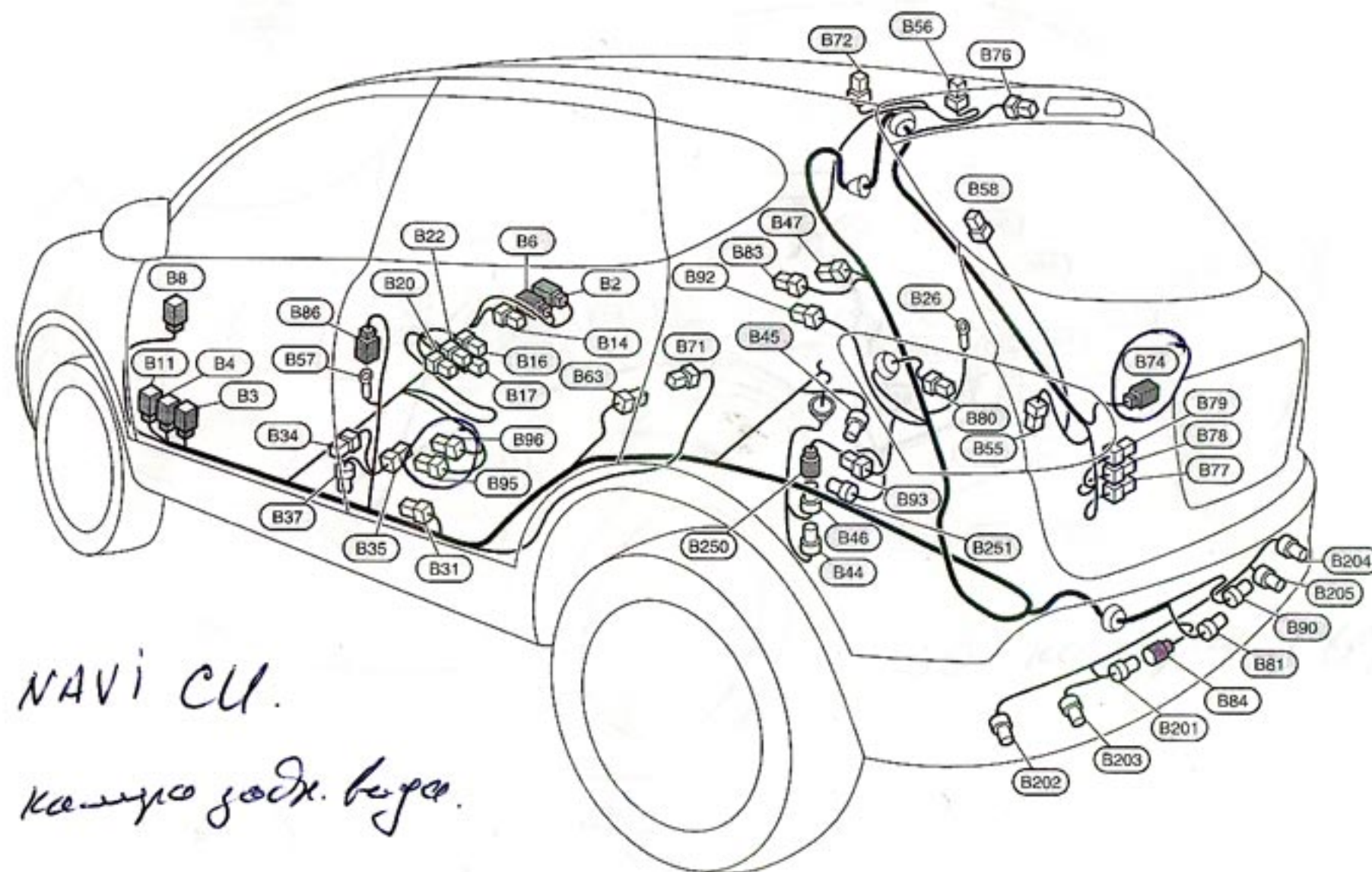


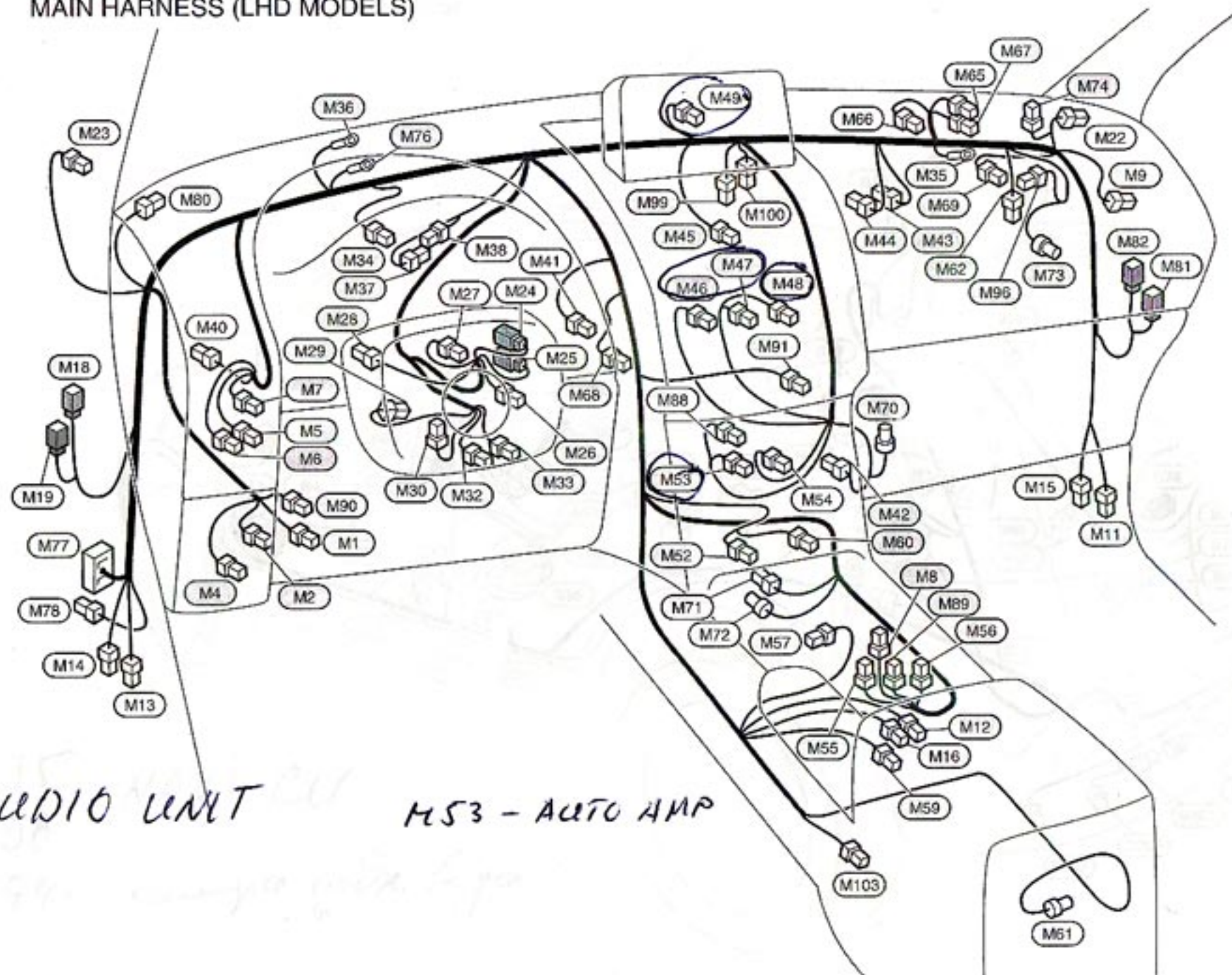
BODY HARNESS LH (LHD MODELS)



B 95 NAVI CU.
 B 96
 B 74 - калык жогд. б. ж.

DISPLAY UNIT M49

MAIN HARNESS (LHD MODELS)



