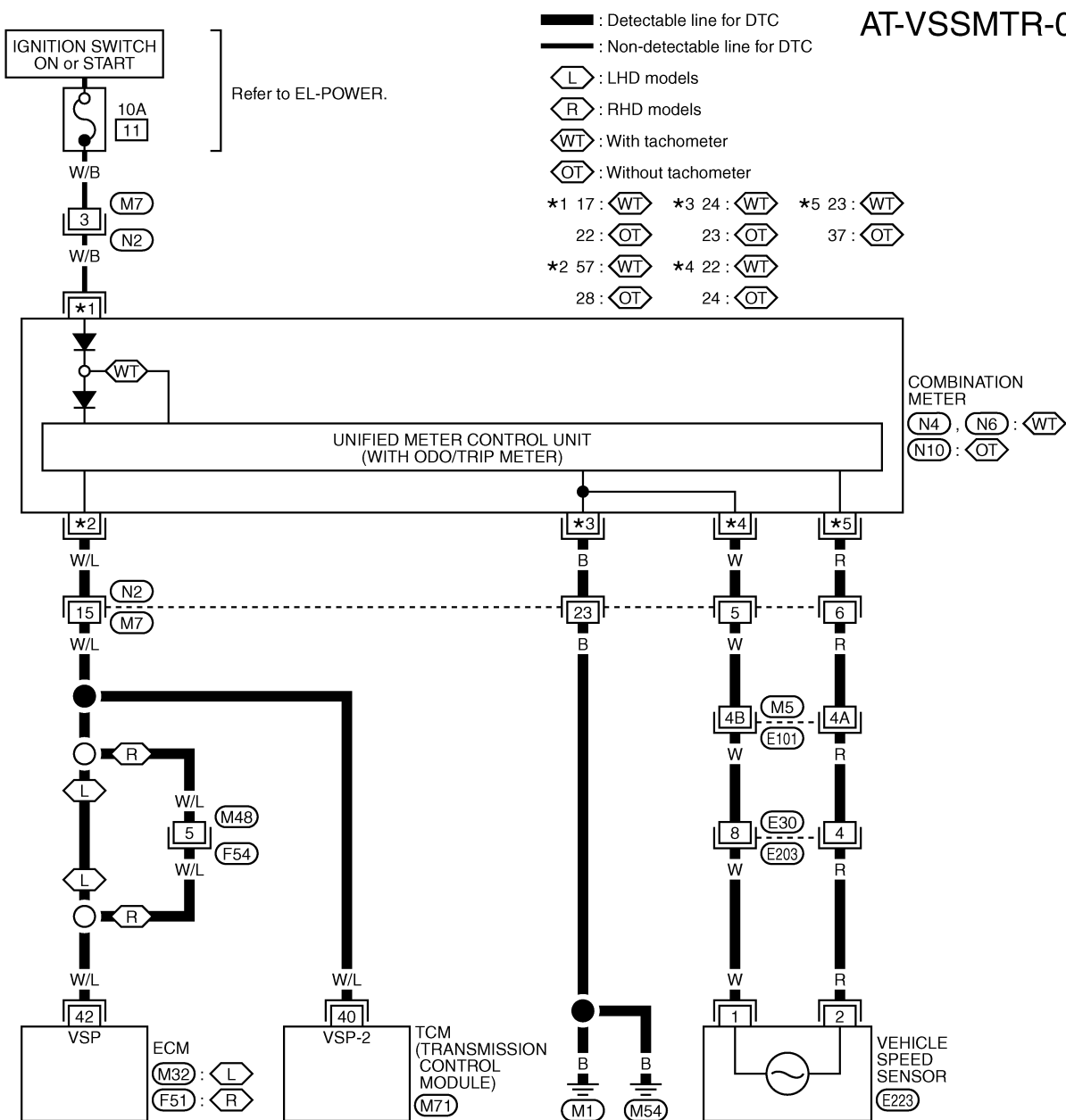
(F51)
W



Wiring Diagram — AT — VSSMTR

KA24DE ENGINE MODEL

AT-VSSMTR-01



Refer to last page (Foldout page).

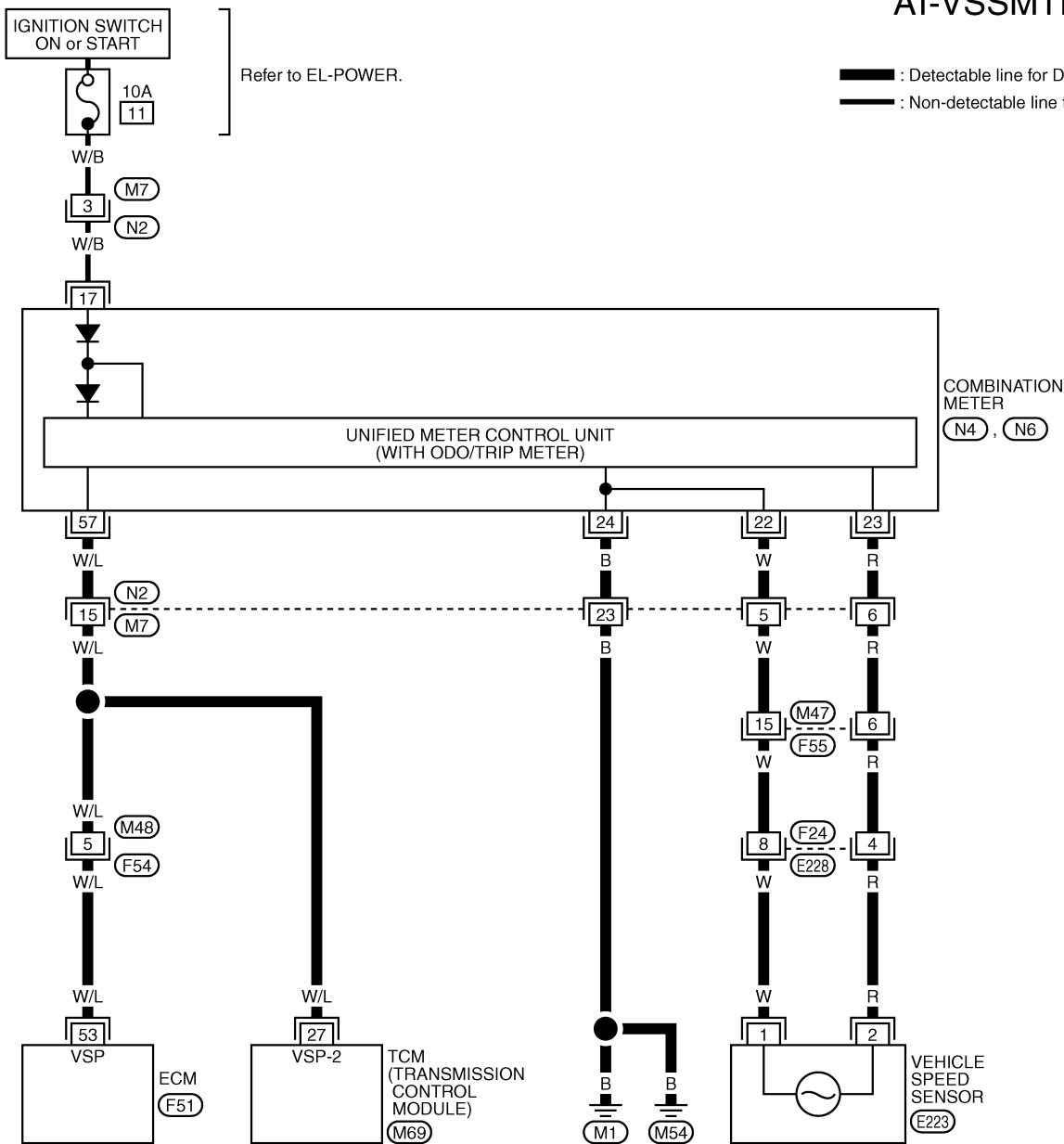
(M5), (E101)

TROUBLE DIAGNOSIS FOR VHCL SPEED SEN·MTR

Wiring Diagram — AT — VSSMTR (Cont'd)

VG30E ENGINE MODEL

AT-VSSMTR-02



1	2	3	4	9	10	11	12	13	14	15	23	24	25	26	27	28	29	30	31	32	33	34	35
5	6	7	8	16	17	18	19	20	21	22	36	37	38	39	40	41	42	43	44	45	46	47	48



1	2	3	4	5	6	7	8	9	10	11	N2	F54
12	13	14	15	16	17	18	19	20	21	22	BR	W

1	2	3	4	5	6			7	8	9	10	11	N4		45	46	47	48	49	50			51	52	53	54	55	N6	
12	13	14	15	16	17	18	19	20	21	22	23	24	W		56	57	58	59	60	61	62	63	64	65	66	67	68	BR	

1	2	E223	1	2	3	4	5	6	7	8	F55
GY	SB	W									

101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20	31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60

