

SECTION SE SEAT

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000009237789

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".**
- **Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

Service Notice

INFOID:000000009237791

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

Precaution for Work

INFOID:000000009237792

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After re-installation is completed, be sure to check that each part works normally.
- Follow the steps below to clean components.
 - Water soluble foul: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the fouled area.

PRECAUTIONS

< PRECAUTION >

- Then rub with a soft and dry cloth.
- Oily foul: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the fouled area.
Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.
- Never use organic solvent such as thinner, benzene, alcohol, and gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

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PREPARATION

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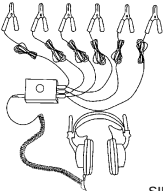
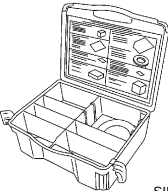
PREPARATION

PREPARATION

Special Service Tool

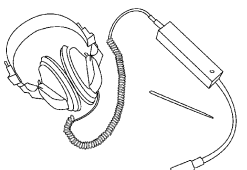
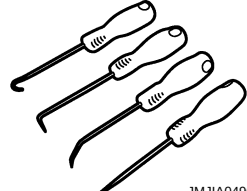
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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
(J-39570) Chassis ear  SIIA0993E	Locates the noise
(J-50397) NISSAN Squeak and Rattle Kit  SIIA0994E	Repairs the cause of noise

Commercial Service Tool

INFOID:000000009237794

Tool name	Description
Engine ear  SIIA0995E	Locates the noise
Hook and pick tool  JMJIA0490ZZ	Remove the snap pins

CLIP LIST

< PREPARATION >

CLIP LIST

Clip List

INFOID:000000009237795

Shapes	Removal & Installation		Shapes	Removal & Installation	
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.			Removal: Finisher Clip A Flat-bladed screwdriver Clip B	
	Removal: Remove with a clip remover.			Removal: Flat-bladed screwdriver Finisher Body panel Clip A Clip B (Grommet)	
	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.)	Installation: Push		Removal: Holder portion of clip must be spread out to remove rod.	
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.			Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	
	Removal: 			Removal: Rotate 45° to remove.	Installation:
	Removal: 			Removal: 	

JMJIA3734GB

COMPONENT PARTS

< SYSTEM DESCRIPTION >

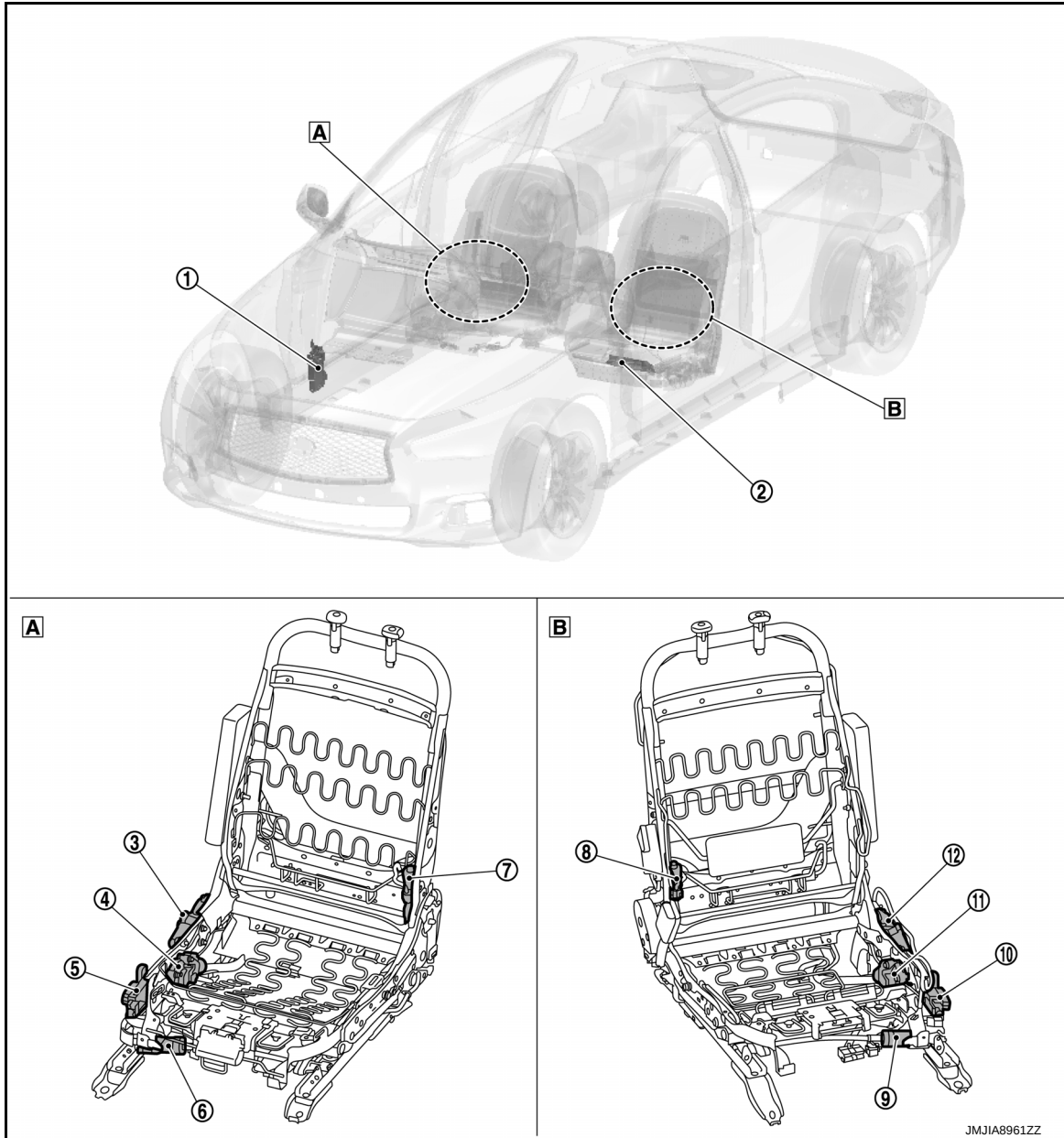
SYSTEM DESCRIPTION

COMPONENT PARTS

POWER SEAT SYSTEM

POWER SEAT SYSTEM : Component Parts Location

INFOID:000000009641300



A Passenger side

B Driver side

No.	Component	Function
①	BCM	Supplies at all times the power received from battery to power seat switch.
②	Driver seat control unit	Operate the specific seat motor with the signal from power seat switch.
③	Lifting motor (rear) (passenger side)	• Lifting motor (rear) is installed to seat frame assembly. • Lifting motor (rear) is moved upward/downward by changing the rotation direction of lifting motor (rear).

COMPONENT PARTS

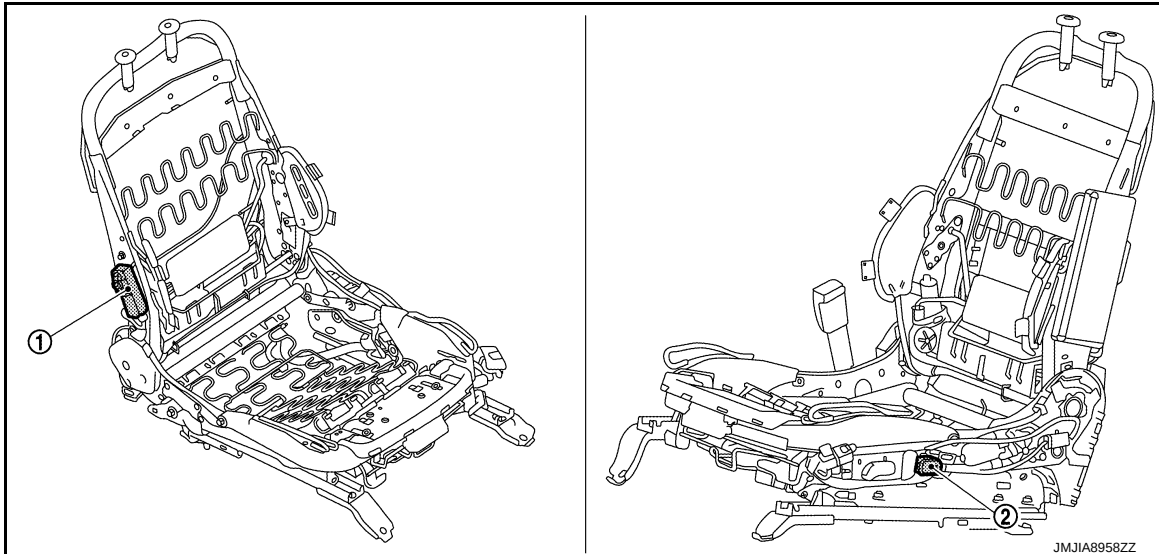
< SYSTEM DESCRIPTION >

No.	Component	Function
④	Lifting motor (front) (passenger side)	- Lifting motor (front) is installed to seat frame assembly. - Lifting motor (front) is moved upward/downward by changing the rotation direction of lifting motor (front).
⑤	Power seat switch (passenger side)	Refer to SE-12, "Power Seat Switch" .
⑥	Sliding motor (passenger side)	- Sliding motor is installed to the seat frame assembly. - Slides the seat forward/backward by changing the rotation direction of sliding motor.
⑦	Reclining motor (passenger side)	- Reclining motor is installed to seat frame assembly. - Seatback is reclined forward/backward by changing the rotation direction of reclining motor.
⑧	Reclining motor (driver side)	- Reclining motor is installed to seat frame assembly. - Reclining motor is activated with driver seat control unit. - Seatback is reclined forward/backward by changing the rotation direction of reclining motor.
⑨	Sliding motor (driver side)	- Sliding motor is installed to the seat frame assembly. - Sliding motor is activated with driver seat control unit. - Slides the seat forward/backward by changing the rotation direction of sliding motor.
⑩	Power seat switch (driver side)	Refer to SE-12, "Power Seat Switch" .
⑪	Lifting motor (front) (driver side)	- Lifting motor (front) is installed to seat frame assembly. - Lifting motor (front) is activated with driver seat control unit. - Lifting motor (front) is moved upward/downward by changing the rotation direction of lifting motor (front).
⑫	Lifting motor (rear) (driver side)	- Lifting motor (rear) is installed to seat frame assembly. - Lifting motor (rear) is activated with driver seat control unit. - Lifting motor (rear) is moved upward/downward by changing the rotation direction of lifting motor (rear).

LUMBAR SUPPORT SYSTEM

LUMBAR SUPPORT SYSTEM : Component Parts Location

INFOID:0000000009641301



No.	Component	Function
①	Lumbar support motor	With the power supplied to lumbar support switch, operates the forward and backward movement of seatback support.
②	Lumbar support switch	Refer to SE-13, "Lumbar Support Switch" .

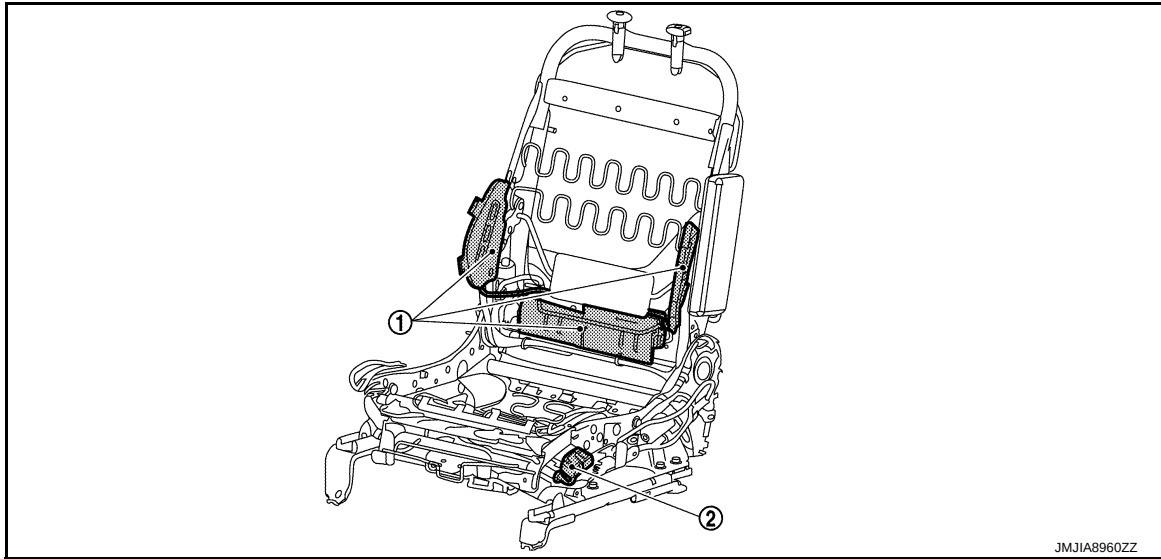
SIDE SUPPORT SYSTEM

COMPONENT PARTS

< SYSTEM DESCRIPTION >

SIDE SUPPORT SYSTEM : Component Parts Location

INFOID:000000009641302



No.	Component	Function
①	Side support assembly	Built-in side support pump, side support valve and side support, and operates when pressing ON/OFF on side support switch.
②	Side support switch	Refer to SE-13. "Side Support Switch" .

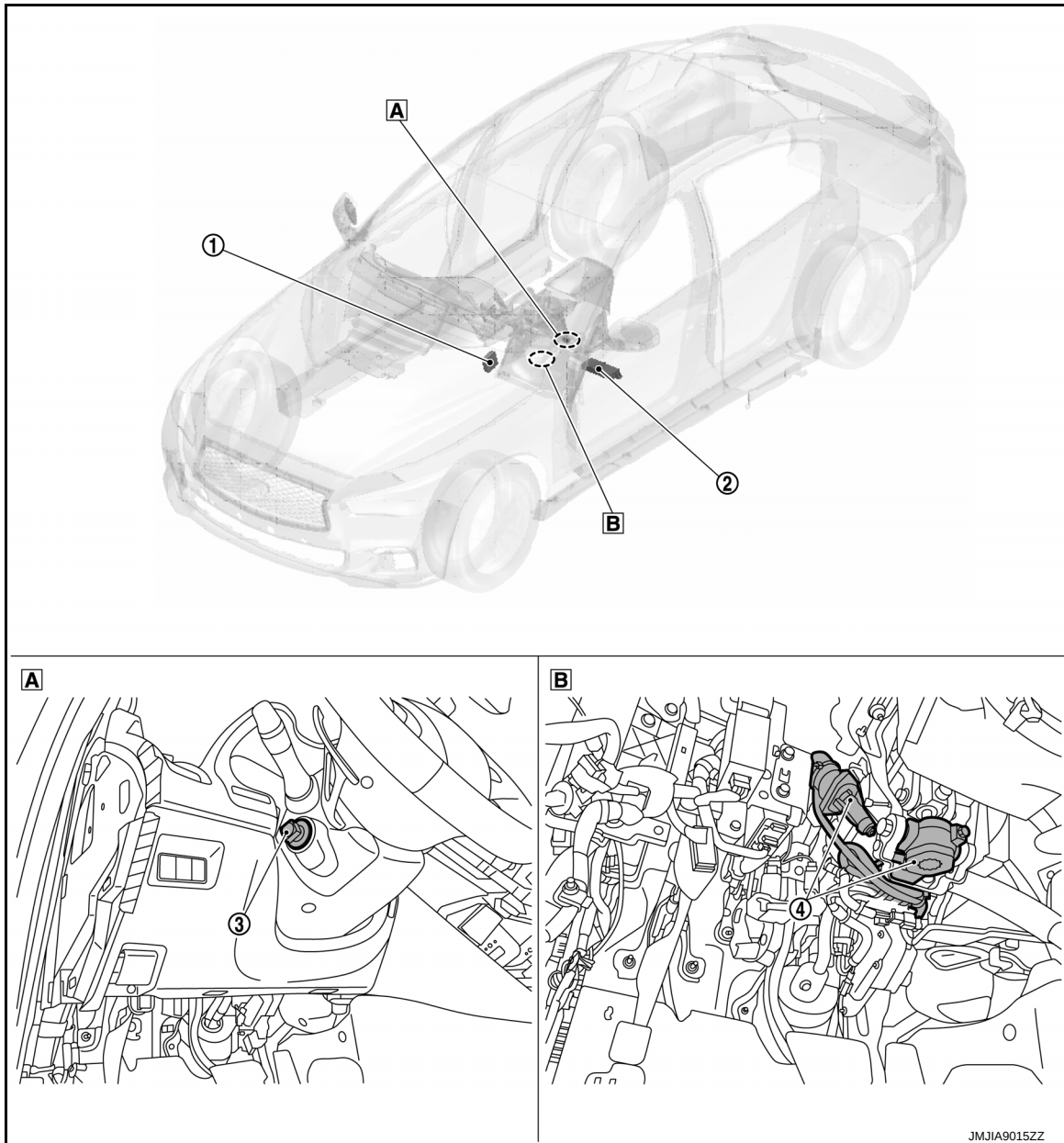
TILT & TELESCOPIC SYSTEM

COMPONENT PARTS

< SYSTEM DESCRIPTION >

TILT & TELESCOPIC SYSTEM : Component Parts Location

INFOID:000000009641303



A View with steering column cover lower

B View with steering column cover lower and instrument lower cover LH removed

No.	Component	Function
①	Automatic drive positioner control unit	- It communicates with driver seat control unit via UART communication. - Perform the controls of tilt & telescopic motor.
②	Driver seat control unit	- It communicates with automatic drive positioner control unit via UART communication. - Requests the operation of tilt & telescopic motor to automatic drive positioner control unit.
③	Tilt & telescopic switch	Tilt & telescopic switch, as a unit, transmits switch operation signal to automatic drive positioner control unit.
④	Tilt & telescopic motor	Operates by power supply from automatic drive positioner control unit.

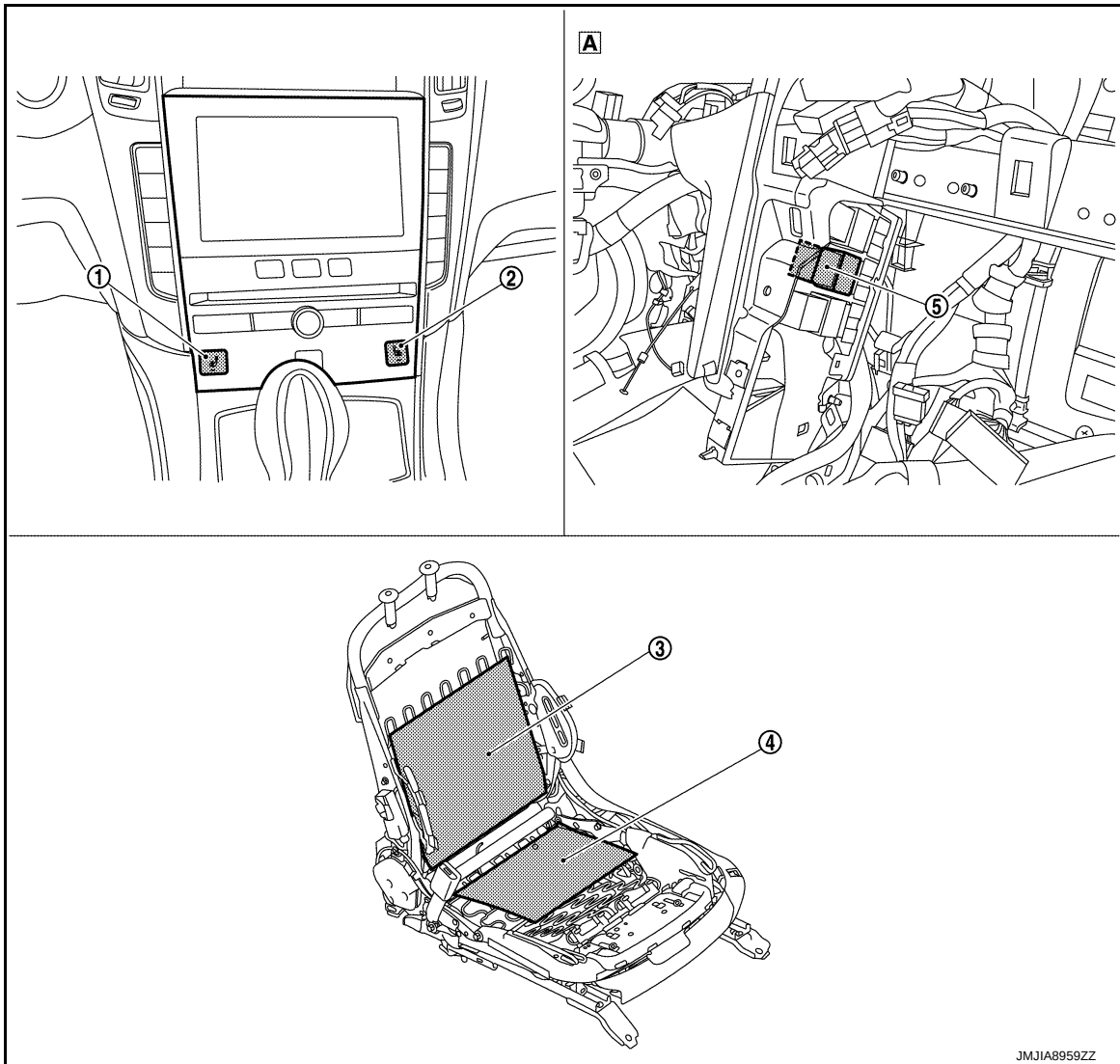
HEATED SEAT SYSTEM

COMPONENT PARTS

< SYSTEM DESCRIPTION >

HEATED SEAT SYSTEM : Component Parts Location

INFOID:000000009641304



A View with AV control unit or NAVI control unit removed

No.	Component	Function
①	Integral switch (heated seat switch LH)	Adjusts heated seat temperature and activates heated seat system. Refer to AV-14, "Component Parts Location" for detailed installation location.
②	Integral switch (heated seat switch RH)	
③	Seatback heater	• Warms seatback. • Contains heat sensor that outputs seatback heater temperature to A/C auto amp.
④	Seat cushion heater	• Warms seat cushion. • Contains heat sensor that outputs seat cushion heater temperature to A/C auto amp. • Built-in heat sensor.
⑤	Heated seat relay	Supplies power to the heated seat being controlled by ignition power supply.

Power Seat Switch

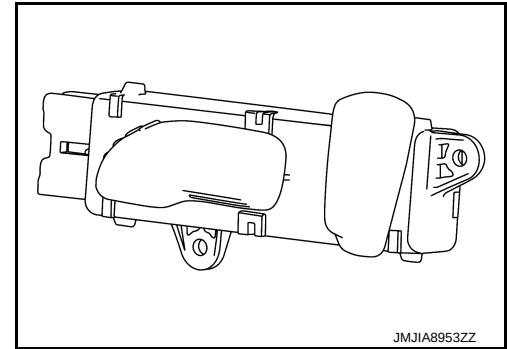
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- Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each motor.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

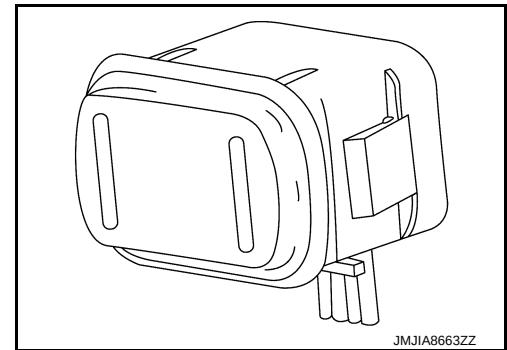
- Installed on seat cushion outer finisher.



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Lumbar Support Switch

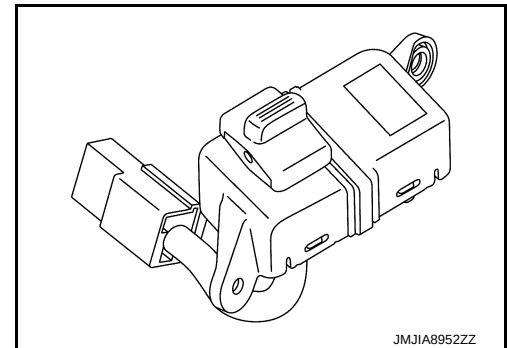
- Controls the power supplied to lumbar support motor.
- Installed on seat cushion outer finisher (driver side).



INFOID:000000009641307

Side Support Switch

- Controls the power supplied to side support assembly.
- Installed on seat cushion outer finisher (driver side).



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SYSTEM

< SYSTEM DESCRIPTION >

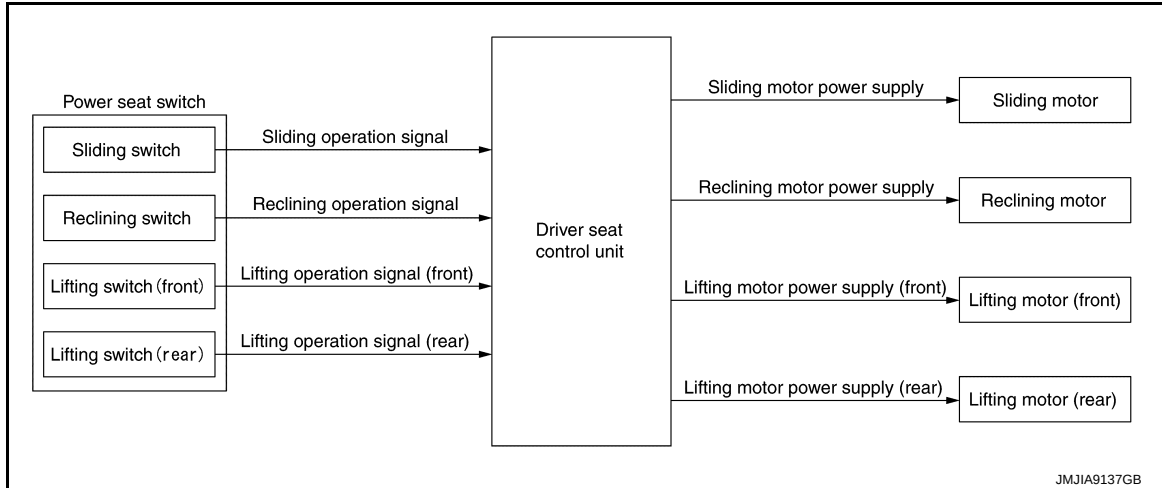
SYSTEM

POWER SEAT SYSTEM

POWER SEAT SYSTEM : System Description

INFOID:000000009641308

SYSTEM DIAGRAM



DESCRIPTIPN

Power seat can be operated regardless of the ignition switch position, because power supply is always supplied to power seat switch.

