

RAV4EV Remote Diagnostics

RAV4EV Operation Check using info Display

Проверка работоспособности с помощью информационного дисплея



https://alflash.com.ua/service/

20 allean 160	Консультации и диагностика от alflash RAV4EV Remote Diagnostics RAV4EV Operation Check using Multi info Display Context of the second secon
rvice Menu	CHECK HARD DISC
Failure Diagnosis	 (a) Enter diagnostic mode*(*). (b) Select "Failure Diagnosis" from the "Service Menu" screen.
Service Information	 (c) Select "HDD Check" from the "Failure Diagnosis" screen. (d) HDD Check. (1) Select "HDD Check" to start the HDD check.
	(2) Check that the result is displayed when the HDD check is completed.
Failure Diagnosis Back	ПРОВЕРКА ЖЕСТКОГО ДИСКА
System Check	(а) Войдите в <u>диагностический режим (*)</u> . (b) Выберите «Failure Diagnosis» на экране «Service Menu».
HDD Check	(c) выберите «HDD Cneck» на экране «Failure Diagnosis"». (d) Проверка жесткого диска (1) Выберите «HDD Check», чтобы начать проверку HDD.
	(2) Убедитесь, что результат отображается после завершения проверки жесткого диска.
мая	(*) Description in https://alflash.com.ua/2019/to rav4ev/diag mode.pdf
	al tech page <u>https://alflash.com.ua/service/</u>

	Консульта	ции и диагностика от alflash	RAV4EV Remote Diagnostics
0 alliash 180	RAV4EV Operation	on Check using Multi info Display	0-0
	СНЕС	CK HARD DISC	
	DISPLAY (RESULT) DESCRIPTION	
	Checking OK	Check is in progress Hard disc is normal	
HINT:	NG	Hard disc is malfunctioning	
• After selecting "HDD Check",	it may take a while	until the result is displayed.	
 If the cabin temperature is -2 and "NG" may be shown on th temperature. If "NG" is displayed even whe with a new one. 	0°C (-4°F) or less, o ne display. Make sur n the cabin tempera	or 65°C (149°F) or higher, the HDD may not operate re to perform the inspection with the cabin at an ap ature is appropriate, replace the navigation receiver	normally, propriate assembly
	ΠΡΟΒΕΡ	КА ЖЕСТКОГО ДИСКА	
	Описание экрана		
	Checking OK	Выполняется проверка Жесткий диск в норме	
Примечания.	NG	Жесткий диск неисправен	
• После выбора «Проверка жес	сткого диска» может	пройти некоторое время, прежде чем отобразится р	результат.
 Если температура в салоне со может не работать нормально соответствующей температура 	оставляет -20 ° С (-4 о, и на дисплее мож ре в салоне автомоби	F°F) или меньше, или 65°C (149°F) или выше, жее ет отображаться «NG». Убедитесь, что вы проводите иля.	сткий диск сосмотр при

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140	Консультации и диагностика от alflash
- alliant 16n	RAV4EV Operation Check using Multi info Display
rvice Menu	CHECK PANEL & STEERING SWITCH
	(a) Enter <u>diagnostic mode (*).</u>
Failure Diagnosis Function Check/Setting Service Information	 (b) Select "Function Check/Setting" from the "Service Menu" screen. (c) Select "Panel & Steering Switch" from the "Function Check/Setting I" screen.
	(d) Panel & Steering Switch Check Mode
	ПРОВЕРКА ПЕРЕКЛЮЧАТЕЛЕЙ ПАНЕЛИ И РУЛЯ
Function Check/Setting 1 Panel&Steering Switch Vehicle Touch Switch Mick Value Recognition UE Value Ou	(a) Войдите в <u>диагностический режим (*)</u> . (b) Выберите «"Function Check/Setting» на экране «Service Menu». (c) Выберите «Panel & Steering Switch» на экране «"Function
Color Bar Camera GPS&Vehicle Sensors	Check/Setting I». (d) Режим проверки панели и рулевого переключателя
	(*) Description in <u>https://alflash.com.ua/2019/to_rav4ev/diag_mode.pdf</u>
	al tech page <u>https://alflash.com.ua/service/</u>

