ICE

IN-CAR ENTERTAINMENT SYSTEM

TROUBLESHOOTING GUIDE



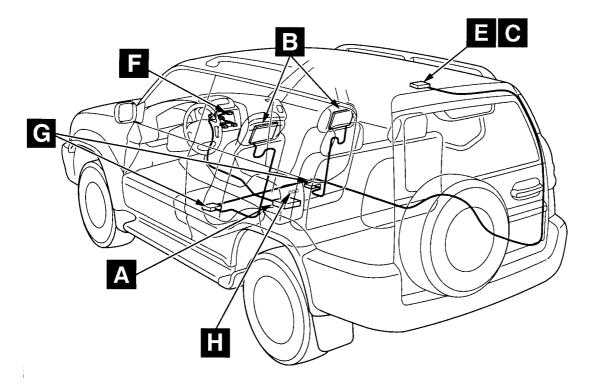
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PROBLEM SITUATION OVERVIEW: LC120

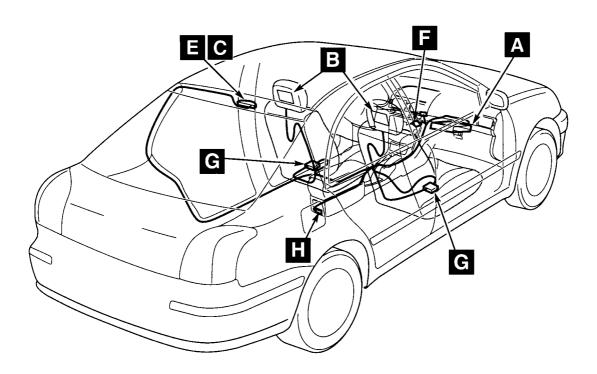




- A: DVD
- **B: SCREENS**
- C: TRANSMITTER ECU
- E: TRANSMITTER LEDS
- F: POWER PICK UP
- G: SCREEN CONTROL BOX
- H: AUX INPUT

PROBLEM SITUATION OVERVIEW: AVENSIS



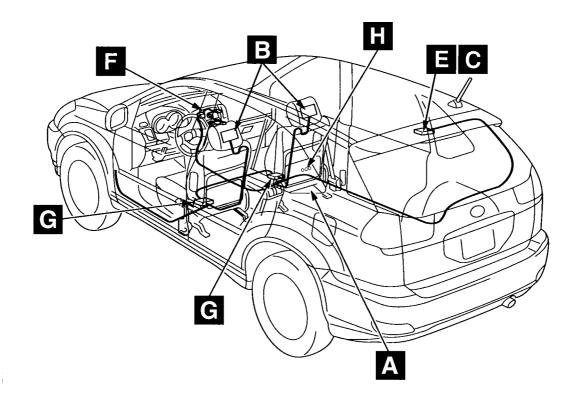


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Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.

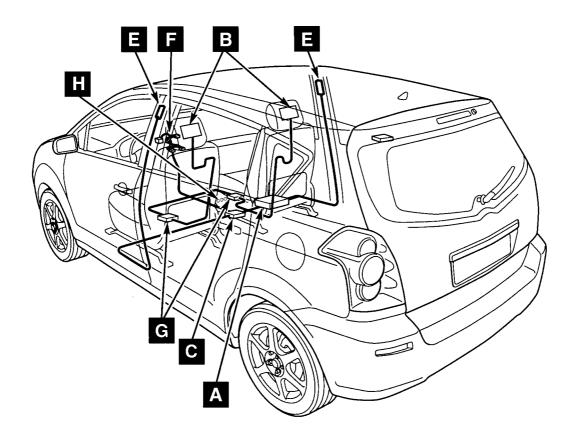
PROBLEM SITUATION OVERVIEW: RX300





PROBLEM SITUATION OVERVIEW: COROLLA VERSO

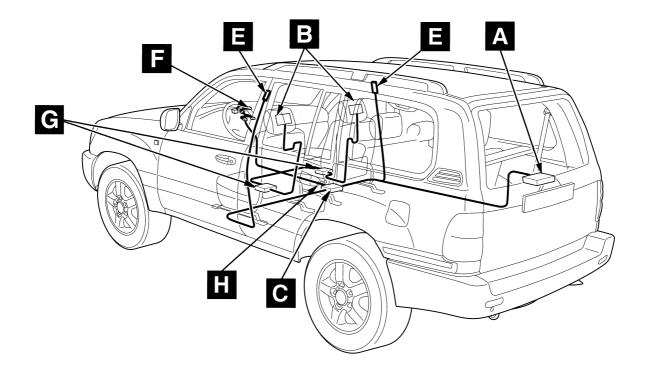




Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.