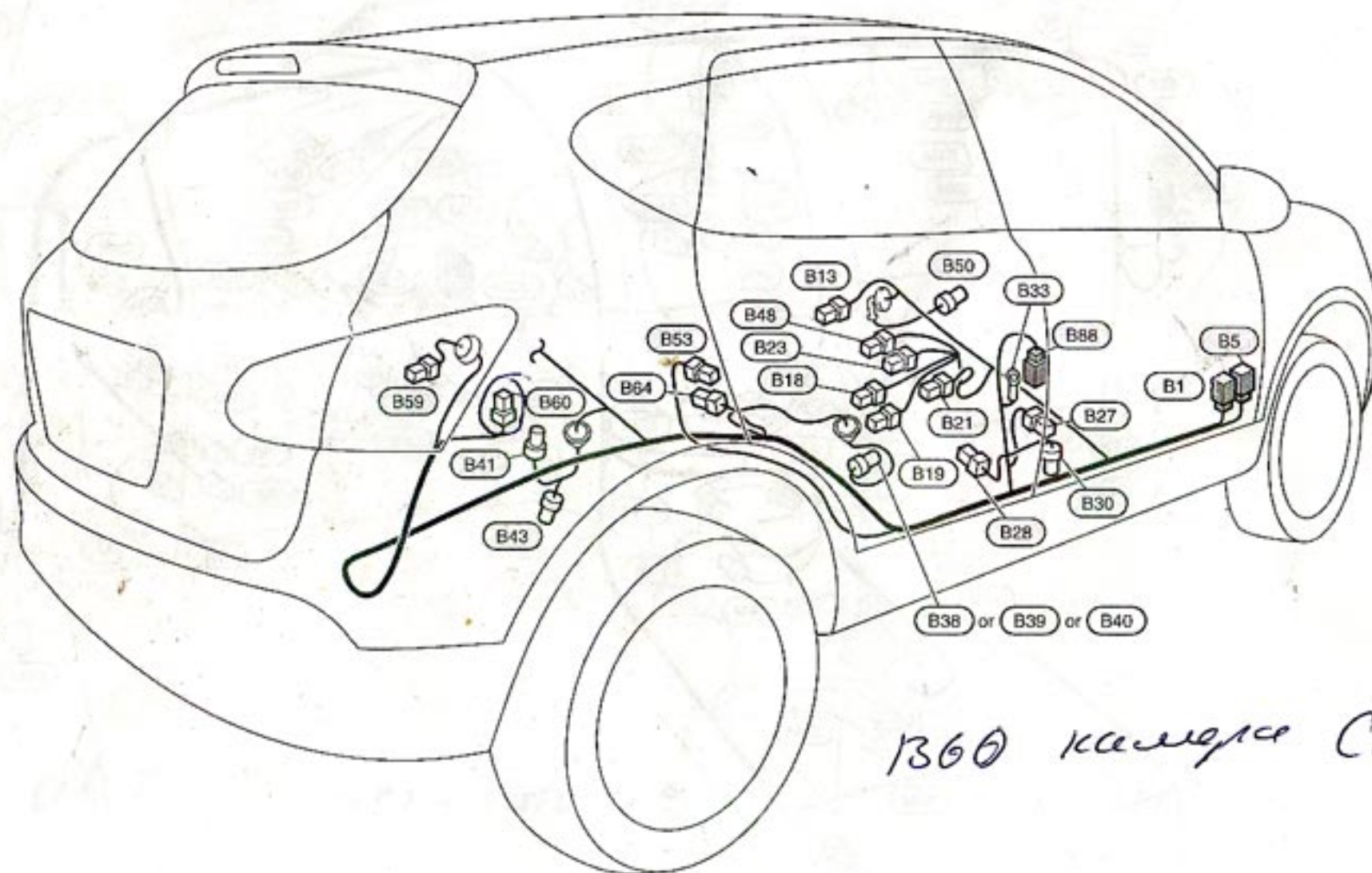
M47
M48
M48

AUDIO UNIT

M53 - AUTO AMP

920 17 81

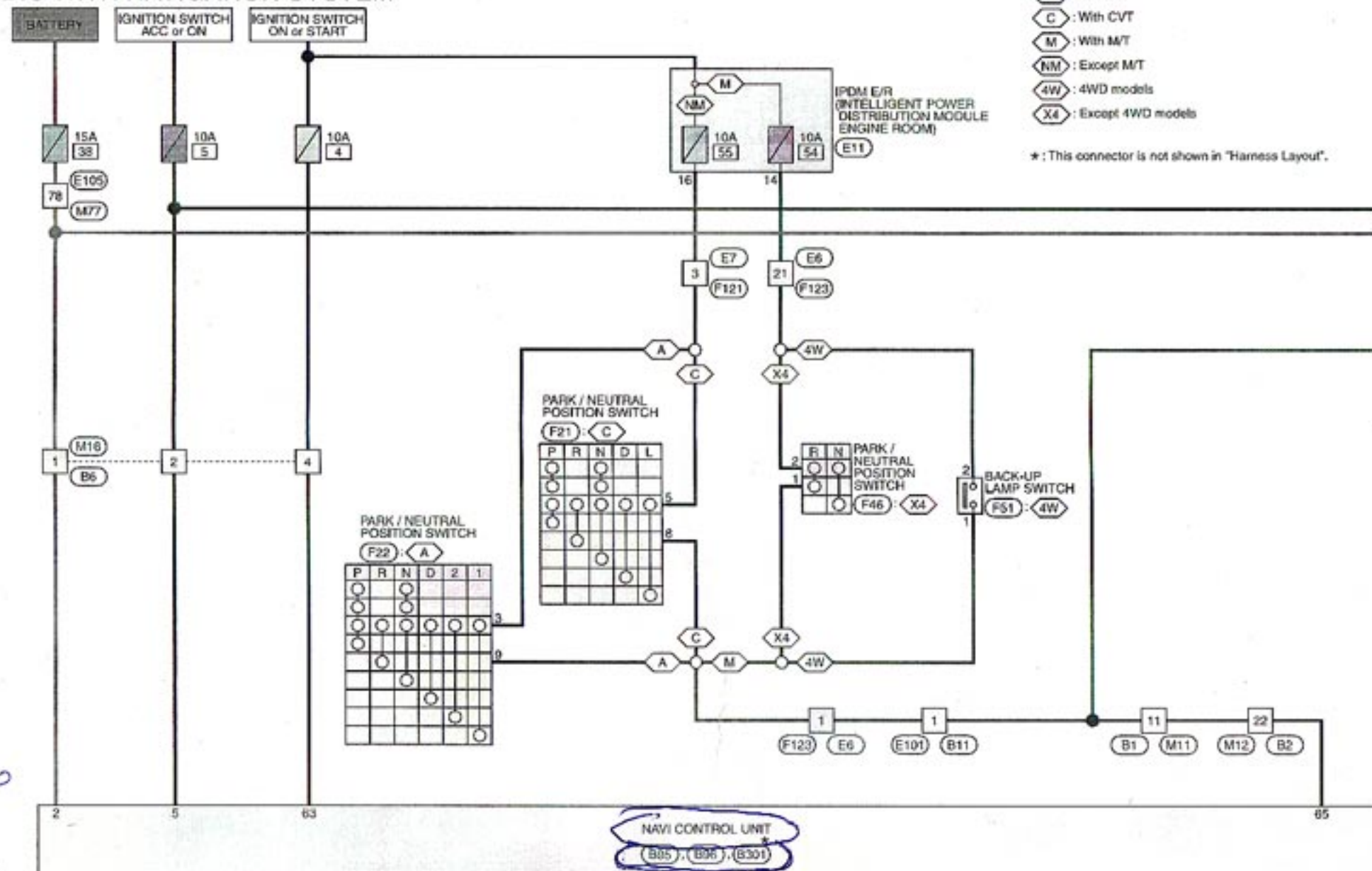
BODY HARNESS RH (LHD MODELS)