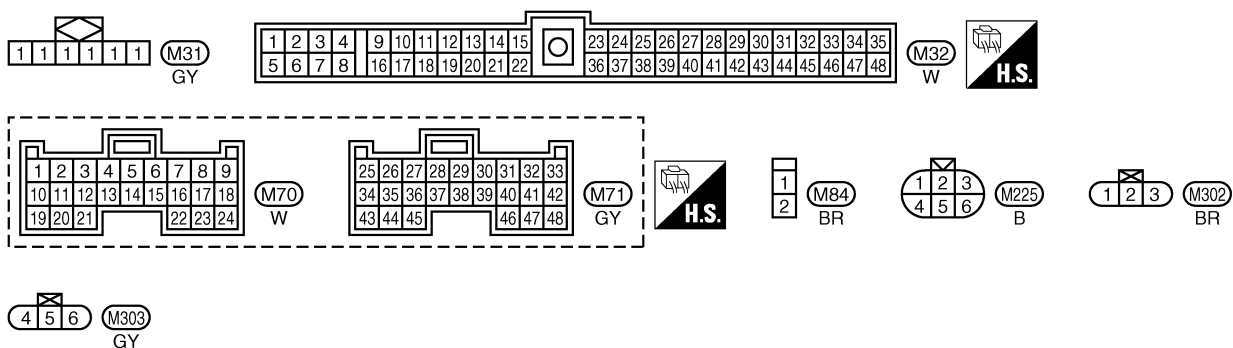
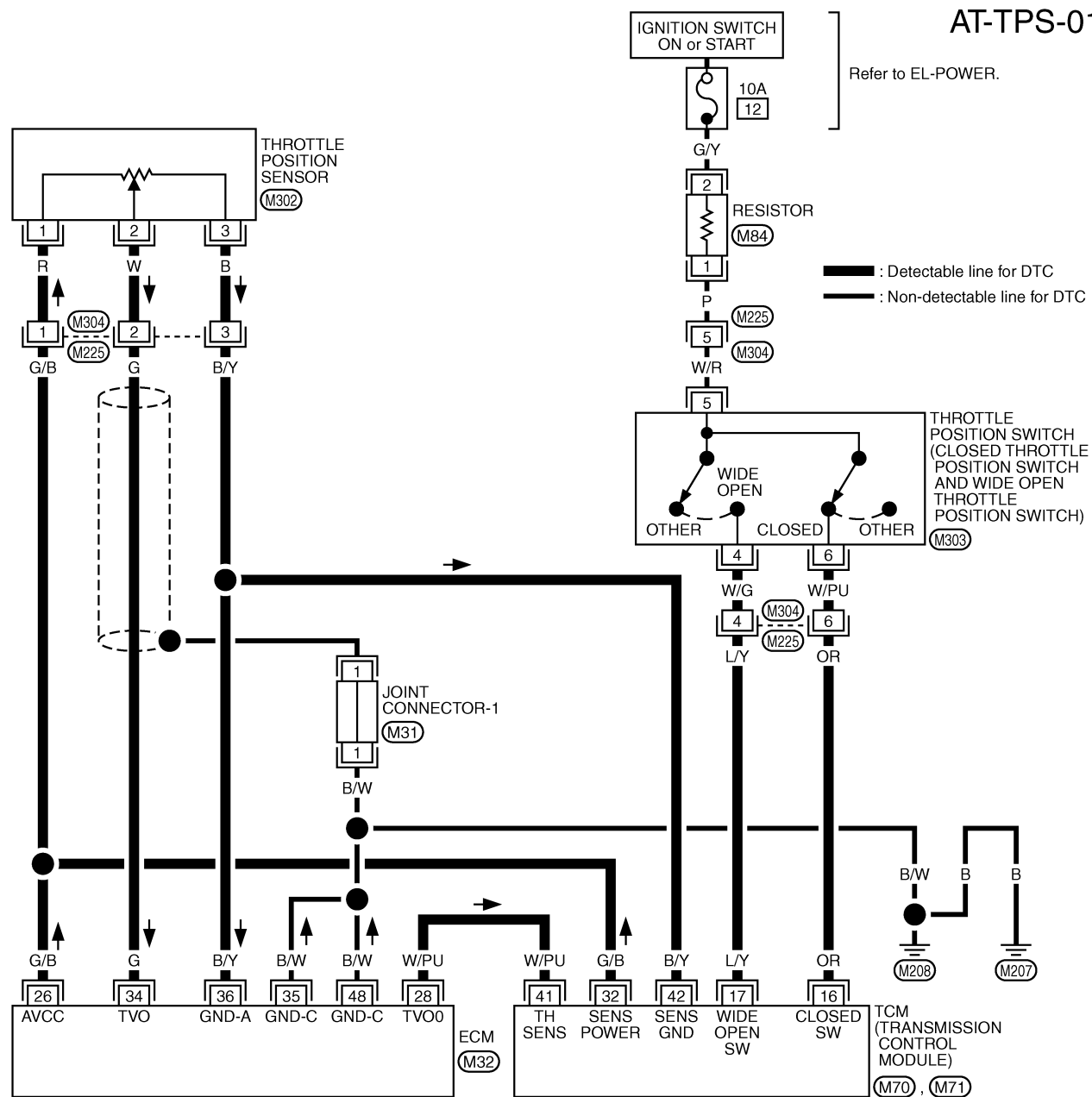


Wiring Diagram — AT — TPS

LHD MODEL WITH KA24DE ENGINE

AT-TPS-01

Refer to EL-POWER.

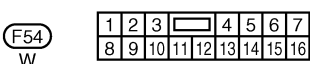
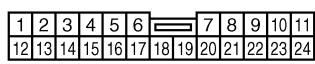
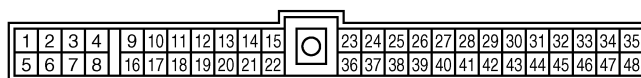
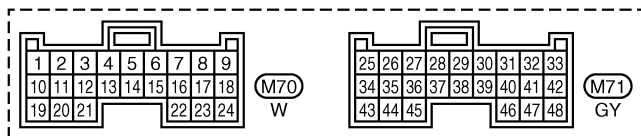
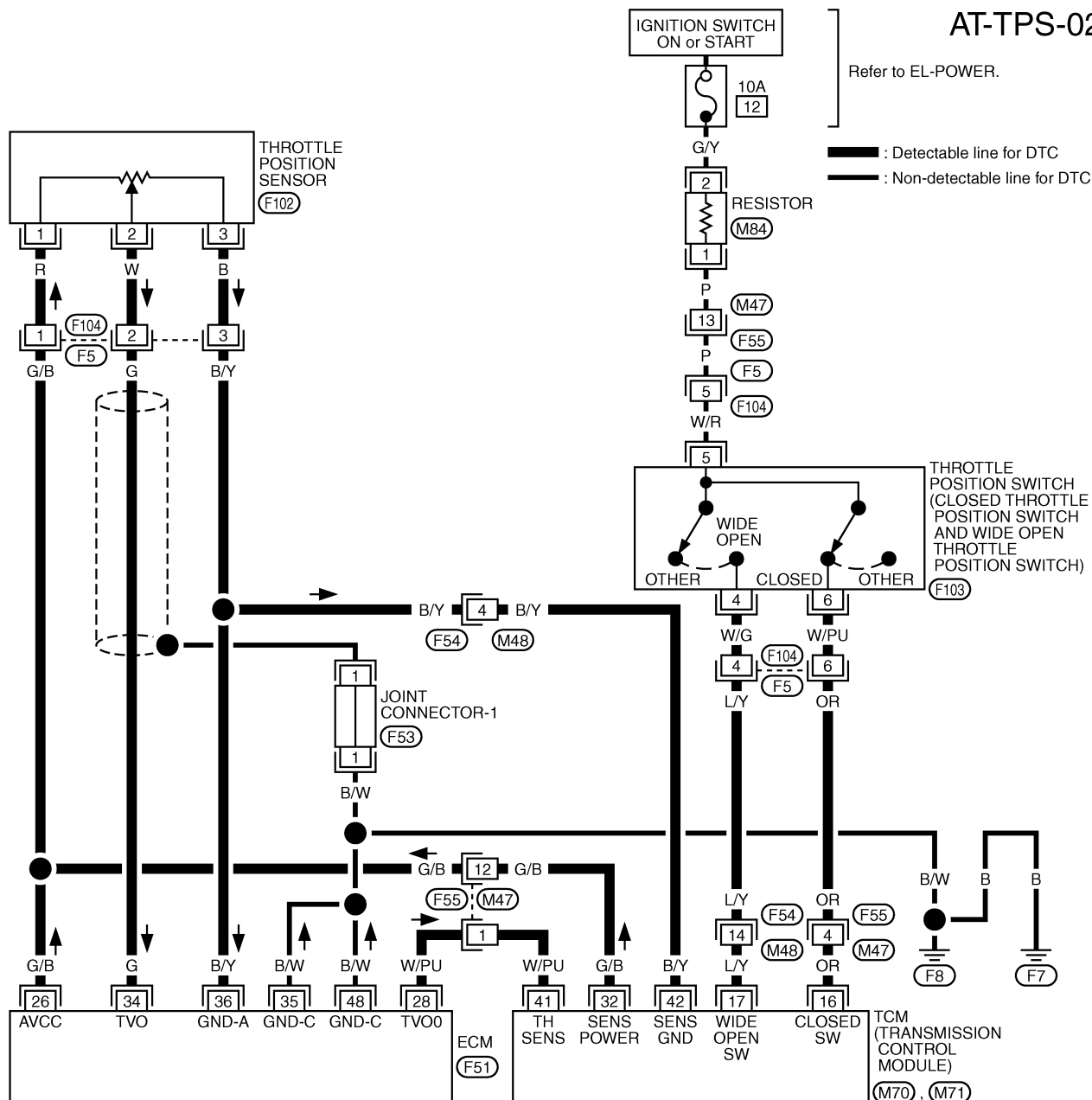


TROUBLE DIAGNOSIS FOR THROTTLE POSI SEN

Wiring Diagram — AT — TPS (Cont'd)

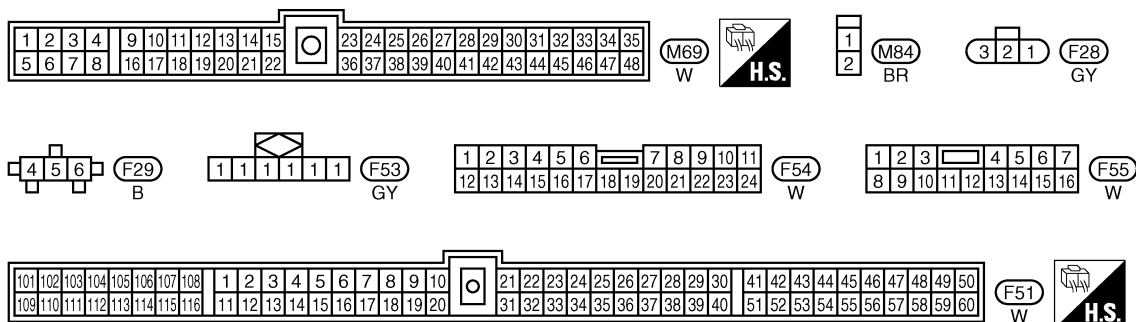
RHD MODEL WITH KA24DE ENGINE

AT-TPS-02



Wiring Diagram — AT — TPS (Cont'd)

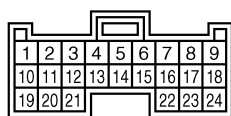
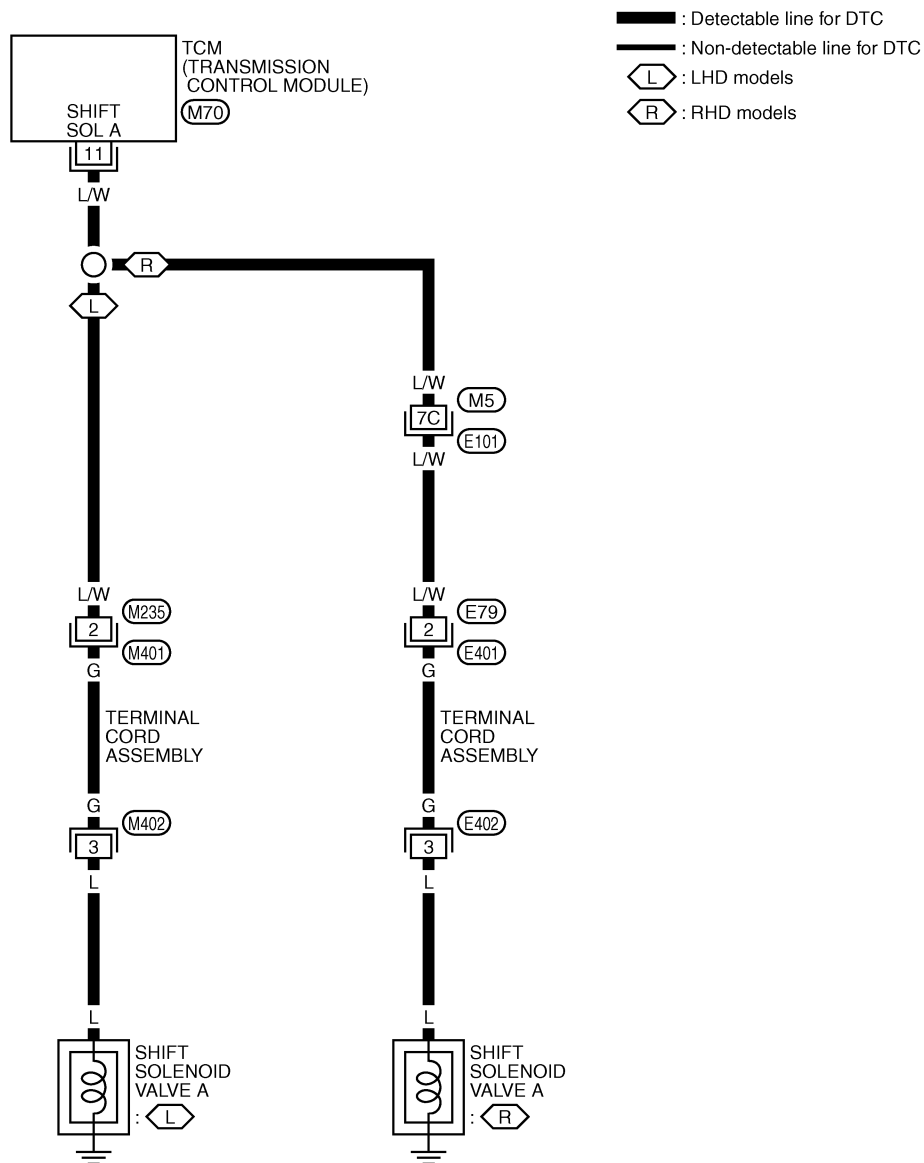
AT-TPS-03



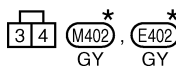
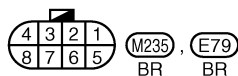
Wiring Diagram — AT — SSV/A

KA24DE ENGINE MODEL

AT-SSV/A-01



(M70)
W



Refer to last page (Foldout page).

