

09-03B SYMPTOM TROUBLESHOOTING [AUDIO]

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**NO.1 ALC (AUTOMATIC LEVEL CONTROL)
 DO NOT OPERATE. (INSTRUMENT
 CLUSTER OPERATES NORMALLY.)** . 09-03B-1

FOREWORD

A5U090366900W01

- Refer to section 00 and thoroughly read and understand the basic flow of troubleshooting in order to properly perform the procedures.
- For the steps that have an asterisk (*), inspect the connector/terminal connection for continuity and damage. If the connection is poor, reconnect it, or repair or replace the appropriate parts if necessary.

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A5U090366900W02

- To diagnose the appropriate area, use the chart below to verify the symptoms.

No.	TROUBLESHOOTING ITEM	DESCRIPTION	PAGE
1	ALC (automatic level control) do not operate. (Instrument cluster operates normally.)	<ul style="list-style-type: none"> • Malfunction in vehicle speed signal line audio unit. 	(See 09-03B-1 NO.1 ALC (AUTOMATIC LEVEL CONTROL) DO NOT OPERATE. (INSTRUMENT CLUSTER OPERATES NORMALLY.))

NO.1 ALC (AUTOMATIC LEVEL CONTROL) DO NOT OPERATE. (INSTRUMENT CLUSTER OPERATES NORMALLY.)

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1	ALC (automatic level control) do not operate. (Instrument cluster operates normally.)
TROUBLESHOOTING HINTS <ul style="list-style-type: none"> • Malfunction in vehicle speed signal line of audio unit. <ul style="list-style-type: none"> — Audio unit malfunction — Instrument cluster malfunction — Malfunction in wiring harness between audio unit and instrument cluster 	

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Diagnostic procedure

STEP	INSPECTION		ACTION
1	<ul style="list-style-type: none"> • Is ALC function operating? 	Yes	Go to next step.
		No	Make ALC function operate, then go to Step 5.
2	<ul style="list-style-type: none"> • Inspect DTC of PCM. • Is DTC P0500 (VSS circuit malfunction) displayed? 	Yes	Go to applicable DTC inspection.
		No	Go to next step.
3*	<ul style="list-style-type: none"> • Disconnect audio unit connector (24-pin) and instrument cluster connector (16-pin). • Is there continuity between audio unit connector (24-pin) terminal 1I and instrument cluster connector (16-pin) terminal 2L? 	Yes	Go to next step.
		No	Repair wiring harness between audio unit and instrument cluster, then go to Step 5.
4	<ul style="list-style-type: none"> • Inspect wiring harness between audio unit connector (24-pin) terminal 1I and instrument cluster connector (16-pin) terminal 2L for short to ground. • Is there short to ground? 	Yes	Repair wiring harness between audio unit and instrument cluster, then go to next step.
		No	Replace base unit, then go to next step.
5	<ul style="list-style-type: none"> • Does ALC operate normally? 	Yes	Complete troubleshooting, then explain repairs to customer.
		No	Recheck malfunction symptoms, then repeat from Step 1 if malfunction recurs.