- 20 140 = 0 alliash 160	<u>Консультации и диагностика от alf</u> RAV4EV Operation Check using Multi	lash info Display
	CHECK PANEL & STEER	LING SWITCH
	Screen Description: DISPLAY CON	
Function Check/Setting 1 Back Panel&Steering Switch Vehicle Signal	* a: Switch condition	"Pushed" is displayed when any switch is pushed.
Touch Switch Mic&Voice Recognition HF Voice Quality Setting Color Bar Camera Setting	* b: Number of switches pushed	Number of switches pushed at once is displayed. If more than 3 switches are pushed at once "More than 3" is displayed
GPS&Vehicle Sensors	* c: Rotary switch direction	Direction of rotary switch is displayed.
		ЕКЛЮЧАТЕЛЕЙ ПАНЕЛИ И РУЛЯ
	* а: Состояние переключателя:	"Pushed" отображается при нажатии
Push Switch Check Mode Back Push Switch Check Check the detection result and the number of pushed SW. *a*b	* b: количество нажатых перекл одновр одновр	на любой переключатель. пючателей: Отображается количество ременно нажатых переключателей. Если ременно нажимается более 3
Rotary Switch Check The SW is being turned	перекл * с: Направление поворотного п	ючателей, отображается "Более 3". ереключателя: Отображается
	направ	зление поворотного переключателя.
	al tech page <u>https://alflash.co</u> r	m.ua/service/

140 0 Million 160	Консультации и диагностика от alflash RAV4EV Operation Check using Multi info Display
	CHECK TOUCH SWITCH
Failure Diagnosis Function Check/Setting Service Information	 (a) Enter <u>diagnostic mode (*).</u> (b) Select "Function Check/Setting" from the "Service Menu" screen. (c) Select "Touch Switch" from the "Function Check/Setting I" screen. (d) Touch Switch Check
	(1) Touch the display anywhere in the open area to perform the check when the "Touch Switch Check" screen is displayed.
Touch Back Switch	ПРОВЕРКА СЕНСОРНОГО ПЕРЕКЛЮЧАТЕЛЯ ЭКРАНА. (a) Войдите в <u>диагностический режим (*)</u> .
Check	 (b) Выберите «"Function Check/Setting» на экране «Service Menu». (c) Выберите «Touch Switch» на экране «Function Check/Setting I». (d) Проверка сенсорного переключателя (1) Касайтесь экрана в любом месте открытой области, чтобы
NSSEVERA LZ-1 LAM CAL ZZZ	выполнить проверку, когда отображается экран «Touch Switch Check». (*) Description in https://alflash.com.ua/2019/to_rav4ev/diag_mode.pdf 7 al tech page https://alflash.com.ua/service/



ĺ	Panel&Steering Switch	Vehicle Signal
ĺ	Touch Switch	
[Mic&Voice Recognition	HF Voice Quality Setting
ĺ	Color Bar	Camera Setting
ĺ	GPS&Vehicle Sensors	

ПРОВЕРКА МИКРОФОНА И РАСПОЗНАВАНИЯ ГОЛОСА

(a) Войдите в <u>diagnostic mode.</u>

(b) Выберите «"Function Check/Setting» на экране «Service Menu».

(c) Выберите «Mic & Voice Recognition» на экране «Function

Check/Setting I».

(d) Проверка микрофона и распознавания голоса.

- 20 = 0 alliant 160	Консультации и диагностика от alflash RAV4EV Operation Check using Multi info Display
*a Microphone&Voice Recognition Check Back	CHECK MIC & VOICE RECOGNITION *a: Microphone input level meter Monitors the microphone input level every 0.1 seconds and displays the results in 8 different levels.
	*b: Recording switch Starts recording. *c: Stop switch Stops recording and playing. *d: Play switch Plays the recorded voice *e: Recording indicator Comes on while
	recording. *e: Recording indicator.
-b -c -d	 (1) Push the recording switch and perform voice recording. (2) When speaking into the microphone, check that the microphone input level meter changes according to the input level.
	(3) Check that the recording indicator remains on while recording and that the recording can be played normally.
	ПРОВЕРКА МИКРОФОНА И РАСПОЗНАВАНИЯ ГОЛОСА * а: Измеритель уровня входного сигнала микрофона Контролирует уровень входного
	различных уровнях. * b: переключатель записи Начинает запись.
	 * с: выключатель остановки Останавливает запись и воспроизведение. * d: переключатель воспроизведения Воспроизводит записанный звук. * е: индикатор записи Светится во время записи.
(1) Говоря в микрофон, убедит уровнем. (2) Нажмите переключатель за	гесь, что индикатор входного уровня микрофона изменяется в соответствии с входным

