

3<sup>rd</sup> Gen Prius JBL 7022 Radio (JBL w/Nav)

**Model: 86120-47390**

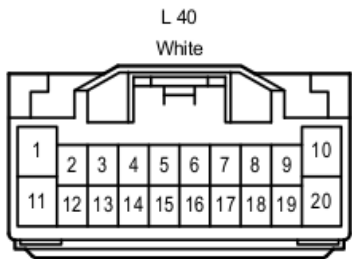
**Front of Radio**



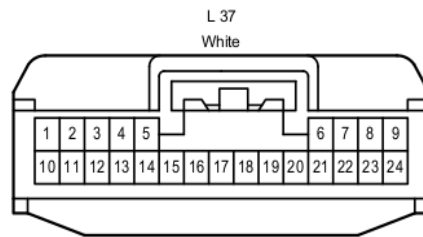
# Rear of Radio



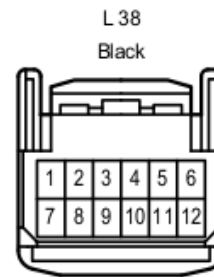
L40	
1	
2	
3	
4	
5	ATX+
6	
7	MUTE
8	R+ - Audio Right+
9	L+ - Audio Left+
10	SLD – Audio Shield
11	
12	
13	ANT – Antenna
14	
15	ATX-
16	
17	
18	R- - Audio Right-
19	L- - Audio Left-
20	GND



L37	
1	Microphone MACC – Exc. Korea
2	CANH
3	CANL
4	
5	Microphone SNS2
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	Microphone MACC – Korea
18	Microphone Shield GND
19	Microphone MIN+
20	Microphone MIN-
21	CGND - Camera Shield
22	V+ - Camera Video +
23	V- Camera Video -
24	CA+ - Camera +12V



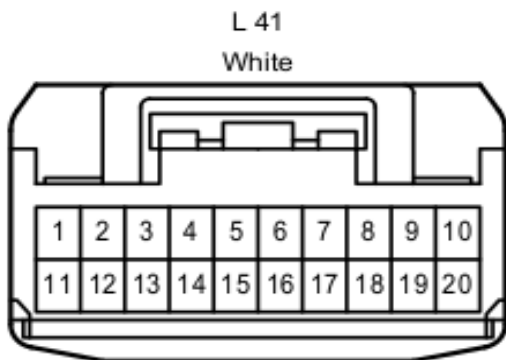
L38	
1	CSLD – Shield
2	CDR+ - Front Right+
3	CDR- - Front Right-
4	CDL+ - Front Left+
5	CDL- - Front Left-
6	MUTE
7	
8	
9	TXM+
10	TXM-
11	
12	



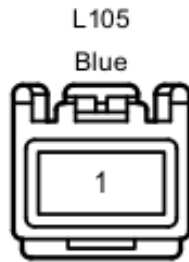
L39	
1	
2	TXO+
3	TXI+
4	
5	TXO-
6	TXI-



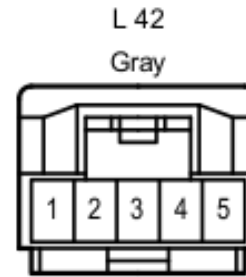
L41	
1	
2	
3	
4	
5	
6	SWG - Steering Pad Switch GND – Korea
7	SW1 – Steering Pad Switch 1
8	SW2 – Steering Pad Switch 2
9	
10	
11	IVO+
12	IVO-
13	SLD – Shield
14	
15	ARI – Jack Right
16	ASGN – Jack Signal GND
17	ALI – Jack Left
18	AGND – Jack Shield
19	AUXI – Jack AUX In
20	