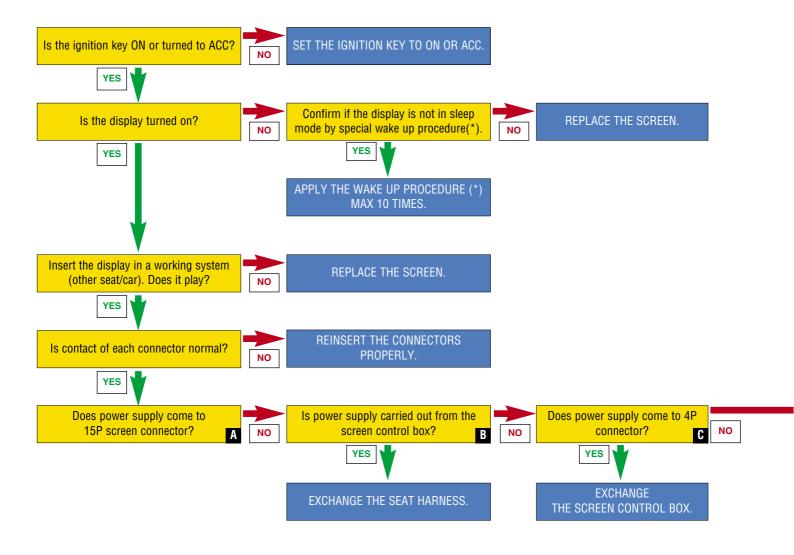
PROBLEM SITUATION OVERVIEW: LC100





PROBLEM 1: DISPLAY CANNOT BE TURNED ON





(*) IMPORTANT

After a storage period, the monitor may go into "sleep" mode. To reactivate the monitor, please complete the following actions:

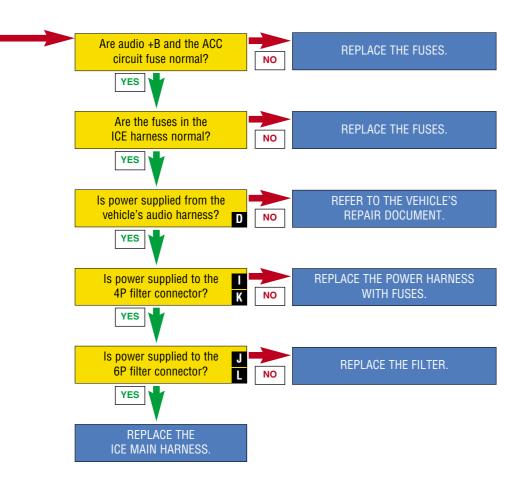
Switch the monitor on using the POWER-ON button.

Wait 5 seconds.

Switch off by pressing the same button and holding it for 5-6 seconds.

Repeat until the monitor activates.

Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.



Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.

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PROBLEM 2: HEADPHONE CANNOT BE TURNED ON (RED LIGHT ON HEADPHONE)

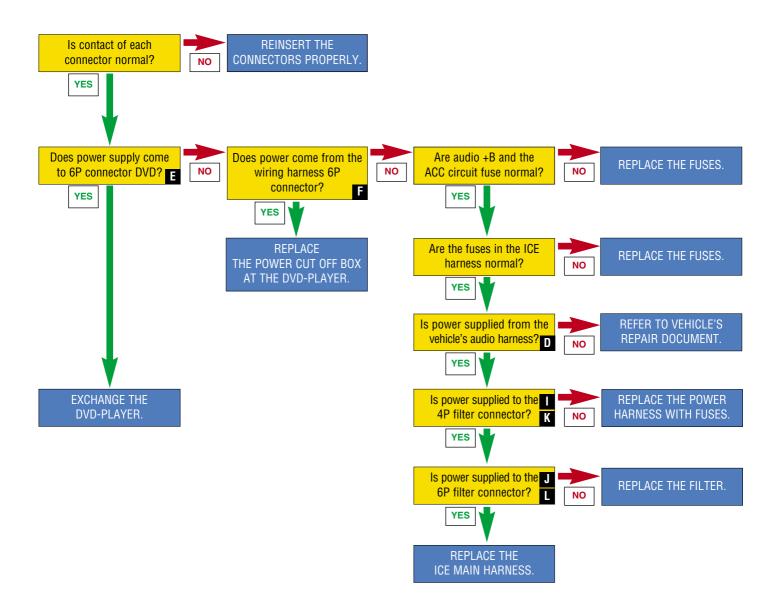




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PROBLEM 3: DVD-PLAYER CANNOT BE TURNED ON