(3) Убедитесь, что индикатор записи остается включенным во время записи и что запись может воспроизводиться в обычном режиме. al tech page <u>https://alflash.com.ua/service/</u>

-Do 140 = 0 alliesh 160	Консультации и диагностика от alflash RAV4EV Operation Check using Multi info Display
rvice Menu	CHECK COLOR BAR
Failure Diagnosis Function Check/Setting Service Information	 (a) Enter <u>diagnostic mode.</u> (b) Select "Function Check/Setting" from the "Service Menu" screen. (c) Select "Color Bar" from the "Function Check/Setting I" screen. (d) Color Bar Check Mode
	(1) Select a color bar from the "Color Bar Check Mode" screen.(2) Check the display color.
	ПРОВЕРКА ЦВЕТ ЭКРАНА
Color Bar Check Mode Back Please check to see that each color name corresponds to each color on the bar. Black Black Red Green Blue White Stripe	 (а) Войдите в <u>diagnostic mode.</u> (b) Выберите «"Function Check/Setting» на экране «Service Menu». (c) Выберите «Color Bar» на экране «Function Check / Setting I». (d) Режим проверки цветовой шкалы
	 (1) Выберите цветовую полосу на экране «Режим проверки цветовой шкалы». (2) Проверьте соответствие цветопередачи экрана дисплея.
	al tech page <u>https://alflash.com.ua/service/</u>

20 9) Информация GP960	Консультации и диагностика от alflash RAV4EV Operation Check using Multi info Display
rvice Menu Failure Diagnosis Function Check/Setting Service Information	CHECK GPS & VEHICLE SENSORS (a) Enter diagnostic mode. (b) Select "Function Check/Setting" from the "Service Menu" screen. (c) Select "Vehicle Signal" from the "Function Check/Setting I" screen. (d) GPS Information
Function Check/Setting I Back Panel&Steering Switch Vehicle Signal Touch Switch Vehicle Signal Mic&Voice Recognition HF Voice Quality Setting Color Bar Camera Setting GPS&Vehicle Sensors Image: Sensors	ПРОВЕРКА GPS И ДАТЧИКОВ АВТОМОБИЛЯ (a) Войдите в <u>diagnostic mode.</u> (b) Выберите «" Function Check/Setting"» на экране «Service Menu». (c) Выберите «GPS & Vehicle Sensors» на экране «Function Check/Setting I». (d) Информация GPS.
	al tech page <u>https://alflash.com.ua/service/</u>







GPS Information				Sens	ors C	heck	Ba	ack	
No.	Elv	Azm	LVL	STS	No.	Elv	Azm	LVL	STS
13	62°/	189 [°]	46	Ρ	28	00°/	053 [°]	44	т
15	56°/	258 [°]	69	Ρ	16	00°/	000°	00	-
14	50°/	056 [°]	52	Ρ	00	00°/	000°	00	-
17	50°/	108 [°]	60	Ρ	00	00°/	000°	00	-
19	38°/	147 [°]	60	Ρ	00	00°/	000°	00	-
24	30°/	293 [°]	36	Ρ	00	00°/	000°	00	-
Measurem	ent	Data(GI	MT:DD	/MM/\	(YYY) 01/	09/	2021	21: 18	3: 30
sta	tus:OK	(3D)	Lat	itude	Long	gitude			
		1	N 4	6 [°] 21′	25″E 3	0°38′ 5	52″ T i	me Se	tting

CHECK GPS & VEHICLE SENSORS

*	a: Satel	lite Inforr	mation [Descrip	tion					
D	ISPLAY		CONTEN	Т						
N	0.		Number	of the	targe	t GPS	satell	ite.		
E	V		Elevatio	n angle	of th	e tarc	jet GP	S s	atellit	e.\
Α	zm		Directio	n of the	e targe	et GP	S satel	llite	2	
L	VL		The GPS	signal	level					

ПРОВЕРКА GPS И ДАТЧИКОВ АВТОМОБИЛЯ

	~		
2'			
а.			

No. Номер целевого спутника GPS. Elv

Угол возвышения целевого спутника GPS.