Б60 камера сл.

Автоцентр
Genger

AUDIO WITH NAVIGATION SYSTEM



блок управл.
системой
Навигация

The diagram illustrates the electrical connections for a navigation system. Key components and their connections include:

- CAMERA CONTROL UNIT (B60):** Receives power from the battery (terminals 13, 12) via relay M11 and B1. It controls the rear view camera (B74) through terminals 8, 10, 9, and 3. It also interfaces with the display unit (M49) via terminals 12, 11, 5, and 6.
- DISPLAY UNIT (M49):** Labeled with handwritten "-ex56". It has multiple input/output lines (terminals 17, 19, 18, 6, 4, 2, 7, 10, 5, 3, 1, 8, 23) connected to various relays and the camera unit. It also has a connection to the NAVI CONTROL UNIT (terminal 67).
- REAR VIEW CAMERA (B74):** Connected to the camera control unit and the display unit via terminals 1, 3, 4, and 2. It is powered by B26.
- DATA LINK CONNECTOR (M4):** Facilitates communication between the camera control unit and the combination meter (M34) via two data lines. It is also connected to the NAVI CONTROL UNIT (terminals 71, 72) and the parking brake switch (M103) via terminals 18, 19, B2, and B5.
- COMBINATION METER (M34):** Receives data from the camera control unit and the data link connector. It is connected to the parking brake switch (M103) via terminals 21, 22, 31, 6, and 5.
- NAVI CONTROL UNIT (B95, B98, B301):** Receives power from the battery (terminal 61) and is connected to the display unit (terminal 67) and the data link connector (terminals 71, 72).

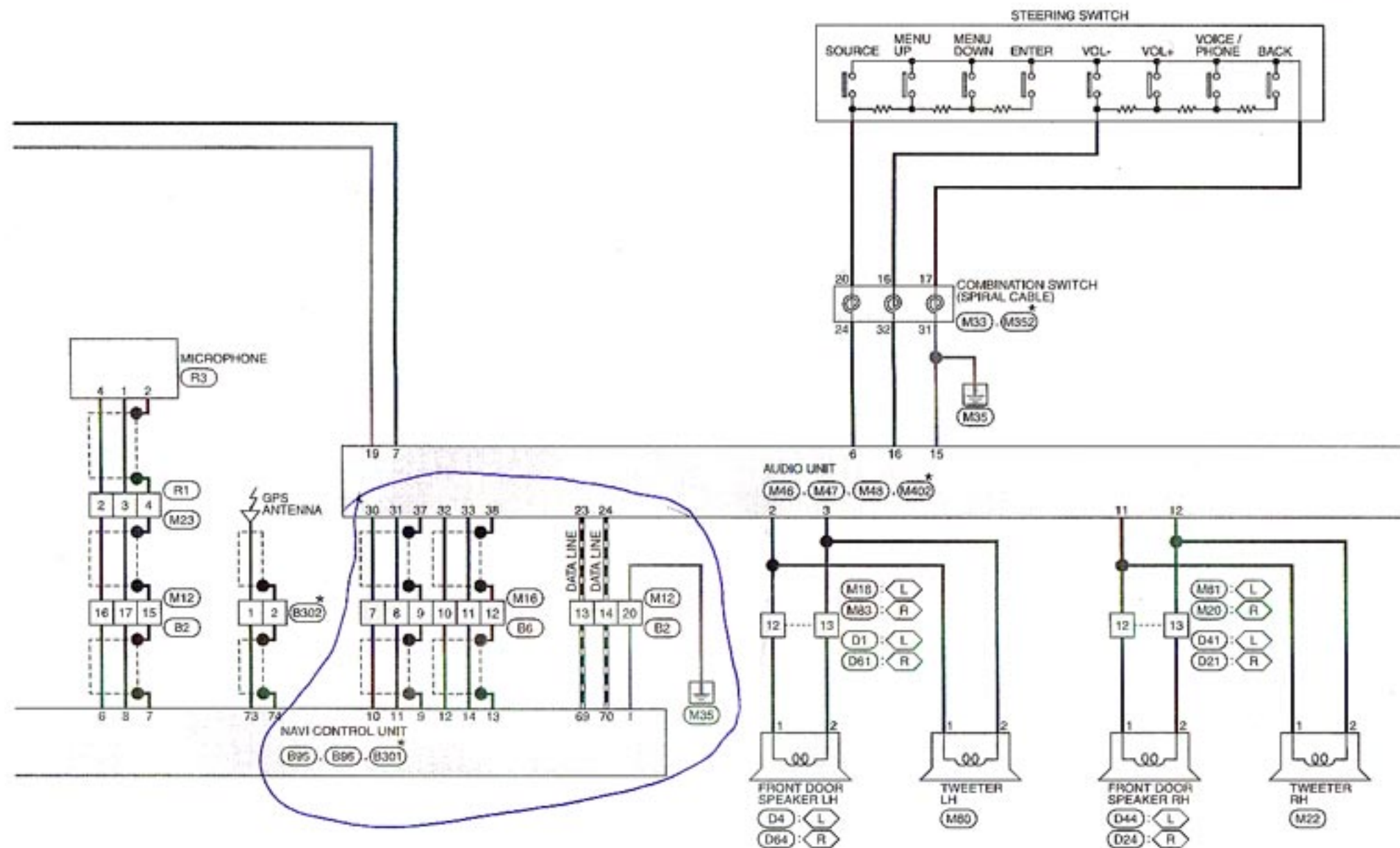
Handwritten annotations include a blue circle around the top left components, another blue circle around the Display Unit and its connections, and a large blue circle around the Data Link Connector, Combination Meter, and Parking Brake Switch. A handwritten "P" and "many" are also visible on the left side.