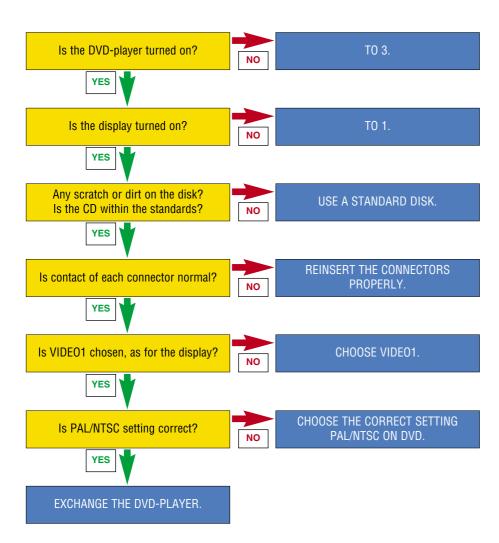


Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.

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PROBLEM 4: IMAGE OF THE DVD DOES NOT COME OUT



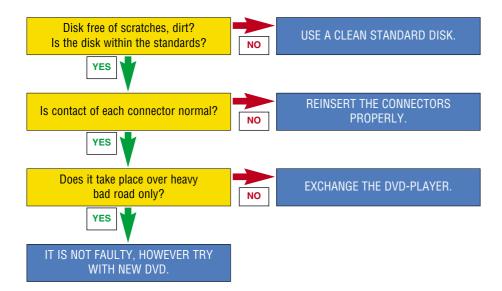


PROBLEM 5: NO SOUND FROM THE HEADPHONE Is the headphone turned on? TO 2. NO **YES** Is the headphone volume ADJUST THE VOLUME. suitable? NO YES SWITCH BETWEEN Is the correct channel CHANNEL A-B. chosen? NO YES Are the sound settings of the CORRECT REFERRING TO DVD in the settings menu OK? **DVD MANUAL:** NO PREFERENCES SECTION. YES Disk free of any scratches, dirt? **USE A CLEAN STANDARD** Is the disk within the standards? DISK. NO Are audio +B and the ACC YES REPLACE THE FUSES. NO circuit fuse normal? NO Is the area between the YES ELIMINATE OBSTACLES. display and headphone clear NO from any obstacle? Are the fuses in the ICE REPLACE THE FUSES. YES harness normal? NO YES **REINSERT THE** Is contact of each connector normal? CONNECTORS PROPERLY. NO Is power supplied from REFER TO THE VEHICLE'S YES vehicle's audio harness? REPAIR DOCUMENT. NO YES Are the transmitter LED's Does power come from the emmitting red light? NO wiring harness 4P Is power supplied to the REPLACE THE POWER YES connector? 4P filter connector? HARNESS WITH FUSES. NO (Corolla Verso, LC100) G YES 2P connector? (Avensis, LC120, RX) Is power supplied to the REPLACE THE FILTER. YES 6P filter connector? NO YES REPLACE THE ICE MAIN HARNESS REPLACE THE IR TRANSMITTER (AVENSIS, LC120, RX). Does power come to the 4P connector of the remote REPLACE THE IR LED? (Corolla Verso, LC100) TRANSMITTER MAIN BOX. NO YES **EXCHANGE THE** REPLACE THE REMOTE Note: For the voltage check of *A-*L, please see HEADPHONE. LED'S. connector assignment table on pages 17 & 18.