Sliding Operation

While operating the sliding switch located in power seat switch, sliding motor operates and makes possible the seat front and back position adjustment.

Reclining Operation

While operating the reclining switch located in power seat switch, reclining motor operates and makes possible the seat back forward and backward position adjustment.

Lifting Operation

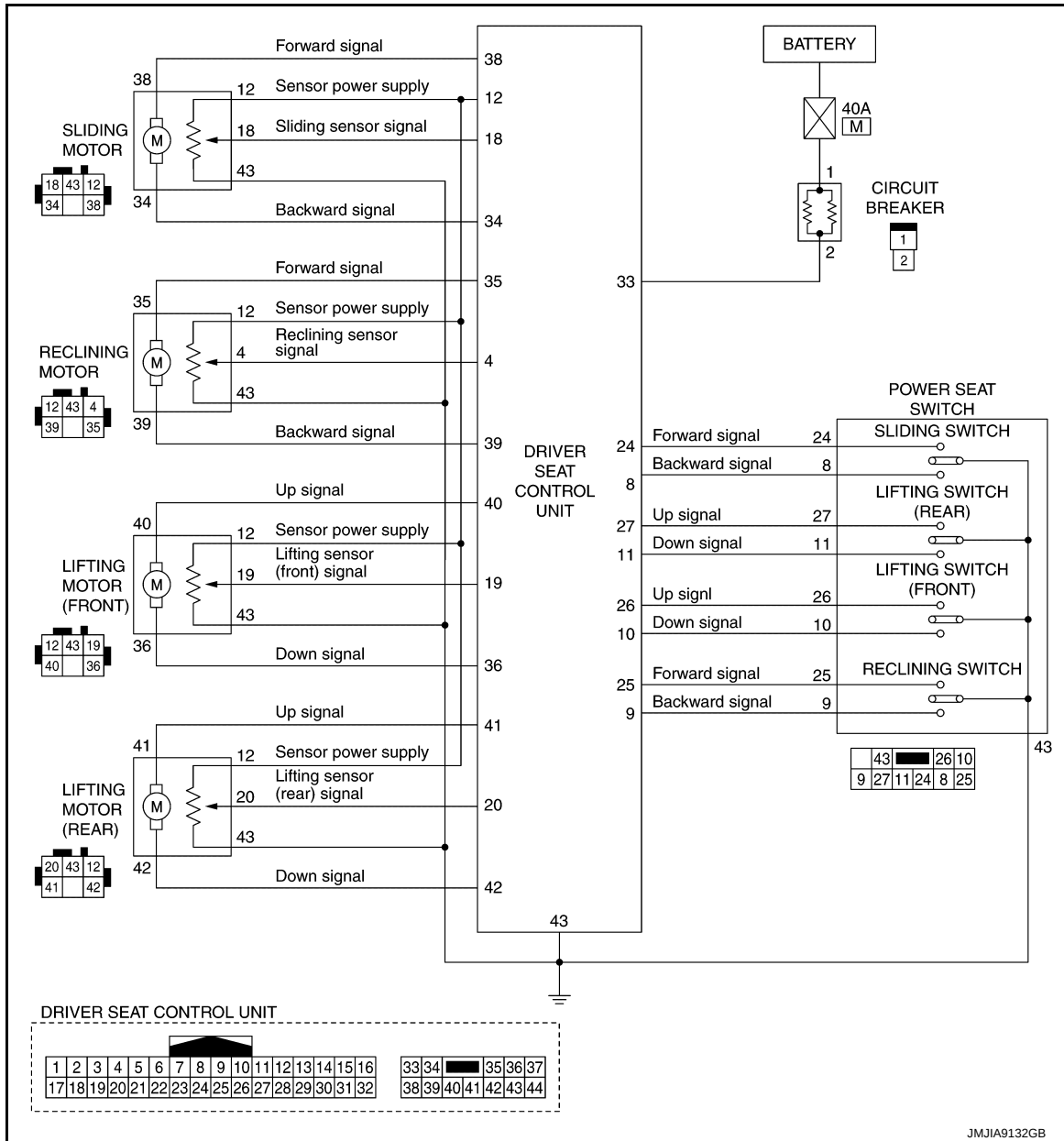
While operating the lifting switch located in power seat switch, lifting motor operates and makes possible the seat cushion up and down position adjustment.

SYSTEM

< SYSTEM DESCRIPTION >

POWER SEAT SYSTEM : Circuit Diagram

INFOID:000000009726300



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LUMBAR SUPPORT SYSTEM

LUMBAR SUPPORT SYSTEM : System Description

INFOID:000000009641309

DESCRIPTION

- Lumbar support can operate regardless of the ignition switch position because, power supply is always supplied to lumbar support switch.
- While operating the lumbar support switch, lumbar support motor operates which allows forward and backward operation of seatback support.

SIDE SUPPORT SYSTEM

SIDE SUPPORT SYSTEM : System Description

INFOID:000000009641310

DESCRIPTION

- The pump located inside side support assembly operates when side support switch is operated, and adjusts the air pressure in seatback side support.

SYSTEM

< SYSTEM DESCRIPTION >

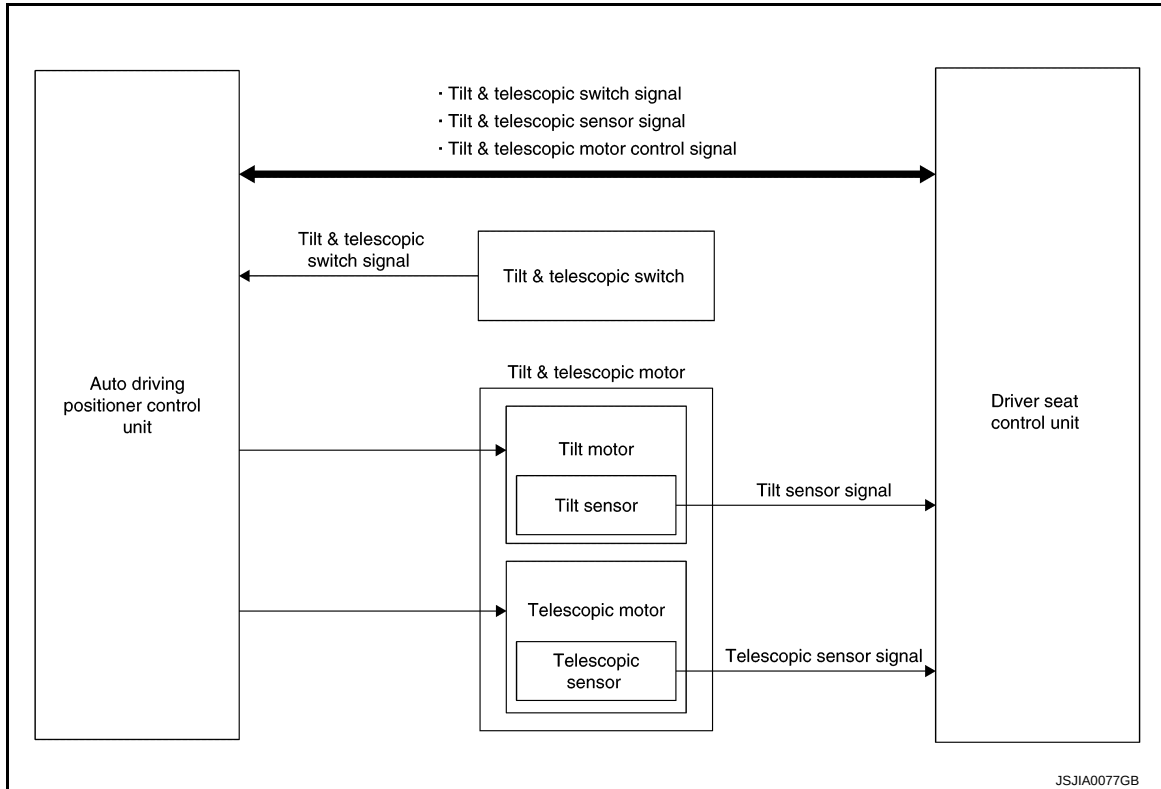
- It is possible to soften the side support, by allowing some air to escape, by deflating the solenoid located inside side support.
- It is possible to adjust seatback differently while inflating or deflating solenoid located in side support assembly.

TILT & TELESCOPIC SYSTEM

TILT & TELESCOPIC SYSTEM : System Description

INFOID:000000009641311

SYSTEM DIAGRAM



DESCRIPTION

Automatic driver positioner control unit is always supplied power supply from battery, and tilt and telescopic system is operative regardless of the ignition switch position.

Tilt Operation

- Tilt motor operates when tilt & telescopic switch is operated, and allows up or down position adjustment of steering wheel.
- Tilt sensor detects the position of steering wheel during tilt motor operation, and automatically cuts the power when the operation limit is reached.

Telescopic Operation

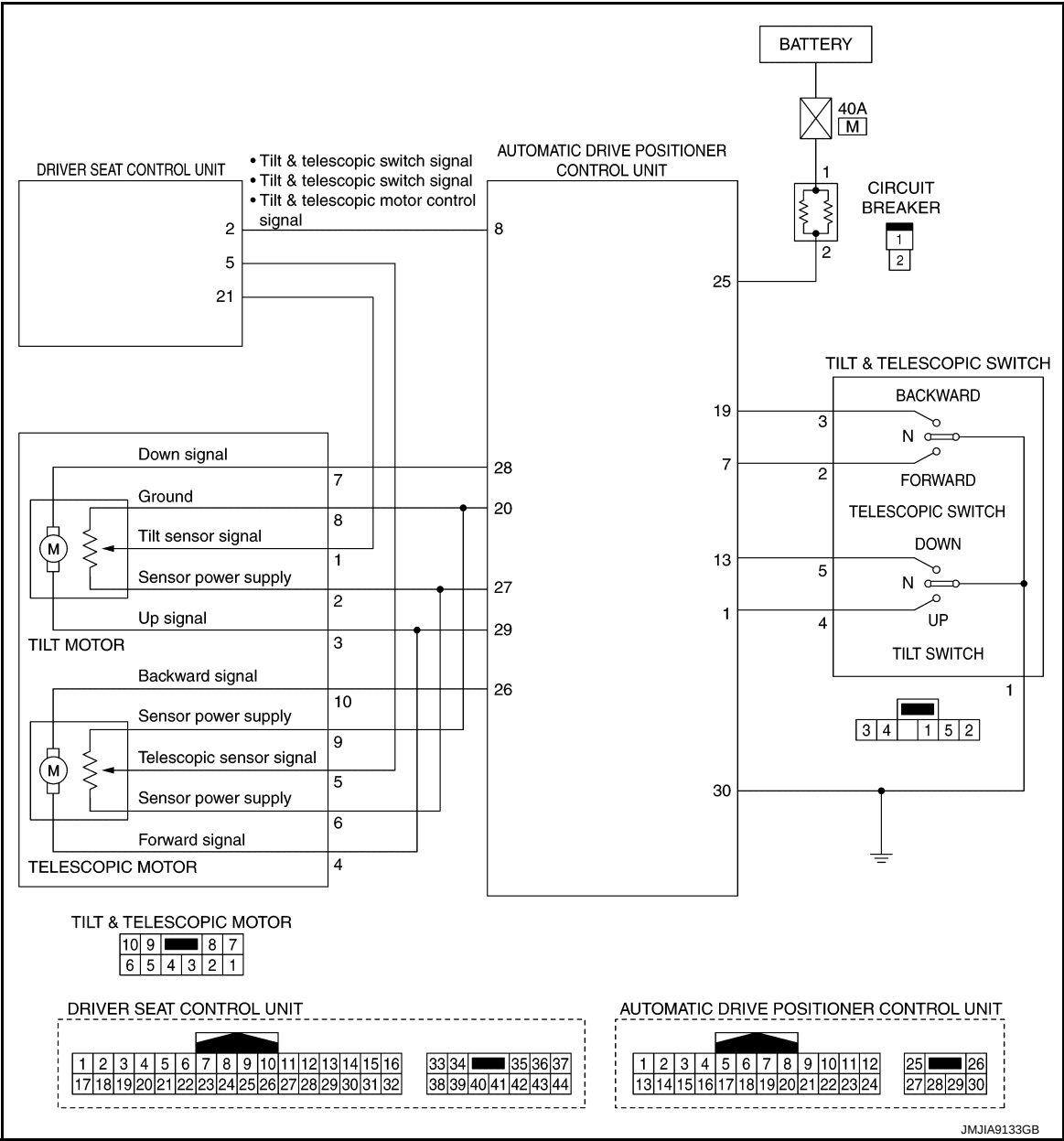
- Telescopic motor operates when tilt & telescopic switch is operated, and allows forward and backward position regulation of steering wheel.
- Telescopic sensor detects the position of steering wheel during telescopic motor operation, and automatically cuts the power when the operation limit is reached.

SYSTEM

< SYSTEM DESCRIPTION >

TILT & TELESCOPIC SYSTEM : Circuit Diagram

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HEATED SEAT SYSTEM

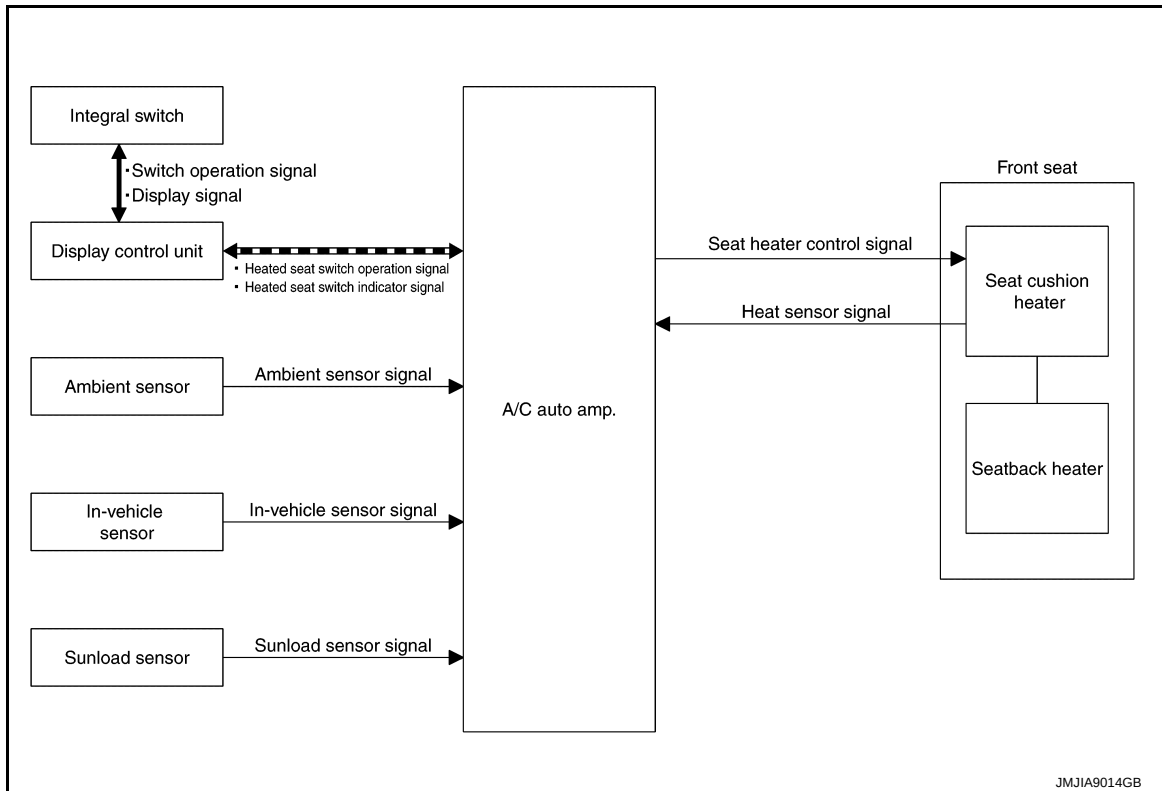
SYSTEM

< SYSTEM DESCRIPTION >

HEATED SEAT SYSTEM : System Description

INFOID:000000009641312

SYSTEM DIAGRAM



DESCRIPTION

- Heated seat system is activated by heated seat switch while ignition switch is ON, and has the function to warm seat cushion and seatback.
- There are two methods for operating the heated seat system: operation with the heated seat switch of the integral switch, and operation with the icon located in the display.
- The heated seat system operates in two modes: AUTO and Manual, which operates for the driver seat and passenger seat independently.
- The temperature of heated seat system can be set in three levels: Lo, Mid, or Hi.
- The status of heated seat system for driver seat and passenger seat can be checked using the integral switch display. Also, touching the operation status indicator in the display can change the temperature setting.

OPERATION DESCRIPTION

- When the heated seat switch of integral switch is operated, the display control unit receives a switch operation signal from integral switch.
- The display control unit transmits a heated seat switch operation signal to A/C auto amp. via CAN communication.
- When A/C auto amp. receives a heated seat switch operation signal, it operates the heated seat system.
- A/C auto amp operates the heated seat system and simultaneously sends the heated seat switch indicator signal to the display control unit via CAN communication.
- When the display control unit receives a heated seat switch indicator signal, it illuminates the indicator lamp on the heated seat switch of integral switch.

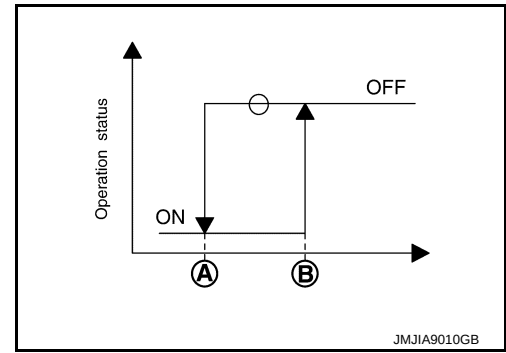
Manual Control

- The seatback heater and seat cushion heater are integrated with the heat sensors that detect the seat temperature. The heat sensors transmit the seat temperature as the heated seat signal to A/C auto amp.

SYSTEM

< SYSTEM DESCRIPTION >

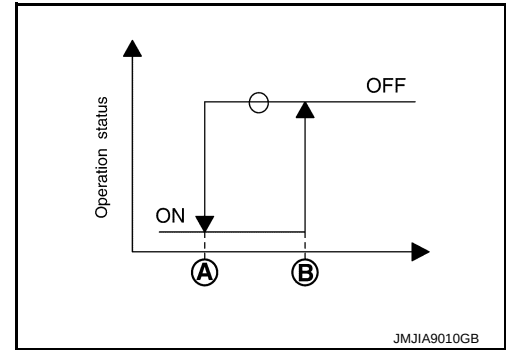
- The A/C auto amp. recognizes the seat temperature from heat sensor signal. It adjusts the seat temperature by stopping operation when the seat temperature reaches the operation stop temperature ㉠, and starting operation when the seat temperature reaches the operation start temperature ㉡.



Preset temperature	Temperature °C (°F)	
	Temperature at operation stop	Temperature at operation start
Lo	26.67 (80.0)	25.67 (78.2)
Mid	37.67 (99.8)	36.67 (98.0)
Hi	45 (113)	44 (111.2)

AUTO Control

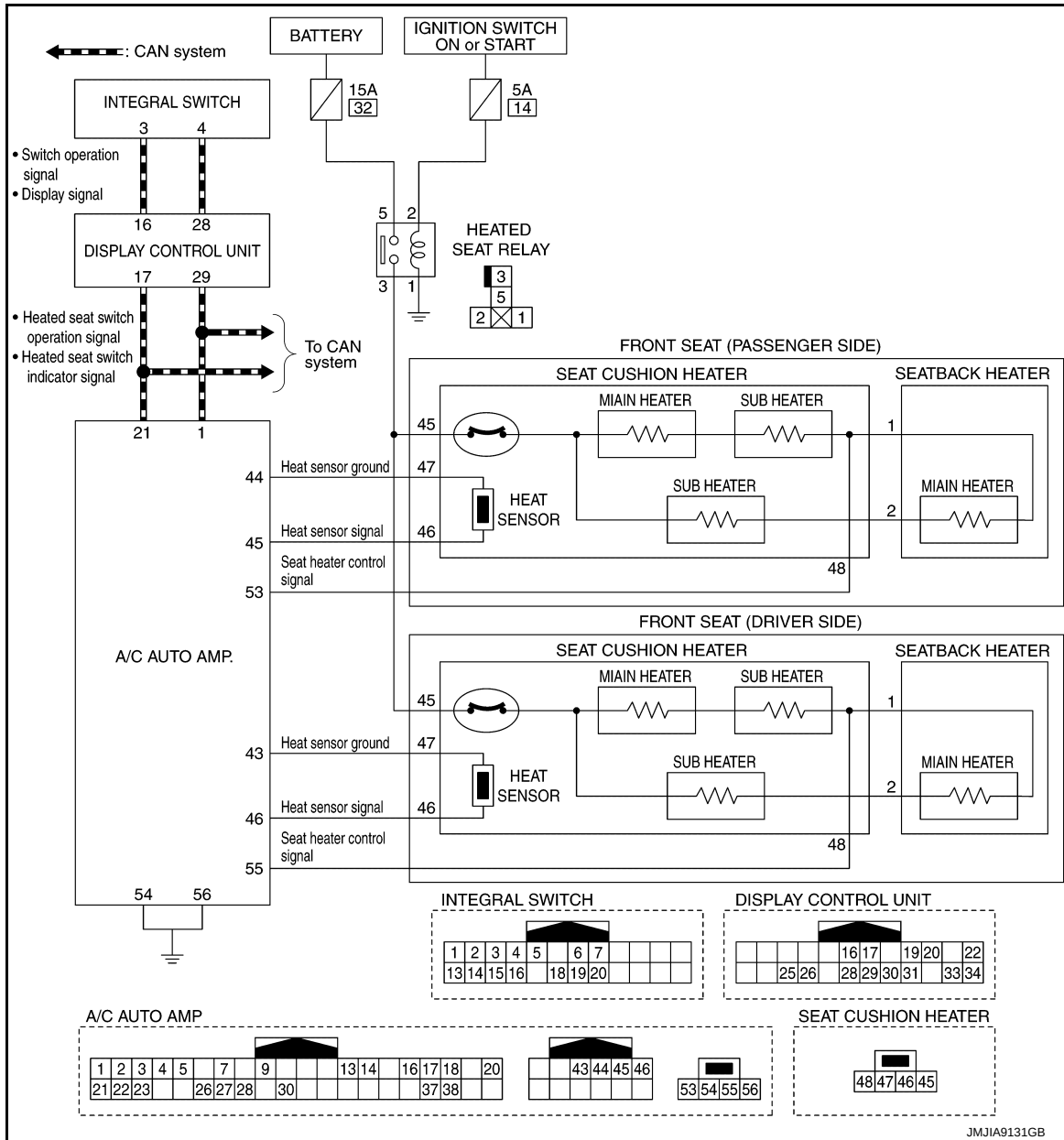
- The seatback heater and seat cushion heater are integrated with the heat sensors that detect the seat temperature. The heat sensors transmit the seat temperature as the heated seat signal to A/C auto amp.
- The A/C auto amp. recognizes the seat temperature from heat sensor signal. It adjusts the seat temperature by stopping operation when the seat temperature reaches the operation stop temperature ㉠, and starting operation when the seat temperature reaches the operation start temperature ㉡.



- The A/C auto amp. adjusts the seat temperature automatically based on the temperature felt by the customer, which is calculated from the in-vehicle temperature, ambient temperature, sunload, and seat temperature setting.

Preset temperature	Temperature °C (°F)		
	Heat sensor detection temperature	Temperature at operation stop	Temperature at operation start
AUTO	0 (0)	1 (33.8)	0 (0)
	36.67 (98.0)	1 (33.8)	0 (0)
	37 (98.6)	22 (71.6)	21.67 (71.0)
	38 (100.4)	26.67 (80.0)	26.34 (79.4)
	43 (109.4)	50 (122)	49.67 (121.4)

- Temperature setting during AUTO control can be performed by operating the integral switch display.



DRIVER SEAT CONTROL UNIT, AUTOMATIC DRIVE POSITIONER CONTROL UNIT, A/C AUTO AMP.

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DRIVER SEAT CONTROL UNIT, AUTOMATIC DRIVE POSITIONER CONTROL UNIT, A/C AUTO AMP.