шпифа
сравнени

L : LHD models

R : RHD models

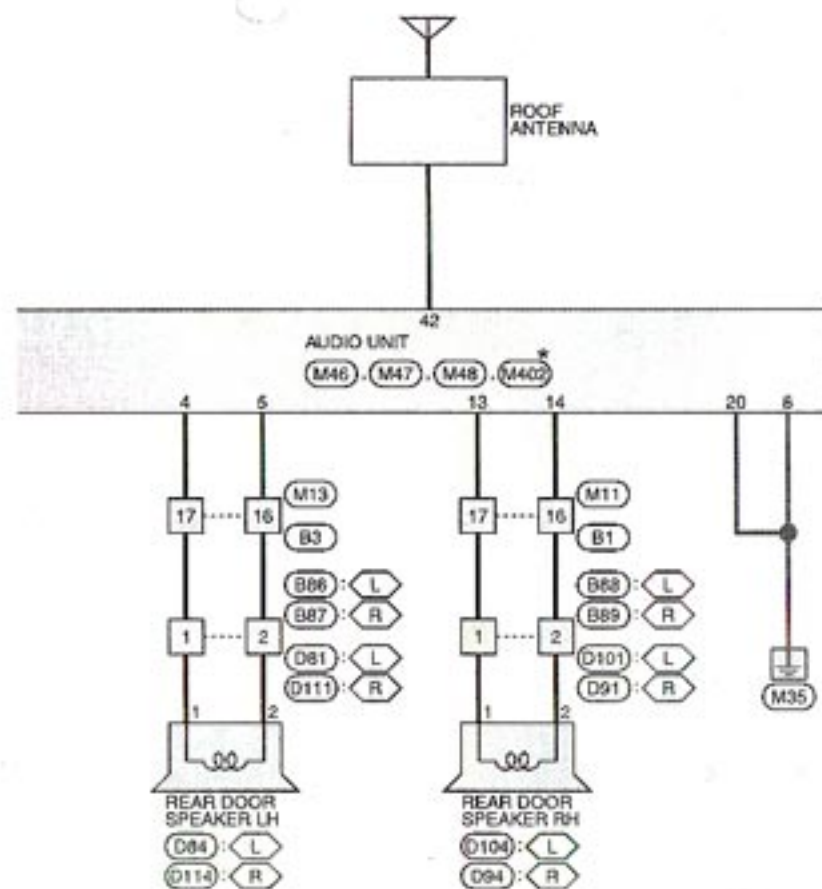
* : This connector is not shown in "Harness Layout".



L : LHD models

R : RHD models

* : This connector is not shown in "Harness Layout".