Направление целевого спутника GPS Azm

Уровень сигнала GPS

LVL

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П Информация GP360	<u>Консу</u> V Оре	льтации и диагностика от alflash eration Check using Multi info Display
GPS Information Sensors Check Back *a 3 75 /021* 121 14 5 80 727* 541 191 *a *a 3 75 /021* 121 14 5 80 727* 541 191 *a *b 10 37 /21* 30 11 10 27 111* *b *b 10 37 7077 20 11 18 27 /300* 111* *b *b *b *c *b *c <	*b DI P T U	CHECK GPS & VEHICLE SENSORS Receiving Condition Description SPLAY CONTENT The system is using the GPS signal for location. The system is tracking the GPS signal for location. The system is receiving a GPS signal, but is not using it for location. The system cannot receive a GPS signal. (Searching a GPS Signal).
GPS Information Sensors Check Back No. Elv Azm LVL STS No. Elv Azm LVL STS 13 62° / 189° 46 P 28 00° / 053° 44 T 15 56° / 258° 69 P 16 00° / 000° 00 - 14 50° / 056° 52 P 00 00° / 000° 00 - 17 50° / 108° 60 P 00 00° / 000° 00 - 19 38° / 147° 60 P 00 00° / 000° 00 - 24 30° / 293° 36 P 00 00° / 000° 00 -	b: P T	ПРОВЕРКА GPS И ДАТЧИКОВ АВТОМОБИЛЯ Описание условий приема Система использует сигнал GPS для определения местоположения. Система отслеживает сигнал GPS для определения местоположения.
Measurement Data(GMT:DD/MM/YYYY) 01/ 09/ 2021 21: 18: 30 status:OK(3D) Latitude Longitude N 46°21′25″ E 30°38′52″ Time Setting	U -	Система получает сигнал GPS, но не использует его для определения местоположения Система не может получить сигнал GPS. (Поиск сигнала GPS) 13

CHECK GPS & VEHICLE SENSORS *c: Measurement Status Description OK (H3D) High accuracy 3-dimensional location method is being used. OK (H2D) High accuracy 2-dimensional location method is being used. OK (3D) OK (42D) High accuracy 2-dimensional location method is being used. OK (2D) C-dimensional location method is being used. OK (2D) OK (3D) Sensors Check Back Impose for the formation Sensor Check Back	а) Информация GPS	<u>Консультации и г</u> V4EV Operation Ch	диагностика от alflash eck using Multi info Display
GPS Information Sensors Check Back Image: Construct of the setting	GPS Information Sensors Check Back *a Back Back </th <th>CHEC *c: Meas OK (H3D) OK (H2D) OK (3D) OK (2D)</th> <th>K GPS & VEHICLE SENSORS surement Status Description High accuracy 3-dimensional location method is being used. High accuracy 2-dimensional location method is being used. 3-dimensional location method is being used. 2-dimensional location method is being used.</th>	CHEC *c: Meas OK (H3D) OK (H2D) OK (3D) OK (2D)	K GPS & VEHICLE SENSORS surement Status Description High accuracy 3-dimensional location method is being used. High accuracy 2-dimensional location method is being used. 3-dimensional location method is being used. 2-dimensional location method is being used.
GPS Information Sensors Check Back No. Elv Azm LVL STS No. Elv Azm LVL STS 13 62' / 189' 46 P 28 00' / 053' 44 T 15 56' / 258' 69 P 16 00' / 000' 00 - 14 50' / 056' 52 P 00 00' / 000' 00 - 19 38' / 147' 60 P 00 00' / 000' 00 - 24 30' / 293' 36 P 00 00' / 000' 00 - Measurement Data(GMT:DD/MM/YYYY) 01/ 09/ 2021 21: 18: 30 OK (12D) Используется высокоточный двухмерный метод No Latitude Longitude Congitude OK (3D) Используется метол трехмерной докации	taterios (20) " Casas de Casasar " 5038 38 98" - 5327 02 123 Time Setting *d	NG -	has occurred. Any other state.
24 30 / 293 36 9 00 00 / 000 00 - 2 00 / 000	GPS Information Sensors Check Back No. Elv Azm LVL STS No. Elv Azm LVL STS 13 62°/ 189° 46 P 28 00°/ 053° 44 T 15 56°/ 258° 69 P 16 00°/ 00 - 14 50°/ 056° 52 P 00 00°/ 00 - 17 50°/ 108° 60 P 00 00°/ 00 - 19 38°/ 147° 60 P 00 00°/ 00 -	Г * с: Описани ОК (H3D) ОК (H2D)	ТРОВЕРКА GPS И ДАТЧИКОВ АВТОМОБИЛЯ ие статуса измерения Используется высокоточный метод трехмерной локации. Используется высокоточный двухмерный метод
N 46 [°] 21 [′] 25 [″] E 30 [°] 38 [′] 52 [″] Time Setting ОК (2D) Используется двухмерный метод локации. NG Данные о местоположении нельзя использовать. Error Произошла ошибка приема. - Любое другое состояние. 14	24 30' / 293 36 P 00' 00' / 000' 00' - 00	OK (3D) OK (2D) NG Error	локации. Используется метод трехмерной локации Используется двухмерный метод локации. Данные о местоположении нельзя использовать. Произошла ошибка приема. Любое другое состояние.