L105 – Front camera	
1	GVIF

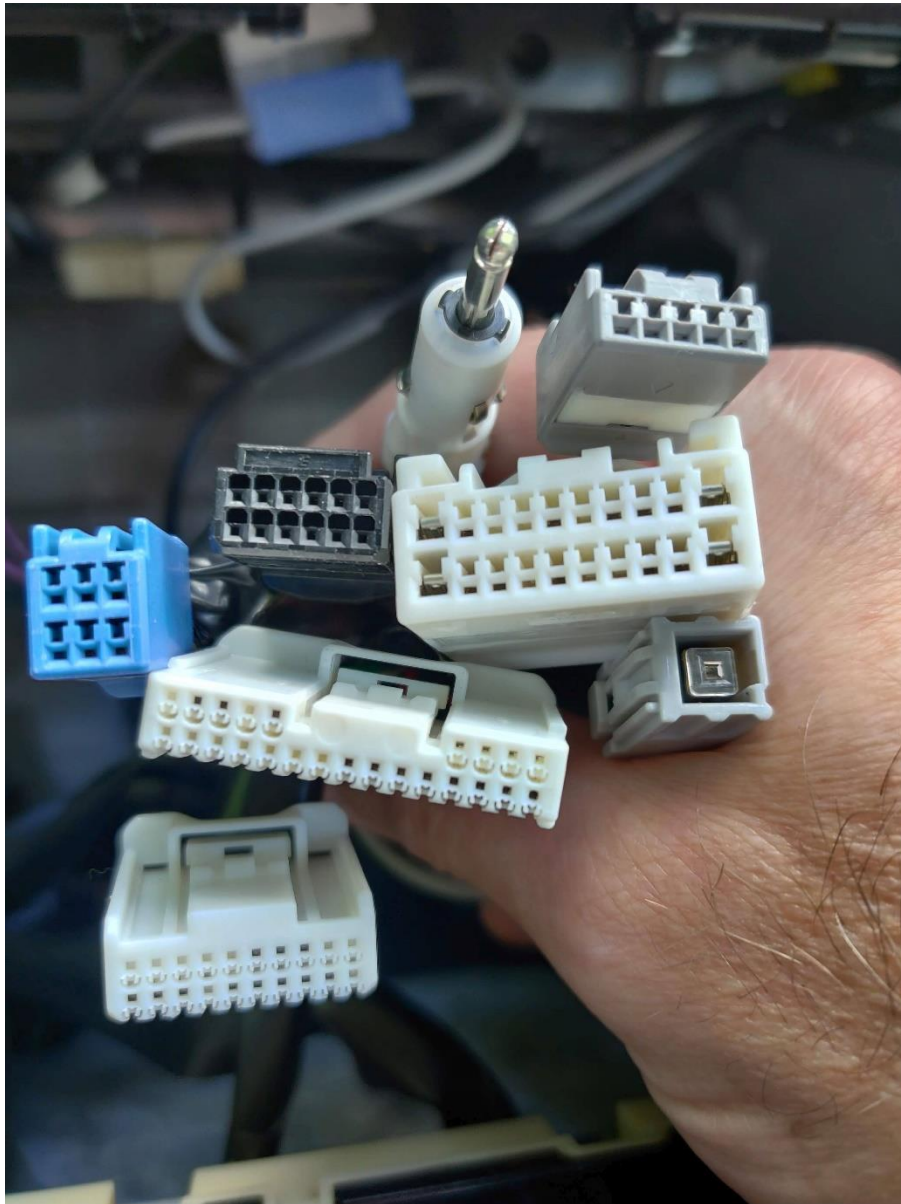


L42	
1	PKB – Parking Brake
2	IG – 12V Ignition
3	SPD – Speed
4	
5	REV – Reverse



L45 – Microphone	
1	Microphone SNS2
2	Microphone MIN+
3	Microphone MACC
4	
5	Microphone MIN-
6	Microphone Shield GND
7	
8	





2011 Prius Car Harness Connectors to  
Factory Radio (JBL w/Nav, no parking  
assist)

## Partial Breakout of connectors (with some wire color information)

[number][circuit]=[color]

Example = connector L37 position 2 is the CANH circuit and green, position 3 is CANL and white, and so on.

```
? L36 90980-10859 2.3 II m antenna amp
A L37 90980-12404 0.64 II f
  2CANH=G 3CANL=W
  5SNS2=B 18SGND(nxt 3) 17MACC=R 19MIN+=B 20MIN-=W (mic)
  21CGND(nxt 3) 22V+=R 23V-=B 24CA+=W (camera)
B L38 \__ component      90980-12552
C L39 /__ tuner          90980-12012
D L40 90980-12038 1.0 III f / 2.3 II f
  1B=SB 2ILL+=G 11ACC=GR 12ILL-=W-B 13ANT=BE 20GND=BR
  5ATX+=G 15ATX-=R 10SLD(nxt 4) 8R+=G 18R-=B 9L+=R 19L-=W 7MUTE=B
E L41 90980-12460 0.64 II f
  7SW1=R 8SW2=G (steering switches)
  11IVO+=Y 12IVO-=BR 13SLD(prv 2)
  15ARI=B 16ASGN=W 17ALI=R 18AGND(prv 3) 19AUXI=W
  9TX1+=LG 10TX1-=P (parking assist ECU?)
F L42 90980-11909 1.0 III f
  1PKB=R 2IG=B 3SPD=V 5REV=P
G L45 90980-12551
```

From: <https://priuschat.com/threads/2010-jbl-navigation-e7022-wiring-diagram-to-test-power.227377/#post-3198127>