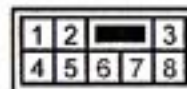
AUDIO WITH NAVIGATION SYSTEM

Connector No.	B74
Connector Name	REAR VIEW CAMERA
Connector Type	TH04MW



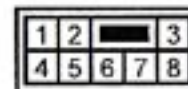
Terminal No.	Color of Wire	Signal Name (Specification)
1	V	CAMERA ON SIGNAL
2	B	GND
3	W	CAMERA IMAGE SIGNAL
4	SHIELD	SHIELD

Connector No.	B88
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



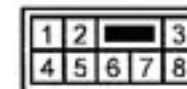
Terminal No.	Color of Wire	Signal Name (Specification)
1	LG	-
2	Y	-

Connector No.	B87
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



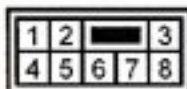
Terminal No.	Color of Wire	Signal Name (Specification)
1	LG	-
2	Y	-

Connector No.	B88
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name (Specification)
1	D	-
2	V	-

Connector No.	B89
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name (Specification)
1	O	-
2	V	-

Connector No.	B95
Connector Name	NAVI CONTROL UNIT
Connector Type	TH49FW

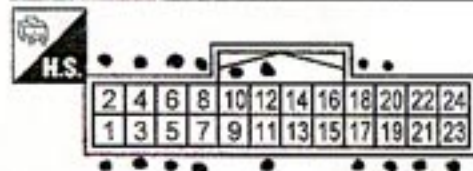


Terminal No.	Color of Wire	Signal Name (Specification)
1	B	GND
2	LG	BATTERY
5	R	ACC
6	B	MICROPHONE VCC
7	SHIELD	MICROPHONE GND
8	W	MICROPHONE SIGNAL
9	SHIELD	SHIELD
10	W	TEL VOICE SIGNAL (+)
11	D	TEL VOICE SIGNAL (-)
12	O	VOICE GUIDANCE SIGNAL (+)
13	SHIELD	SHIELD

14	W	VOICE GUIDANCE SIGNAL (-)
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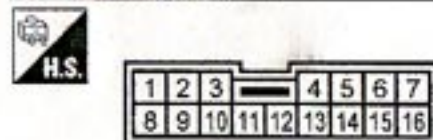
AUDIO WITH NAVIGATION SYSTEM

Connector No.	M49
Connector Name	DISPLAY UNIT
Connector Type	THQ4FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RGB (R-RED) SIGNAL
2	G	RGB AREA (YS) SIGNAL
3	R	RGB (G-GREEN) SIGNAL
4	R	HP
5	W	RGB (B-BLUE) SIGNAL
6	W	VP
7	B	RGB SYNC
8	B	RGB GND
10	SHIELD	SHIELD
11	R	CAMERA IMAGE SIGNAL
12	SHIELD	SHIELD

Connector No.	M81
Connector Name	WIRE TO WIRE
Connector Type	TK16MW



Terminal No.	Color of Wire	Signal Name [Specification]
12	BR	-
13	P	-

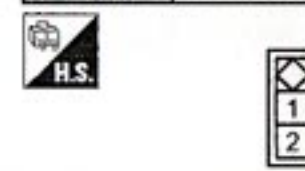
17	O	COMM (DISP→CONT)
18	SHIELD	SHIELD
19	W	COMM (CONT→DISP)
20	R	AOC
21	LG	BATTERY
23	B	GND

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-N518-TM4



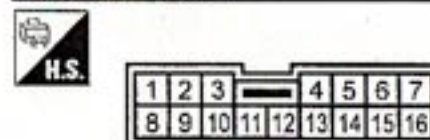
Terminal No.	Color of Wire	Signal Name [Specification]
78	LG	-

Connector No.	M80
Connector Name	TWEETER LH
Connector Type	FCI 211PC02359017



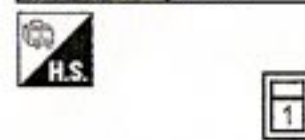
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-

Connector No.	M83
Connector Name	WIRE TO WIRE
Connector Type	TK16MW



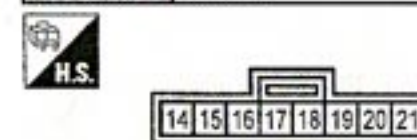
Terminal No.	Color of Wire	Signal Name [Specification]
12	L	-
13	G	-

Connector No.	M103
Connector Name	PARKING BRAKE SWITCH
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-

Connector No.	M132
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08MDY-X



Terminal No.	Color of Wire	Signal Name [Specification]
15	-	-
17	-	-
20	-	-

AUDIO WITH NAVIGATION SYSTEM

Connector No.	B94
Connector Name	NAVI CONTROL UNIT
Connector Type	TH32FW



42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71

Terminal No.	Color of Wire	Signal Name [Specification]
44	G	RGB (RED) SIGNAL
45	R	RGB (GREEN) SIGNAL
46	W	RGB (BLUE) SIGNAL
47	B	RGB GND
48	B	RGB SYNC
49	SHIELD	SHIELD
50	G	RGB AREA (YS) SIGNAL
51	R	HP
52	W	VP
53	W	COMM (CONT→DISP)
54	O	COMM (DISP→CONT)

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TK16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
12	L	-
13	G	-

55	SHIELD	SHIELD
61	R/L	ILLUMINATION
63	W	IGNITION
64	V	PARKING BRAKE
65	Y/O	REVERSE SIGNAL
66	Y	VEHICLE SPEED (8-PULSE)
67	Y	CONNECTION RECOGNITION
69	L	AV COMM (H)
70	P	AV COMM (L)
71	L	CAN-H
72	P	CAN-L



