## FOREWORD [ENTIRE AUDIO SYSTEM]

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• If there is any vehicle malfunction complaint lodged by a customer, perform malfunction diagnosis according to the troubleshooting procedure.

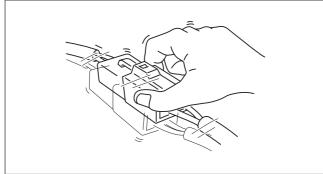
**Troubleshooting Procedure** MAI FUNCTIONING **VEHICLE ARRIVES** ACCURATELY VERIFY CUSTOMER COMPLAINT VERIEV REPAIR ORDER AND SYMPTOM IN REPAIR ORDER FORM. BROWSE TECHNICAL INFORMATION AND SEARCH VERIFY SERVICE INFORMATION. SERVICE INFORMATION. DOES ANY SERVICE VERIFY MALFUNCTION USING MALFUNCTION YES INFORMATION MATCH VERIFICATION PROCEDURE IN SERVICE INFORMATION, AND REPAIR ACCORDING TO SERVICE INFORMATION. SYMPTOM AND CAUSE? Ų NO DOES NO SEE ACTION FOR NON-REPEATABLE MALFUNCTION. MALFUNCTION RECUR? YES VERIFY MALFUNCTION SYMPTOM. VERIFY MALFUNCTION SYMPTOM ON ACTUAL VEHICLE. SEE "CAN MALFUNCTION DIAGNOSIS FLOW"\*1 AND PERFORM PERFORM CAN MALFUNCTION DIAGNOSIS. DIAGNOSIS FOR CAN RELATED MALFUNCTION. PERFORM DTC INSPECTION. YES SEE ON-BOARD DIAGNOSIS SYSTEM AND PERFORM ARE ANY DTCs DTC TROUBLESHOOTING. **OUTPUT?** NO USE M-MDS DATA MONITOR FUNCTION TO PERFORM PID/DATA MONITOR INSPECTION WHILE MONITORING INPUT/OUTPUT **INSPECTION** SIGNALS. **SYMPTOM** USE M-MDS SIMULATION FUNCTION TO INSPECT FOR **TROUBLESHOOTING ACTIVE COMMAND** INCOMPLETE ELECTRICAL CIRCUIT OR VALVE STICKING MODES INSPECTION WHILE OPERATING EACH OUTPUT PART WITH THE IGNITION USE THE FUNCTIONS ON THE SWITCHED ON. RIGHT TO PERFORM DIAGNOSIS EFFICIENTLY. THE AUDIO SYSTEM RELATED PARTS ARE FORCIBLY DIAGNOSTIC OPERATED USING THE DIAGNOSTIC ASSIST FUNCTION TO **ASSIST FUNCTION** ENABLE VERIFICATION OF THE CONNECTION AND OPERATION STATUS OF THE AUDIO SYSTEM RELATED PARTS. VERIFY MALFUNCTION IS REPAIRED. SERVICE **COMPLETED** 

\*1: CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (L.H.D.)] / CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (R.H.D.)] / CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW

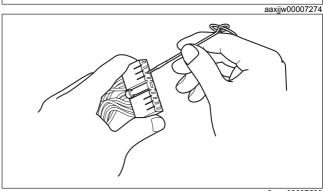
## [SKYACTIV-D 2.2 (L.H.D.)] / CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW [SKYACTIV-D 2.2 (R.H.D.)]

## **Action for Non-repeatable Malfunction**

- If the malfunction does not recur, verify the malfunction cause by performing the following actions:
  - Based on the repair order form, attempt to drive the vehicle or perform tests to replicate the malfunction, record the data at that time, and detect the malfunction cause.
  - Shake the wiring harness or connector of the electrical component which is suspected to be the cause of the malfunction, and inspect for malfunction or occurrence of any DTCs.



 Inspect the female terminals on the connector of the electric component which is suspected to be the cause of the malfunction for poor connection.



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