List of ECU Reference

INFOID:0000000009760964

ECU		Reference
Driver seat control unit	Reference Value	ADP-34, "Reference Value"
	Fail-safe	ADP-40, "Fail-Safe"
	DTC Index	ADP-40, "DTC Index"
Automatic drive positioner control unit	Reference Value	ADP-42, "Reference Value"
A/C auto amp.	Reference Value	HAC-33, "Reference Value"
	Fail-safe	HAC-36, "Fail-safe"
	DTC Index	HAC-37, "DTC Index"

POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

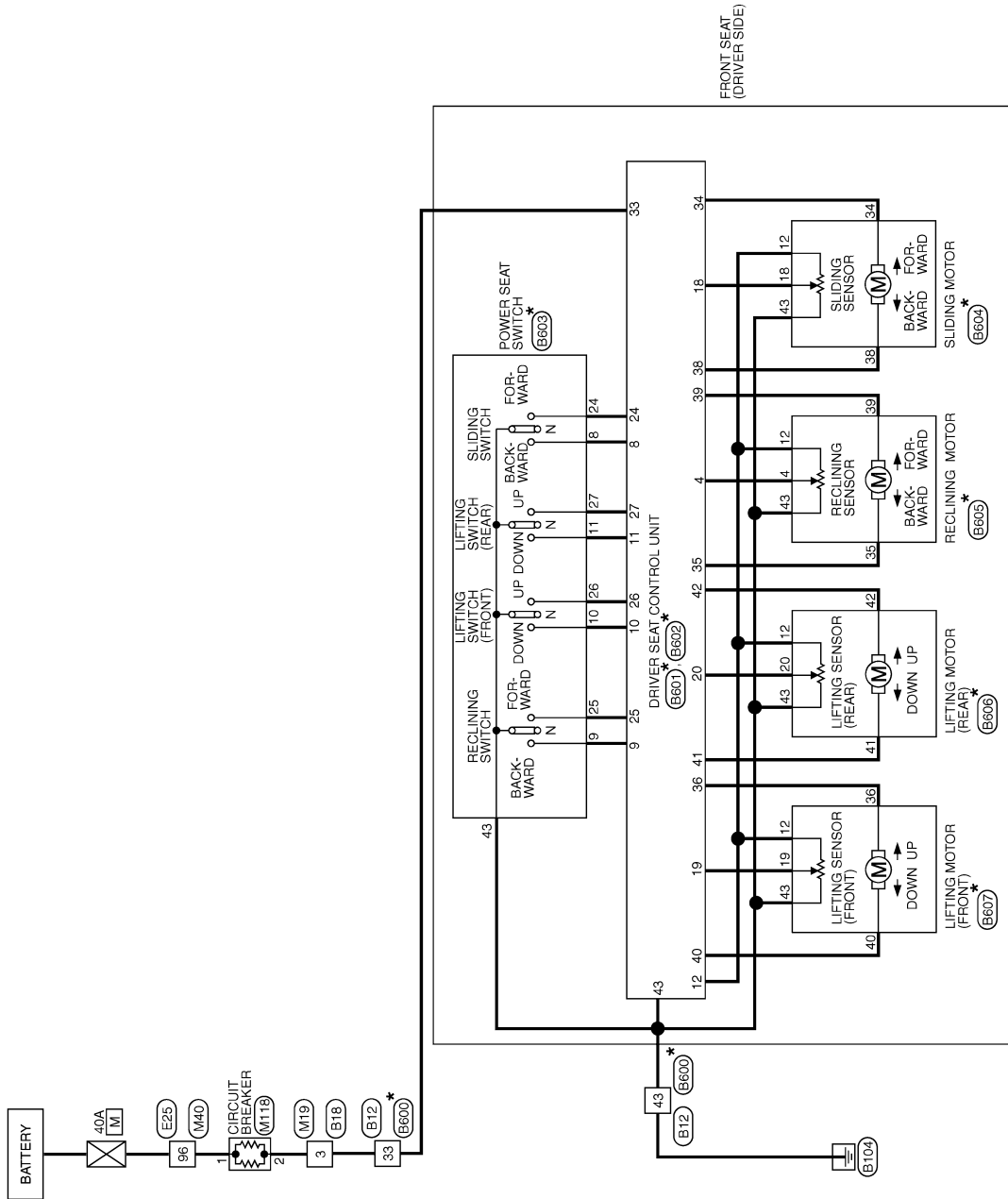
WIRING DIAGRAM

POWER SEAT CONTROL SYSTEM

Wiring Diagram (Driver Side Without Automatic Drive Positioner)

INFOID:000000009641313

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER



★: This connector is not shown in "Harness Layout".

2013/05/17

JRWJC1377GB

POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	INSIDEW-CS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	B602
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	INSIDEW-CS



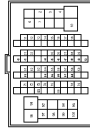
Connector No.	B604
Connector Name	SLIDING MOTOR
Connector Type	YAZAKI T123-1460



Connector No.	B606
Connector Name	LIFTING MOTOR (REAR)
Connector Type	YAZAKI T123-1460



Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	T188FHW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	SLIDE SW (BACKWARD)
34	R	SLIDE MOTOR (BACKWARD)
35	Y	RECLINER MOTOR (FORWARD)
36	O	TILT MOTOR (DOWNWARD)
38	P	SLIDE MOTOR (FORWARD)
39	W	RECLINER MOTOR (BACKWARD)
40	GY	TILT MOTOR (UPWARD)
41	L	REAR LIFTER MOTOR (UPWARD)
42	G	REAR LIFTER MOTOR (DOWNWARD)
43	B	GND

Connector No.	B603
Connector Name	POWER SEAT SWITCH
Connector Type	INSIDEW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
38	SB	SLIDE SW (BACKWARD)
39	SB	SLIDE MOTOR (BACKWARD)
41	L	RECLINER MOTOR (FORWARD)
42	G	TILT MOTOR (DOWNWARD)
43	B	GND

Connector No.	B605
Connector Name	RECLINING MOTOR
Connector Type	YAZAKI T123-1460



Terminal No.	Color Of Wire	Signal Name [Specification]
2	Y	SLIDE SW (BACKWARD)
3	L	SLIDE MOTOR (BACKWARD)
4	BR	RECLINER MOTOR (FORWARD)
6	V	TILT MOTOR (DOWNWARD)
7	L	SLIDE MOTOR (FORWARD)
10	BR	RECLINER MOTOR (BACKWARD)
11	L	TILT MOTOR (UPWARD)
12	GR	REAR LIFTER MOTOR (UPWARD)
13	W	REAR LIFTER MOTOR (DOWNWARD)
14	B	GND
15	SB	SLIDE SW (BACKWARD)
16	Y	SLIDE MOTOR (BACKWARD)
17	BR	RECLINER MOTOR (BACKWARD)
18	V	TILT MOTOR (DOWNWARD)
32	GR	REAR LIFTER MOTOR (UPWARD)
35	GR	REAR LIFTER MOTOR (DOWNWARD)
36	R	SLIDE MOTOR (FORWARD)
37	V	SLIDE MOTOR (FORWARD)
38	L	RECLINER MOTOR (BACKWARD)
39	Y	RECLINER MOTOR (FORWARD)
40	SB	SLIDE SW (BACKWARD)
41	LG	RECLINER MOTOR (FORWARD)
44	Y	SLIDE MOTOR (BACKWARD)
45	W	RECLINER MOTOR (BACKWARD)
46	B	GND
47	G	SLIDE MOTOR (FORWARD)
48	SHIELD	SHIELD
49	BR	RECLINER MOTOR (BACKWARD)
51	B	GND
52	W	RECLINER MOTOR (FORWARD)
53	V	TILT MOTOR (DOWNWARD)
54	P	SLIDE MOTOR (FORWARD)
55	W	RECLINER MOTOR (BACKWARD)
56	SB	SLIDE SW (BACKWARD)

Terminal No.	Color Of Wire	Signal Name [Specification]
12	SB	SLIDE SW (BACKWARD)
19	W	RECLINER MOTOR (BACKWARD)
38	O	TILT MOTOR (DOWNWARD)
40	GY	TILT MOTOR (UPWARD)
43	B	GND

Terminal No.	Color Of Wire	Signal Name [Specification]
4	P	SLIDE MOTOR (FORWARD)
12	SB	SLIDE SW (BACKWARD)
35	Y	RECLINER MOTOR (FORWARD)
39	W	RECLINER MOTOR (BACKWARD)
43	B	GND

Terminal No.	Color Of Wire	Signal Name [Specification]
8	V	SLIDE SW (BACKWARD)
9	W	RECLINER SW (BACKWARD)
10	G	RECLINER SW (FORWARD)
11	GB	LIFTER SW (DOWNWARD)
24	P	SLIDE SW (FORWARD)
25	Y	RECLINER SW (FORWARD)
26	GY	TILT SW (UPWARD)
27	L	LIFTER SW (UPWARD)
43	B	GND

JRJWC1379GB

POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

Terminal No.	Color Of Wire	Signal Name [Specification]
57	BR	-
58	W	-
59	W	-
60	W	-
61	R	-
62	Y	-
63	SB	-
64	Y	-
65	SB	-
66	GR	-
67	LG	-
68	EG	-
69	W	-
70	LG	-
71	LG	-
72	V	-
73	G	-
74	BR	-
75	V	-
76	P	-
77	SB	-
78	SB	-
79	SB	-
80	EG	-
81	G	-
82	Y	-
83	GR	-
84	GR	-
85	EG	-
86	W	-
87	LG	-
88	L	-
89	P	-
90	P	-
91	SHIELD	-

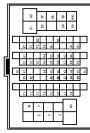
Connector No.	IM19
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSE-TM4



HS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	G	-
3	SB	-
4	BR	-
5	R	-
6	R	-
7	W	-
8	V	-

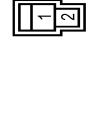
Connector No.	IM40
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSE-TM4



HS

Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	L	-
4	V	-
5	G	-
6	W/B	-
7	V	-
8	W	-
9	W	-
10	W	-
11	W	-
12	B	-
13	GR	-
14	B	-
15	SB	-
16	B	-
17	LG	-
18	B	-
19	V	-
20	EG	-
21	EG	-
22	W	-
23	EG	-
24	W	-
25	W	-
26	W	-
27	W	-
28	W	-
29	W	-
30	W	-
31	W	-
32	W	-
33	W	-
34	W	-
35	W	-
36	W	-
37	W	-
38	W	-
39	W	-
40	W	-
41	W	-
42	W	-
43	W	-
44	W	-
45	W	-
46	W	-
47	W	-
48	W	-
49	W	-
50	W	-
51	W	-
52	W	-
53	W	-
54	W	-
55	W	-
56	W	-
57	W	-
58	W	-
59	W	-
60	W	-
61	W	-
62	W	-
63	W	-
64	W	-
65	W	-
66	W	-
67	W	-
68	W	-
69	W	-
70	W	-
71	W	-
72	W	-
73	W	-
74	W	-
75	W	-
76	W	-
77	W	-
78	W	-
79	W	-
80	W	-
81	W	-
82	W	-
83	W	-
84	W	-
85	W	-
86	W	-
87	W	-
88	W	-
89	W	-
90	W	-
91	W	-
92	W	-
93	W	-
94	W	-
95	W	-
96	W	-
97	W	-
98	W	-
99	W	-
100	W	-

Connector No.	M118
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



HS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SB	-

JRJWC1380GB

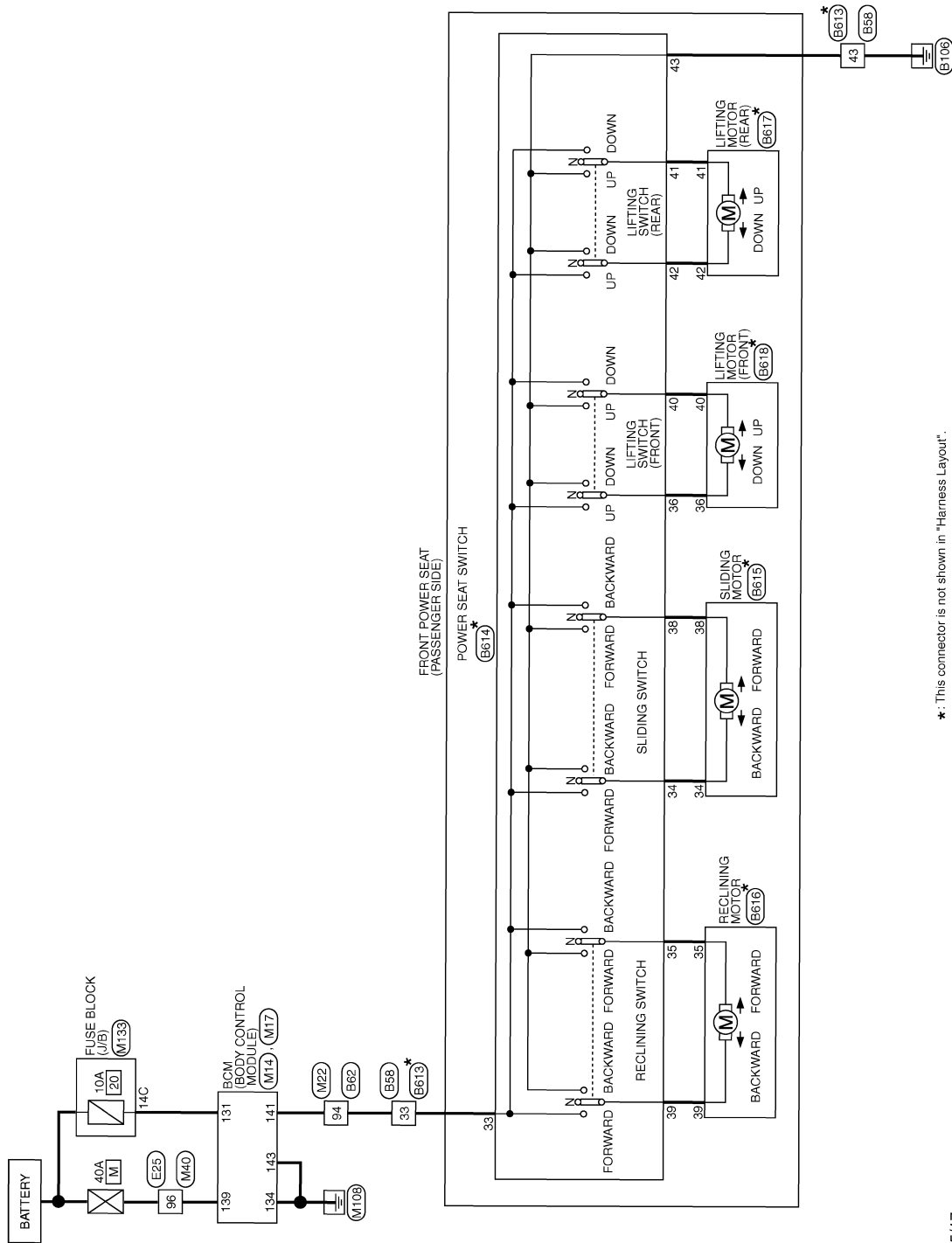
POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

Wiring Diagram (Passenger Side)

INFOID:000000009803430

POWER SEAT FOR PASSENGER SIDE



*: This connector is not shown in "Harness Layout".

2013/05/17

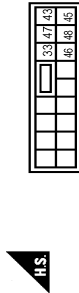
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POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

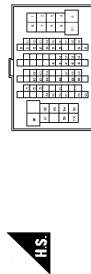
POWER SEAT FOR PASSENGER SIDE

Connector No.	B88
Connector Name	WIRE TO WIRE
Connector Type	NS10PW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	-
34	B	-
43	G	-
44	G	-
45	R	-
46	R	-
47	BR	-
48	V	-

Connector No.	B82
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	R	- [With BOSE system]
3	W	- [Without BOSE system]
4	SHIELD	-
5	G	-
6	W	-
7	BR	- [Without BOSE system]
7	W	- [With BOSE system]
8	B	- [Without BOSE system]
8	Y	- [With BOSE system]
9	SHIELD	-
10	V	-

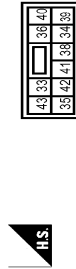
32	W	-
33	R	-
34	R	-
35	Y	-
36	W	-
37	L	-
39	BR	-
100	BR	-

Connector No.	B813
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
33	-	-
43	-	-
45	-	-
46	-	-
47	-	-
48	-	-

Connector No.	B814
Connector Name	POWER SEAT SWITCH
Connector Type	NS10PW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
33	-	-
34	-	-
35	-	-

38	-	-
39	-	-
40	-	-
41	-	-
42	-	-
43	-	-

Connector No.	B815
Connector Name	SLIDING MOTOR
Connector Type	YAZAKI 7123-1460



Terminal No.	Color Of Wire	Signal Name [Specification]
34	-	-
38	-	-

Connector No.	B816
Connector Name	RECLINING MOTOR
Connector Type	YAZAKI 7122-1460



Terminal No.	Color Of Wire	Signal Name [Specification]
35	-	-
39	-	-

POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR PASSENGER SIDE

Connector No.	B617
Connector Name	LIFTING MOTOR (REAR)
Connector Type	YAZAKI 7123-1460



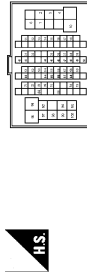
Terminal No.	Color Of Wire	Signal Name [Specification]
42	-	-

Connector No.	B618
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	YAZAKI 7123-1460



Terminal No.	Color Of Wire	Signal Name [Specification]
36	-	-
40	-	-

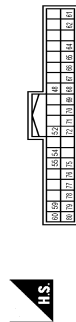
Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	LG	-
3	BR	-
4	BR	-
5	Y	-
6	V	-
7	L	-
8	GR	-
9	Y	-
10	BR	-
11	L	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	Y	-
19	Y	-
20	GR	-
21	GR	-
22	R	-
23	V	-
24	Y	-
25	Y	-
26	SB	-
27	LG	-
28	W	-
29	Y	-
30	B	-
31	SB	-
32	W	-
33	Y	-
34	P	-
35	P	-
36	L	-
37	GR	-
38	R	-
39	Y	-
40	SB	-
41	LG	-
42	Y	-
43	W	-
44	B	-
45	SB	-
46	Y	-
47	G	-
48	SHIELD	-
49	BR	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-

57	BG	-
58	R	-
59	W	-
60	R	-
61	Y	-
62	Y	-
63	SB	-
64	GR	-
65	GR	-
66	LG	-
67	LG	-
68	BG	-
69	W	-
70	V	-
71	G	-
72	Y	-
73	G	-
74	GR	-
75	V	-
76	Y	-
77	SB	-
78	SB	-
79	LG	-
80	R	-
81	GR	-
82	Y	-
83	Y	-
84	GR	-
85	BG	-
86	W	-
87	LG	-
88	L	-
89	P	-
90	P	-
91	SHIELD	-

Connector No.	M4
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	TH80FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	PUSH-ETN IGN SWILL PWR
2	G	DOUBLE LNK
3	V	RAIN SENSOR
4	R	CAN-L
5	P	CAN-H
6	L	CAN-H
7	G	REAR WINDOW DEF RLY CONT

62	R	STARTER RLY CONT
63	V	KEY WDRN BUZZER
64	B	OUTS HD LAMP CONT
65	B	BLUWER FAN RLY CONT
66	B	W/B
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPly
70	B	IGN RLYAY (PDM E/R) CONT
71	G	DR DOOR REG SW
72	SB	PASS DOOR REG SW
73	BR	COMBI SW INPUT 5
74	BR	COMBI SW INPUT 4
75	Y	COMBI SW INPUT 3
76	Y	COMBI SW INPUT 2
77	Y	COMBI SW INPUT 1
78	LG	TR LID OPEN SW
79	L	-

Connector No.	M17
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FH46-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
129	LG	INT ROOM LAMP PWR SPly
130	P	PASS DOOR UNLK OUTPUT
131	Y	BAT (FUSE)
132	V	RR RL DOOR LK OUTPUT
133	BR	RR RL DOOR UNLK OUTPUT
134	B	GND
135	V	FRONT DOOR FL LID LK OUTPUT
136	V	INT ROOM LAMP CONT
137	LG	FRONT DOOR FL LID UNLK OUTPUT
138	P	REAR DOORS ACT PWR SPly
139	V	IGN ON
140	R	PWR SPly (BAT)
141	R	FRONT DOORS FL LID ACT PWR SPly
142	B	GND
143	B	GND

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POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR PASSENGER SIDE

Connector No.	WIRE
M22	WIRE TO WIRE
Connector Name	TH80MM-CS16-TM4
Connector Type	

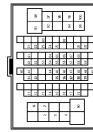


Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	SHIELD	-
4	SHIELD	-
5	B	-
6	B	-
7	LG	-
8	P	-
9	SHIELD	-
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	P	-
16	SP	-
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
22	W	-
23	L	-
24	V	-
25	LG	-
26	GR	-
29	SB	-
30	LG	-
37	S	-
38	W	-
39	V	-
45	G	-
46	SHIELD	-
47	G	-



Terminal No.	Color Of Wire	Signal Name [Specification]
48	BR	-
49	B	-
53	Y	-
54	R	-
57	R	-
58	SB	-
59	LG	-
62	V	-
63	L	-
64	W	-
66	R	-
68	L	-
69	P	-
71	G	-
72	G	-
73	SHIELD	-
76	V	-
84	BR	-
85	BR	-
86	V	-
87	LG	-
89	BR	-
90	V	-
92	W	-
93	R	-
94	R	-
95	Y	-
99	W	-
100	BR	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
74	BR	-
75	B	-
78	G	-
79	R	-
83	R	-
86	V	-
91	W	-
92	R	-
94	B	-
95	BR	-
96	W	-
97	LG	-
98	Y	-
99	BR	-
100	SHIELD	-

Connector No.	M133
Connector Name	FUSE BLOCK (J B)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
100	V	-
110	V	-
130	L	-
140	Y	-
150	R	-
160	R	-
170	L	-
180	B	-
180	P	-
180	B	-
200	W	-
210	L	-
220	L	-
230	L	-
240	LG	-
260	SB	-
270	P	-
280	W	-
290	W	-

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POWER SEAT CONTROL SYSTEM

< WIRING DIAGRAM >

POWER SEAT FOR PASSENGER SIDE

32C	R	-
33C	R	-
34C	W	-
35C	R	-
36C	B	-
37C	W/B	-
38C	SB	-
39C	R	-
40C	W	-
41C	SB	-
42C	V	-
43C	P	-
44C	G	-
45C	P	-
46C	D	-
47C	G	-
48C	V	-

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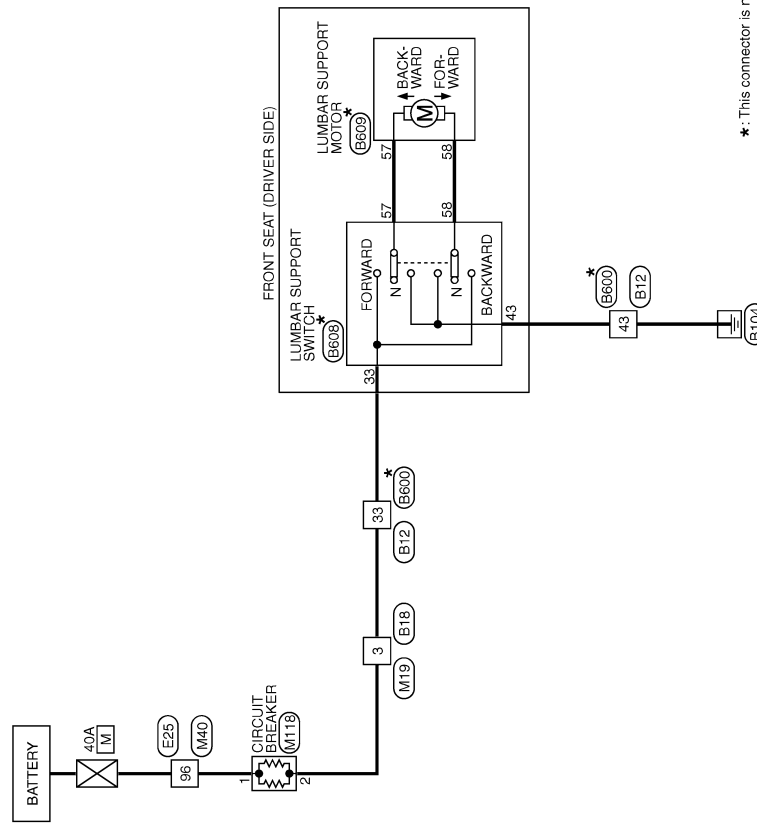
LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

LUMBAR SUPPORT SYSTEM

Wiring Diagram

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LUMBAR SUPPORT

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LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

LUMBAR SUPPORT

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



23	21	5	2	43	1	17
28	7	33	22	45	6	47
48						

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	LG	-
3	P	-
4	P	-
5	P	-
6	V	-
7	P	-
17	P	- [Without Gateway]
17	R	- [With Gateway]
21	EG	-
22	BR	-
23	EG	-
28	R	-
33	L	-
43	B	-
45	G	-
46	EG	-
47	G	-
48	GR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-CS16-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-

4	LG	-
6	R	-
7	V	-
8	LG	-
9	BR	-
10	P	-
11	BG	-
12	LG	-
13	GR	-
24	Y	-
25	W	-
31	B	-
32	B	-
33	B	-
34	G	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	EG	-
44	EG	-
46	R	-
51	SB	-
52	V	-
54	R	-
57	R	-
58	W	-
59	V	-
59	GR	-
62	BG	-
63	BR	-
64	Y	-
65	W	-
70	R	-
71	W	-
72	B	-
74	L	-
75	V	-
76	BR	-
77	B	-
81	B	-
83	BG	-
84	L	-
85	V	-
86	B	-
88	G	-

01	GR	-
04	GR	-
06	Y	-
37	V	-
39	BR	-



58	57	43	33
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Connector No.	B600
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



17	1	43	2	5	21	28
46	48	47	6	45	22	33
7	23					

Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	-
43	R	-
57	G	-
58	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
5	-	-
6	-	-
7	-	-
17	-	-
21	-	-
28	-	-
33	-	-
38	-	-
43	-	-
45	-	-
46	-	-
47	-	-
48	-	-

Connector No.	B809
Connector Name	LUMBAR SUPPORT MOTOR
Connector Type	TE80FW-IV



58	57
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Terminal No.	Color Of Wire	Signal Name [Specification]
57	G	-
58	Y	-

JRJWC1387GB

LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

LUMBAR SUPPORT

Connector No.	E23
Connector Name	WIRE TO WIRE
Connector Type	TH80MF-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
5	SB	-
6	V	-
7	L	-
10	BR	-
11	L	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
37	V	-
38	L	-
39	Y	-
40	SB	-
41	LG	-
44	Y	-
45	W	-
46	B	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	G	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-

57	BG	-
58	W	-
59	W	-
61	R	-
64	Y	-
65	SB	-
66	GR	-
67	LG	-
68	BG	-
71	LG	-
72	V	-
73	G	-
74	BR	-
75	V	-
78	SB	-
83	R	-
86	BG	-
87	G	-
92	Y	-
94	GR	-
95	BG	-
96	W	-
97	LG	-
98	L	-
99	P	-
100	SHIELD	-