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GPS	Info	rmat	tion		Sens	ors C	heck	Ba	ck
No.	Elv	Azm	LVL	STS	No.	Elv	Azm	LVL S	STS
13	62°/	189 [°]	46	Ρ	28	00°/	053 [°]	44	т
15	56°/	258 [°]	69	Ρ	16	00°/	000°	00	-
14	50°/	056 [°]	52	Ρ	00	00°/	000°	00	-
17	50°/	108 [°]	60	Ρ	00	00°/	000°	00	-
19	38°/	147°	60	Ρ	00	00°/	000°	00	-
24	30°/	293 [°]	36	Ρ	00	00°/	000°	00	-
Measurem	ent	Data(G	MT:DD	/MM/Y	YYY) 01/	09/	2021	21: 18	: 30
stat	tus:OK	(3D)	Lat	itude	Long	itude			
510			N 4	6°21′2	25" E 3	0 [°] 38′ 5	52″ T i	me Set	tting

CHECK GPS & VEHICLE SENSORS

- *d: Position Information Description.
- Position Latitude and longitude information on the current position is displayed.
- *e: Date Information Description.
- Date. The date/time information obtained from GPS signals is displayed Greenwich Mean Time (GMT).
 - (1) When the "GPS Information" screen is displayed, check the GPS conditions.

ПРОВЕРКА GPS И ДАТЧИКОВ АВТОМОБИЛЯ

- *d: Описание информации о местоположении.
- Position Отображается информация о широте и долготе текущего положения.
- *е: Описание информации о дате.
- Date. Информация о дате и времени, полученная из сигналов GPS, отображается по среднему времени по Гринвичу (GMT).
 - (1) Когда отображается экран «Информация о GPS», проверьте состояние/параметры GPS.









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Vehicle Sign	al Check N	Mode	Back	Battery	Auxilia	ry batter	y v
Battery IG PKB REV	14.7V ON OFF OFF	SPEED TAIL ADIM/TCAN	0km/h ON DIM	IG PKB REV SPEED TAIL ADIM/T	Power Parking Revers Vehicle Tail sig CAN Brig	switch O brake (signal speed i nal (Ligh ghtness s	DN ON s d nt c sta
Vehicle Sion:	al Chock	Mada	Peal	Battery	ПР(Отобр	ОВЕРКА ажается	СИ
Venice Sign		Mode	Dack	IG PKB	Отобр Отобр	ажается ажается	C(C(
Battery	14.7V	SPEED	0km/h	REV	Отобр	ажается	CC
IG	ON	TAIL	OFF		задне	го хода.	
PKB REV	OFF	ADIM/TCAN	BRIGHT	TAIL	Отобр	сть авто ажается	
					управ. САМ	ления ос Отобрах	CB6

CHECK VEHICLE SIGNAL

Battery	Auxiliary battery voltage is displayed.
IG	Power switch ON/OFF state is displayed.
PKB	Parking brake ON/OFF state is displayed.
REV	Reverse signal ON/OFF state is displayed.
SPEED	Vehicle speed is displayed in km/h.
TAIL	Tail signal (Light control switch) ON/OFF state is displayed.
ADIM/T	CAN Brightness state DIM (with) / BRIGHT (without) is displayed.

ПРОВЕРКА СИГНАЛОВ АВТОМОБИЛЯ.