(M5), (E101)

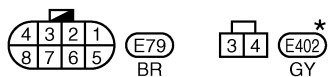
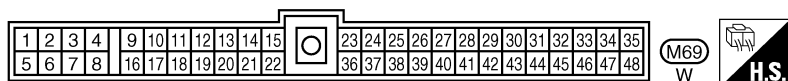
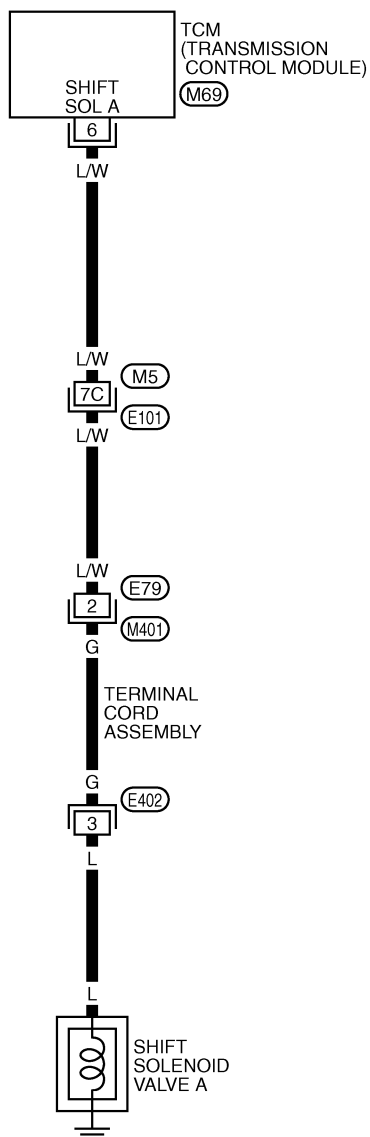
★: This connector is not shown in "HARNESS LAYOUT", EL section.

TROUBLE DIAGNOSIS FOR SHIFT SOLENOID/V A

Wiring Diagram — AT — SSV/A (Cont'd)

VG30E ENGINE MODEL

AT-SSV/A-02



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

Refer to last page (Foldout page).

(M5), (E101)

GI

MA

EM

LC

EC

FE

CL

MT

AT

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PD

FA

RA

BR

ST

RS

BT

HA

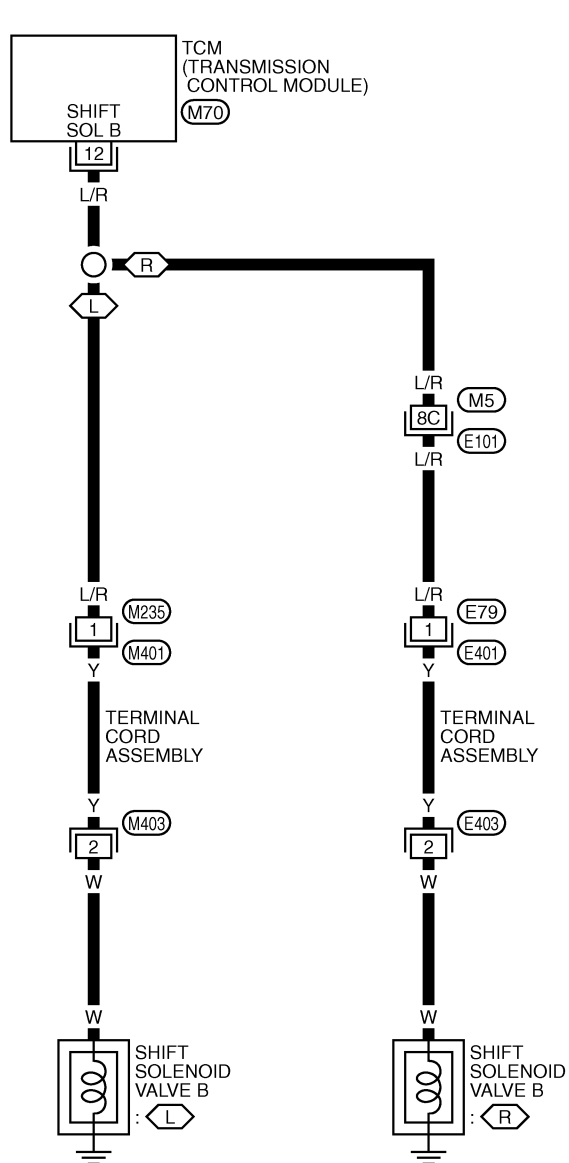
EL

IDX

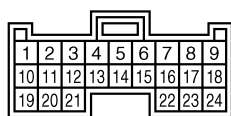
Wiring Diagram — AT — SSV/B

KA24DE ENGINE MODEL

AT-SSV/B-01



— : Detectable line for DTC
 — : Non-detectable line for DTC
 (L) : LHD models
 (R) : RHD models



(M70)
W



(M235)
BR

(E79)
BR



(M403)
BR

(E403)
BR

Refer to last page (Foldout page).

(M5), (E101)

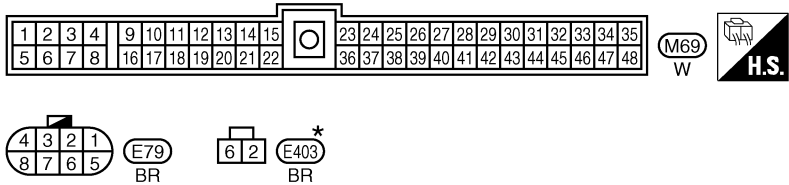
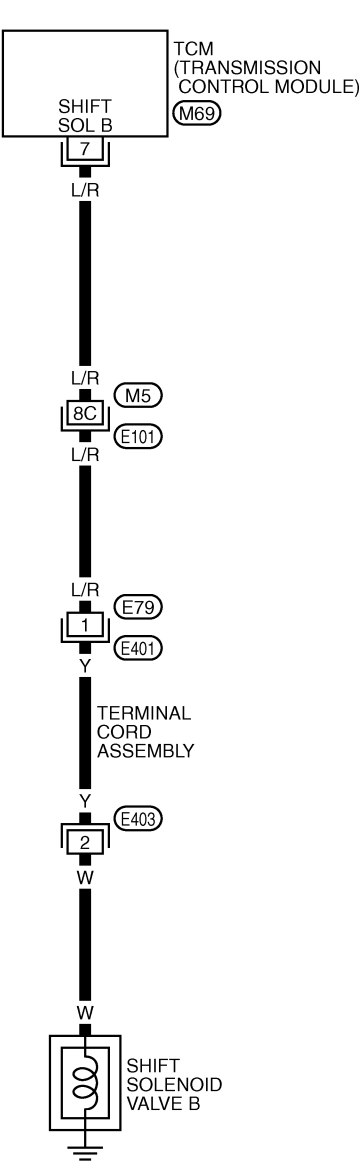
★: This connector is not shown in "HARNESS LAYOUT", EL section.

TROUBLE DIAGNOSIS FOR SHIFT SOLENOID/V B

Wiring Diagram — AT — SSV/B (Cont'd)

VG30E ENGINE MODEL

AT-SSV/B-02

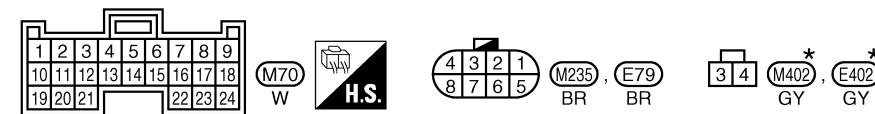
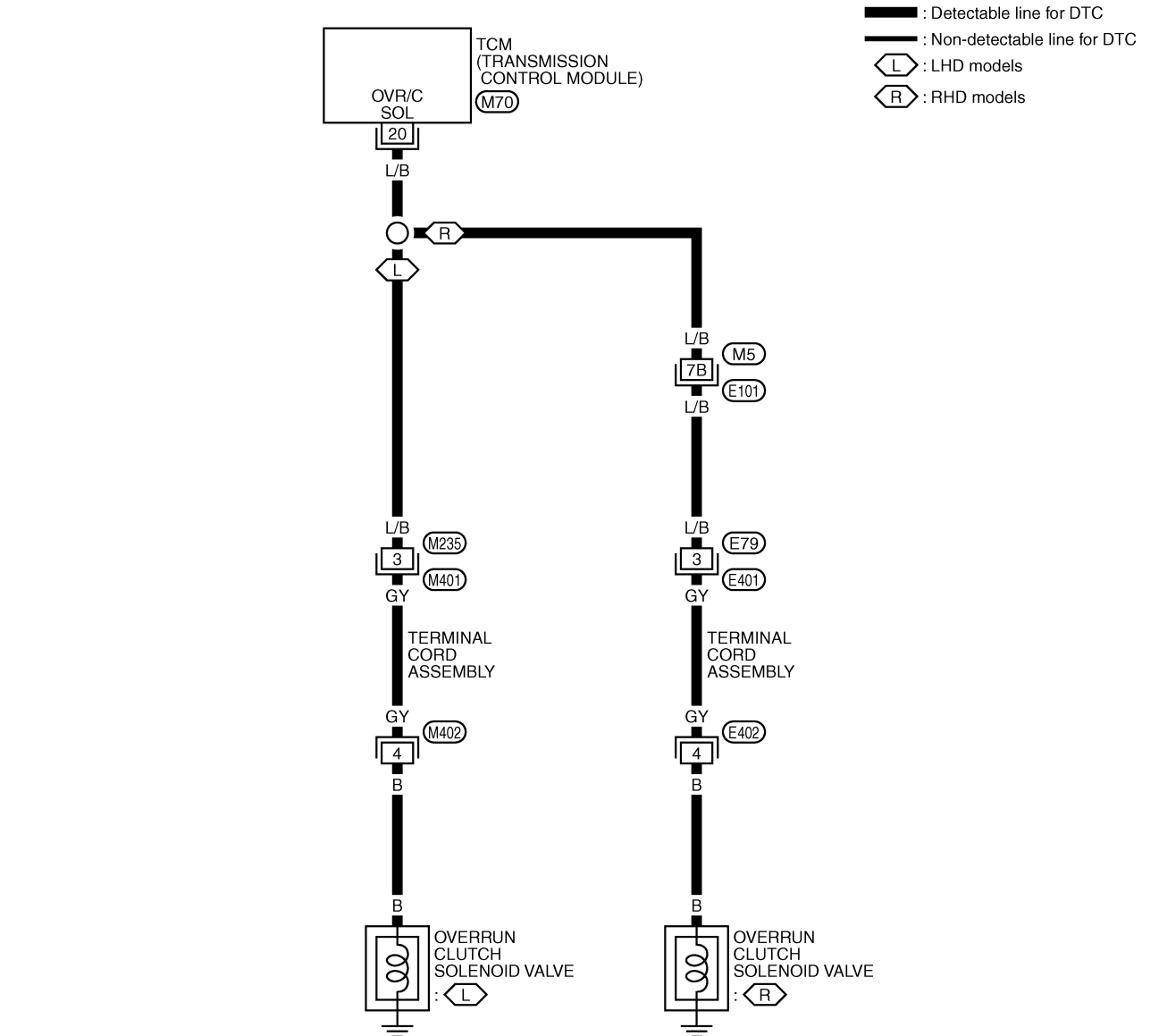


*: This connector is not shown in "HARNESS LAYOUT", EL section.