PROBLEM 6: SOUND CONFUSES AND/OR STOPS Are all 8 LED'S lit? REPLACE THE TRANSMITTER ECU. NO YES Disk free of scratches, dirt? USE A CLEAN STANDARD DISK. Is the disk within the standards? NO YES Is the battery-remaining-quantity EXCHANGE THE BATTERY. of a headphone sufficient? NO YES Does problem remain with new EXCHANGE THE HEADPHONE. headphone? NO YES Does problem remain with new EXCHANGE THE TRANSMITTER ECU. transmitter ECU? NO YES Is the installation of the DVD-player INSTALL IN THE CORRECT WAY. correct? NO YES REINSERT THE CONNECTORS Is contact of each connector normal? **PROPERLY** NO YES YES USE IN A SUITABLE DISTANCE. Is the distance between the headphone Is the picture also troubled or interrupted? and transmitter less than 5m? REMAIN INSIDE THE CAR. NO NO YES YES Is the area between the display and ELIMINATE THE OBSTACLES. headphone free of any obstacles? NO YES Is the window open and is there REPLACE THE HEADPHONE. direct sunshine on the headphone? NO YES CLOSE THE WINDOW, IN CERTAIN ENVIRONMENTAL CONDITIONS (MORNING, EVENING) SUNLIGHT CAN HAVE HIGH QUANTITY OF IR LIGHT THAT MIGHT INTERFERE WITH THE SYSTEM IF IT HAS DIRECT VIEW ON THE HEADPHONE IR AREA. Does it take place over heavy EXCHANGE THE DVD-PLAYER. bad road only? NO **YES** IT IS NOT FAULTY. Note: For the voltage check of *A-*L, please see connector assignment table on pages 17 & 18.

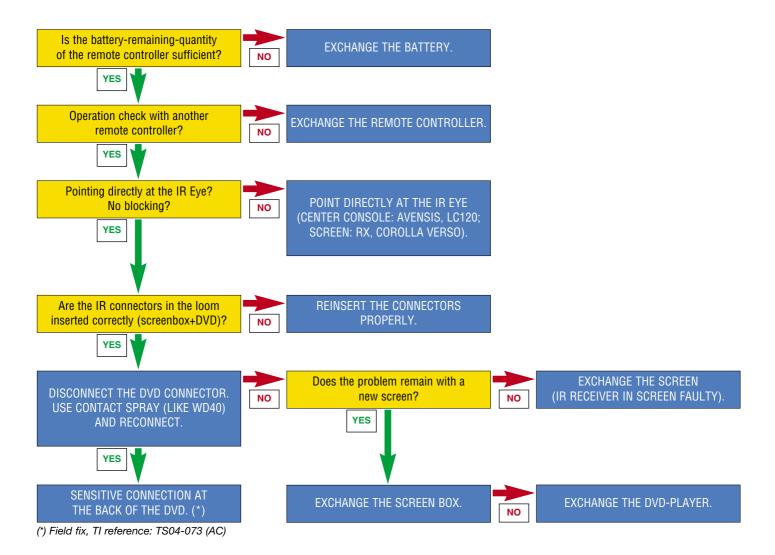
PROBLEM 7: PICTURE CONFUSES AND/OR STOPS





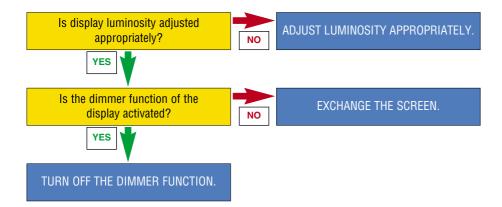
PROBLEM 8: OPERATION OF THE DVD CANNOT BE PERFORMED





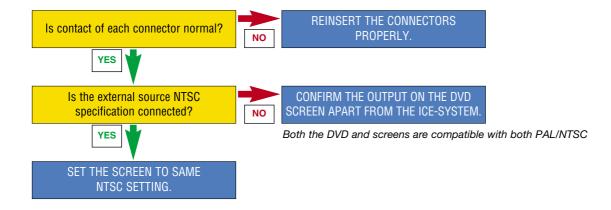
PROBLEM 9: SCREEN IS TOO BRIGHT/TOO DARK