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-

Connector No.	B301
Connector Name	NAVI CONTROL UNIT
Connector Type	GT55-PP-HU



73	74
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Terminal No.	Color of Wire	Signal Name [Specification]
73	-	GPS ANTENNA
74	SHIELD	SHIELD



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

Terminal No.	Color of Wire	Signal Name [Specification]
12	BR	-
13	P	-

Connector No.	B302
Connector Name	GPS ANTENNA
Connector Type	GT55-PP-HU



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-



2	1
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	P	-

AUDIO WITH NAVIGATION SYSTEM

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



3	2	1
8	7	6
5	4	

Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

Connector No.	D104
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

Connector No.	D111
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



3	2	1
8	7	6
5	4	

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	D114
Connector Name	REAR DOOR SPEAKER LH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-1V



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
21	R/B	-

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
3	Y/R	-

Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS



13	12	11	10	9
20	19	18	17	16
15	14			

Terminal No.	Color of Wire	Signal Name [Specification]
14	R/B	-
16	Y/R	-

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-

AUDIO WITH NAVIGATION SYSTEM

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-NS16-TM4



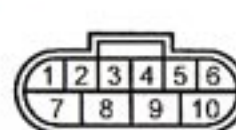
Terminal No.	Color of Wire	Signal Name [Specification]
18	LG	-

Connector No.	F21
Connector Name	PARK/NEUTRAL POSITION SWITCH
Connector Type	RK08FG



Terminal No.	Color of Wire	Signal Name [Specification]
5	Y/R	-
8	Y/G	-

Connector No.	F22
Connector Name	PARK/NEUTRAL POSITION SWITCH
Connector Type	YD06FB-HS4



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y/R	VIGN
9	Y/G	R RANGE SWITCH

Connector No.	F48
Connector Name	PARK/NEUTRAL POSITION SWITCH
Connector Type	FEA33FG



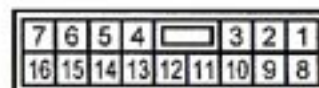
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
2	R/B	-

Connector No.	F51
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
2	R/B	-

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-GS



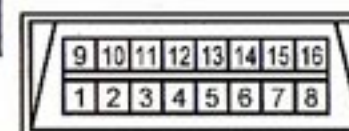
Terminal No.	Color of Wire	Signal Name [Specification]
3	Y/R	-

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK34FW-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
21	R/B	-

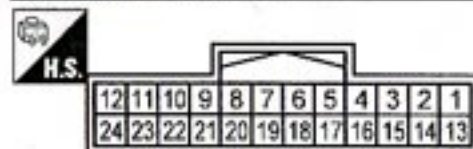
Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
7	O	-
14	P	-

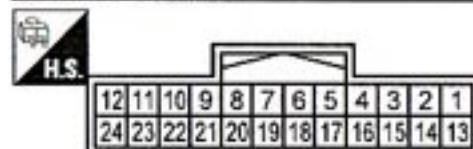
AUDIO WITH NAVIGATION SYSTEM

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



Terminal No.	Color of Wire	Signal Name [Specification]
11	Y	-
12	R	-
13	LG	-
16	V	-
17	O	-
18	W	-
19	SHIELD	-
23	Y	-

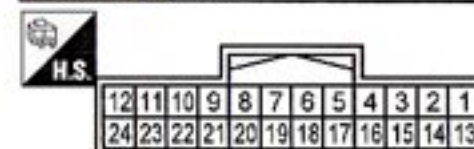
Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	R	-
4	W	-
5	SHIELD	-
6	B	-
7	G	-
8	R	-
9	W	-
10	SHIELD	-
11	W	-

12	O	-
13	L	-
14	P	-
15	SHIELD	-
16	W	-
17	B	-
18	L	-
19	P	-
20	B	-
22	Y	-
23	Y	-
24	SHIELD	-

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



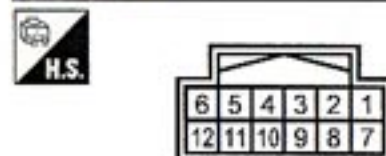
Terminal No.	Color of Wire	Signal Name [Specification]
16	Y	-
17	LG	-

Connector No.	M15
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



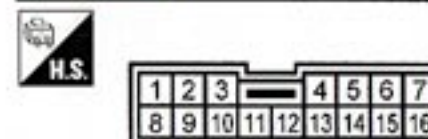
Terminal No.	Color of Wire	Signal Name [Specification]
5	O	-

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH12FW



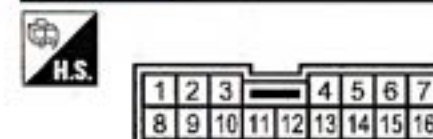
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
4	O	-
5	V	-
6	Y	-
7	W	-
8	O	-
9	SHIELD	-
10	O	-
11	W	-
12	SHIELD	-