Refer to last page (Foldout page).
M5 , E101

KA24DE ENGINE MODEL

AT-OVRCSV-01



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

Refer to last page (Foldout page).

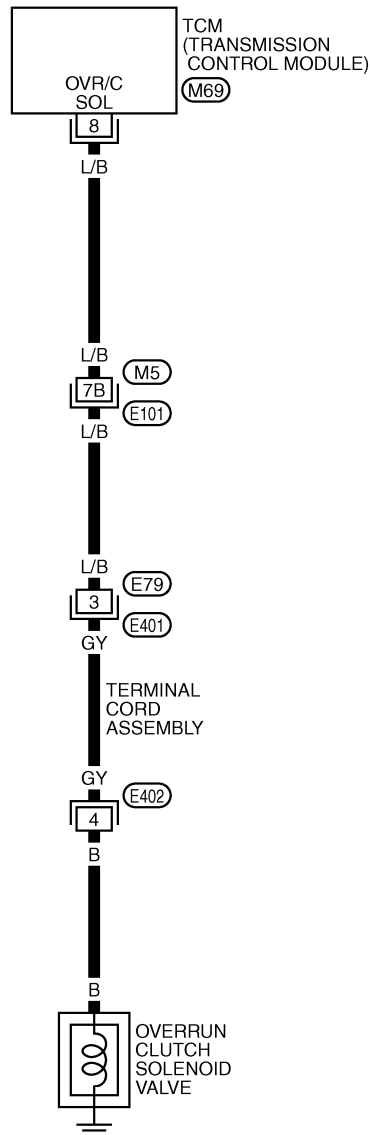
M5, E101

TROUBLE DIAGNOSIS FOR OVERRUN CLUTCH S/V

Wiring Diagram — AT — OVRCSV (Cont'd)

VG30E ENGINE MODEL

AT-OVRCSV-02



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

GI

MA

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LC

EC

FE

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MT

AT

TF

PD

FA

RA

BR

ST

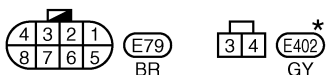
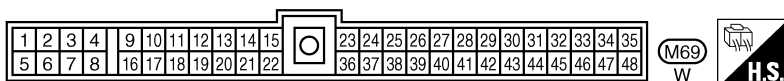
RS

BT

HA

EL

IDX



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

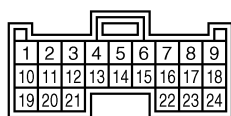
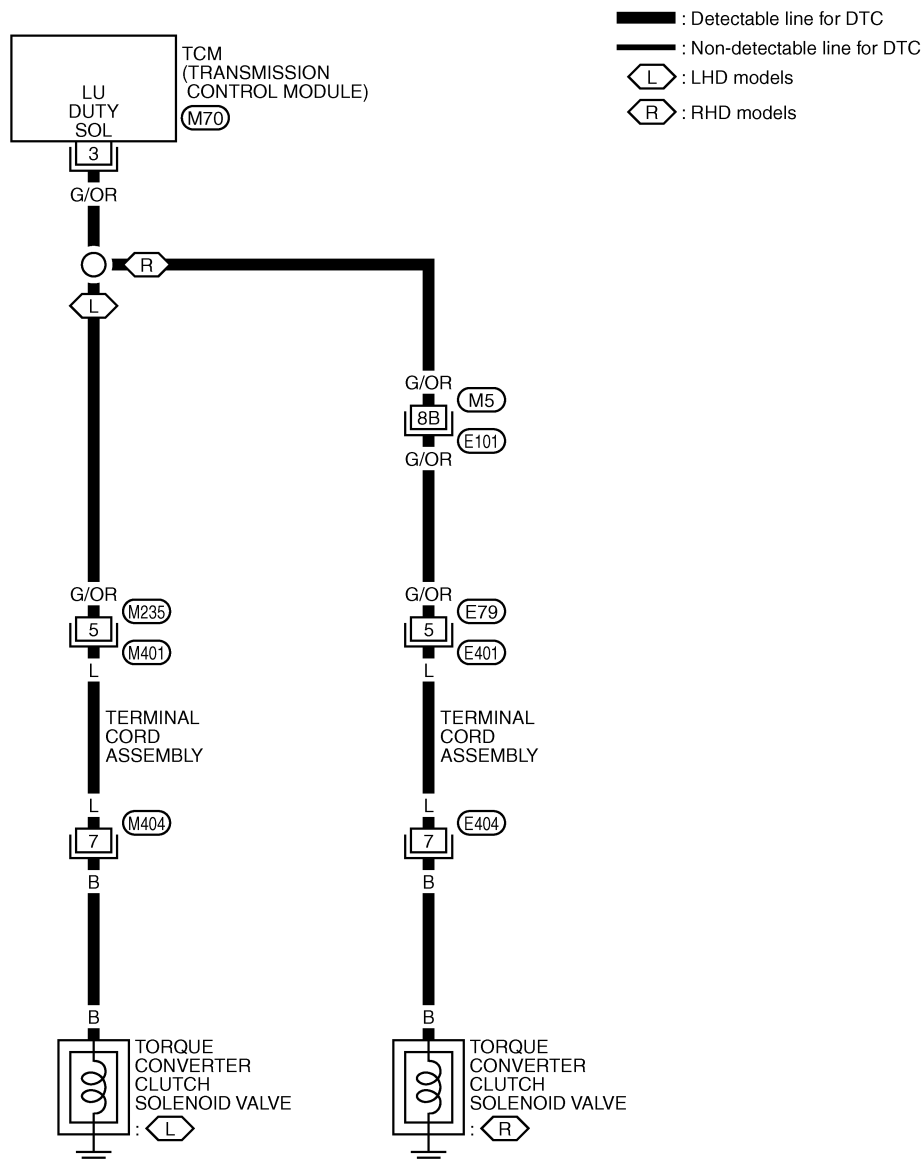
Refer to last page (Foldout page).

(M5), (E101)

Wiring Diagram — AT — TCV

KA24DE ENGINE MODEL

AT-TCV-01



(M70)
W



(M235) (E79)
BR BR



(M404) (E404)
BR BR

Refer to last page (Foldout page).

(M5) (E101)

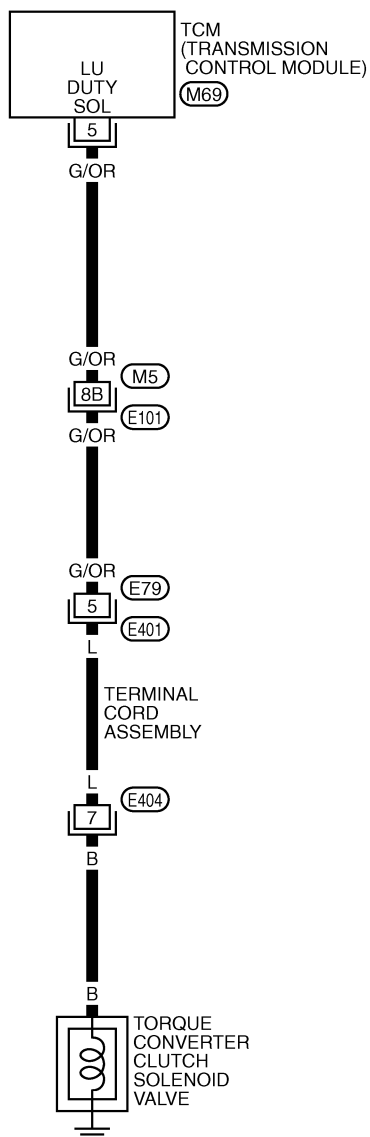
★: This connector is not shown in "HARNESS LAYOUT", EL section.

TROUBLE DIAGNOSIS FOR T/C CLUTCH SOL/V

Wiring Diagram — AT — TCV (Cont'd)

VG30E ENGINE MODEL

AT-TCV-02



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

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

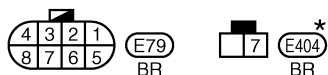
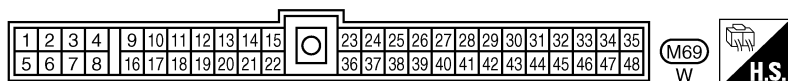
RS