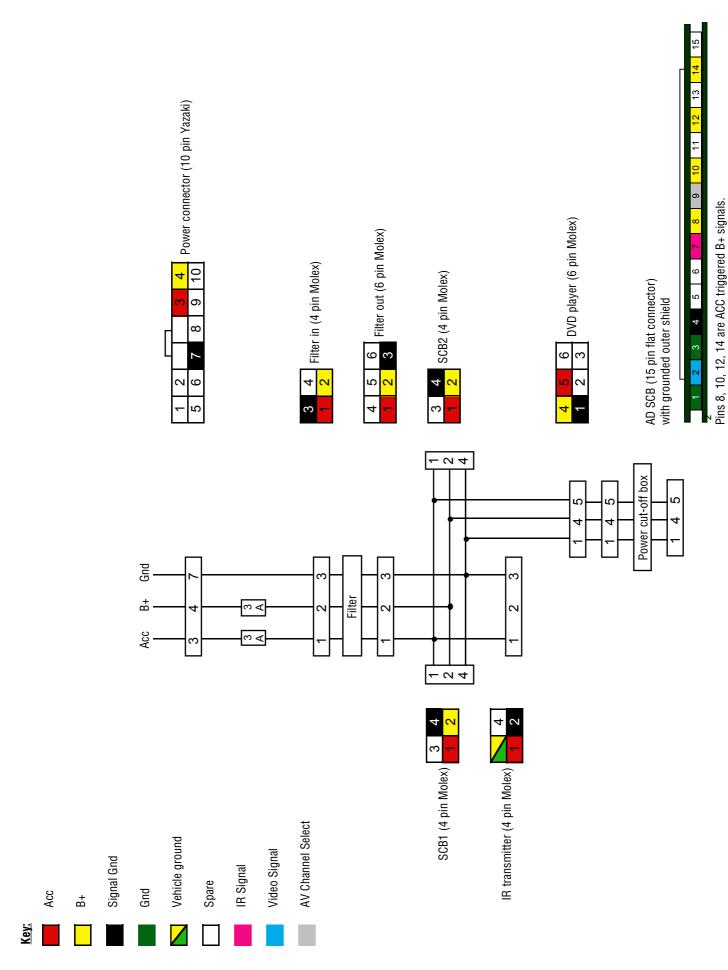
PROBLEM 10: SCREEN OF EXTERNAL SOURCE IS TROUBLED





COROLLA VERSO ICE DVD WIRING SCHEME





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CONNECTOR ASSIGNMENT TABLES



Check each connector supply voltage (Connector side view of the wire harness)
Set the ignition key to ON or ACC, and confirm that the voltage of +B/ACC is 11-16V to GND.

*A DISPLAY 15 PIN

*B SCREEN CONTROL BOX 15 PIN

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

1 2	3 4 5 6	7 8 9 10 11 12 13 14 15
PIN No	ASSIGN	HARNESS COLOUR
1	GND	GREEN
2	VIDEO	LIGHT BLUE
3	GND	GREEN
4	Signal GND	BLACK
5	NC	
6	NC	
7	IR	PINK
8	B+	YELLOW
9	NC	
10	B+	YELLOW
11	NC	
12	B+	YELLOW
13	NC	
14	B+	YELLOW
15	NC	

	1	
PIN No	ASSIGN	HARNESS COLOUR
1	GND	GREEN
2	VIDEO	LIGHT BLUE
3	GND	GREEN
4	Signal GND	BLACK
5	NC	
6	NC	
7	IR	PINK
8	B+	YELLOW
9	NC	
10	B+	YELLOW
11	NC	
12	B+	YELLOW
13	NC	
14	B+	YELLOW
15	NC	

***C SCREEN CONTROL BOX 4 PIN**

*D VEHICLE 10 PIN



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	+B	YELLOW
3	NC	
4	GND	BLACK

PIN No	ASSIGN	HARNESS COLOUR
1	NC	
2	NC	
3	ACC	RED
4	+B	YELLOW
5	NC	
6	NC	
7	GND	BLACK
8	NC	
9	NC	
10	NC	

IN-CAR ENTERTAINMENT SYSTEM

*E 6 PIN - IN DVD / OUT BOX

4	5	6
1	2	3

PIN No	ASSIGN	HARNESS COLOUR
1	GND	BLACK
2	NC	
3	NC	
4	+B	YELLOW
5	ACC	RED
6	NC	

*G IR TRANSMITTER 4 PIN



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	GND	BLACK
3	VEH GND	BLACK
4	NC	

*F 6 PIN - OUT WIRE HARNESS / IN BOX

4	5	6
1	2	3

PIN No	ASSIGN	HARNESS COLOUR
1	GND	BLACK
2	NC	
3	NC	
4	+B	YELLOW
5	ACC	RED
6	NC	

*H IR TRANSMITTER 2 PIN



	PIN No	ASSIGN	HARNESS COLOUR
Γ	1	GND	BLACK
Γ	2	ACC	RED

DOUBLE FILTER

*I FILTER IN



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	+B	YELLOW
3	GND	BLACK
4	NC	

*J FILTER OUT



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	+B	YELLOW
3	GND	BLACK
4	NC	
5	NC	
6	NC	

SINGLE FILTER

*K FILTER IN



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	+B	YELLOW
3	GND	BLACK
4	NC	

*L FILTER OUT



PIN No	ASSIGN	HARNESS COLOUR
1	ACC	RED
2	+B	YELLOW
3	GND	NC
4	NC	BLACK

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