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MF-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	SB	-
4	BR	-
6	R	-
7	W	-
8	V	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80MF-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	V	-
6	W/B	-
7	V	-
10	W	-
11	W	-
12	B	-
13	GR	-
14	B	-
15	SB	-
16	B	-
17	LG	-
18	B	-
31	W	-
32	V	-
35	BG	-
36	G	-
37	B	-
38	L	-
39	Y	-
40	GR	-
41	L	-
44	BR	-
45	W	-
46	G	-
47	R	-
48	SHIELD	-
49	B	-
50	BR	-
51	G	-
52	W	-
53	G	-
54	Y	-
55	P	-
56	BG	-

9	BR	-
11	BR	-
12	LG	-
13	GR	-
24	Y	-
25	W	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
41	G	-
42	GR	-
43	BR	-
44	BR	-
46	BG	-
51	Y	-
52	V	-
54	R	-
55	R	-
57	W	-
58	V	-
59	BG	-
62	BG	-
64	V	-
65	W	-
71	W	-
72	B	-
74	L	-
75	W	-
76	BR	-
77	B	-
81	B	-
83	BG	-
84	L	-
85	W	-
88	G	-
81	GR	-
84	GR	-
96	W	-
97	V	-
98	BR	-

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LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

LUMBAR SUPPORT	
57	GR
58	R
59	SB
60	W/B
61	W/B
64	Y
65	R
66	V
67	LG
68	BG
71	V
72	LG
73	R
74	BR
75	R
76	G
79	R
83	R
86	V
91	W
92	R
94	BG
95	BR
96	W
97	LG
98	Y
99	BR
100	SHIELD

Connector No.	M11B
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SB	-

SIDE SUPPORT SYSTEM

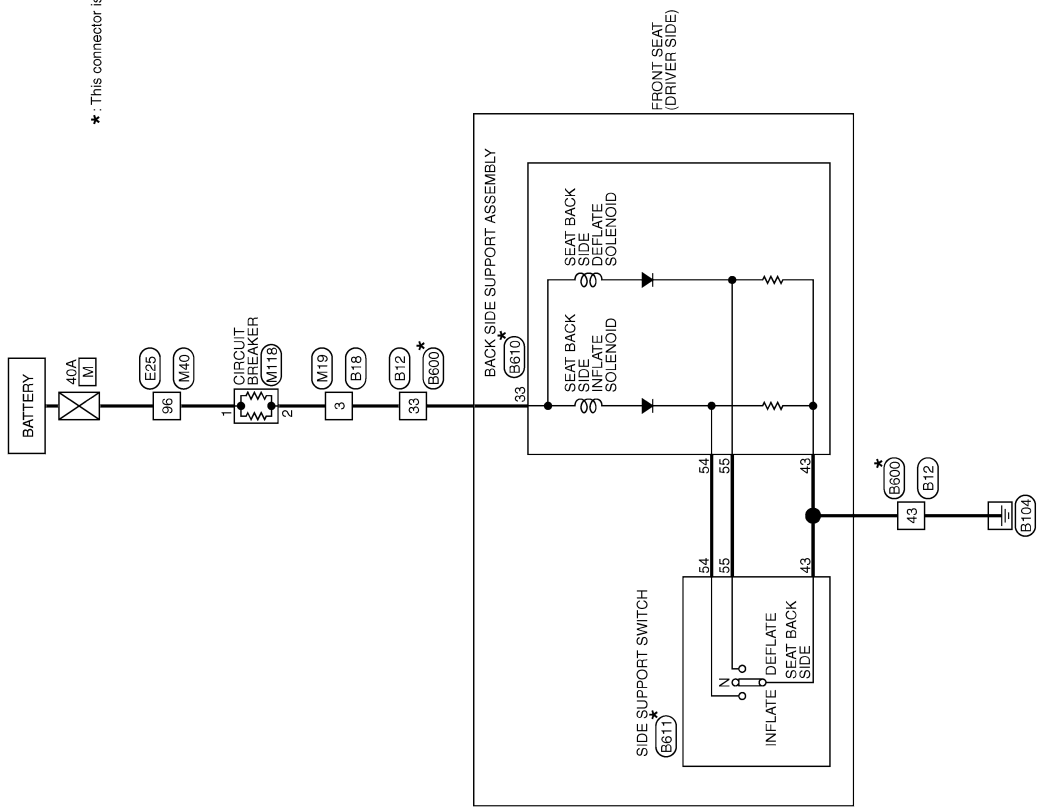
< WIRING DIAGRAM >

SIDE SUPPORT SYSTEM

Wiring Diagram

INFOID:000000009641315

*: This connector is not shown in "Harness Layout".



SIDE SUPPORT

2013/05/17

JRJWC1390GB

SIDE SUPPORT SYSTEM

< WIRING DIAGRAM >

SIDE SUPPORT

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	NSDBFV-CS



28	21	5	2			43	1	17
23	7	33	22	45	6	47	48	46

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	LG	-
5	P	-
6	V	-
7	P	-
17	P	- [Without Gateway]
17	R	- [With Gateway]
21	BG	-
22	BR	-
23	BG	-
28	R	-
33	L	-
43	B	-
45	G	-
46	BG	-
47	R	-
48	GR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH88DFV-CS1P-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-

1	LG	-
6	V	-
7	Y	-
8	LG	-
9	BR	-
10	P	-
11	BG	-
12	LG	-
13	GR	-
24	Y	-
25	W	-
31	B	-
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
51	SB	-
52	V	-
54	R	-
55	R	-
57	V	-
58	V	-
59	GR	-
62	BG	-
63	BR	-
64	Y	-
65	W	-
70	R	-
71	W	-
72	B	-
74	L	-
75	V	-
76	BR	-
77	B	-
81	B	-
83	BG	-
84	L	-
85	V	-
86	B	-
88	G	-

91	GR	-
94	GR	-
97	V	-
98	BR	-

Connector No.	B600
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



17	1	43		2	5	21	28	
46	48	47	6	45	22	33	7	23

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
5	-	-
6	-	-
7	-	-
17	-	-
21	-	-
22	-	-
23	-	-
33	-	-
43	-	-
45	-	-
46	-	-
47	-	-
48	-	-

Connector No.	B810
Connector Name	BACK SIDE SUPPORT ASSEMBLY
Connector Type	NS08FH-CS



55	33	43
----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
33	-	-
43	-	-
54	-	-
55	-	-

Connector No.	B811
Connector Name	SIDE SUPPORT SWITCH
Connector Type	Q4MB



43	55	54
----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
43	B	-
54	BR	-
55	W	-

SIDE SUPPORT SYSTEM

< WIRING DIAGRAM >

SIDE SUPPORT

Connector No.	E25
Connector Name	WIPE TO WIRE
Connector Type	TH80MH-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
6	V	-
7	L	-
10	BR	-
11	L	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
38	L	-
39	Y	-
40	SB	-
41	LG	-
44	Y	-
45	W	-
46	B	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-

Connector No.	M19
Connector Name	WIPE TO WIRE
Connector Type	TH80MH-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
4	BR	-
6	R	-
7	W	-
8	V	-

9	BR	-
10	P	-
11	BR	-
12	LG	-
14	Y	-
15	SB	-
16	W	-
17	GR	-
18	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BQ	-
51	Y	-
52	V	-
54	R	-
55	R	-
57	W	-
58	V	-
59	EG	-
62	EG	-
63	BR	-
64	Y	-
65	LG	-
71	W	-
72	B	-
74	L	-
75	W	-
76	BR	-
77	B	-
81	B	-
83	BQ	-
84	L	-
85	W	-
86	B	-
89	G	-
91	GR	-
94	GR	-
95	W	-
97	V	-
98	BR	-

Connector No.	M40
Connector Name	WIPE TO WIRE
Connector Type	TH80MH-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	L	-
4	V	-
6	W/B	-
7	V	-
10	W	-
11	W	-
12	B	-
13	GR	-
14	B	-
15	SB	-
16	B	-
17	LG	-
18	B	-
31	W	-
32	V	-
35	EG	-
36	G	-
38	L	-
39	Y	-
40	GR	-
41	L	-
44	BR	-
45	W	-
46	G	-
47	R	-
48	SHIELD	-
49	B	-
50	BR	-
51	L	-
52	W	-
53	G	-
54	Y	-
55	P	-
56	EG	-

JRJWC1392GB

A
B
C
D
E
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H
I
SE
K
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M
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P

SIDE SUPPORT SYSTEM

< WIRING DIAGRAM >

SIDE SUPPORT

87	GR	-
88	B	-
89	SB	-
90	WB	-
91	Y	-
92	R	-
93	V	-
94	LG	-
95	BG	-
96	V	-
97	R	-
98	W	-
99	LG	-
100	Y	-
101	SB	-
102	WB	-
103	B	-
104	GR	-
105	Y	-
106	R	-
107	V	-
108	LG	-
109	BG	-
110	W	-
111	WB	-
112	SB	-
113	GR	-
114	B	-
115	SB	-
116	WB	-
117	Y	-
118	R	-
119	V	-
120	LG	-
121	BG	-
122	W	-
123	WB	-
124	SB	-
125	GR	-
126	B	-
127	SB	-
128	WB	-
129	Y	-
130	R	-
131	V	-
132	LG	-
133	BG	-
134	W	-
135	WB	-
136	SB	-
137	GR	-
138	B	-
139	SB	-
140	WB	-
141	Y	-
142	R	-
143	V	-
144	LG	-
145	BG	-
146	W	-
147	WB	-
148	SB	-
149	GR	-
150	B	-
151	SB	-
152	WB	-
153	Y	-
154	R	-
155	V	-
156	LG	-
157	BG	-
158	W	-
159	WB	-
160	SB	-
161	GR	-
162	B	-
163	SB	-
164	WB	-
165	Y	-
166	R	-
167	V	-
168	LG	-
169	BG	-
170	W	-
171	WB	-
172	SB	-
173	GR	-
174	B	-
175	SB	-
176	WB	-
177	Y	-
178	R	-
179	V	-
180	LG	-
181	BG	-
182	W	-
183	WB	-
184	SB	-
185	GR	-
186	B	-
187	SB	-
188	WB	-
189	Y	-
190	R	-
191	V	-
192	LG	-
193	BG	-
194	W	-
195	WB	-
196	SB	-
197	GR	-
198	B	-
199	SB	-
200	WB	-
201	Y	-
202	R	-
203	V	-
204	LG	-
205	BG	-
206	W	-
207	WB	-
208	SB	-
209	GR	-
210	B	-
211	SB	-
212	WB	-
213	Y	-
214	R	-
215	V	-
216	LG	-
217	BG	-
218	W	-
219	WB	-
220	SB	-
221	GR	-
222	B	-
223	SB	-
224	WB	-
225	Y	-
226	R	-
227	V	-
228	LG	-
229	BG	-
230	W	-
231	WB	-
232	SB	-
233	GR	-
234	B	-
235	SB	-
236	WB	-
237	Y	-
238	R	-
239	V	-
240	LG	-
241	BG	-
242	W	-
243	WB	-
244	SB	-
245	GR	-
246	B	-
247	SB	-
248	WB	-
249	Y	-
250	R	-
251	V	-
252	LG	-
253	BG	-
254	W	-
255	WB	-
256	SB	-
257	GR	-
258	B	-
259	SB	-
260	WB	-
261	Y	-
262	R	-
263	V	-
264	LG	-
265	BG	-
266	W	-
267	WB	-
268	SB	-
269	GR	-
270	B	-
271	SB	-
272	WB	-
273	Y	-
274	R	-
275	V	-
276	LG	-
277	BG	-
278	W	-
279	WB	-
280	SB	-
281	GR	-
282	B	-
283	SB	-
284	WB	-
285	Y	-
286	R	-
287	V	-
288	LG	-
289	BG	-
290	W	-
291	WB	-
292	SB	-
293	GR	-
294	B	-
295	SB	-
296	WB	-
297	Y	-
298	R	-
299	V	-
300	LG	-
301	BG	-
302	W	-
303	WB	-
304	SB	-
305	GR	-
306	B	-
307	SB	-
308	WB	-
309	Y	-
310	R	-
311	V	-
312	LG	-
313	BG	-
314	W	-
315	WB	-
316	SB	-
317	GR	-
318	B	-
319	SB	-
320	WB	-
321	Y	-
322	R	-
323	V	-
324	LG	-
325	BG	-
326	W	-
327	WB	-
328	SB	-
329	GR	-
330	B	-
331	SB	-
332	WB	-
333	Y	-
334	R	-
335	V	-
336	LG	-
337	BG	-
338	W	-
339	WB	-
340	SB	-
341	GR	-
342	B	-
343	SB	-
344	WB	-
345	Y	-
346	R	-
347	V	-
348	LG	-
349	BG	-
350	W	-
351	WB	-
352	SB	-
353	GR	-
354	B	-
355	SB	-
356	WB	-
357	Y	-
358	R	-
359	V	-
360	LG	-
361	BG	-
362	W	-
363	WB	-
364	SB	-
365	GR	-
366	B	-
367	SB	-
368	WB	-
369	Y	-
370	R	-
371	V	-
372	LG	-
373	BG	-
374	W	-
375	WB	-
376	SB	-
377	GR	-
378	B	-
379	SB	-
380	WB	-
381	Y	-
382	R	-
383	V	-
384	LG	-
385	BG	-
386	W	-
387	WB	-
388	SB	-
389	GR	-
390	B	-
391	SB	-
392	WB	-
393	Y	-
394	R	-
395	V	-
396	LG	-
397	BG	-
398	W	-
399	WB	-
400	SB	-
401	GR	-
402	B	-
403	SB	-
404	WB	-
405	Y	-
406	R	-
407	V	-
408	LG	-
409	BG	-
410	W	-
411	WB	-
412	SB	-
413	GR	-
414	B	-
415	SB	-
416	WB	-
417	Y	-
418	R	-
419	V	-
420	LG	-
421	BG	-
422	W	-
423	WB	-
424	SB	-
425	GR	-
426	B	-
427	SB	-
428	WB	-
429	Y	-
430	R	-
431	V	-
432	LG	-
433	BG	-
434	W	-
435	WB	-
436	SB	-
437	GR	-
438	B	-
439	SB	-
440	WB	-
441	Y	-
442	R	-
443	V	-
444	LG	-
445	BG	-
446	W	-
447	WB	-
448	SB	-
449	GR	-
450	B	-
451	SB	-
452	WB	-
453	Y	-
454	R	-
455	V	-
456	LG	-
457	BG	-
458	W	-
459	WB	-
460	SB	-
461	GR	-
462	B	-
463	SB	-
464	WB	-
465	Y	-
466	R	-
467	V	-
468	LG	-
469	BG	-
470	W	-
471	WB	-
472	SB	-
473	GR	-
474	B	-
475	SB	-
476	WB	-
477	Y	-
478	R	-
479	V	-
480	LG	-
481	BG	-
482	W	-
483	WB	-
484	SB	-
485	GR	-
486	B	-
487	SB	-
488	WB	-
489	Y	-
490	R	-
491	V	-
492	LG	-
493	BG	-
494	W	-
495	WB	-
496	SB	-
497	GR	-
498	B	-
499	SB	-
500	WB	-
501	Y	-
502	R	-
503	V	-
504	LG	-
505	BG	-
506	W	-
507	WB	-
508	SB	-
509	GR	-
510	B	-
511	SB	-
512	WB	-
513	Y	-
514	R	-
515	V	-
516	LG	-
517	BG	-
518	W	-
519	WB	-
520	SB	-
521	GR	-
522	B	-
523	SB	-
524	WB	-
525	Y	-
526	R	-
527	V	-
528	LG	-
529	BG	-
530	W	-
531	WB	-
532	SB	-
533	GR	-
534	B	-
535	SB	-
536	WB	-
537	Y	-
538	R	-
539	V	-
540	LG	-
541	BG	-
542	W	-
543	WB	-
544	SB	-
545	GR	-
546	B	-
547	SB	-
548	WB	-
549	Y	-
550	R	-
551	V	-
552	LG	-
553	BG	-
554	W	-
555	WB	-
556	SB	-
557	GR	-
558	B	-
559	SB	-
560	WB	-
561	Y	-
562	R	-
563	V	-
564	LG	-
565	BG	-
566	W	-
567	WB	-
568	SB	-
569	GR	-
570	B	-
571	SB	-
572	WB	-
573	Y	-
574	R	-
575	V	-
576	LG	-
577	BG	-
578	W	-
579	WB	-
580	SB	-
581	GR	-
582	B	-
583	SB	-
584	WB	-
585	Y	-
586	R	-
587	V	-
588	LG	-
589	BG	-
590	W	-
591	WB	-
592	SB	-
593	GR	-
594	B	-
595	SB	-
596	WB	-
597	Y	-
598	R	-
599	V	-
600	LG	-
601	BG	-
602	W	-
603	WB	-
604	SB	-
605	GR	-
606	B	-
607	SB	-
608	WB	-
609	Y	-
610	R	-
611	V	-
612	LG	-
613	BG	-
614	W	-
615	WB	-
616	SB	-
617	GR	-
618	B	-
619	SB	-
620	WB	-
621	Y	-
622	R	-
623	V	-
624	LG	-
625	BG	-
626	W	-

TILT & TELESCOPIC SYSTEM

< WIRING DIAGRAM >

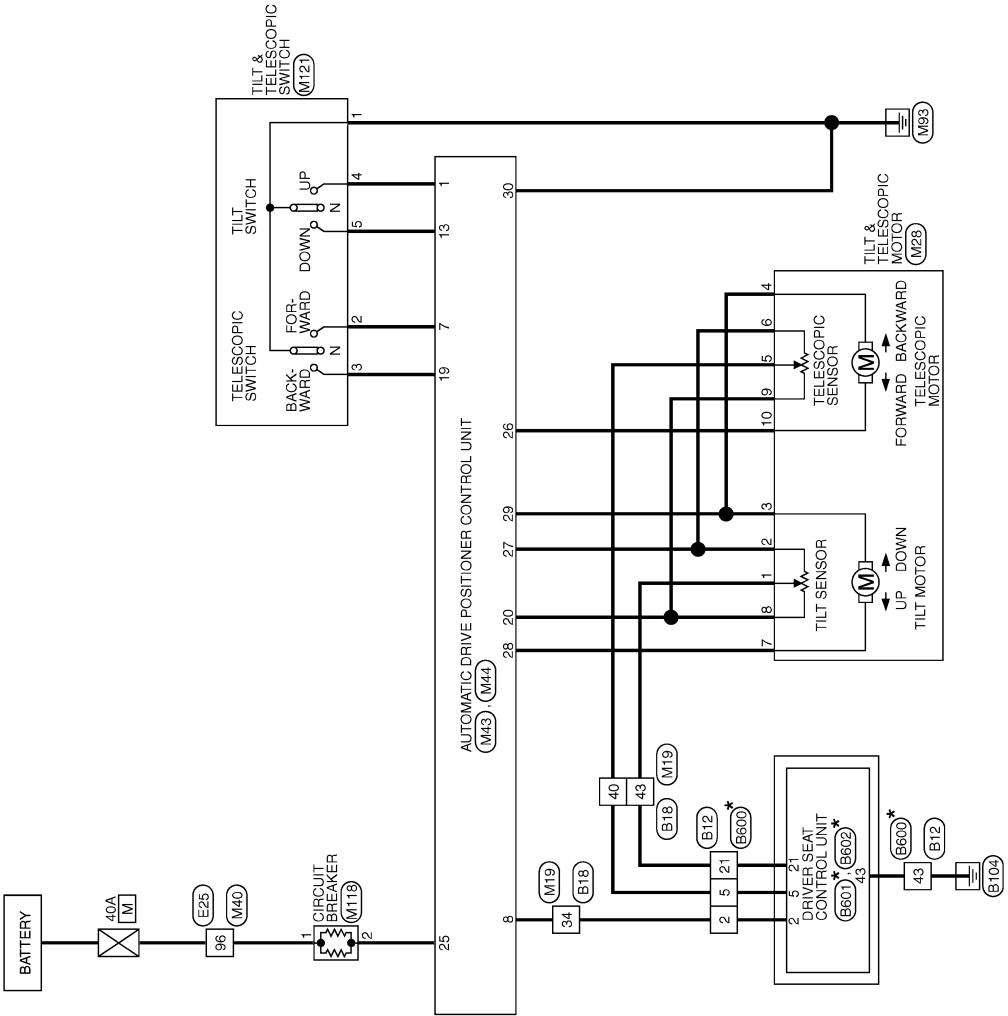
TILT & TELESCOPIC SYSTEM

Wiring Diagram

INFOID:000000009641316

★ : This connector is not shown in "Harness Layout".

TILT & TELESCOPIC SYSTEM

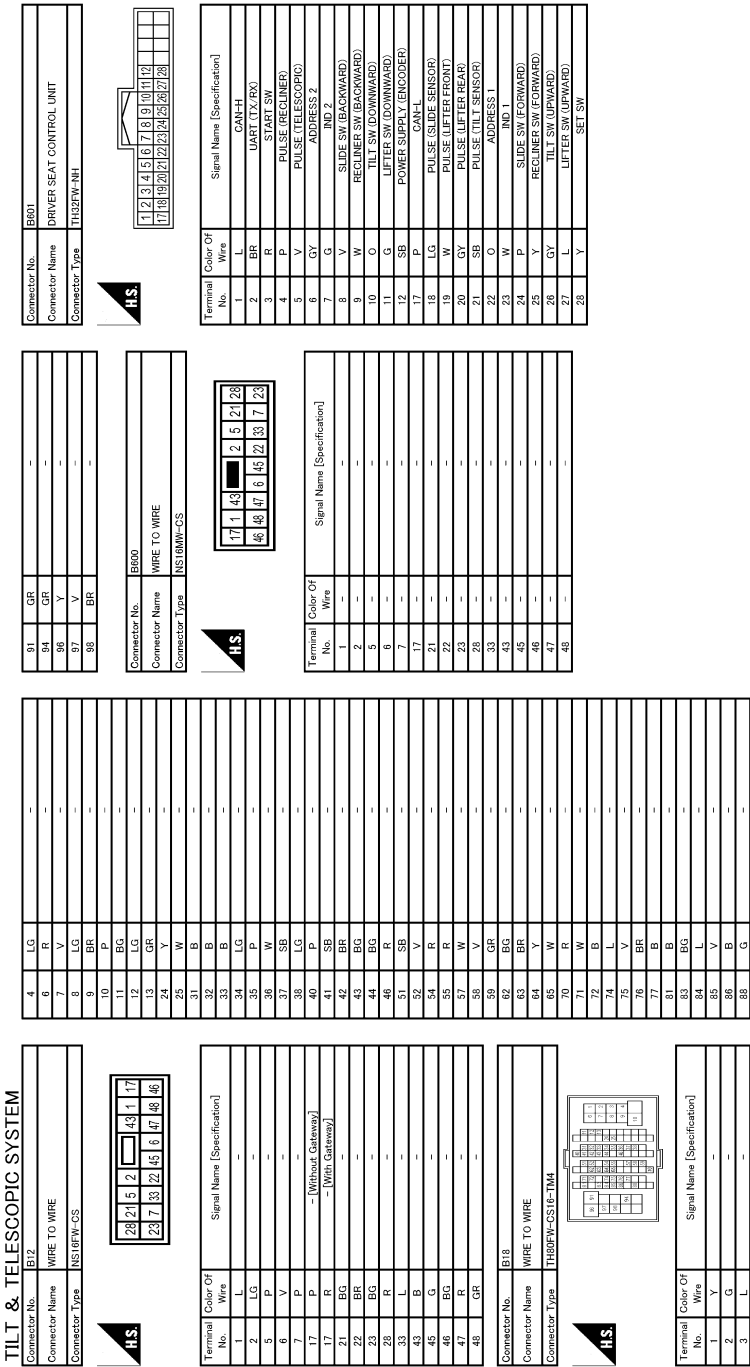


2013/05/17

JRJWC1394GB

TILT & TELESCOPIC SYSTEM

< WIRING DIAGRAM >



TILT & TELESCOPIC SYSTEM

Connector No.	B602
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS12FW-CS



33	34		35	36	
38	39	40	41	42	43

Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	BAT (PTC)
34	V	SLIDE MOTOR (BACKWARD)
35	Y	RECLINER MOTOR (FORWARD)
36	O	TILT MOTOR (DOWNWARD)
38	P	SLIDE MOTOR (FORWARD)
39	W	RECLINER MOTOR (BACKWARD)
40	GY	TILT MOTOR (UPWARD)
41	L	REAR LIFTER MOTOR (UPWARD)
42	G	REAR LIFTER MOTOR (DOWNWARD)
43	B	GND



A 10x10 grid of numbers from 1 to 100. The number 2 is highlighted in a larger box. The grid is as follows:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

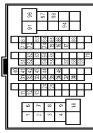
Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80EW-CS16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
5	V	-
7	L	-
10	BR	-
11	L	-
12	GR	-
13	W	-

98	L	-
99	P	-
100	SHIELD	-



Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]	
1	Y	-	-
2	G	-	-
3	SB	-	-
4	BR	-	-
6	R	-	-
7	W	-	-
8	V	-	-
9	BR	-	-
10	P	-	-
11	BR	-	-
12	LG	-	-
13	GR	-	-
24	Y	-	-
25	W	-	-
31	BR	-	-
32	B	-	-
33	B	-	-
34	V	-	-
35	P	-	-
37	P	-	-
38	SB	-	-
39	LG	-	-
40	P	-	-
41	G	-	-
42	BR	-	-
43	BR	-	-
44	BR	-	-
46	BG	-	-
51	Y	-	-
52	V	-	-



Connector No.	M28
Connector Name	TILT & TELESCOPIC MOTOR
Connector Type	NS10FW-CS

10	9		8	7
6	5	4	3	2
				1

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	W	-
3	L	-
4	L	-
5	P	-
6	W	-
7	BR	-
8	W	-

TILT & TELESCOPIC SYSTEM

< WIRING DIAGRAM >

Terminal No.

2

Color Of Wire

GR

Signal Name [Specification]

Terminal No.

3

Color Of Wire

L

Signal Name [Specification]

Terminal No.

4

Color Of Wire

V

Signal Name [Specification]

Terminal No.

6

Color Of Wire

W/B

Signal Name [Specification]

Terminal No.

7

Color Of Wire

V

Signal Name [Specification]

Terminal No.

10

Color Of Wire

W

Signal Name [Specification]

Terminal No.