BT

HA

EL

IDX



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

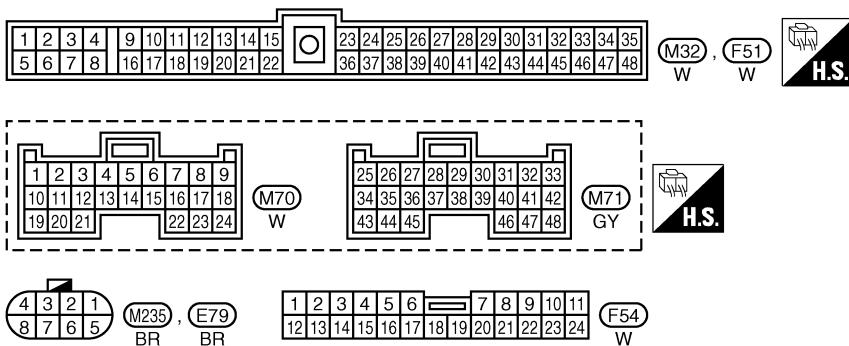
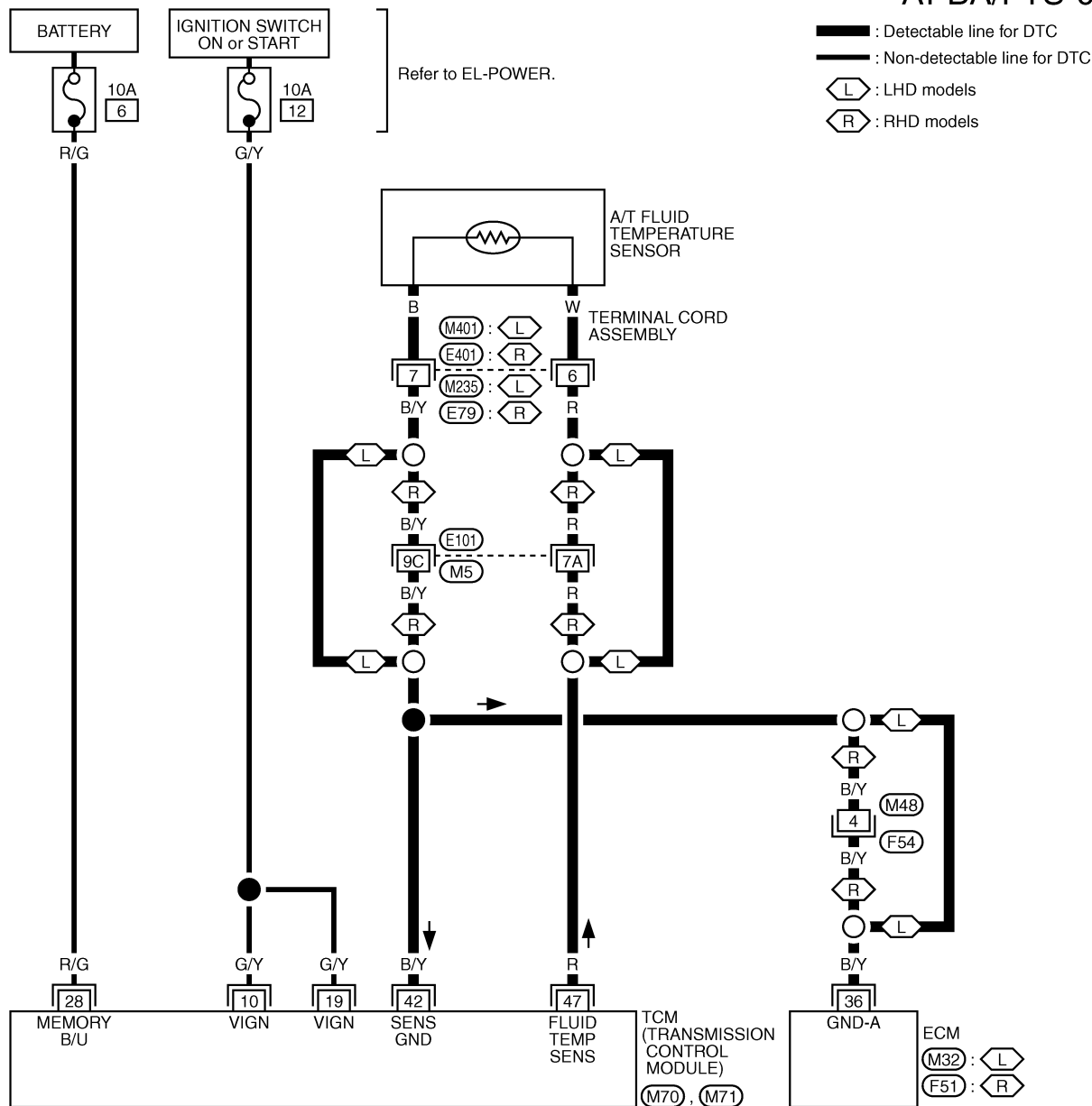
Refer to last page (Foldout page).

(M5), (E101)

Wiring Diagram — AT — BA/FTS

KA24DE ENGINE MODEL

AT-BA/FTS-01

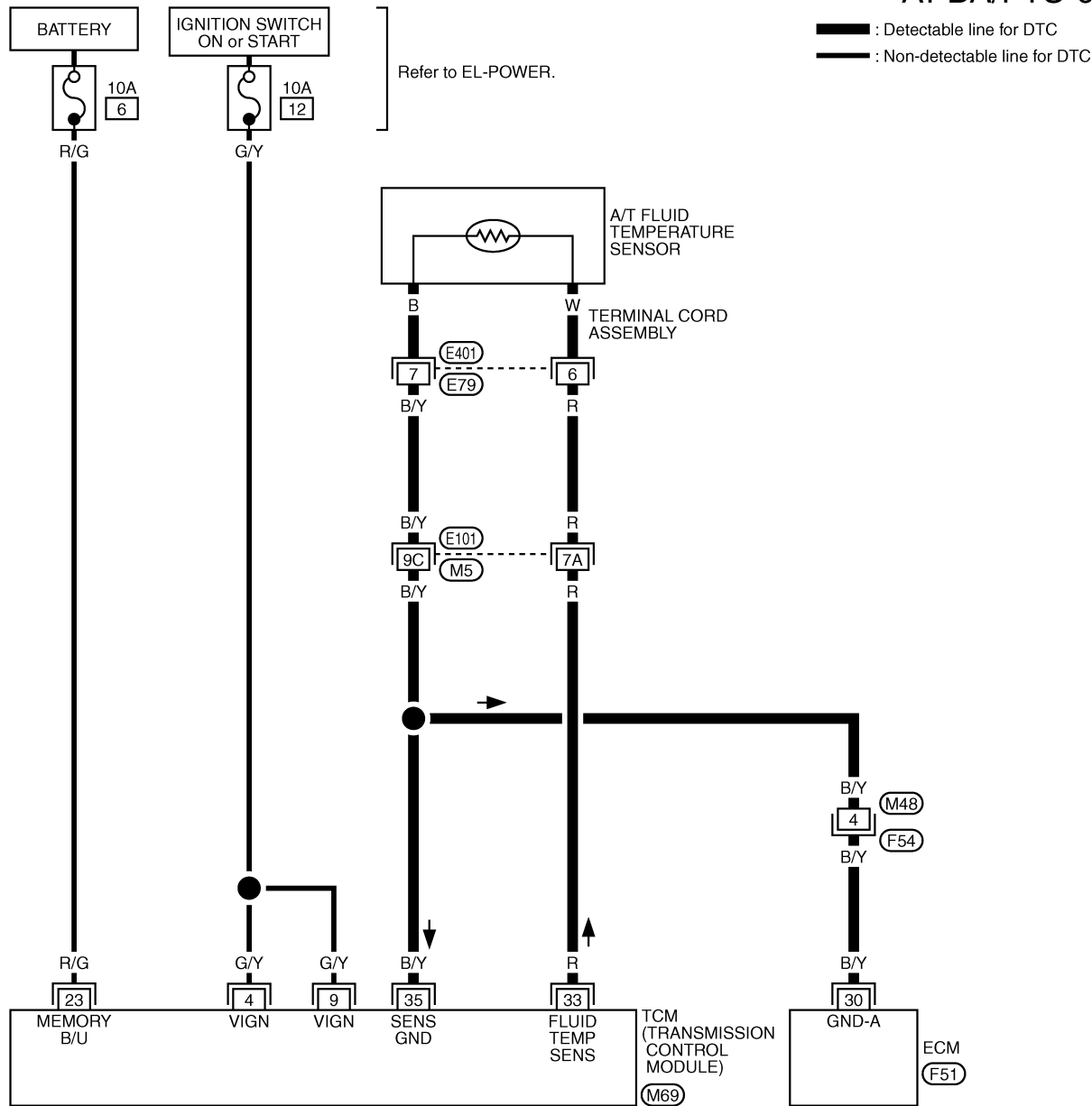


TROUBLE DIAGNOSIS FOR BATT/FLUID TEMP SEN

Wiring Diagram — AT — BA/FTS (Cont'd)

VG30E ENGINE MODEL

AT-BA/FTS-02



1	2	3	4	9	10	11	12	13	14	15	23	24	25	26	27	28	29	30	31	32	33	34	35
5	6	7	8	16	17	18	19	20	21	22	36	37	38	39	40	41	42	43	44	45	46	47	48

M69
W



4	3	2	1	E79
8	7	6	5	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

F54

W

Refer to last page (Foldout page).

M5, E101

101	102	103	104	105	106	107	108	1	2	3	4	5	6	7	8	9	10	21	22	23	24	25	26	27	28	29	30	41	42	43	44	45	46	47	48	49	50
109	110	111	112	113	114	115	116	11	12	13	14	15	16	17	18	19	20	31	32	33	34	35	36	37	38	39	40	51	52	53	54	55	56	57	58	59	60

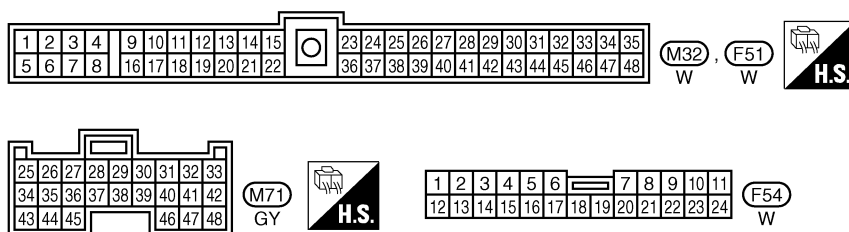
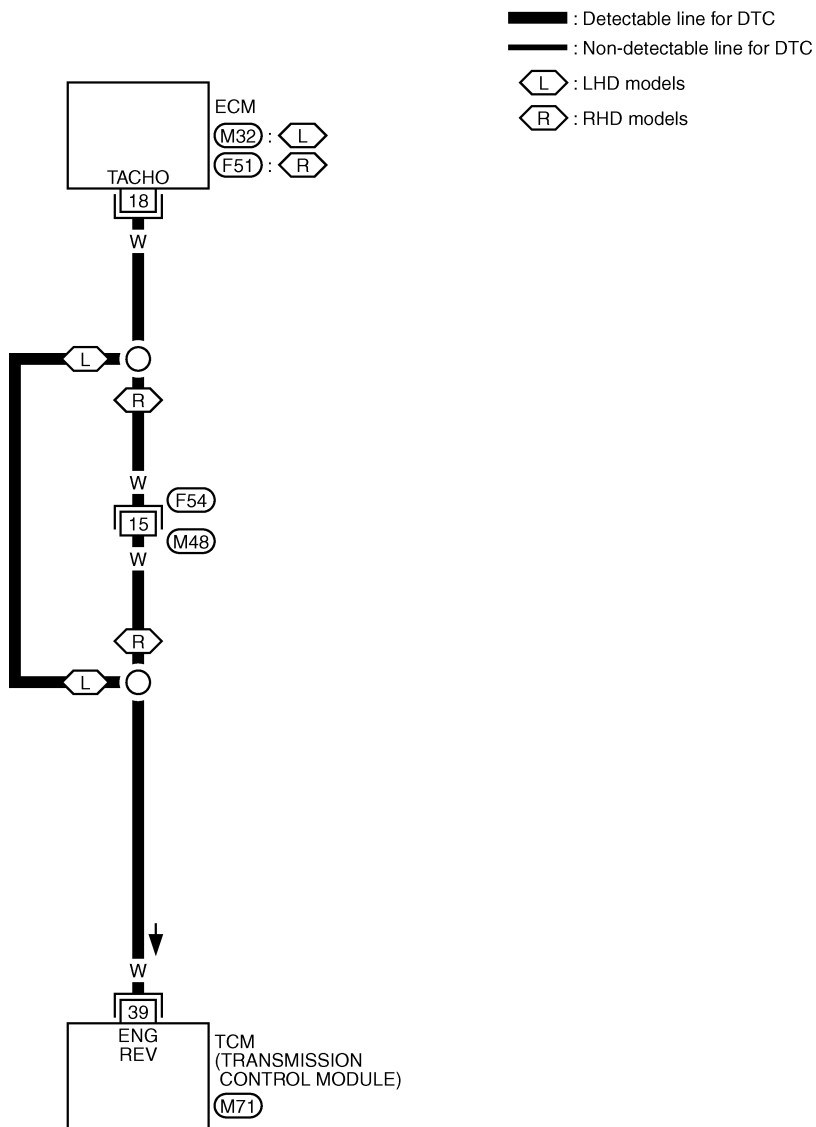
F51
W