Battery	Отображается напряжение 12В аккумуляторной батареи.
IG	Отображается состояние включения/выключения "Power".
PKB	Отображается состояние ВКЛ / ВЫКЛ стояночного тормоза.
REV	Отображается состояние включения / выключения сигнала
	заднего хода.
SPEED	Скорость автомобиля отображается в км/ч.
TAIL	Отображается состояние ВКЛ / ВЫКЛ сигнала переключателя
	управления освещением.

ADIM/TCAN Отображается состояние яркости DIM (с)/BRIGHT (без)





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	Hands-Free Voice	Quality Setting Back
a —	Receive Voice Level	▼ ±0 ▲ 7 8 9
b —	Send Voice Level	▼ ±0 ▲ 4 5 6
	Voice Quality Type	0000 1 2 3
		INIT O Set

CHECK HANDS-FREE VOICE QUALITY AND VOLUME SETTING

(a) Enter diagnostic mode.

- (b) Select "Function Check/Setting" from the "Service Menu" screen.
- (c) Select "HF Voice Quality Setting" from the "Function Check/Setting I" screen.
- (d) Hands-Free Voice Quality Setting (Receive/Send Voice Level adjustment)

DISPLAY CONTENT

- *a: Receive voice level adjustment Setting for the voice level received from "Bluetooth" compatible phones.
- *b: Send voice level adjustment Setting for the voice level sent from "Bluetooth" compatible phones.

NOTICE:

Sound quality may deteriorate when the receive voice or send voice level is changed more than necessary. For this reason, check that the received voice or sent voice quality is still acceptable after changing this setting.

(1) If the voice level is low, press the up button, and if the voice level is loud, press the down button.

HINT:

- Settings will be applied when the up or down button is selected.
- The received voice level adjustment ranges from -5 to +1.
- The sent voice level adjustment ranges from -5 to +2.
- The initial level is "0".

(d) Информация GP96	40			<u>Консу</u> RAV4EV Оре	льтации и ди eration Chec	агностика с k using M	<u>T alflash</u> ulti info Dis	play			RAV4EV Remote Diagno	ostics
Hands=Free Voice Qualit Receive Voice Level Send Voice Level Voice Quality Type	Setting ±0 ▲ 7 ±0 ▲ 4 0000	Back 8 9 5 6 2 3	CHEC (e) *a *b *c	CK HANDS Hands-Fr Nun Sett Res (1) If nec	FREE VC ee Voice meric key ting butto et button essary, re	DICE QU Quality Dad n	ALITY AN Setting (he table	ND VOLU Voice Qu below to	ME SET ality Ty adjust	TING pe adjustm the voice q	ent) uality type	
Cottings	*c	Set	*b	with the r (2) When the voice	numeric k adjusting quality ty	eypad. J the se pe acco	ttings, us ording to	se the nu the table	mber p e.	ad on the s	creen to inp	ut
PARAMETER		TARC PHENON	GET 1ENON		VOICE QUALITY TYPE	F CHA	OSITIVE I	EFFECT OI DICE QUAI	F LITY	NEGATIV CHANG QU	/E EFFECT OF GING VOICE JALITY	
A (Noise)	The char other part	nge in bacl sy hears be	kground r ecomes ui	noise the npleasant.	1000	The ch the oth	lange in ba ler party h	ackground nears is re	l noise duced.	Background Talking becc	noise when n mes large.	ot
B (Noise)	The vol party hear	ume of the rs tempora	e noise th rily becor	e other mes large.	2000	The te	mporary n	noise is ree	duced.	The volume drop tempor	of voice may rarily	
												20

		<u>Консультации</u> (EV Operation	и диагностика от alflash Chock using Multi info Display	RAV4EV Remote Diagnostics
(d) Информация GP966 Settings	CHECK HA	NDS-FREE	VOICE QUALITY AND VOLUME S	SETTING
PARAMETER	TARGET PHENOMENON	VOICE QUALITY TYPE	POSITIVE EFFECT OF CHANGING VOICE QUALITY	NEGATIVE EFFECT OF CHANGING VOICE QUALITY
C (Echo)	The other party hears weak echoes.	0100	The amount of echo is reduced (low level).	Sound quality of the other Party deteriorates (low level).
D (Echo)	The other party hears strong echoes.	0200	The amount of echo is reduced (high level).	Sound quality of the other Party deteriorates (high level).
E (Quality)	The other party hears harsh noises.	0010	Sound the other party hears becomes soft.	Sound the other party hears becomes muffled.
F (Quality)	You hear harsh noises.	0020	Sound you hear becomes soft.	Sound you hear becomes muffled.
	Settings (When multiple phe	nomenon oc	curred)	
PARAMETER	TARGET PHENOMENON	VOICE QUALITY TYPE	POSITIVE EFFECT OF CHANGING VOICE QUALITY	NEGATIVE EFFECT OF CHANGING VOICE QUALITY
A+C	The change in background noise the other party hears becomes unpleasant and the other party hears weak echoes.	1100	 The change in background noise the other party hears is reduced. The amount of echo is reduced (low level). 	 Background noise when not talking becomes large. Sound quality of the other party deteriorates (low level).
		al tech page	https://alflash.com.ua/service/	