11

Color Of Wire

W

Signal Name [Specification]

Terminal No.

12

Color Of Wire

B

Signal Name [Specification]

Terminal No.

13

Color Of Wire

GR

Signal Name [Specification]

Terminal No.

14

Color Of Wire

B

Signal Name [Specification]

Terminal No.

15

Color Of Wire

SB

Signal Name [Specification]

Terminal No.

17

Color Of Wire

LG

Signal Name [Specification]

Terminal No.

18

Color Of Wire

B

Signal Name [Specification]

Terminal No.

31

Color Of Wire

W

Signal Name [Specification]

Terminal No.

32

Color Of Wire

V

Signal Name [Specification]

Terminal No.

35

Color Of Wire

BG

Signal Name [Specification]

Terminal No.

36

Color Of Wire

G

Signal Name [Specification]

Terminal No.

37

Color Of Wire

B

Signal Name [Specification]

Terminal No.

38

Color Of Wire

L

Signal Name [Specification]

Terminal No.

39

Color Of Wire

Y

Signal Name [Specification]

Terminal No.

40

Color Of Wire

GR

Signal Name [Specification]

Terminal No.

41

Color Of Wire

L

Signal Name [Specification]

Terminal No.

44

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

45

Color Of Wire

R

Signal Name [Specification]

Terminal No.

46

Color Of Wire

G

Signal Name [Specification]

Terminal No.

47

Color Of Wire

R

Signal Name [Specification]

Terminal No.

48

Color Of Wire

SHIELD

Signal Name [Specification]

Terminal No.

49

Color Of Wire

B

Signal Name [Specification]

Terminal No.

50

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

51

Color Of Wire

L

Signal Name [Specification]

Terminal No.

52

Color Of Wire

W

Signal Name [Specification]

Connector No.

M40

Connector Name

WIRE TO WIRE

Connector Type

TH80MM-CSE-TM4

HS





Terminal No.

53

Color Of Wire

G

Signal Name [Specification]

Terminal No.

54

Color Of Wire

Y

Signal Name [Specification]

Terminal No.

55

Color Of Wire

P

Signal Name [Specification]

Terminal No.

56

Color Of Wire

BG

Signal Name [Specification]

Terminal No.

57

Color Of Wire

GR

Signal Name [Specification]

Terminal No.

58

Color Of Wire

B

Signal Name [Specification]

Terminal No.

59

Color Of Wire

SB

Signal Name [Specification]

Terminal No.

61

Color Of Wire

W/B

Signal Name [Specification]

Terminal No.

64

Color Of Wire

Y

Signal Name [Specification]

Terminal No.

65

Color Of Wire

R

Signal Name [Specification]

Terminal No.

66

Color Of Wire

V

Signal Name [Specification]

Terminal No.

67

Color Of Wire

LG

Signal Name [Specification]

Terminal No.

68

Color Of Wire

BG

Signal Name [Specification]

Terminal No.

71

Color Of Wire

V

Signal Name [Specification]

Terminal No.

72

Color Of Wire

GR

Signal Name [Specification]

Terminal No.

73

Color Of Wire

R

Signal Name [Specification]

Terminal No.

74

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

75

Color Of Wire

B

Signal Name [Specification]

Terminal No.

76

Color Of Wire

G

Signal Name [Specification]

Terminal No.

79

Color Of Wire

R

Signal Name [Specification]

Terminal No.

83

Color Of Wire

R

Signal Name [Specification]

Terminal No.

86

Color Of Wire

V

Signal Name [Specification]

Terminal No.

91

Color Of Wire

W

Signal Name [Specification]

Terminal No.

92

Color Of Wire

R

Signal Name [Specification]

Terminal No.

94

Color Of Wire

BG

Signal Name [Specification]

Terminal No.

95

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

96

Color Of Wire

W

Signal Name [Specification]

Terminal No.

97

Color Of Wire

LG

Signal Name [Specification]

Terminal No.

98

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

99

Color Of Wire

BR

Signal Name [Specification]

Terminal No.

100

Color Of Wire

SHIELD

Signal Name [Specification]

Connector No.

M43

Connector Name

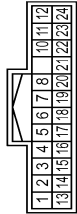
AUTOMATIC DRIVE POSITIONER CONTROL UNIT

Connector Type

TH80MM-NH

HS





Terminal No.

1

Color Of Wire

Y

Signal Name [Specification]

UPWARD

Terminal No.

2

Color Of Wire

LG

Signal Name [Specification]

MIRROR SELECT SW RH

Terminal No.

3

Color Of Wire

G

Signal Name [Specification]

UPWARD

Terminal No.

4

Color Of Wire

R

Signal Name [Specification]

LEFTWARD

Terminal No.

5

Color Of Wire

GR

Signal Name [Specification]

MIRROR SENSOR

Terminal No.

6

Color Of Wire

GR

Signal Name [Specification]

MIRROR SENSOR

Terminal No.

7

Color Of Wire

GR

Signal Name [Specification]

FRONTWARD

Terminal No.

8

Color Of Wire

V

Signal Name [Specification]

8X TX

Terminal No.

10

Color Of Wire

W/B

Signal Name [Specification]

MIRROR MOTOR

Terminal No.

11

Color Of Wire

BR

Signal Name [Specification]

MIRROR MOTOR

Terminal No.

12

Color Of Wire

Y

Signal Name [Specification]

MIRROR MOTOR

Terminal No.

13

Color Of Wire

LG

Signal Name [Specification]

DOWNWARD

Terminal No.

14

Color Of Wire

W

Signal Name [Specification]

MIRROR SELECT SW LH

Terminal No.

15

Color Of Wire

SB

Signal Name [Specification]

DOWNWARD

Terminal No.

16

Color Of Wire

L

Signal Name [Specification]

RIGHTWARD

Terminal No.

17

Color Of Wire

L

Signal Name [Specification]

MIRROR SENSOR

Terminal No.

18

Color Of Wire

B

Signal Name [Specification]

MIRROR SENSOR

Terminal No.

19

Color Of Wire

LG

Signal Name [Specification]

DOWNWARD

Terminal No.

20

Color Of Wire

Y

Signal Name [Specification]

SENS. GND

Terminal No.

21

Color Of Wire

W

Signal Name [Specification]

POWER SUPPLY

Terminal No.

22

Color Of Wire

SB

Signal Name [Specification]

MIRROR MOTOR

Terminal No.

23

Color Of Wire

P

Signal Name [Specification]

MIRROR MOTOR

Terminal No.

24

Color Of Wire

W/B

Signal Name [Specification]

MIRROR MOTOR

Connector No.

M44

Connector Name

AUTOMATIC DRIVE POSITIONER CONTROL UNIT

Connector Type

HS80FW-CS

HS





Terminal No.

25

Color Of Wire

SB

Signal Name [Specification]

BAT

Terminal No.

26

Color Of Wire

G

Signal Name [Specification]

BACKWARD

Terminal No.

27

Color Of Wire

W

Signal Name [Specification]

POWER SUPPLY SENSOR (0~16V)

Terminal No.

28

Color Of Wire

BR

Signal Name [Specification]

DOWNWARD

Terminal No.

29

Color Of Wire

L

Signal Name [Specification]

UPWARD FORWARD

Terminal No.

30

Color Of Wire

B

Signal Name [Specification]

GND (POWER SYSTEM)

Connector No.

M118

Connector Name

CIRCUIT BREAKER

Connector Type

M02FW-LC

HS





Terminal No.

1

Color Of Wire

SB

Signal Name [Specification]

Terminal No.

2

Color Of Wire

SB

Signal Name [Specification]

Connector No.

M121

Connector Name

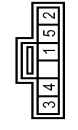
TILT & TELESCOPIC SWITCH

Connector Type

T00BFCY

HS





Terminal No.

1

Color Of Wire

B

Signal Name [Specification]

GND

Terminal No.

2

Color Of Wire

GR

Signal Name [Specification]

TELESCOPIC FR

Terminal No.

3

Color Of Wire

G

Signal Name [Specification]

TELESCOPIC RR

Terminal No.

4

Color Of Wire

Y

Signal Name [Specification]

TILT UP

Terminal No.

5

Color Of Wire

LG

Signal Name [Specification]

TILT DOWN

HEATED SEAT SYSTEM

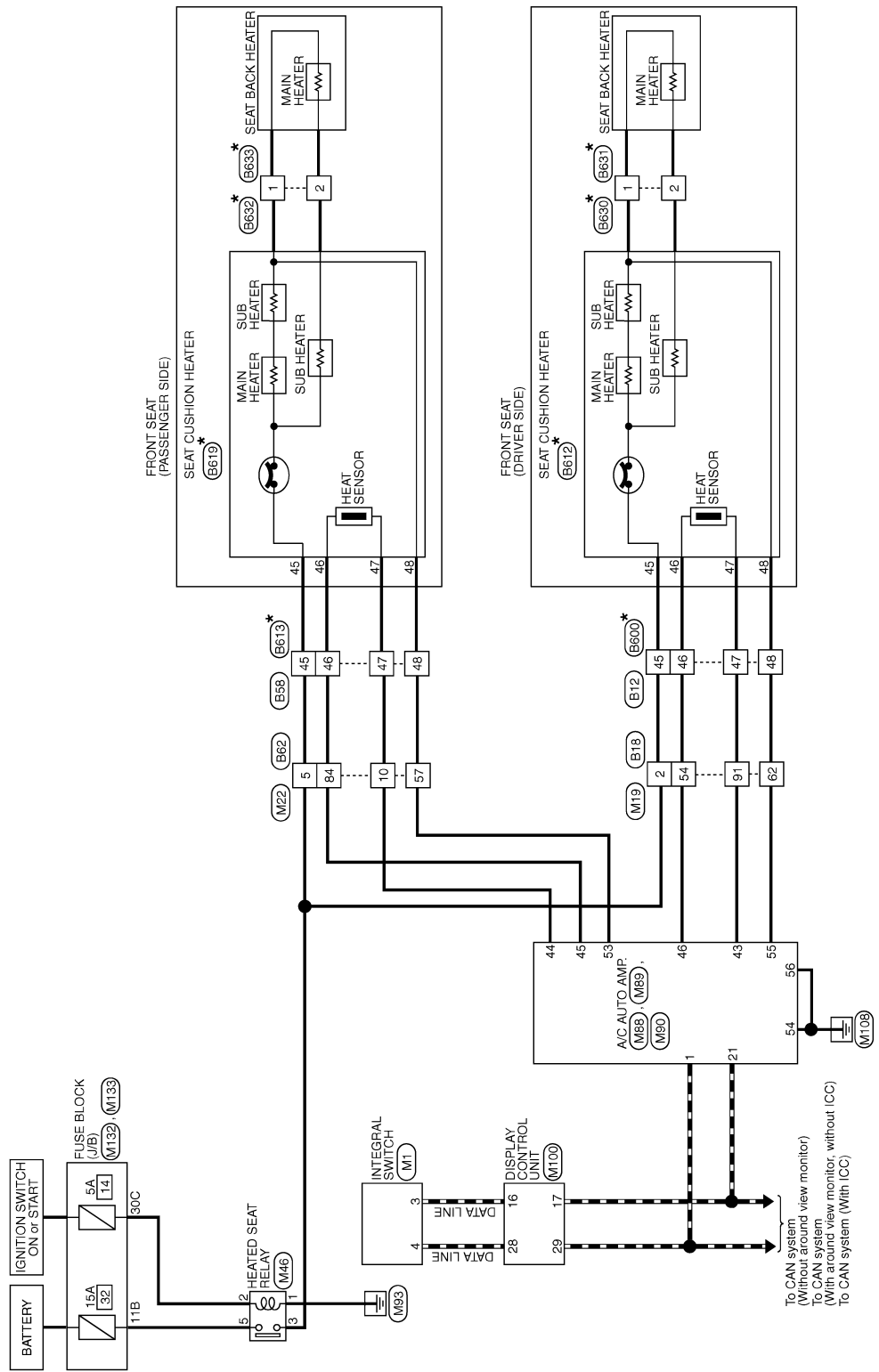
< WIRING DIAGRAM >

HEATED SEAT SYSTEM

Wiring Diagram

INFOID:0000000009641317

HEATED SEAT SYSTEM



2013/05/17

JRJWC1398GB

< WIRING DIAGRAM >

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

HEATED SEAT SYSTEM

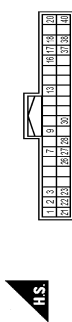
85	Y	-
86	W	-
87	L	-
88	BR	-
89	BR	-
100	BR	-

Connector No.	M46
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-
5	LG	-

Connector No.	M68
Connector Name	A/C AUTO AMP.
Connector Type	TH46FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	B	GND
3	W	IGN SW ON
4	G	IGN SW AGC
9	R	AMBIENT SENS
13	V	SUNLOAD SENS
16	P	IGN SW AGC
17	R	DOOR MOTOR PWR SPPLY
18	P	BLOWER MOTOR CONT

20	L	HEAT STRG INH RLY CONT
21	P	GND
22	B	IGN SW ON
23	W	SENS GND
26	B	IN-VEHICLE SENS
27	LG	IN-VEHICLE SENS
28	BR	INTAKE SENS
30	BG	EXH GAS/OUT ODOR DETCT SENS
37	B	GND
38	BG	UNIZER CONT
40	BG	ECV CONT

Connector No.	M89
Connector Name	A/C AUTO AMP.
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
43	BG	SEAT HTR SENS GND2
44	R	SEAT HTR SENS GND1
45	BR	SEAT HTR SENS
46	R	SEAT HTR SENS2

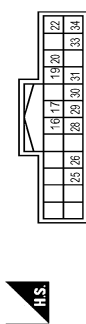
Connector No.	M90
Connector Name	A/C AUTO AMP.
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
53	V	SEAT HTR1
54	B	SEAT HEATER1 (GND/POWER)
55	GR	SEAT HTR2

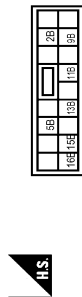
56	B	SEAT HEATER2 (GND/POWER)
----	---	--------------------------

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH04FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
16	SB	AV COMM (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GND
25	SB	-
26	BR	CAMERA SWITCH SIGNAL
28	LG	AV COMM (H)
29	L	CAN-H
30	R	IGN
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC
34	Y	BAT

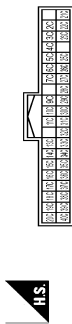
Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
116	LG	-
118	P	-
119	Y	-
118	Y	-

28	B	-
29	P	-
30	Y	-

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH04FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
100	V	-
110	V	-
130	L	-
140	Y	-
150	R	-
160	R	-
170	L	-
180	BG	-
180	P	- (Without DRPO)
180	B	- (With DRPO)
200	W	-
210	L	-
220	L	-
230	LG	-
250	SB	-
270	P	-
280	W	-
290	W	-
300	R	-
310	W	-
320	R	-
330	B	-
340	W	-
350	SB	-
360	R	-
370	W	-
380	SB	-
390	V	-
30	P	-

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

HEATED SEAT SYSTEM	
4C	G
5C	B
6C	B
7C	G
8C	G
9C	G
10C	G
11C	G
12C	G
13C	G
14C	G
15C	G
16C	G
17C	G
18C	G
19C	G
20C	G
21C	G
22C	G
23C	G
24C	G
25C	G
26C	G
27C	G
28C	G
29C	G
30C	G
31C	G
32C	G
33C	G
34C	G
35C	G
36C	G
37C	G
38C	G
39C	G
40C	G
41C	G
42C	G
43C	G
44C	G
45C	G
46C	G
47C	G
48C	G
49C	G
50C	G
51C	G
52C	G
53C	G
54C	G
55C	G
56C	G
57C	G
58C	G
59C	G
60C	G
61C	G
62C	G
63C	G
64C	G
65C	G
66C	G
67C	G
68C	G
69C	G
70C	G
71C	G
72C	G
73C	G
74C	G
75C	G
76C	G
77C	G
78C	G
79C	G
80C	G
81C	G
82C	G
83C	G
84C	G
85C	G
86C	G
87C	G
88C	G
89C	G
90C	G
91C	G
92C	G
93C	G
94C	G
95C	G
96C	G
97C	G
98C	G
99C	G
100C	G

JRJWC1403GB

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

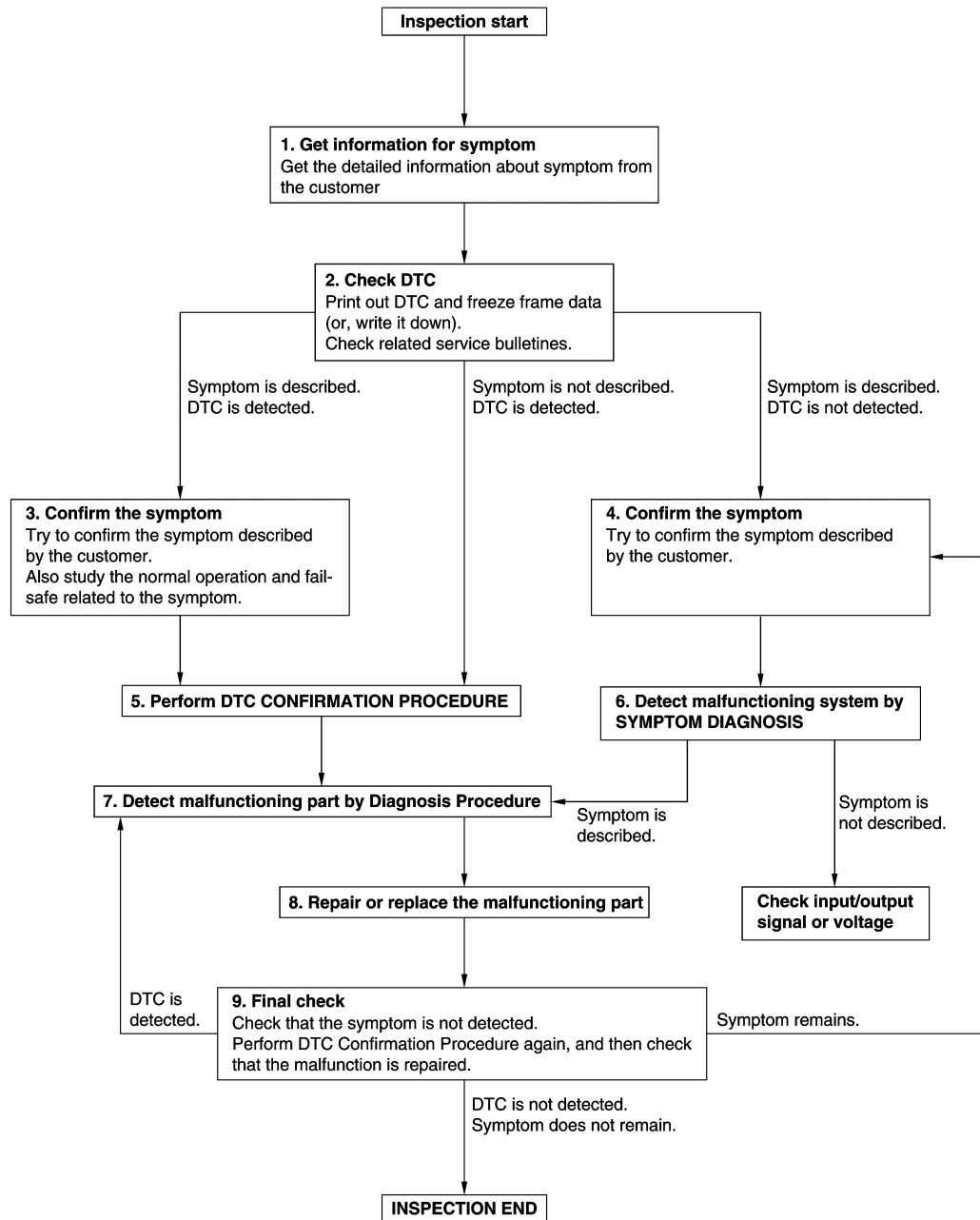
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000009641318

OVERALL SEQUENCE



DETAILED FLOW

JMKIA8652GB

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1.GET INFORMATION FOR SYMPTOM

1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2.CHECK DTC

1. Check DTC.
2. Perform the following procedure if DTC is detected.
 - Record DTC and freeze frame data (Print them out using CONSULT.)
 - Erase DTC.
 - Study the relationship between the cause detected by DTC and the symptom described by the customer.
3. Check related service bulletins for information.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.

Symptom is described, DTC is not detected>>GO TO 4.

Symptom is not described, DTC is detected>>GO TO 5.

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time.

If two or more DTCs are detected, refer to [HAC-37, "DTC Index"](#) and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-43, "Intermittent Incident"](#).

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CONSULT.

7.DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

Inspect according to Diagnosis Procedure of the system.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to [GI-43, "Intermittent Incident"](#).

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnosis Procedure again after repair and replacement.
3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

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B277E HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

B277E HEAT SENSOR

DTC Description

INFOID:000000009641319

DTC DETECTION LOGIC

DTC No.	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B277E	HEAT SENSOR (DRIVER SIDE) [Heat sensor (driver side)]	Heat sensor (driver side) signal voltage is too high.

POSSIBLE CAUSE

- Harness or connectors
(Heat sensor signal circuit is short.)
- Seat cushion trim
- A/C auto amp.

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn heated seat switch ON.
3. Check DTC in "Self Diagnostic Result" mode of "A/C auto amp" using CONSULT.

Is DTC detected?

YES >> Refer to [SE-52, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:000000009641320

1.CHECK HEAT SENSOR SIGNAL

Check voltage between A/C auto amp. harness connector and ground.

(+) A/C auto amp.		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
M89	46	Ground	Ignition switch	OFF	0 V
				ON	5 V

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK HEAT SENSOR SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector and seat cushion heater connector.
3. Check continuity between A/C auto amp. harness connector and seat cushion heater harness connector.

A/C auto amp.		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M89	46	B612	46	Existed

4. Check continuity between A/C auto amp. harness connector and ground.

B277E HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

A/C auto amp.		Ground	Continuity
Connector	Terminal		
M89	46		Not existed

Is the inspection result normal?

- YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).
- NO >> Repair or replace harness.

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B277F HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B277F HEAT SENSOR

DTC Description

INFOID:000000009641321

DTC DETECTION LOGIC

DTC No.	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B277F	HEAT SENSOR (DRIVER SIDE) [Heat sensor (driver side)]	Heat sensor (driver side) signal voltage is too low.

POSSIBLE CAUSE

- Harness or connectors
(Heat sensor signal circuit is open.)
- Seat cushion trim
- A/C auto amp.

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn heated seat switch ON.
3. Check DTC in "Self Diagnostic Result" mode of "A/C auto amp" using CONSULT.

Is DTC detected?

YES >> Refer to [SE-54, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:000000009641322

1.CHECK HEAT SENSOR SIGNAL

Check voltage between A/C auto amp. harness connector and ground.

(+) A/C auto amp.		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
M89	46	Ground	Ignition switch	OFF	0 V
				ON	5 V

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK HEAT SENSOR SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector and seat cushion heater connector.
3. Check continuity between A/C auto amp. harness connector and seat cushion heater harness connector.

A/C auto amp.		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M89	46	B612	46	Existed

4. Check continuity between A/C auto amp. harness connector and ground.

B277F HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

A/C auto amp.		Ground	Continuity
Connector	Terminal		
M89	46		Not existed

Is the inspection result normal?

- YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).
- NO >> Repair or replace harness.

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P

B27AF HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B27AF HEAT SENSOR

DTC Description

INFOID:000000009641323

DTC DETECTION LOGIC

DTC No.	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B27AF	HEAT SENSOR (PASSENGER SIDE) [Heat sensor (passenger side)]	Heat sensor (passenger side) signal voltage is too high.

POSSIBLE CAUSE

- Harness or connectors
(Heat sensor signal circuit is short.)
- Seat heater cushion trim
- A/C auto amp.

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn heated seat switch ON.
3. Check DTC in "Self Diagnostic Result" mode of "A/C auto amp" using CONSULT.

Is DTC detected?

YES >> Refer to [SE-56, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:000000009641324

1.CHECK HEAT SENSOR SIGNAL

Check voltage between A/C auto amp. harness connector and ground.

(+) A/C auto amp.		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
M89	45	Ground	Ignition switch	OFF	0 V
				ON	5 V

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK HEAT SENSOR SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector and seat cushion heater connector.
3. Check continuity between A/C auto amp. harness connector and seat cushion heater harness connector.

A/C auto amp.		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M89	45	B619	46	Existed

4. Check continuity between A/C auto amp. harness connector and ground.

B27AF HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

A/C auto amp.		Ground	Continuity
Connector	Terminal		
M89	45		Not existed

Is the inspection result normal?

- YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).
- NO >> Repair or replace harness.

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B27CF HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B27CF HEAT SENSOR

DTC Description

INFOID:000000009641325

DTC DETECTION LOGIC

DTC No.	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B27CF	HEAT SENSOR (PASSENGER SIDE) [Heat sensor (passenger side)]	Heat sensor (passenger side) signal voltage is too low.

POSSIBLE CAUSE

- Harness or connectors
(Heat sensor signal circuit is open.)
- Seat cushion trim
- A/C auto amp.

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn heated seat switch ON.
3. Check DTC in "Self Diagnostic Result" mode of "A/C auto amp" using CONSULT.

Is DTC detected?

YES >> Refer to [SE-58, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:000000009641326

1.CHECK HEAT SENSOR SIGNAL

Check voltage between A/C auto amp. harness connector and ground.

(+) A/C auto amp.		(-)	Condition	Voltage (Approx.)
Connector	Terminal			
M89	45	Ground	Ignition switch OFF	0 V
			ON	5 V

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK HEAT SENSOR SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector and seat cushion heater connector.
3. Check continuity between A/C auto amp. harness connector and seat cushion heater harness connector.

A/C auto amp.		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M89	45	B619	46	Existed

4. Check continuity between A/C auto amp. harness connector and ground.

B27CF HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

A/C auto amp.		Ground	Continuity
Connector	Terminal		
M89	45		Not existed

Is the inspection result normal?

- YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).
- NO >> Repair or replace harness.