Wiring Diagram — AT — ENGSS

KA24DE ENGINE MODEL

AT-ENGSS-01

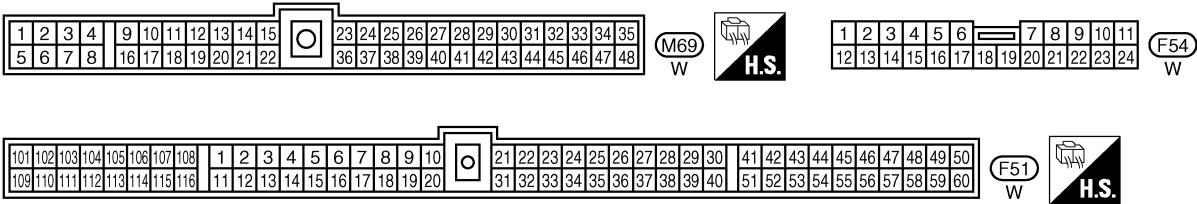
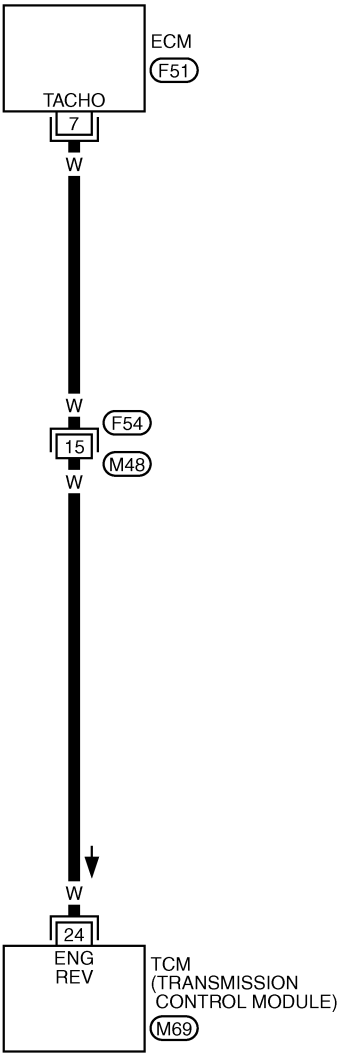


TROUBLE DIAGNOSIS FOR ENGINE SPEED SIG
Wiring Diagram — AT — ENGSS (Cont'd)

VG30E ENGINE MODEL

AT-ENGSS-02

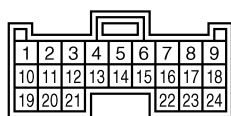
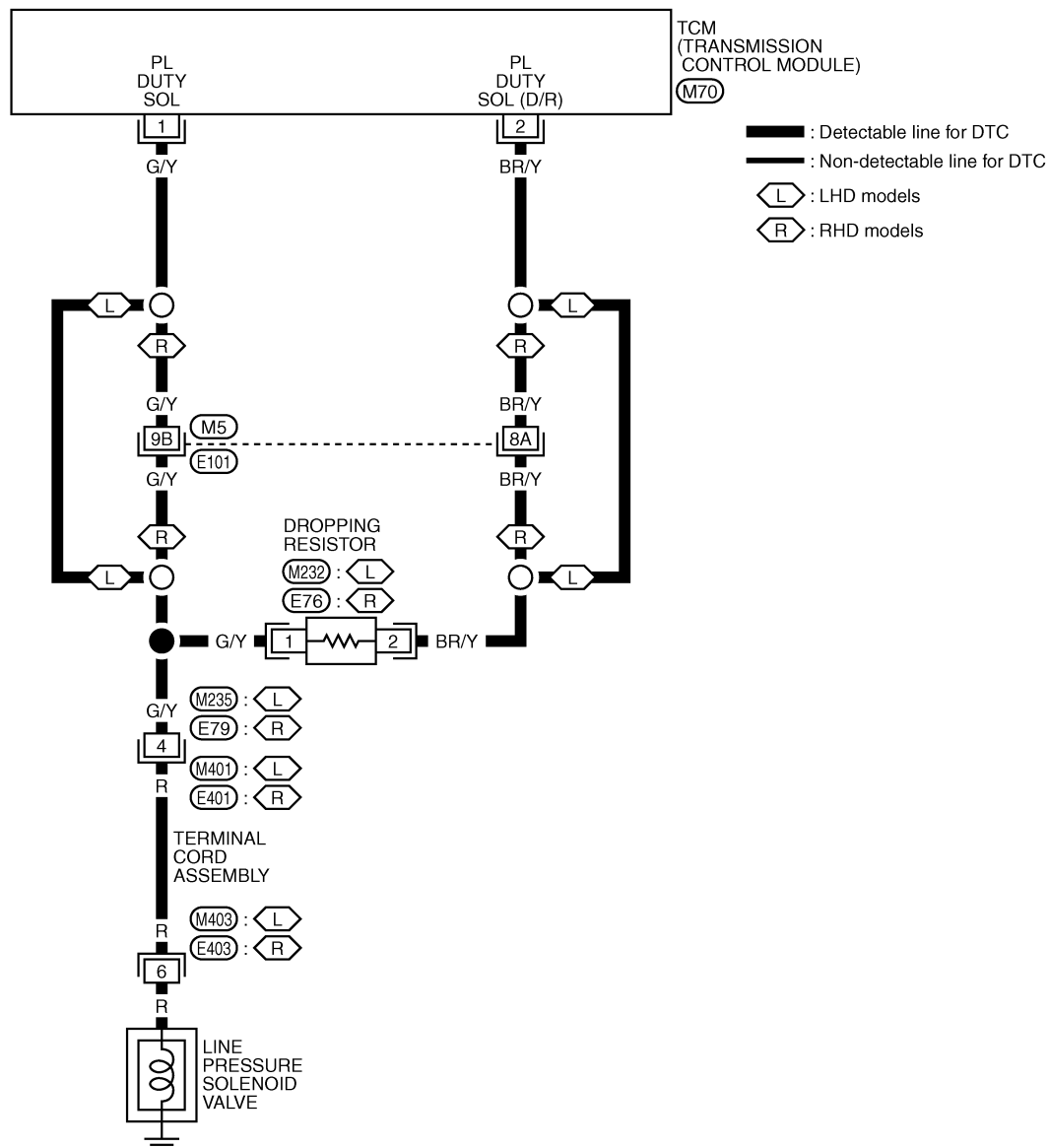
: Detectable line for DTC
: Non-detectable line for DTC



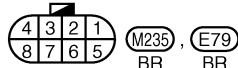
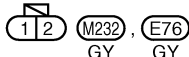
Wiring Diagram — AT — LPSV

KA24DE ENGINE MODEL

AT-LPSV-01



(M70) W



Refer to last page (Foldout page).

(M5), (E101)



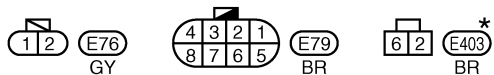
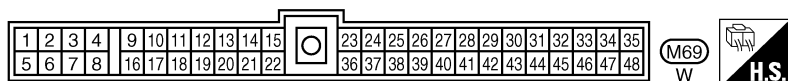
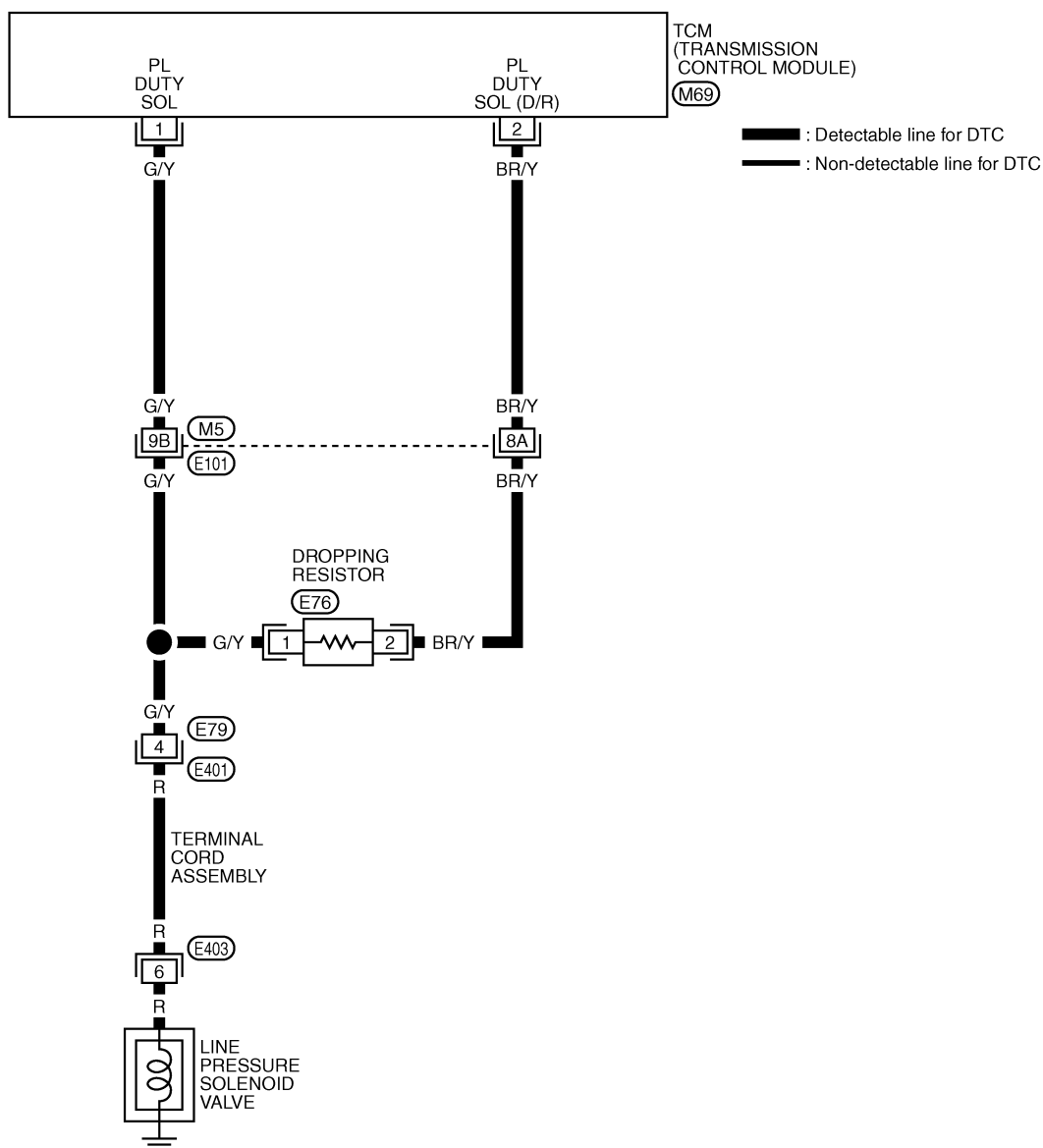
★: This connector is not shown in "HARNESS LAYOUT", EL section.