CHECK HANDS-FREE VOICE QUALITY AND VOLUME SETTING

Settings (When multiple phenomenon occurred)

PARAMETER	TARGET PHENOMENON	VOICE QUALITY TYPE	POSITIVE EFFECT OF CHANGING VOICE QUALITY	NEGATIVE EFFECT OF CHANGING VOICE QUALITY
A+D	The change in background noise the other party hears becomes Unpleasant and the other party hears strong echoes.	1200	 The change in background noise the other party hears is reduced. The amount of echo is reduced (high level). 	 Background noise when not talking becomes large. Sound quality of the other party Deteriorates (high level).
B+C	The volume of the noise the other party hears temporarily becomes large and the other party hears weak echoes	2100	 The temporary noise is reduced. The amount of echo is reduced (low level). 	 The volume of voice may drop temporarily. Sound quality of the other party deteriorates (low level).
B+D	The volume of the noise the other party hears temporarily becomes large and the other party hears weak echoes.	2200	 The temporary noise is reduced. The amount of echo is reduced (low level). 	 The volume of voice may drop temporarily. Sound quality of the other party deteriorates (low level).
C+E	The other party hears weak echoes and harsh noises.	0110	 The amount of echo is reduced (low level). Sound the other party hears becomes soft. 	 Sound quality of the other party deteriorates (low level). Sound the other party hears Becomes muffled.





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CHECK HANDS-FREE VOICE QUALITY AND VOLUME SETTING

Settings (When multiple phenomenon occurred)

PARAMETER	TARGET PHENOMENON	VOICE QUALITY TYPE	POSITIVE EFFECT OF CHANGING VOICE QUALITY	NEGATIVE EFFECT OF CHANGING VOICE QUALITY
C+E	The other party hears weak echoes and harsh noises.	0110	 The amount of echo is reduced (low level). Sound the other party hears becomes soft. 	 Sound quality of the other party deteriorates (low level). Sound the other party hears Becomes muffled.
C+F	The other party hears weak echoes and you hear harsh noises.	0120	 The amount of echo is reduced (low level). Sound you hear becomes soft. 	 Sound quality of the other party deteriorates (low level). Sound you hear becomes muffled.

HINT:

- The default value is "0000".
- Settings will be applied when the setting button is selected.
- If voice quality type values that are not in the table are input, the setting will not be applied and a positive
 effect may not be gained.
- If the quality of phone calls decreases due to the changed settings, return the settings to "0000" by pressing the "INIT" switch.





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CHECK SOFTWARE ERROR HISTORY

HINT:

This function is used to check the cause when the navigation receiver assembly screen is blacked out.

- (a) Check software error history.
 - (1) Connect the Techstream to the DLC3.
 - (2) Turn the power switch on (READY).
 - (3) Turn the Techstream on.
 - (4) Enter the following menus: Body Electrical / Navigation System / Utility / Software Error History.
 - (5) When an item is stored for Software Error History, record it before repairing the navigation receiver asse

Software	Error	History	Screen	Description

ERROR DESCRIPTION	TRIGGER	DETAIL
Software Reset	Navi Microcomputer	Hexadecimal Number
	Audio Microcomputer	
	CAN Microcomputer	
No Video Signal	Front Monitor	
	Rear Monitor	
MOST Cold Restart	Always	

(b) Clear software error history.

(1) When DTCs are cleared using any of the following operations, Software Error History will be cleared as well:

- Cleared using the Techstream.
- Cleared using the system check mode screen.
- Cleared using the unit check mode screen.