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TK16MW



Terminal No.	Color of Wire	Signal Name [Specification]
12	L	-
13	G	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TK16MW



Terminal No.	Color of Wire	Signal Name [Specification]
12	BR	-
13	P	-

AUDIO WITH NAVIGATION SYSTEM

Connector No.	M22
Connector Name	TWEETER RH
Connector Type	FCI 211PC02259917



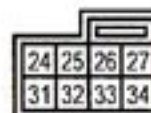
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	P	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



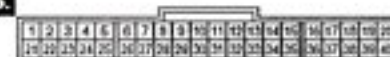
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	B	-
4	SHIELD	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FDY-IV



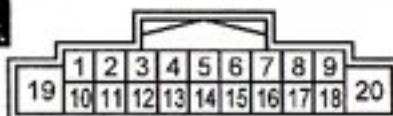
Terminal No.	Color of Wire	Signal Name [Specification]
24	R	-
31	B	-
32	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
21	L	CAN-H
22	P	CAN-L
31	Y	VEHICLE SPEED (8-PULSE)

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	G	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	Y	SOUND SIGNAL REAR RH (-)
6	R	STRG SW A
7	R	ACC
8	B	GND
11	BR	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	O	SOUND SIGNAL REAR RH (+)
14	V	SOUND SIGNAL REAR RH (-)

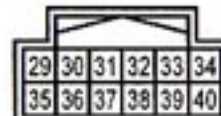
15	B	STRG SW GND
16	Y	STRG SW B
19	LG	BATTERY
20	B	GND

Connector No.	M47
Connector Name	AUDIO UNIT
Connector Type	TH08FW



Terminal No.	Color of Wire	Signal Name [Specification]
23	L	AV COMM (H)
24	P	AV COMM (L)

Connector No.	M48
Connector Name	AUDIO UNIT
Connector Type	TH12FW



Terminal No.	Color of Wire	Signal Name [Specification]
30	W	TEL VOICE SIGNAL (+)
31	O	TEL VOICE SIGNAL (-) [With navigation system]
32	O	VOICE GUIDANCE (+)
33	W	VOICE GUIDANCE (-)
37	SHIELD	SHIELD [With navigation system]
38	SHIELD	SHIELD

AUDIO WITH NAVIGATION SYSTEM

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TK16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
12	BR	-
13	P	-

Connector No.	D44
Connector Name	FRONT DOOR SPEAKER RH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	P	-

Connector No.	D61
Connector Name	WIRE TO WIRE
Connector Type	TK16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
12	L	-
13	G	-

Connector No.	D64
Connector Name	FRONT DOOR SPEAKER LH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-

Connector No.	D61
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS



3		2	1	
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	D64
Connector Name	REAR DOOR SPEAKER LH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	D61
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS



3		2	1	
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

Connector No.	D64
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS02FW-CS



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

AUDIO WITH NAVIGATION SYSTEM

Connector No.	M402
Connector Name	AUDIO UNIT
Connector Type	GT13 SH-2 SIS-HU



Terminal No.	Color of Wire	Signal Name [Specification]
42	-	ANTENNA

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS8



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
3	W	-
4	SHIELD	-

Connector No.	R3
Connector Name	MICROPHONE
Connector Type	TX04PW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	MICROPHONE SIGNAL
2	SHIELD	MICROPHONE GND
4	B	MICROPHONE VCC

AUDIO WITH NAVIGATION SYSTEM

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH24MW



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

Terminal No.	Color of Wire	Signal Name [Specification]
11	Y/G	-
12	R	-
13	LG	-
16	V	-
17	O	-
18	R	-
19	SHIELD	-
23	Y	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH24MW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	R	-
4	W	-
5	SHIELD	-
6	B	-
7	G	-
8	R	-
9	W	-
10	SHIELD	-
11	W	-

12	O	-
13	L	-
14	P	-
15	SHIELD	-
16	B	-
17	W	-
18	L	-
19	P	-
20	B	-
22	Y/G	-
23	Y	-
24	SHIELD	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH24MW



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

Terminal No.	Color of Wire	Signal Name [Specification]
16	Y	-
17	LG	-

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



1	2	3
4	5	6
7	8	

Terminal No.	Color of Wire	Signal Name [Specification]
5	O	-

Connector No.	B6
Connector Name	WIRE TO WIRE
Connector Type	TH12MW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
4	W	-
5	V	-
6	Y	-
7	W	-
8	O	-
9	SHIELD	-
10	O	-
11	W	-
12	SHIELD	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS8



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-

Connector No.	B60
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	BATTERY
2	R	ACC
3	B	GND
4	Y/G	REVERSE SIGNAL
5	Y	CONNECTION RECOGNITION
6	O	DDL
8	V	CAMERA ON SIGNAL
9	SHIELD	SHIELD
10	W	CAMERA IMAGE SIGNAL
11	SHIELD	SHIELD
12	R	CAMERA IMAGE SIGNAL