TROUBLE DIAGNOSIS FOR LINE PRESSURE S/V

Wiring Diagram — AT — LPSV (Cont'd)

VG30E ENGINE MODEL

AT-LPSV-02



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

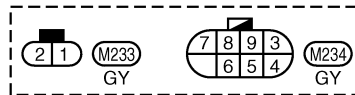
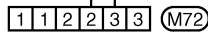
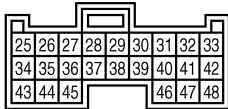
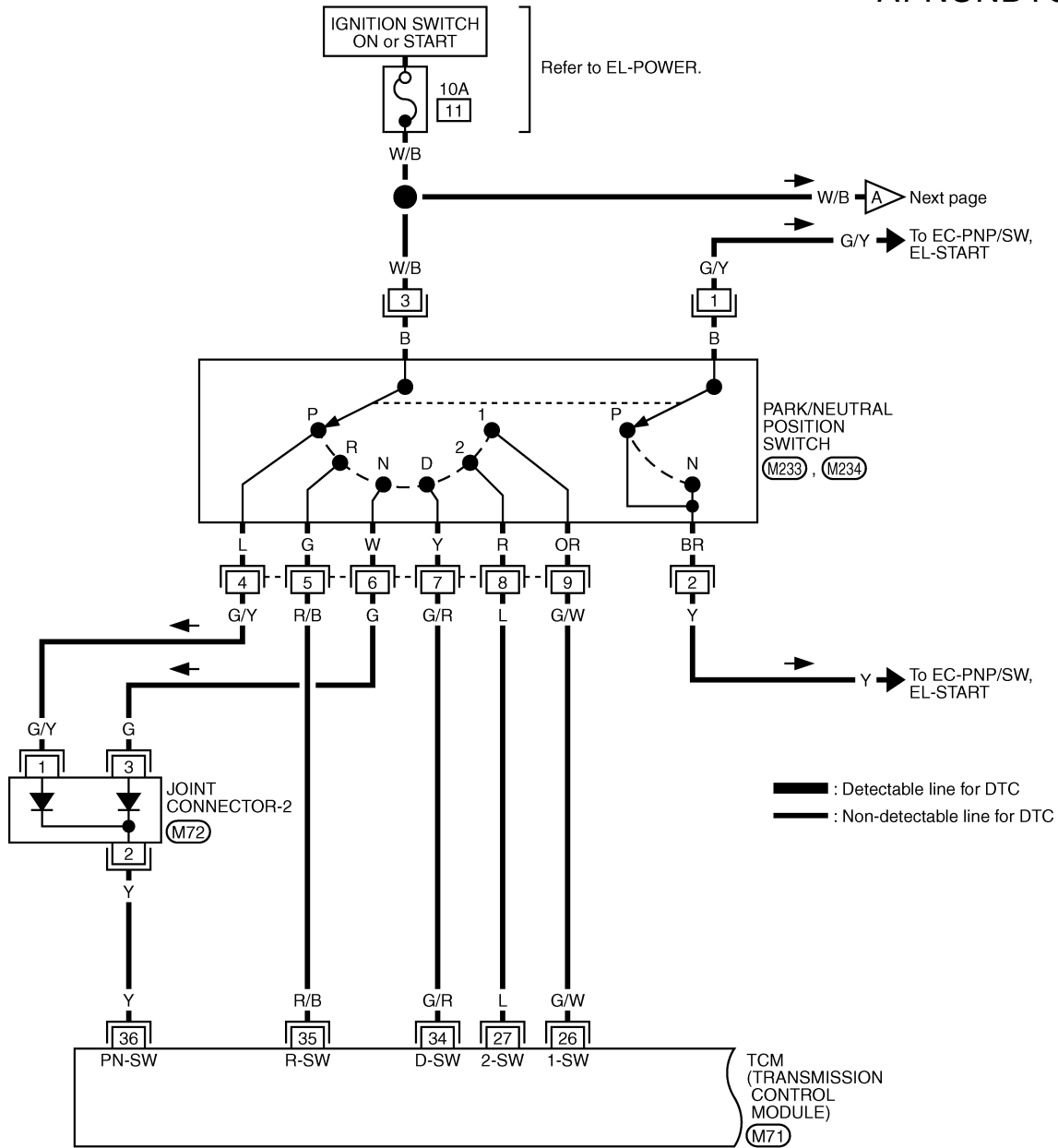
Refer to last page (Foldout page).

(M5), (E101)

Wiring Diagram — AT — NONDTC

LHD MODEL WITH KA24DE ENGINE

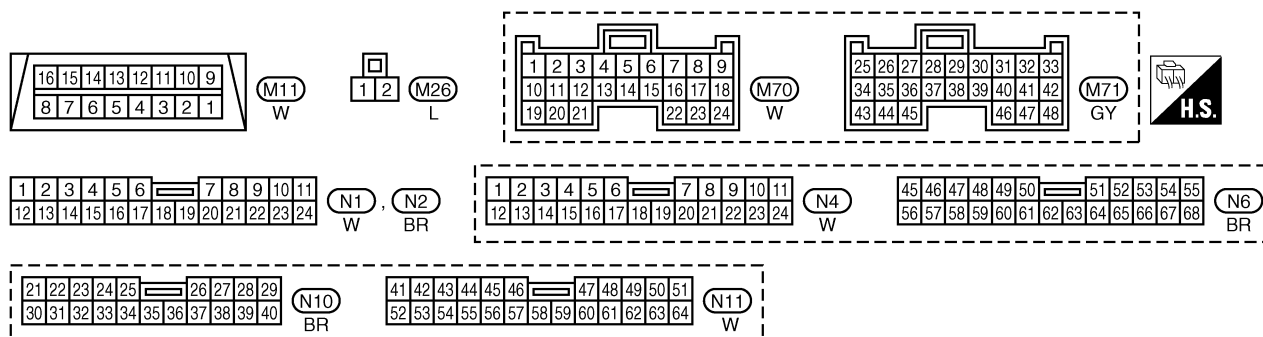
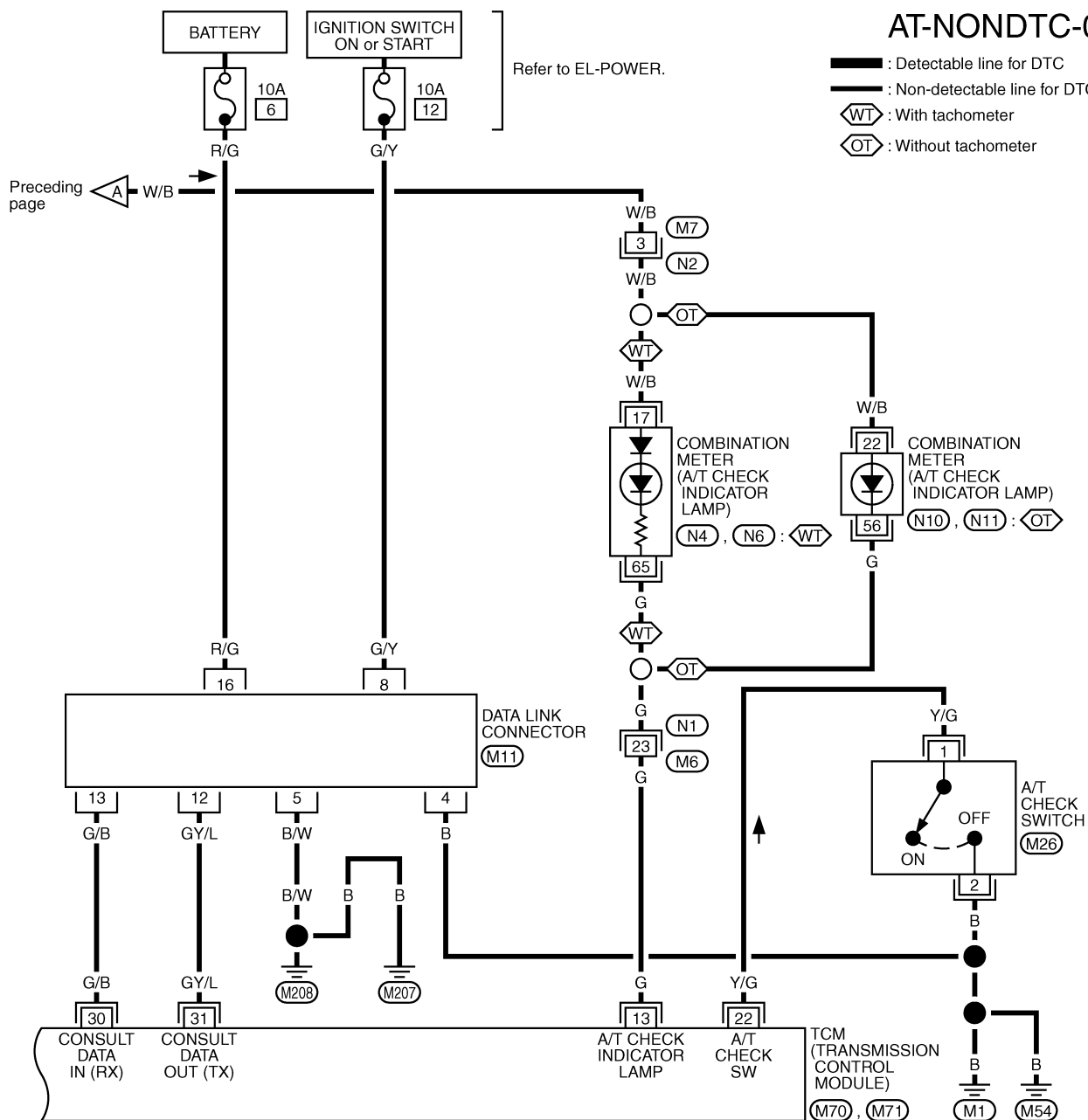
AT-NONDTC-01



TROUBLE DIAGNOSES FOR SYMPTOMS

Wiring Diagram — AT — NONDTC (Cont'd)