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HEATED SEAT RELAY

< DTC/CIRCUIT DIAGNOSIS >

HEATED SEAT RELAY

Component Function Check

INFOID:000000009641327

1.CHECK HEATED SEAT RELAY FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to [SE-60, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000009641328

1.CHECK HEATED SEAT RELAY POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect heated seat relay.
3. Turn ignition switch ON.
4. Check voltage between heated seat relay terminal connector and ground.

(+)		(-)	Voltage
Heated seat relay			
Connector	Terminal		
M46	2	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK HEATED SEAT RELAY POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Check continuity between heated seat relay terminal connector and fuse block (J/B) harness connector.

Heated seat relay		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M46	2	M133	30C	Existed

4. Check continuity between heated seat relay terminal connector and ground.

Heated seat relay		Ground	Continuity
Connector	Terminal		
M46	2		Not existed

Is the inspection result normal?

YES >> Check 5 A fuse [No.14, located in the fuse block (J/B)]

NO >> Repair or replace harness.

3.CHECK HEATED SEAT RELAY GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between heated seat relay terminal connector and ground.

Heated seat relay		Ground	Continuity
Connector	Terminal		
M46	1		Existed

Is the inspection result normal?

YES >> GO TO 4.

HEATED SEAT RELAY

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

4.CHECK HEATED SEAT RELAY

Check heated seat relay.

Refer to [SE-61. "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace heated seat relay.

5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-43. "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000009641329

1.CHECK HEATED SEAT RELAY

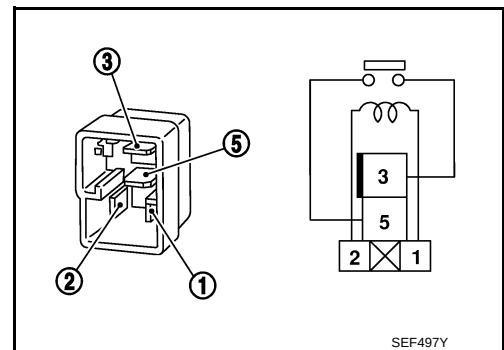
1. Turn ignition switch OFF.
2. Disconnect heated seat relay.
3. Check continuity between heated seat relay terminals.

Terminal		Condition	Continuity
③	⑤	12 V direct current supply between terminals ① and ②.	Existed
		No current supply	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace heated seat relay.



SEF497Y

SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION HEATER DRIVER SIDE

DRIVER SIDE : Component Function Check

INFOID:000000009641331

1.CHECK FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Seat cushion heater function is OK.

NO >> Refer to [SE-62, "DRIVER SIDE : Diagnosis Procedure"](#).

DRIVER SIDE : Diagnosis Procedure

INFOID:000000009641332

1.CHECK SEAT CUSHION HEATER POWER SUPPLY

Check voltage between seat cushion heater harness connector and ground.

(+)		(-)	Condition		Voltage (Approx.)
Seat cushion heater					
Connector	Terminal				
B612	45	Ground	Ignition switch	ON	Battery voltage
				Other than above	0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SEAT CUSHION HEATER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector and heated seat relay connector.
3. Check continuity between seat cushion heater harness connector and heated seat relay harness connector.

Seat cushion heater		Heated seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B612	45	M46	3	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B612	45		Not existed

Is the inspection result normal?

YES >> Replace heated seat relay.

NO >> Repair or replace harness.

3.CHECK SEAT CUSHION HEATER CONTROL SIGNAL

Check voltage between seat cushion heater harness connector and ground.

(+)		(-)	Condition		Voltage (Approx.)
Seat cushion heater					
Connector	Terminal				
B612	48	Ground	Heated seat sys- tem	Operated	0 V
				Not operated	Battery voltage

SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#)
NO >> GO TO 4.

4.CHECK SEAT CUSHION HEATER CONTROL SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector and A/C auto amp. connector.
3. Check continuity between seat cushion heater harness connector and A/C auto amp. harness connector.

Seat cushion heater		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
B612	48	M90	55	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B612	48		Not existed

Is the inspection result normal?

- YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).
NO >> Repair or replace harness.

PASSENGER SIDE

PASSENGER SIDE : Component Function Check

INFOID:0000000009641335

1.CHECK FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

- YES >> Seat cushion heater function is OK.
NO >> Refer to [SE-63, "PASSENGER SIDE : Diagnosis Procedure"](#).

PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000009641336

1.CHECK SEAT CUSHION HEATER POWER SUPPLY

Check voltage between seat cushion heater harness connector and ground.

(+) (–)		(–)	Condition		Voltage (Approx.)
Seat cushion heater					
Connector	Terminal				
B619	45	Ground	Ignition switch	ON	Battery voltage
				Other than above	0 V

Is the inspection result normal?

- YES >> GO TO 3.
NO >> GO TO 2.

2.CHECK SEAT CUSHION HEATER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector and heated seat relay connector.
3. Check continuity between seat cushion heater harness connector and heated seat relay harness connector.

SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

Seat cushion heater		Heated seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B619	45	M46	3	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B619	45		Not existed

Is the inspection result normal?

YES >> Replace heated seat relay.

NO >> Repair or replace harness.

3.CHECK SEAT CUSHION HEATER CONTROL SIGNAL

Check voltage between seat cushion heater harness connector and ground.

(+) Seat cushion heater		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
B619	48	Ground	Heated seat system	Operated	0 V
				Not operated	Battery voltage

Is the inspection result normal?

YES >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#)

NO >> GO TO 4.

4.CHECK SEAT CUSHION HEATER CONTROL SIGNAL CIRCUIT

- Turn ignition switch OFF.
- Disconnect seat cushion heater connector and A/C auto amp. connector.
- Check continuity between seat cushion heater harness connector and A/C auto amp. harness connector.

Seat cushion heater		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
B619	48	M90	53	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B619	48		Not existed

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

NO >> Repair or replace harness.

SEATBACK HEATER

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK HEATER DRIVER SIDE

DRIVER SIDE : Component Function Check

INFOID:000000009763925

1.CHECK SEATBACK HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to [SE-65, "DRIVER SIDE : Diagnosis Procedure"](#).

DRIVER SIDE : Diagnosis Procedure

INFOID:000000009763926

1.CHECK SEATBACK HEATER POWER SUPPLY

Check voltage between seatback heater harness connector and ground.

(+) Seatback heater		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
B630	2	Ground	Ignition switch	ON	Battery voltage
				Other than above	0 V

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).

2.CHECK SEATBACK HEATER CONTROL SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seatback heater connector and seat cushion heater connector.
3. Check continuity between seatback heater harness connector and seat cushion heater harness connector.

Seatback heater		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
B630	1	B612	48	Existed

4. Check continuity between seatback heater harness connector and ground.

Seatback heater		Ground	Continuity
Connector	Terminal		
B630	1		Not existed

Is the inspection result normal?

YES >> Replace seatback trim. Refer to [SE-80, "SEATBACK : Disassembly and Assembly"](#).

NO >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).

PASSENGER SIDE

PASSENGER SIDE : Component Function Check

INFOID:000000009763927

1.CHECK SEATBACK HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to [SE-66, "PASSENGER SIDE : Diagnosis Procedure"](#).

SEATBACK HEATER

< DTC/CIRCUIT DIAGNOSIS >

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000009763928

1.CHECK SEATBACK HEATER POWER SUPPLY

Check voltage between seatback heater harness connector and ground.

(+) Seatback heater		(-)	Condition		Voltage (Approx.)
Connector	Terminal				
B632	2	Ground	Ignition switch	ON	Battery voltage
				Other than above	0 V

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).

2.CHECK SEATBACK HEATER CONTROL SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seatback heater connector and seat cushion heater connector.
3. Check continuity between seatback heater harness connector and seat cushion heater harness connector.

Seatback heater		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
B632	1	B619	48	Existed

4. Check continuity between seatback heater harness connector and ground.

Seatback heater		Ground	Continuity
Connector	Terminal		
B632	1		Not existed

Is the inspection result normal?

YES >> Replace seatback trim. Refer to [SE-80, "SEATBACK : Disassembly and Assembly"](#).

NO >> Replace seat cushion trim. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).

HEATED SEAT DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

HEATED SEAT DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000009641369

1.CHECK HEATED SEAT RELAY

Check heated seat relay.

Refer to [SE-60, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK SEAT CUSHION HEATER

Check seat cushion heater.

Refer to [SE-62, "DRIVER SIDE : Component Function Check"](#) (driver side) or [SE-63, "PASSENGER SIDE : Component Function Check"](#) (passenger side).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK SEATBACK HEATER

Check seatback heater.

Refer to [SE-65, "DRIVER SIDE : Component Function Check"](#) (driver side) or [SE-65, "PASSENGER SIDE : Component Function Check"](#) (passenger side).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.REPLACE A/C AUTO AMP.

Replace A/C auto amp. Refer to [HAC-113, "Removal and Installation"](#).

Is the inspection result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

STEERING POSITION FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

STEERING POSITION FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000009641373

1.CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check automatic drive positioner control unit power supply and ground circuit.

Refer to [ADP-75, "AUTOMATIC DRIVE POSITIONER CONTROL UNIT : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK TILT SWITCH

Check tilt switch.

Refer to [ADP-85, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK TELESCOPIC SWITCH

Check telescopic switch.

Refer to [ADP-87, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK TILT SENSOR

Check tilt sensor.

Refer to [ADP-105, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CHECK TELESCOPIC SENSOR

Check telescopic sensor.

Refer to [ADP-108, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.REPLACE AUTOMATIC DRIVE POSITIONER CONTROL UNIT

Replace automatic drive positioner control unit. Refer to [ADP-146, "Removal and Installation"](#).

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 7.

7.REPLACE DRIVER SEAT CONTROL UNIT

Replace driver seat control unit. Refer to [ADP-145, "Removal and Installation"](#).

Is the inspection result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

TILT FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

TILT FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000009641374

1.CHECK TILT SWITCH

Check tilt switch.

Refer to [ADP-85, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK TILT MOTOR

Check tilt motor.

Refer to [ADP-123, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK TILT SENSOR

Check tilt sensor.

Refer to [ADP-105, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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TELESCOPIC FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

TELESCOPIC FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000009641375

1.CHECK TELESCOPIC SWITCH

Check telescopic switch.

Refer to [ADP-87, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK TELESCOPIC MOTOR

Check telescopic motor.

Refer to [ADP-125, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK TELESCOPIC SENSOR

Check telescopic sensor.

Refer to [ADP-108, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-43, "Intermittent Incident"](#).

NO >> GO TO 1.

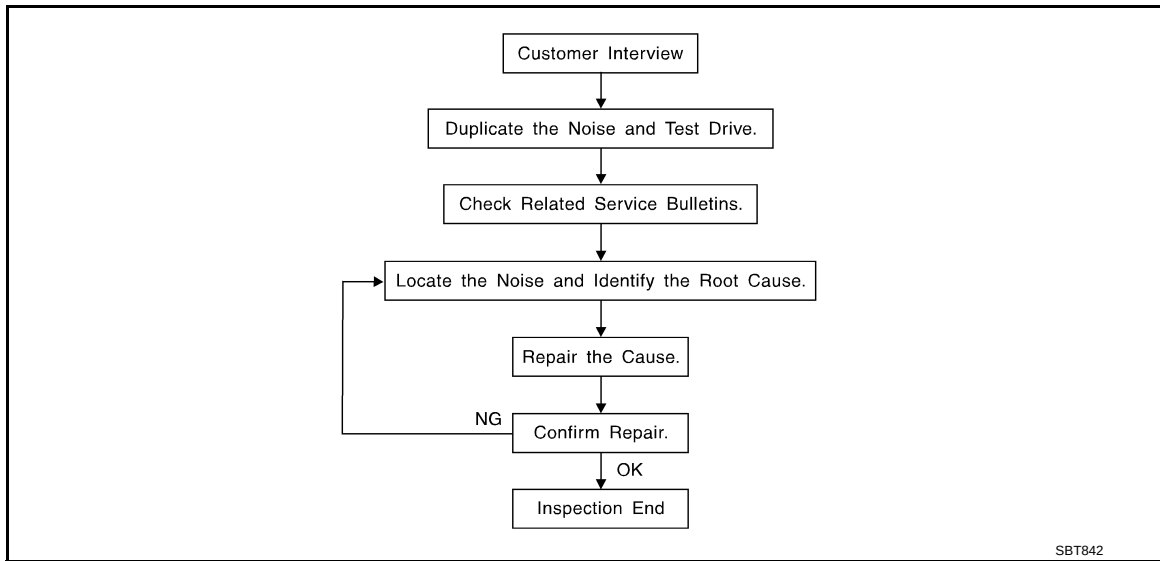
SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:000000009237864



CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of customer's comments; refer to [SE-75, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak – (Like tennis shoes on a clean floor)
Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak – (Like walking on an old wooden floor)
Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle – (Like shaking a baby rattle)
Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock – (Like a knock on a door)
Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick – (Like a clock second hand)
Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump – (Heavy, muffled knock noise)
Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz – (Like a bumblebee)
Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that a technician may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when the repair is reconfirmed.

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
 - 2) Tap or push/pull around the area where the noise appears to be coming from.
 - 3) Rev the engine.
 - 4) Use a floor jack to recreate vehicle "twist".
 - 5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
 - 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
 - If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, Engine ear and mechanics stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
 - Removing the components in the area that is are suspected to be the cause of the noise.
Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
 - Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
 - Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
 - Placing a piece of paper between components that are suspected to be the cause of the noise.
 - Looking for loose components and contact marks.
Refer to [SE-73, "Inspection Procedure"](#).

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
 - Separate components by repositioning or loosening and retightening the component, if possible.
 - Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A Nissan Squeak and Rattle Kit (J-50397) is available through the authorized Nissan Parts Department.

CAUTION:

Never use excessive force as many components are constructed of plastic and may be damaged.

NOTE:

Always check with the Parts Department for the latest parts information.

The following materials are contained in the Nissan Squeak and Rattle Kit (J-50397). are listed on the inside cover of the kit, and can each be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02: 15 × 25 mm (0.59 × 0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50 × 50 mm (1.97 × 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97in)

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll

The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used in place of UHMW tape that is be visible or does not fit. Will only last a few months.

SILICONE SPRAY

Used when grease cannot be applied.

DUCT TAPE

Used to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Inspection Procedure

INFOID:000000009237865

Refer to Table of Contents for specific component removal and installation information.

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

CENTER CONSOLE

Components to pay attention to include:

1. Shifter assembly cover to finisher
2. A/C control unit and cluster lid C
3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

DOORS

Pay attention to the following:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-50397) to repair the noise.

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the customer.

In addition look for the following:

1. Trunk lid dumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

SEATS

When isolating seat noise it's important to note the position the seats in and the load placed on the seat when the noise occurs. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

Causes of transmitted underhood noise include:

1. Any component mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine RPM or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:000000009237866



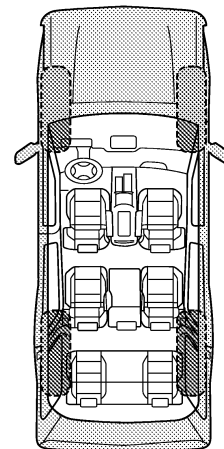
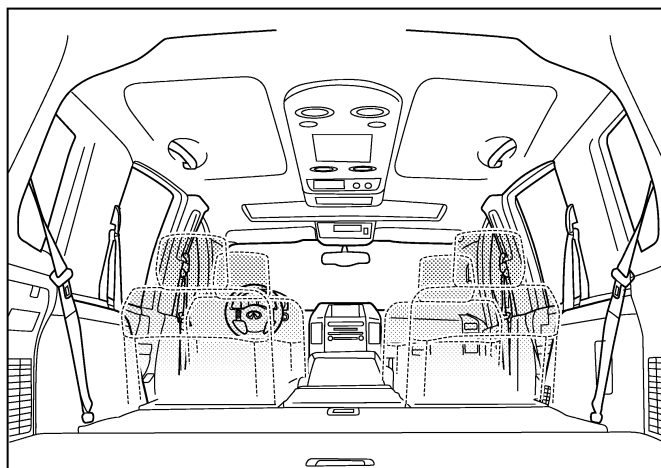
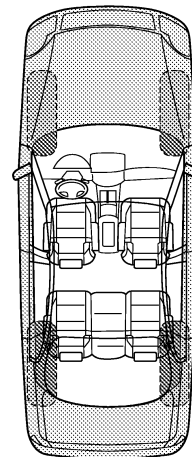
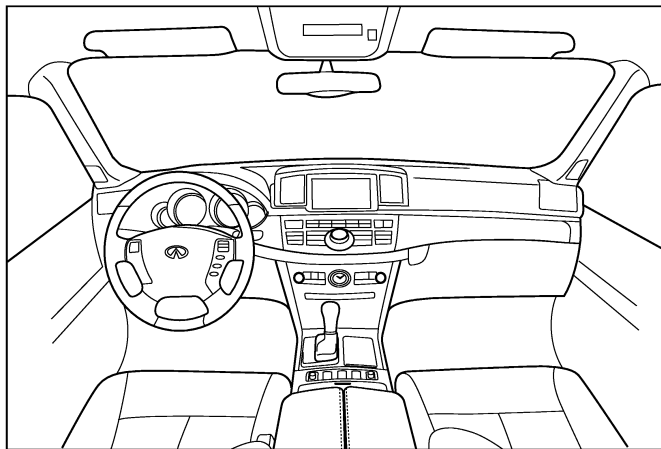
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:

We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service consultant or technician to ensure we confirm the noise you are hearing.

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

PIIB8741E

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- | | |
|---|--|
| ☐ anytime | ☐ after sitting out in the rain |
| ☐ 1st time in the morning | ☐ when it is raining or wet |
| ☐ only when it is cold outside | ☐ dry or dusty conditions |
| ☐ only when it is hot outside | ☐ other: |

III. WHEN DRIVING:

- ☐ through driveways
- ☐ over rough roads
- ☐ over speed bumps
- ☐ only about ____ mph
- ☐ on acceleration
- ☐ coming to a stop
- ☐ on turns: left, right or either (circle)
- ☐ with passengers or cargo
- ☐ other: _____
- ☐ after driving ____ miles or ____ minutes

IV. WHAT TYPE OF NOISE

- ☐ squeak (like tennis shoes on a clean floor)
- ☐ creak (like walking on an old wooden floor)
- ☐ rattle (like shaking a baby rattle)
- ☐ knock (like a knock at the door)
- ☐ tick (like a clock second hand)
- ☐ thump (heavy, muffled knock noise)
- ☐ buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

	YES	NO	Initials of person performing
Vehicle test driven with customer	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

VIN: _____ Customer Name: _____
W.O.# _____ Date: _____

This form must be attached to Work Order

PIIB8742E

FRONT SEAT

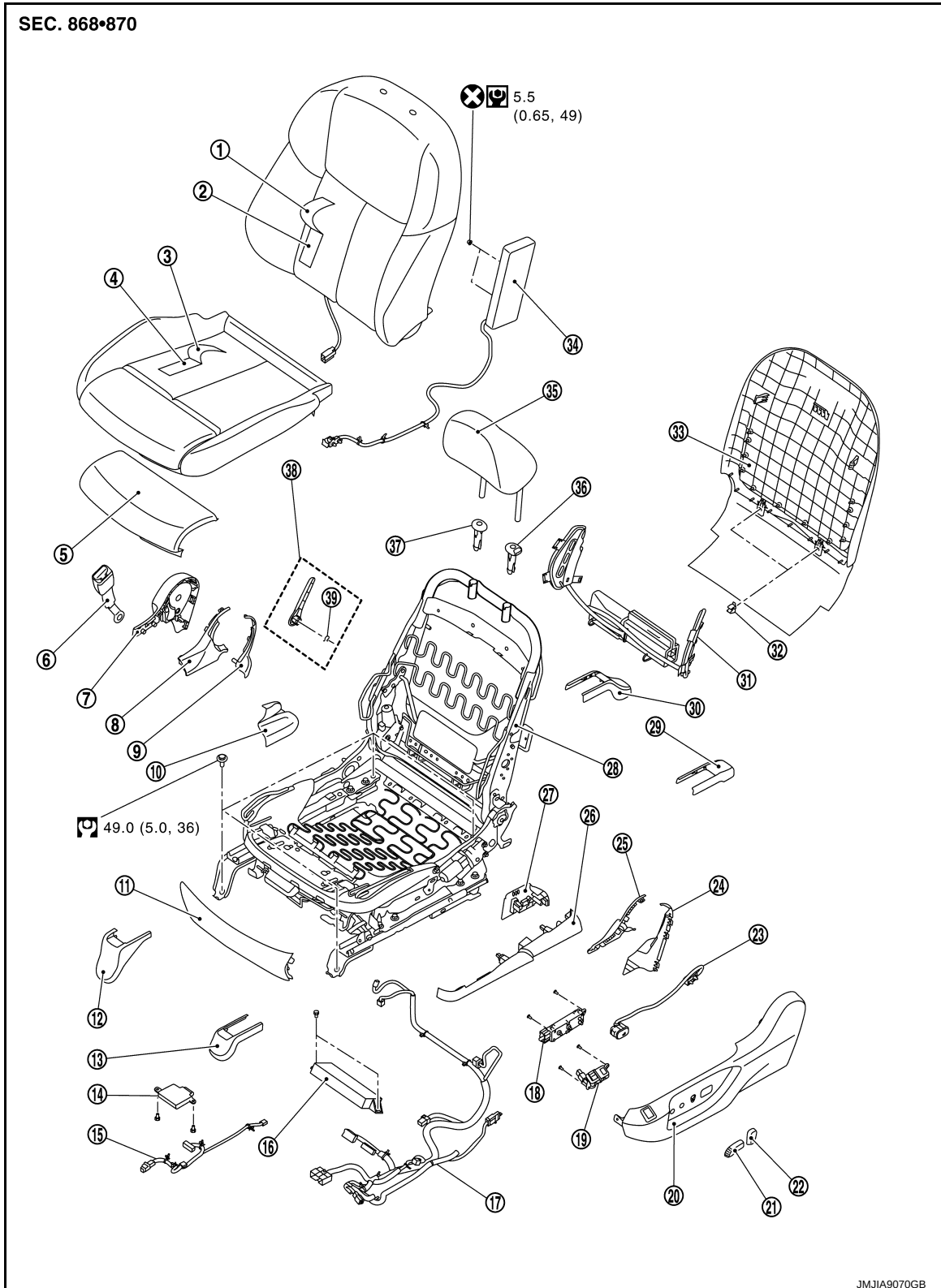
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

FRONT SEAT

Exploded View

INFOID:000000009687503



FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|---|--|---|
| ① Seatback trim | ② Seatback pad | ③ Seat cushion trim |
| ④ Seat cushion pad | ⑤ Forward pad | ⑥ Seat belt buckle * |
| ⑦ Seat cushion outside finisher inner side | ⑧ Seat cushion inside finisher inner side front | ⑨ Seat cushion inside finisher inner side rear |
| ⑩ Seat cushion lowside finisher inner side | ⑪ Seat cushion forward finisher | ⑫ Front leg cover inner side |
| ⑬ Front leg cover outer side | ⑭ Occupant detection system control unit | ⑮ ODS harness connector |
| ⑯ Driver seat control unit | ⑰ Harness assembly | ⑱ Power seat switch |
| ⑲ Side support switch | ⑳ Seat cushion outside finisher outer side | ㉑ Slide knob |
| ㉒ Reclining knob | ㉓ Lumber support switch | ㉔ Seat cushion inside finisher outer side rear |
| ㉕ Seat cushion inside finisher outer side front | ㉖ Seat cushion outside finisher outer side lower | ㉗ Seat cushion inside finisher outer side lower |
| ㉘ Seat frame | ㉙ Rear leg cover outer side | ㉚ Rear leg cover inner side |
| ㉛ side support assembly | ㉜ M-clip | ㉝ Seatback board |
| ㉞ Side air bag assembly | ㉟ Headrest | ㊱ Headrest holder (lock) |
| ㊲ Headrest holder (free) | ㊳ Lumber lever | ㊴ Snap ring |

⊗ : Always replace after every disassembly.

Ⓜ : N·m (kg-m, in-lb)

Ⓜ : N·m (kg-m, ft-lb)

*: Tighten together with seat belt buckle and tongue. Refer to [SB-8, "Exploded View"](#).

Removal and Installation

INFOID:000000009687504

DANGER:

- Before disconnect, push ignition switch OFF, disconnect battery negative terminal and then wait for at least 3 minutes (discharges electricity held in the additional power supply circuit of the air bag diagnosis sensor unit).
- Never use air tools or electric tools for servicing (prevents the air bag diagnosis sensor unit from activating unexpectedly due to vibration).
- Always work from the side of air bag module. Never work in front of it.
- To prevent accidental explosion, never insert any objects (screwdriver) into the side air bag module harness connector (for prevention of accidental activation of the inflator due to static electricity).

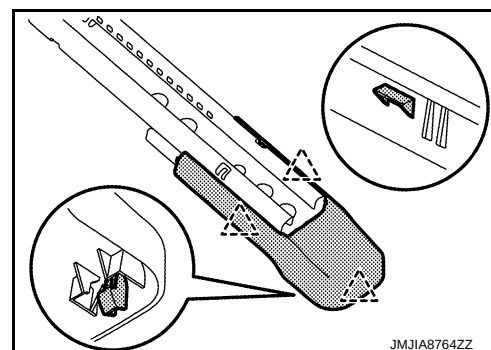
CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

REMOVAL

1. Remove headrest.
2. Slide seat to the frontmost position.
3. Remove rear leg cover.
 - Disengage rear leg cover fixing pawls, and then remove rear leg cover.
 - Outer side

△ : Pawl

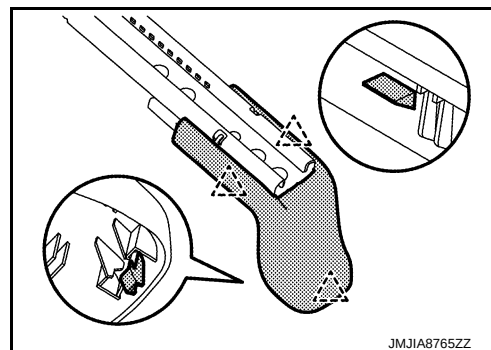


FRONT SEAT

< REMOVAL AND INSTALLATION >

- Inner side

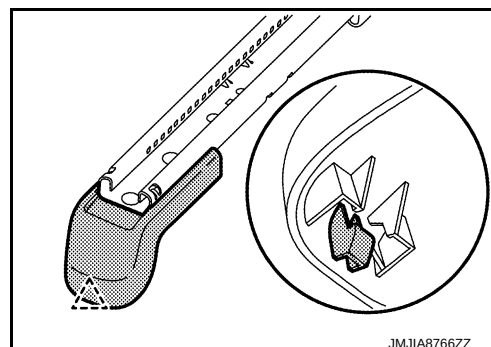
 : Pawl



4. Remove front seat rear fixing bolts.
5. Slide seat to the rearmost position.
6. Remove front leg cover.
Disengage front leg cover fixing pawl, and then remove front leg cover.

