FOREWORD [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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

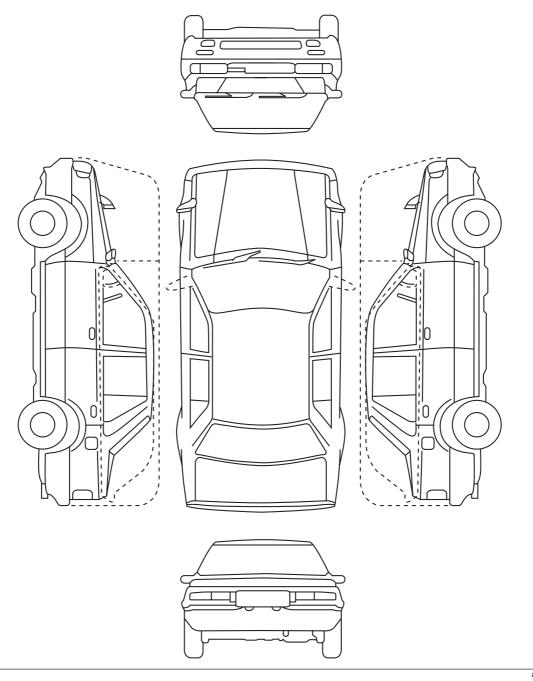
Troubleshooting Procedure MALFUNCTIONING VEHICLE ARRIVES ACCURATELY VERIFY CUSTOMER COMPLAINT VERIEV REPAIR ORDER AND SYMPTOM IN REPAIR ORDER FORM. BROWSE TECHNICAL INFORMATION AND SEARCH VERIFY SERVICE INFORMATION. SERVICE INFORMATION. DOES ANY SERVICE VERIFY MALFUNCTION USING MALFUNCTION YES INFORMATION MATCH VERIFICATION PROCEDURE IN SERVICE INFORMATION. SYMPTOM AND CAUSE? AND REPAIR ACCORDING TO SERVICE INFORMATION. NO DOES NO MALFUNCTION SEE ACTION FOR NON-REPEATABLE 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. INSPECT FOR ANY DTCs USING M-MDS. YES SEE ON-BOARD DIAGNOSIS SYSTEM AND PERFORM ARE ANY DTCs **OUTPUT?** DTC TROUBLESHOOTING. NO USE M-MDS DATA MONITOR FUNCTION TO PID/DATA MONITOR PERFORM INSPECTION WHILE MONITORING INSPECTION INPUT/OUTPUT SIGNALS. SYMPTOM TROUBLESHOOTING USE M-MDS FUNCTIONS ON THE USE M-MDS SIMULATION FUNCTION TO INSPECT RIGHT TO PERFORM DIAGNOSIS ACTIVE COMMAND FOR INCOMPLETE ELECTRICAL CIRCUIT OR EFFICIENTLY. MODES INSPECTION VALVE STICKING WHILE OPERATING EACH OUTPUT PART WITH THE IGNITION SWITCHED ON. 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.)]

Telept illumination? Can anyone replicate problem?)	Registration date: Date of mail unclose countration: Transmission MATHATIES.ATICVT) Transmission MATHATIES.ATICVT Commetter reading Km first	Repair order t	form and mairui	Repair order form and malfunction symptom check sheet	check st		00;4/ctoO	Repai	Repair order	Check	Check with customer	Diagnosis			Нера Іг	Explanation to customer	custome
Fight illumination? Can anyone replicate problem?) Indept illumination? Can anyone replicate problem?) Indept illumination? Can anyone replicate problem? Date of maifunction occurrence: Date occurrenc	Fight illumination? Can aryone replicate problem?					-	n-charge										
Tation date: Date of malfunction occurrence: Transmission (MTHAT/EC-AT/CVT) Transmission (MT		ustomer state	ement (When? V	What? What time	(s)? Wher	e it occurs. W		illumination? (Can anyone rep	olicate problem?)							
Tation date: Position of the continue of th	Transmission (MTHATE-AT/CVT) Transmission (MTHATE-AT/CVT)																
Transmission (MT/HAT/EC-AT/CVT) Mammup condition Driving posture Load Acceleration Opening Op	Marrier position Deving generation Devin	ehicle body n	number:				?egistration	date:			Date of malfunction o	ccurrence:			Odometer readi		dw} u
Driving operation Driving operation Driving posture Load Accelerator Cold Cold Cold Cold Cold Cold Cold Cold	Mammup condition Driving potention Drivi	Engine (SOHC	C/DOHC/RE/DE) (Cab /EGI/ Tur	rbo/ Miller	cycle/ LPG/D	rect injection) uc				Transmissi	on (MT/HA	T/EC-AT/CVT)			
Ware-up condition Driving operation Driving posture Load Copering Shift position Cold Copering Cold Copering Cold	Warm-up condition Driving operation Driv		Environmental con	ditions							Driving con	ditions					Ш
Execution Cold When starting Straighton of dving Exercing this Cold Corner Cold Corner Cold Corner Cold Corner Cold Corner Cold Corner Cor	Helieumend Muser starting Muser st		Ambient temp.	Drive scenario	Grade	Occurrence		farm-up condition	Driving operation	Driving posture	Load	Accelerator opening angle	Shift position		Vehicle	Pattern of u	esn
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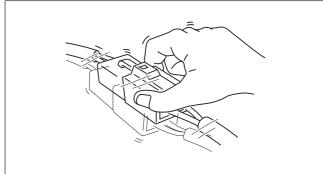
Repair order form

Dealer nan	ne:		Vehicle body number:				Odometer reading:
Vehicle-in o	date:		Estimated repa	air completion d	ate:		Person in-charge:
Subject (Co							
Audio mem	iory	0	0	4		0	Fuel level
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FM1							E F
FM2							
AM							

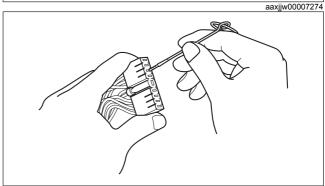


Action for Non-repeatable Malfunction

- 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 (such as PCM circuit voltage) 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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