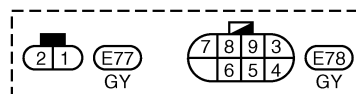
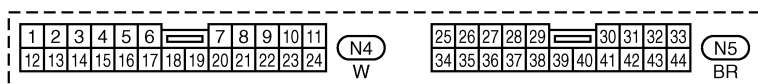
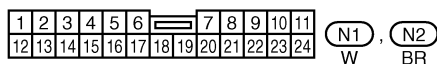
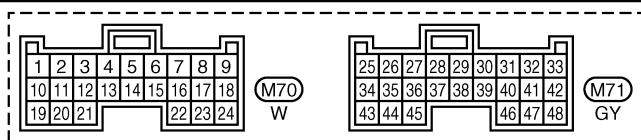
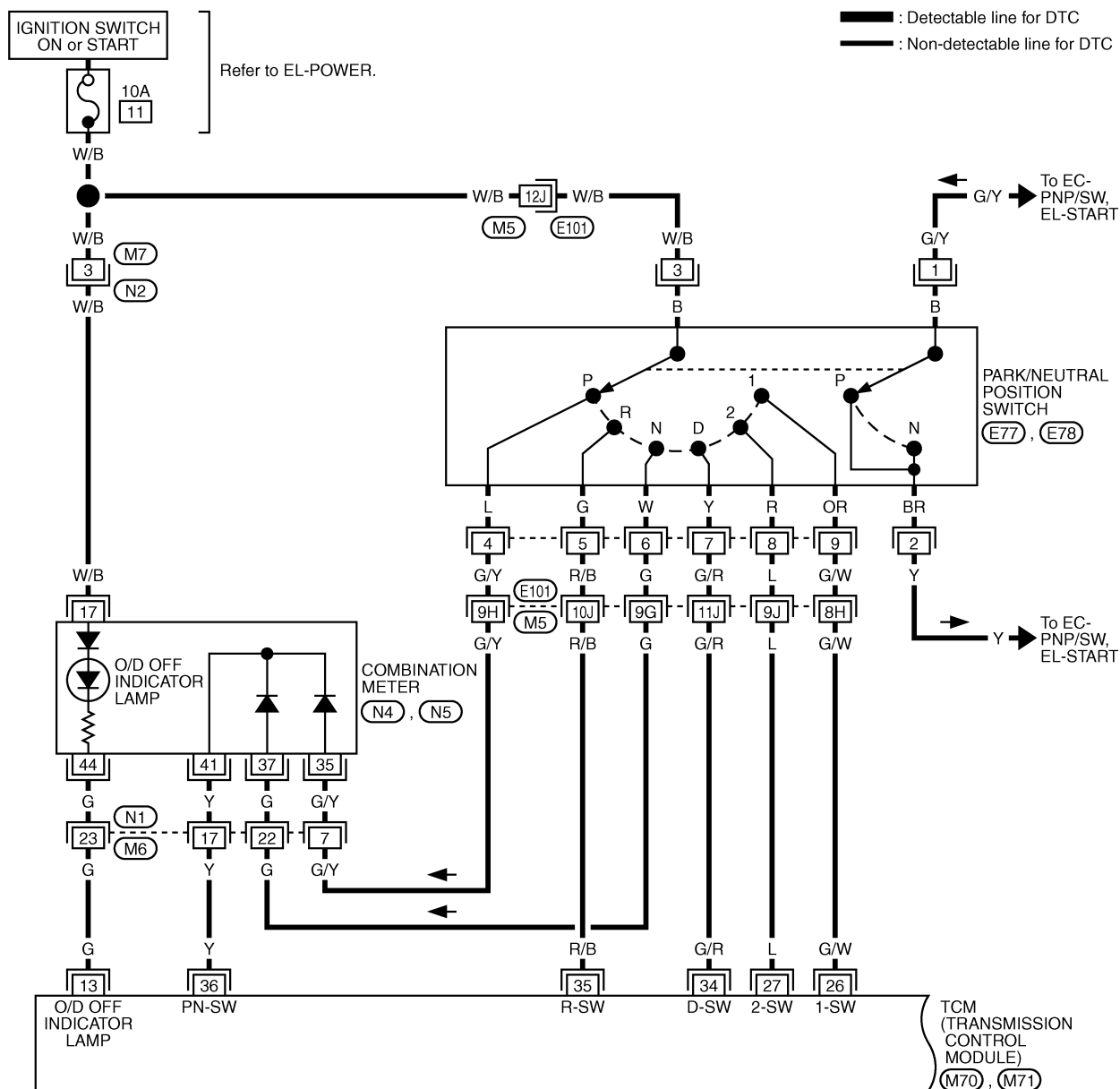
AT-NONDTC-02



Wiring Diagram — AT — NONDTC (Cont'd)

RHD MODEL WITH KA24DE ENGINE

AT-NONDTTC-03



Refer to last page (Foldout page).

(M5), (E101)



AT-NONDTC-04

IDX

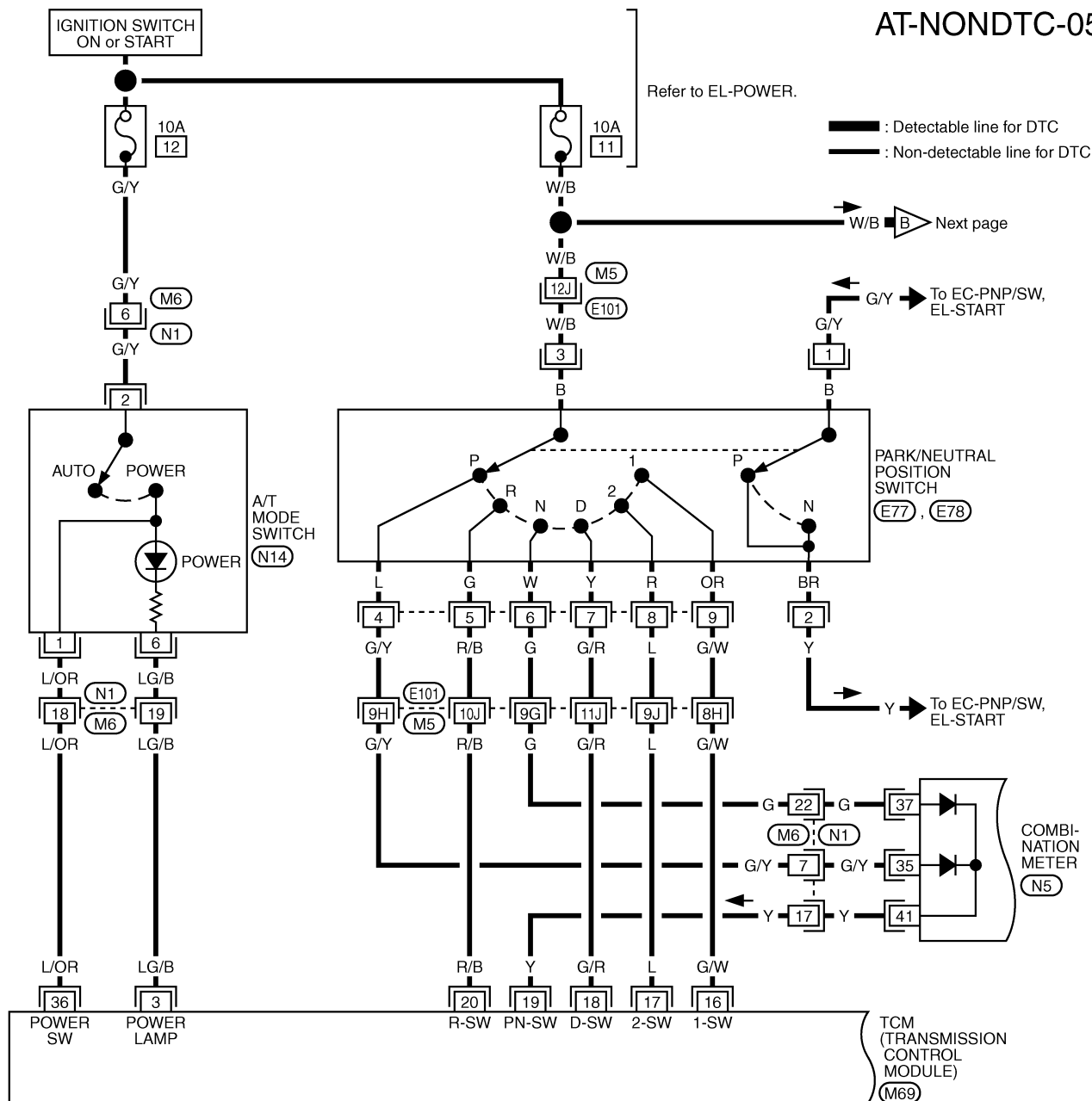


TROUBLE DIAGNOSES FOR SYMPTOMS

Wiring Diagram — AT — NONDTC (Cont'd)

VG30E ENGINE MODEL

AT-NONDTC-05



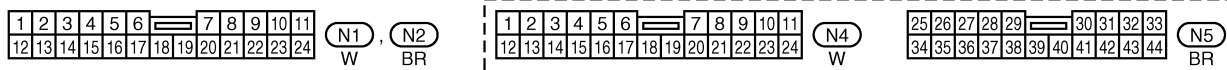
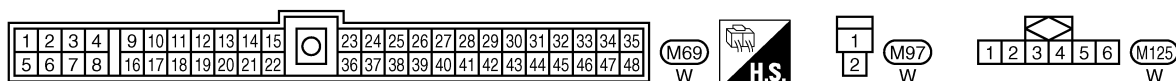
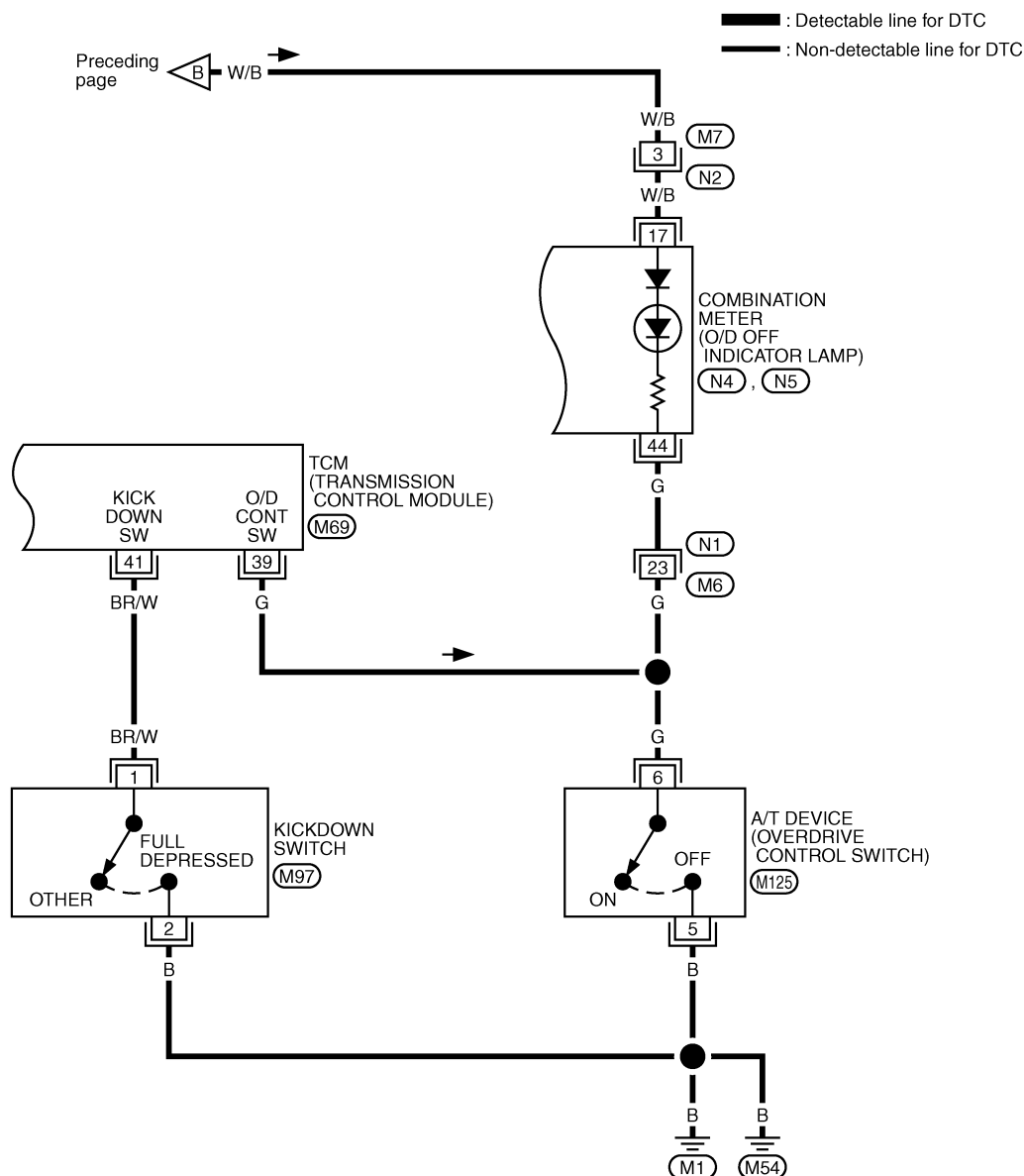
Refer to last page (Foldout page).

(M5, E101)

TROUBLE DIAGNOSES FOR SYMPTOMS

Wiring Diagram — AT — NONDTC (Cont'd)

AT-NONDTC-06



Wiring Diagram — SHIFT —

AT-SHIFT-01