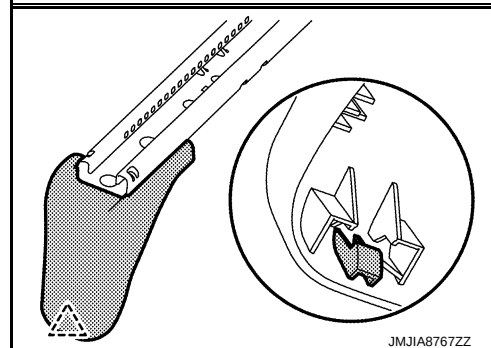
- Outer side

 : Pawl



- Inner side

 : Pawl



7. Remove front seat front fixing bolts.
8. Disconnect seat cushion lower harness connector, and harness fixing clips.

WARNING:

Before disconnect, turn ignition switch OFF, disconnect battery negative terminal and then wait for at least 3 minutes (discharges electricity held in the additional power supply circuit of the air bag diagnosis sensor unit).

CAUTION:

Before performing removal operation, check the installation position of harness connectors and harness fixing clamps.

NOTE:

When removing the seat cushion or seat cushion finisher, move the seat lifter to the highest level.

9. Remove front seat from the vehicle.

INSTALLATION

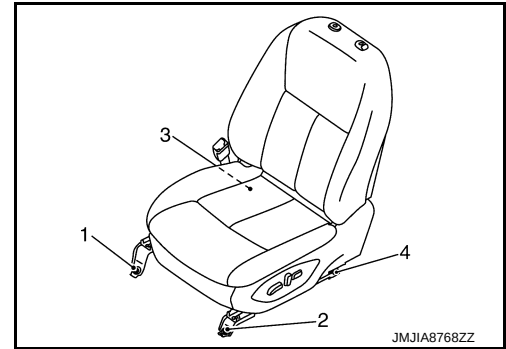
Note the following item, and then install in the reverse order of removal.

CAUTION:

FRONT SEAT

< REMOVAL AND INSTALLATION >

- When installing, tighten fixing bolts according to the numerical order 1 → 4 indicated by arrows as shown in the figure, starting from front inner fixing bolt.



SEATBACK

SEATBACK : Disassembly and Assembly

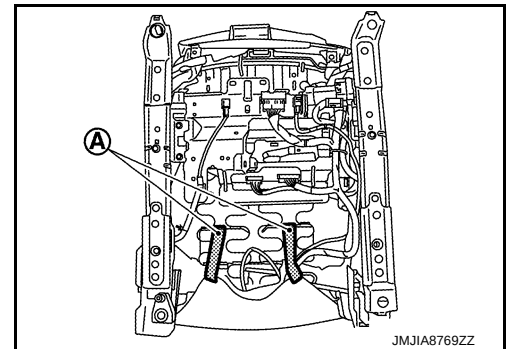
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CAUTION:

When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

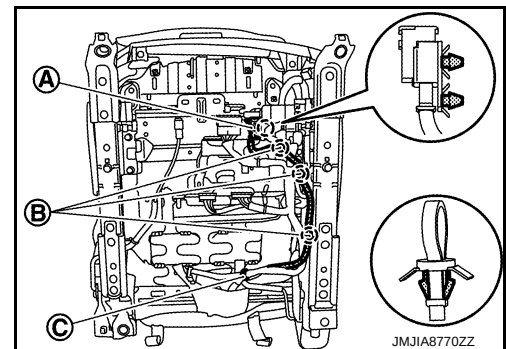
DISASSEMBLY

1. Disengage seatback board fixing rubber band (A).



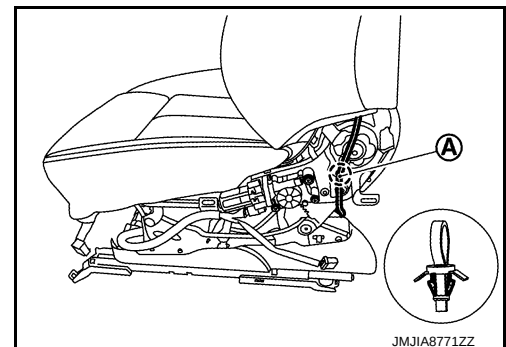
2. Disengage side air bag harness connector fixing clips (A), harness clips (B) and cut cable tie (C).

 : Clip



3. Remove seat cushion outside finisher outer side. Refer to [SE-87, "SEAT CUSHION FINISHER : Removal and Installation"](#).
4. Disengage side air bag harness clip (A).

 : Clip



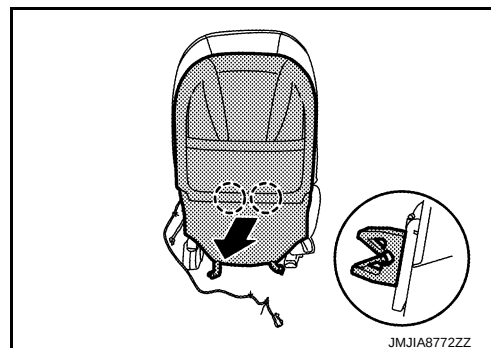
5. Remove seatback board.

FRONT SEAT

< REMOVAL AND INSTALLATION >

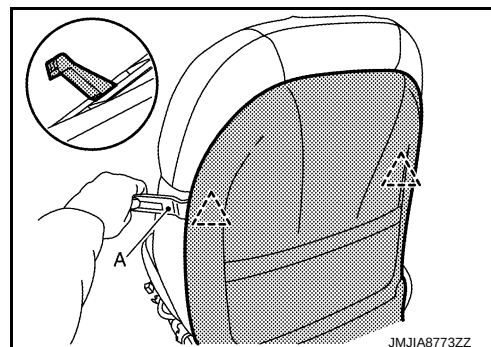
- a. Disengage seatback board fixing M-clips.

 : Clip

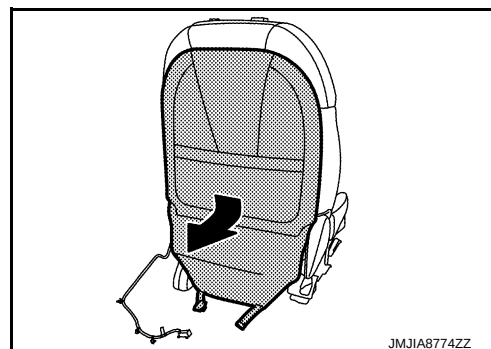


- b. Disengage seatback board fixing pawls using a remover tool (A).

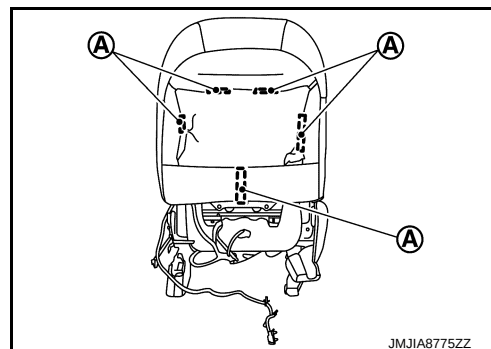
 : Pawl



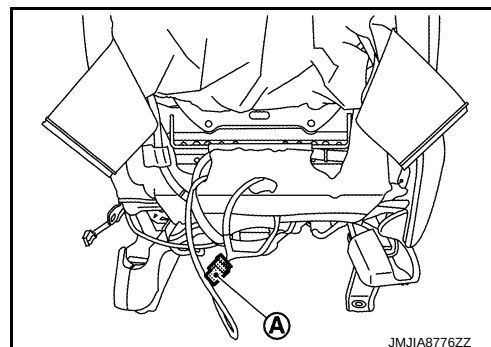
- c. Remove seatback board to pull down.



6. Disengage seatback retainer (A).



7. Disconnect seat heater harness connector (A).



A

B

C

D

E

F

G

H

I

SE

K

L

M

N

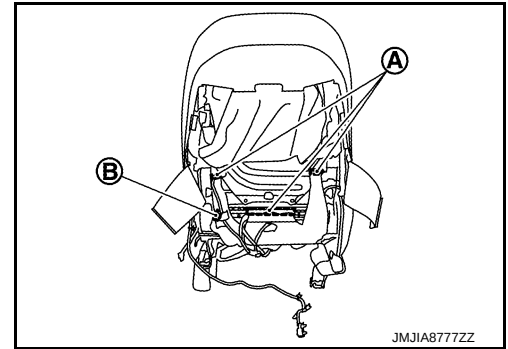
O

P

FRONT SEAT

< REMOVAL AND INSTALLATION >

8. Disengage seatback retainer (A) and hook-and-loop fastener (B).

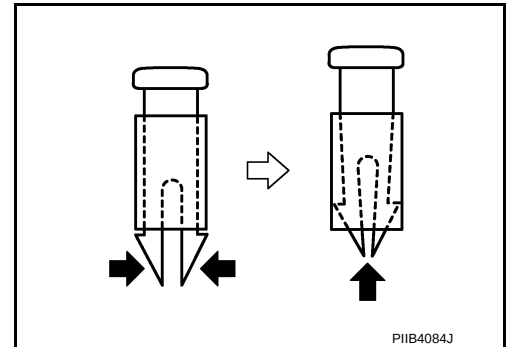


9. Remove headrest holder.

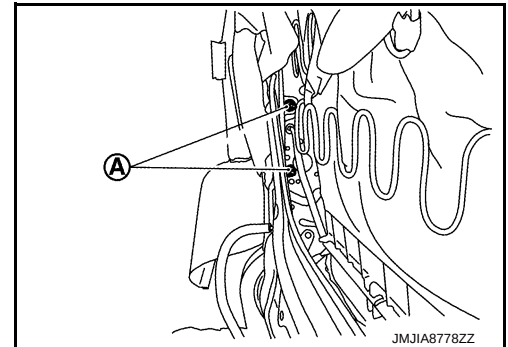
CAUTION:

Before installing headrest holder check its orientation (front / rear and right / left).

Remove the headrest holder by raising it while pinching the pawls from the bottom of the headrest holder.

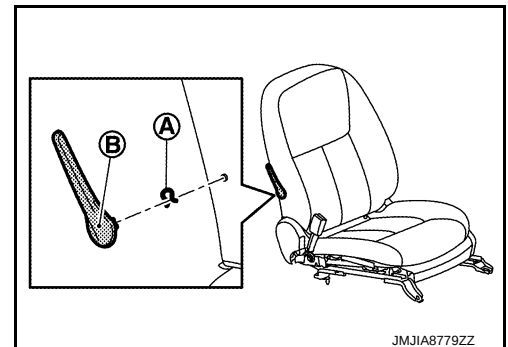


10. Remove side air bag fixing nuts (A).



11. Remove lumbar lever (manual only).

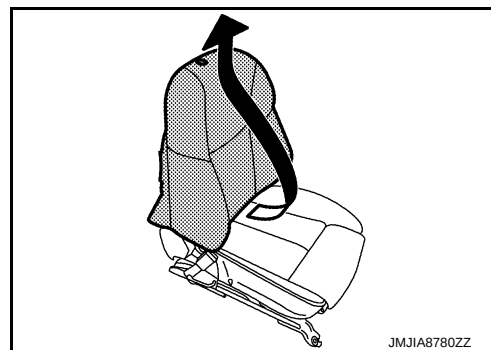
Remove snap ring (A), and then remove lumbar lever (B).



FRONT SEAT

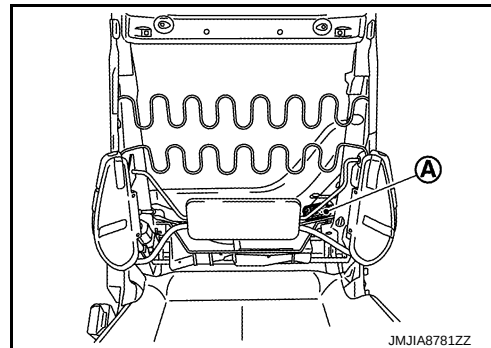
< REMOVAL AND INSTALLATION >

12. Remove seatback trim and seatback pad as a set.

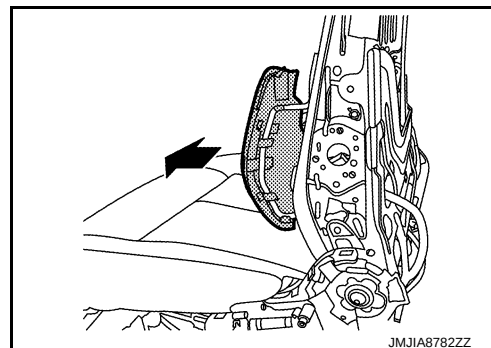


13. Remove side support assembly (if equipped).

a. Disconnect side support assembly harness connector ①.

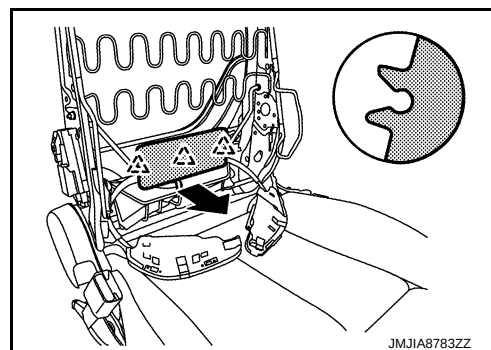


b. Remove side support pad.



c. Disengage lumbar support pad fixing pawls, and then remove lumbar support pad.

 : Pawl

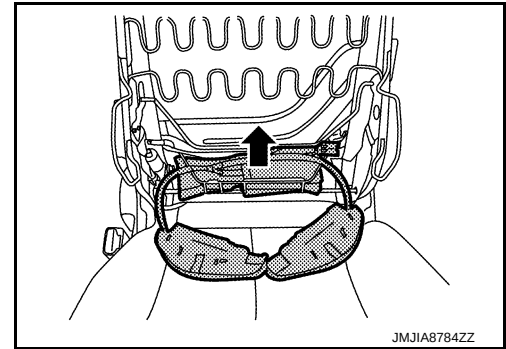


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FRONT SEAT

< REMOVAL AND INSTALLATION >

- d. Remove side support assembly.



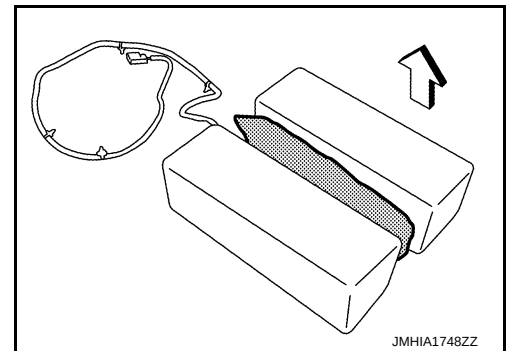
14. Separate seatback trim and seatback pad.

- a. Remove side air bag assembly.

CAUTION:

- Note how the part is installed for reference during assembly.
- To prevent accidental explosion, always place the driver air bag module with deploying direction facing upward.

⇐ : Deploying direction



- To prevent damage to the parts, never impact the side air bag module.
- Replace the side air bag module if it is dropped or sustains an impact.



- To prevent accidental explosion, never insert any foreign objects (screwdriver, etc.) into the side air bag module.
- To prevent accidental explosion, never disassemble the side air bag module.
- To prevent accidental explosion, never expose the side air bag module to temperature of more than 90°C (194°F).
- To prevent damage to the parts, never allow oil, grease, detergent, or water to come in contact with the side air bag module.

- b. Remove hog rings, and then separate seatback trim and seatback pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.
- When installing the side air bag, check that the inner cloth (reinforcement cloth) is not caught in bolt hole.

FRONT SEAT

< REMOVAL AND INSTALLATION >

SEAT CUSHION

SEAT CUSHION : Disassembly and Assembly

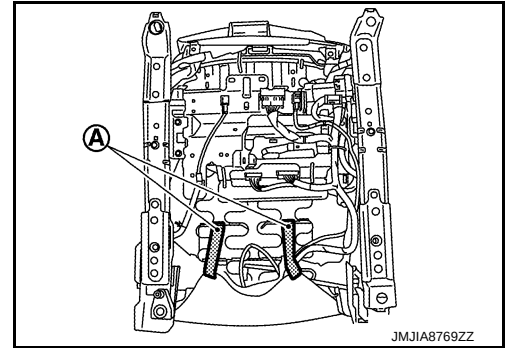
INFOID:000000009687506

CAUTION:

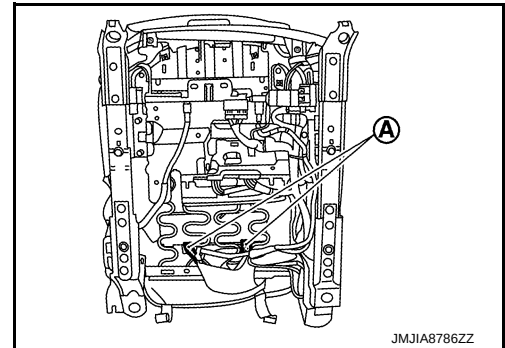
When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

DISASSEMBLY

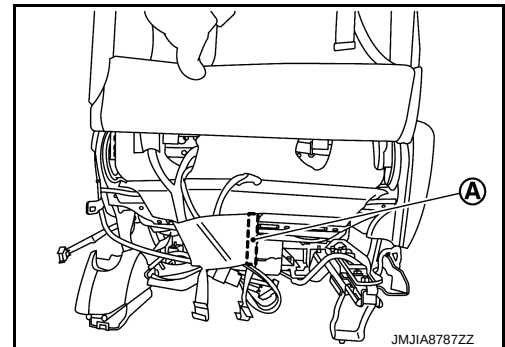
1. Disengage seatback board fixing rubber band (A).



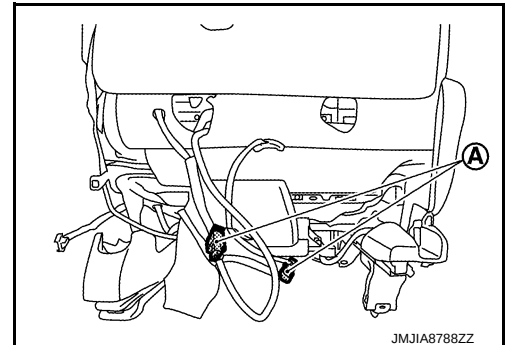
2. Disengage seat cushion trim fixing rubber band (A).



3. Remove seat cushion outside finisher outer side. Refer to [SE-87, "SEAT CUSHION FINISHER : Removal and Installation"](#)
4. Disengage seat cushion trim fixing hook-and-loop fastener (A).



5. Disconnect seat heater harness connector (A).

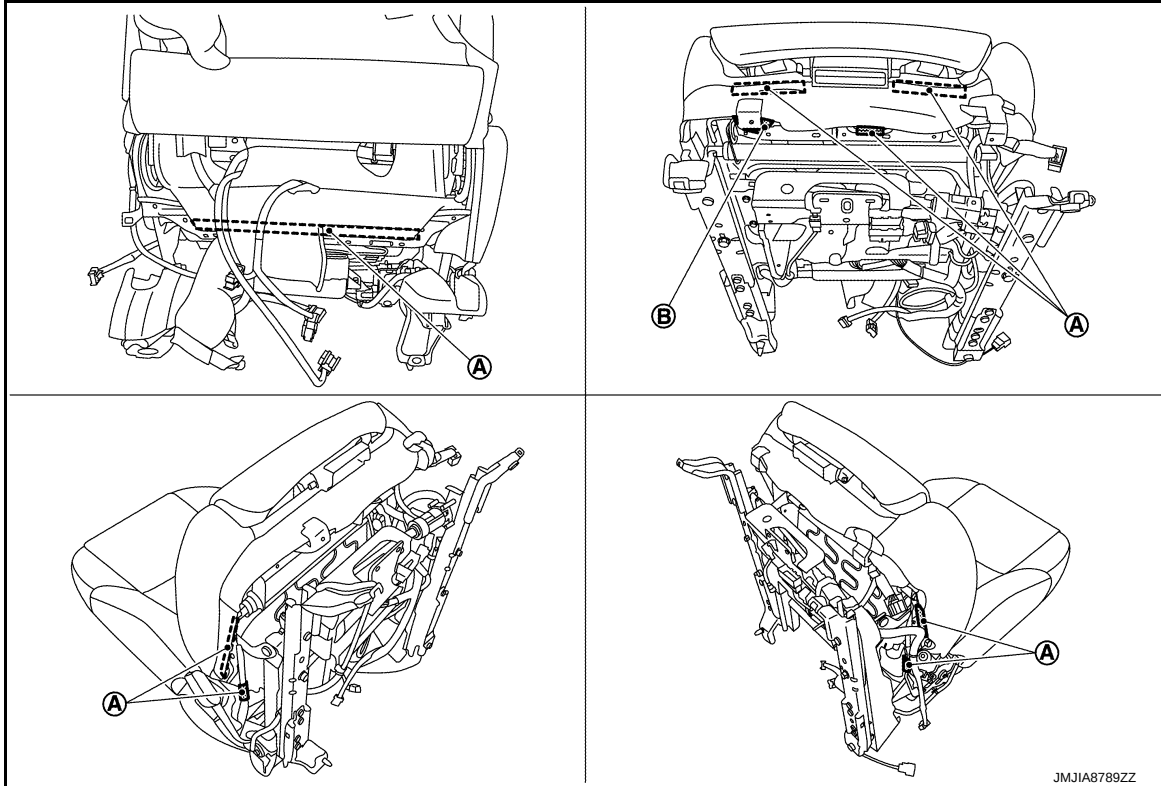


6. Disengage seat cushion retainer (A) and rubber band (B).

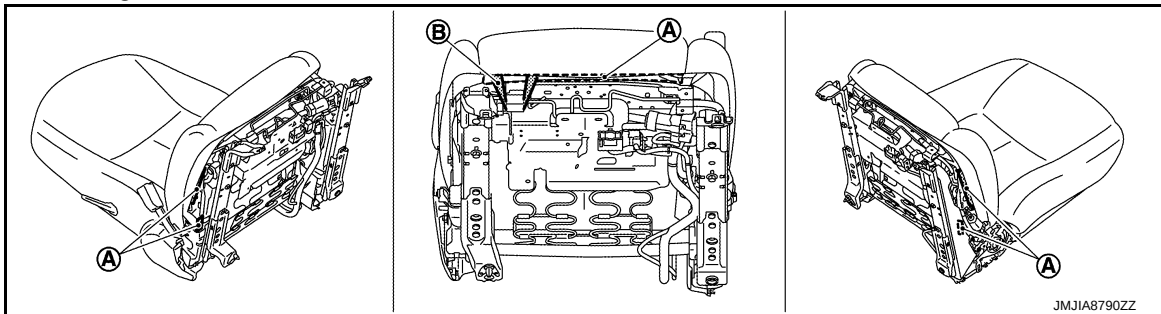
FRONT SEAT

< REMOVAL AND INSTALLATION >

- With thigh extension

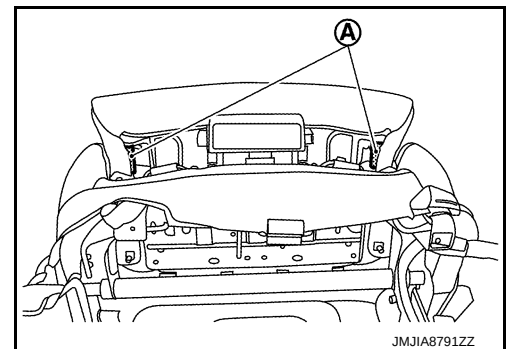


- Without thigh extension



7. Remove seat cushion retainer of thigh extension portion (with thigh extension only).

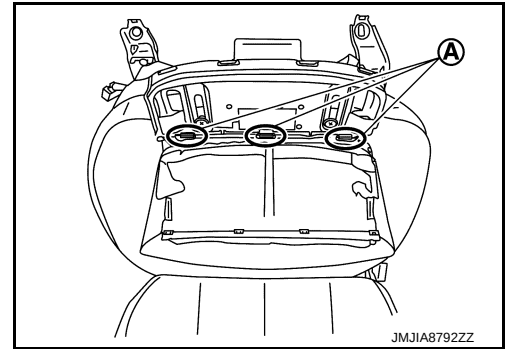
- Extend thigh extension.
- Remove seat cushion retainer ①, and then roll up seat cushion trim and thigh extension pad as a set.



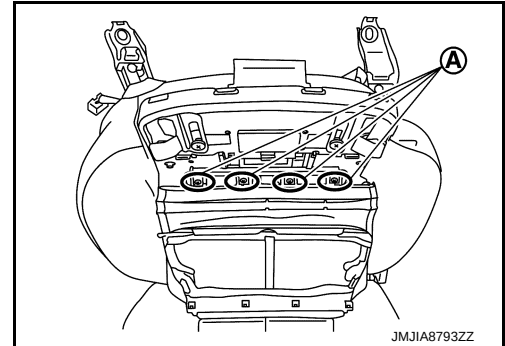
FRONT SEAT

< REMOVAL AND INSTALLATION >

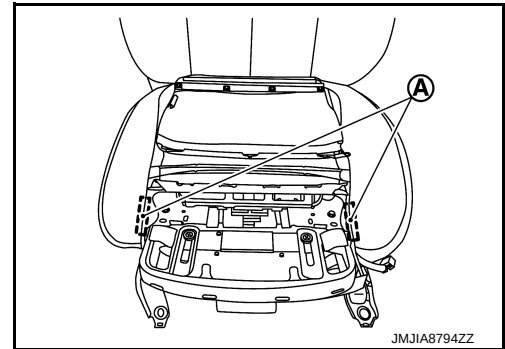
- c. Disengage seat cushion trim fixing portion ①.



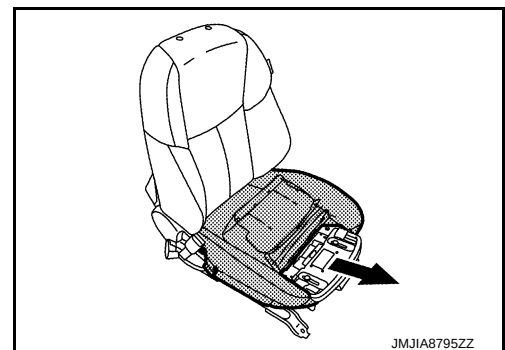
- d. Disengage seat cushion trim fixing portion ①.



- e. Remove seat cushion retainer ①.



8. Remove seat cushion trim and seat cushion pad as a set.



9. Remove hog rings, and then separate seat cushion trim and seat cushion pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Assemble in the reverse order of disassembly.

SEAT CUSHION FINISHER

SEAT CUSHION FINISHER : Removal and Installation

SEAT CUSHION FORWARD FINISHER

INFOID:0000000009687507

FRONT SEAT

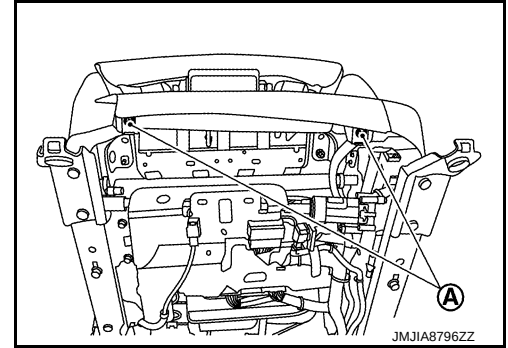
< REMOVAL AND INSTALLATION >

Removal

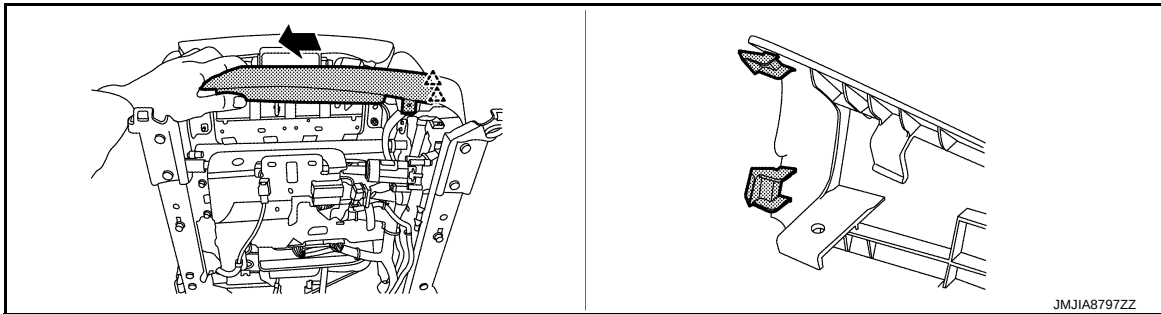
CAUTION:

When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

1. Remove seat cushion forward finisher fixing screws (A).



2. Slide the seat cushion forward finisher, disengage seat cushion forward finisher fixing pawls, and then remove seat cushion forward finisher.



 : Pawl

Installation

Install in the reverse order of removal.

SEAT CUSHION INSIDE FINISHER

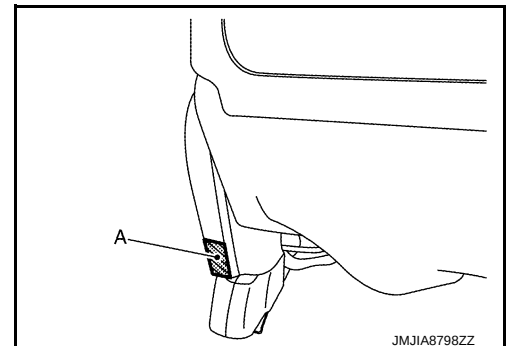
Removal

CAUTION:

When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

SEAT CUSHION INSIDE FINISHER (OUTER SIDE / INNER SIDE) REAR

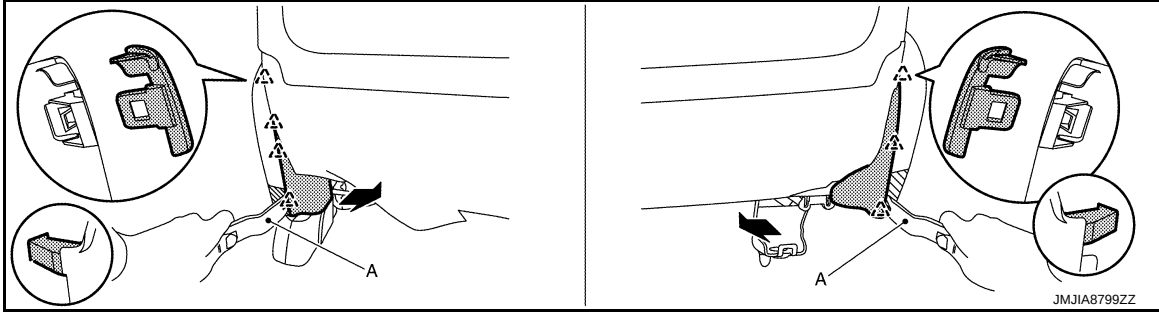
1. Apply protective tape (A) on the parts to protect it from damage.



FRONT SEAT

< REMOVAL AND INSTALLATION >

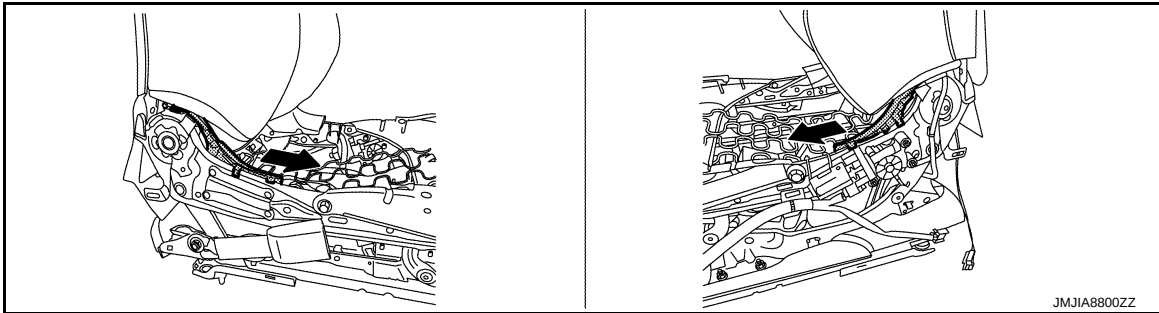
- Disengage seat cushion inside finisher (outer side / inner side) rear fixing pawls using a remover tool (A), and then remove seat cushion inside finisher (outer side / inner side) rear.



△ : Pawl

SEAT CUSHION INSIDE FINISHER (OUTER SIDE / INNER SIDE) FRONT

- Remove seat cushion. Refer to [SE-85, "SEAT CUSHION : Disassembly and Assembly"](#).
- Remove seat cushion outside finisher inner side (seat cushion inside finisher inner side front only).
- Pull seat cushion inside finisher (outer side / inner side) front, and then remove seat cushion inside finisher (outer side / inner side) front.



Installation

Install in the reverse order of removal.

SEAT CUSHION OUTSIDE FINISHER

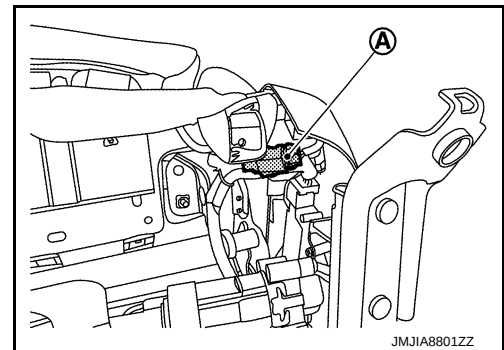
Removal

CAUTION:

When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

SEAT CUSHION OUTSIDE FINISHER OUTER SIDE

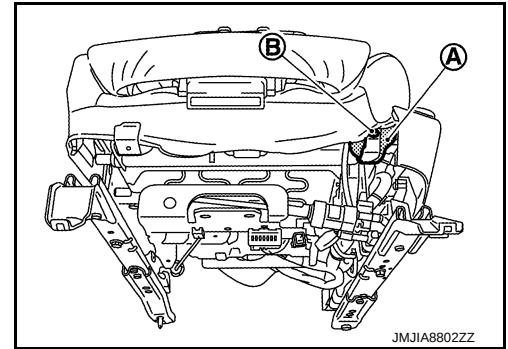
- Remove seat cushion forward finisher.
- Disconnect side support harness connector (A) (with side support only).



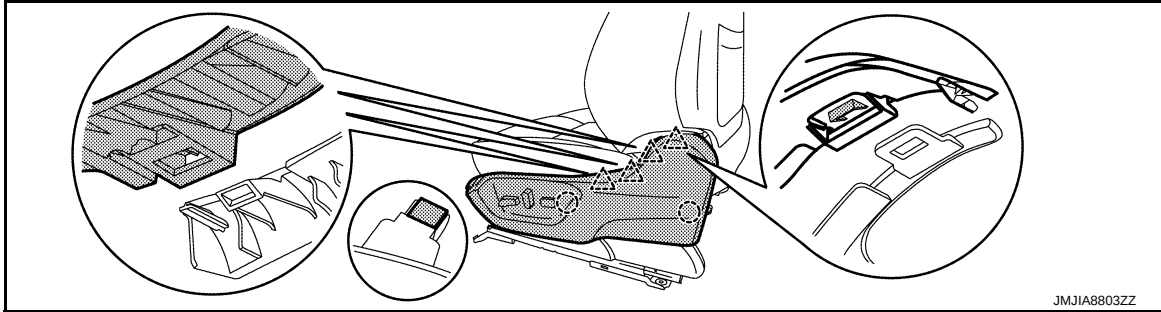
FRONT SEAT

< REMOVAL AND INSTALLATION >

3. Remove seat cushion trim fixing rubber band (A), and then remove seat cushion outside finisher outer side fixing screw (B).

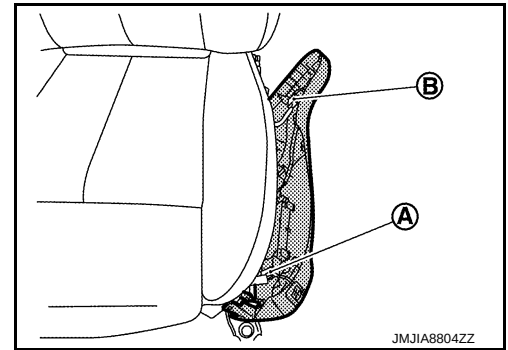


4. Remove seat cushion inside finisher outer side rear.
5. Disengage seat cushion outside finisher outer side fixing clips and pawls.



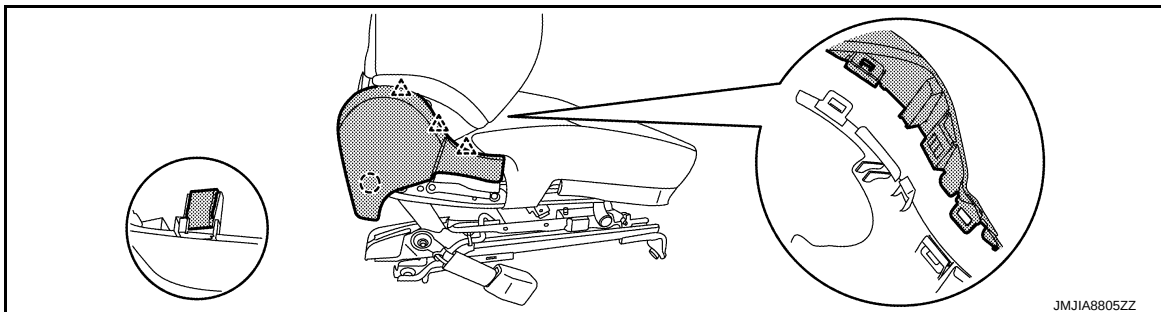
○ : Clip
△ : Pawl

6. Disconnect harness connector (A), (B) (if equipped), and then remove seat cushion outside finisher outer side.



SEAT CUSHION OUTSIDE FINISHER INNER SIDE

1. Remove seat cushion inside finisher inner side rear.
2. Disengage seat cushion outside finisher inner side fixing clip and pawls, and then remove seat cushion outside finisher inner side.



○ : Clip
△ : Pawl

FRONT SEAT

< REMOVAL AND INSTALLATION >

Installation

Install in the reverse order of removal.

LOWER FINISHER

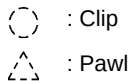
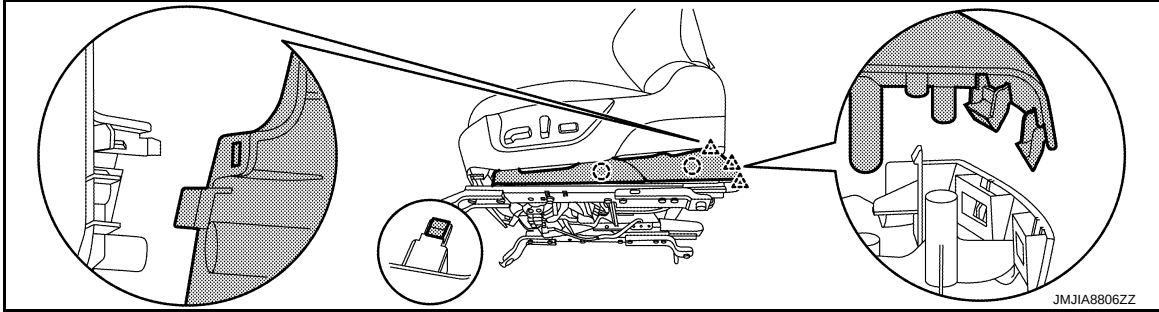
Removal

CAUTION:

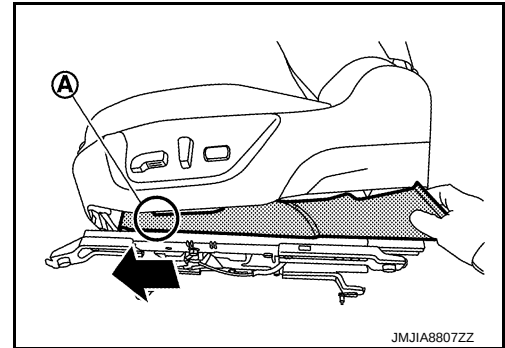
When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

SEAT CUSHION OUTSIDE FINISHER OUTER SIDE LOWER

1. Disengage seat cushion outside finisher outer side lower fixing pawls and clips.

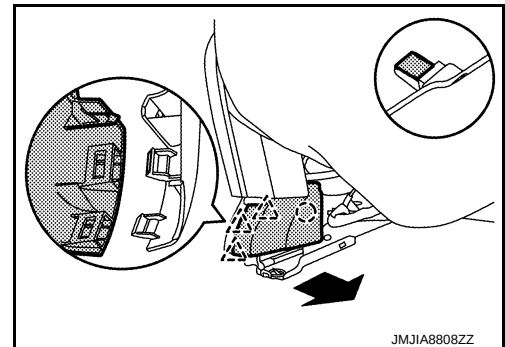
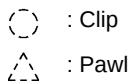


2. Slide the fixing portion ① of seat cushion outside finisher outer side lower, and then remove seat cushion outside finisher outer side lower.



SEAT CUSHION INSIDE FINISHER OUTER SIDE LOWER

1. Disengage seat cushion inside finisher outer side lower fixing clip and pawls, and then remove seat cushion inside finisher outer side lower.



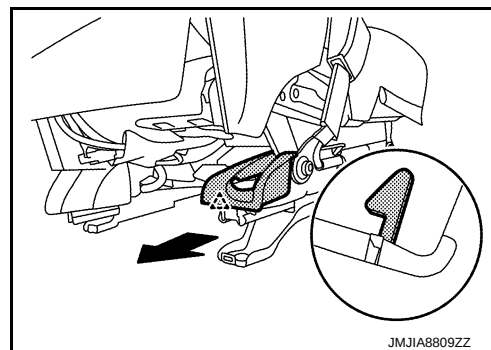
SEAT CUSHION LOWSIDE FINISHER INNER SIDE

FRONT SEAT

< REMOVAL AND INSTALLATION >

1. Disengage seat cushion lowside finisher inner side fixing pawls by pull, and then remove seat cushion lowside finisher inner side.

 : Pawl



Installation

Install in the reverse order of removal.

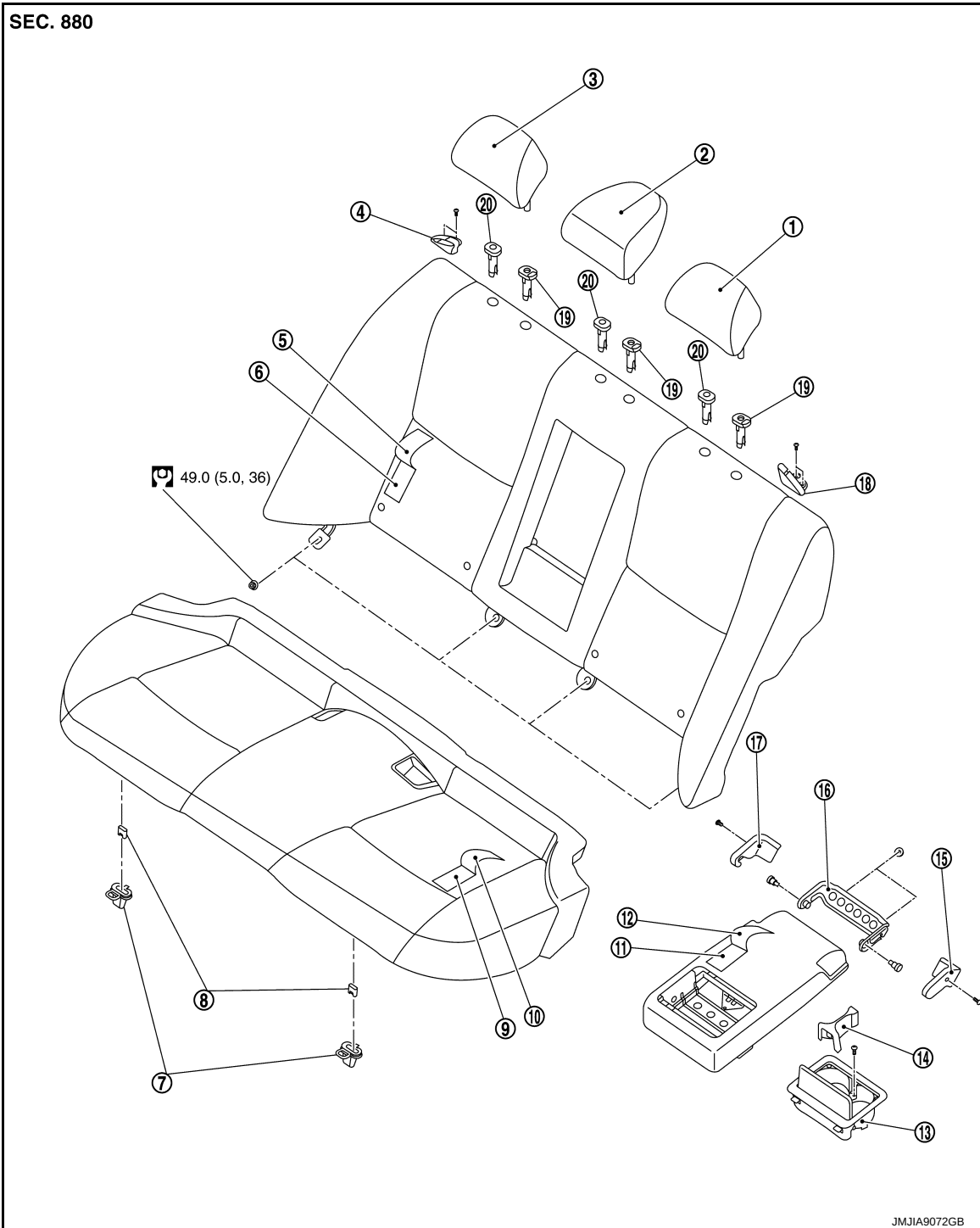
REAR SEAT (BENCH SEAT)

< REMOVAL AND INSTALLATION >

REAR SEAT (BENCH SEAT)

Exploded View

INFOID:000000009695264



- | | | |
|---------------------|---------------------|---------------------|
| ① Headrest LH | ② Headrest center | ③ Headrest RH |
| ④ Seat belt hook RH | ⑤ Seatback trim | ⑥ Seatback pad |
| ⑦ Seat cushion hook | ⑧ Hook cover | ⑨ Seat cushion pad |
| ⑩ Seat cushion trim | ⑪ Armrest pad | ⑫ Armrest trim |
| ⑬ Cup holder | ⑭ Cup holder spacer | ⑮ Hinge cover LH |
| ⑯ Hinge bracket | ⑰ Hinge cover RH | ⑱ Seat belt hook LH |

REAR SEAT (BENCH SEAT)

< REMOVAL AND INSTALLATION >

①⑨ Headrest holder (lock)

②⑩ Headrest holder (free)

 : N·m (kg-m, ft-lb)

ARMREST

ARMREST : Removal and Installation

INFOID:000000009695265

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

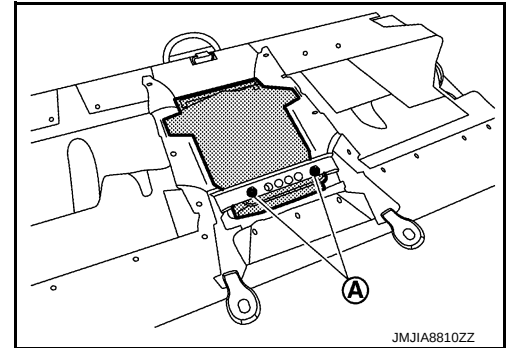
REMOVAL

1. Remove seatback. Refer to [SE-96, "SEATBACK : Removal and Installation"](#).
2. Remove armrest trim fixing hog rings.

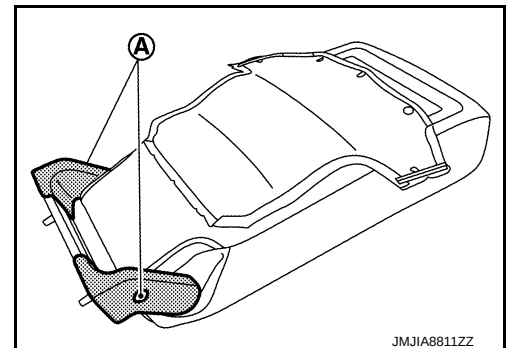
CAUTION:

Before performing separating operation, check the installation position of hog rings.

3. Remove armrest fixing nuts ①, and then remove armrest.



4. Remove hinge cover fixing clips ②, and then remove hinge covers.



INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.

ARMREST : Disassembly and Assembly

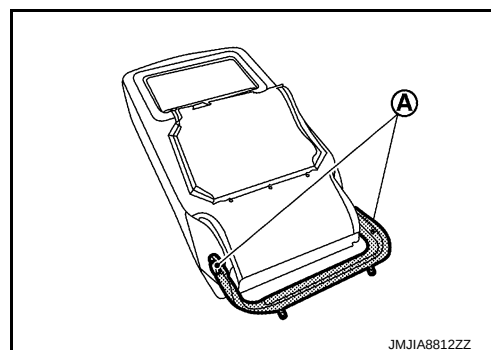
INFOID:000000009695266

DISASSEMBLY

REAR SEAT (BENCH SEAT)

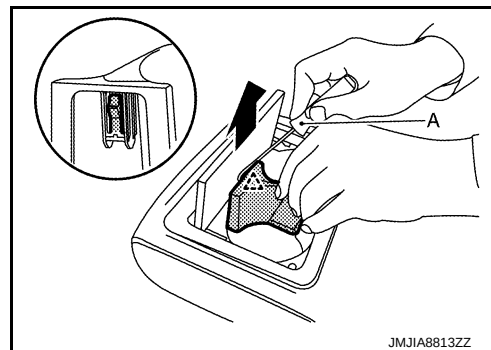
< REMOVAL AND INSTALLATION >

1. Remove hinge bracket fixing bolts ①, and then remove hinge bracket.



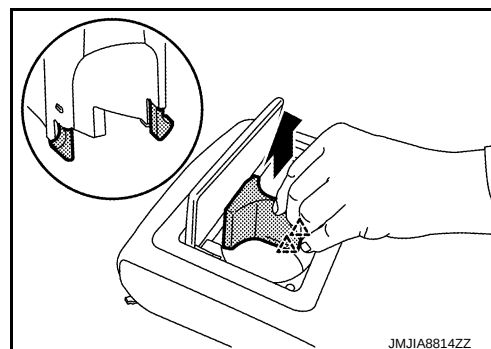
2. Remove cup holder.
 - a. Disengage cup holder spacer fixing pawls by pull up while push cup holder spacer fixing pawl using a pic tool (A).

 : Pawl

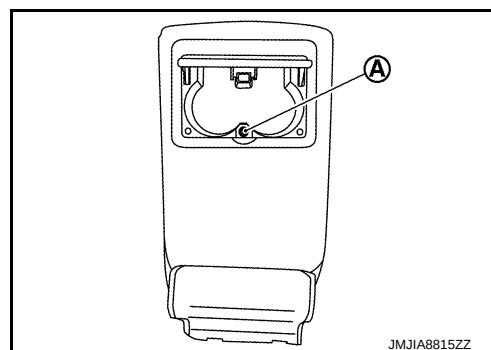


- b. Disengage cup holder spacer fixing pawls, and then remove cup holder spacer.

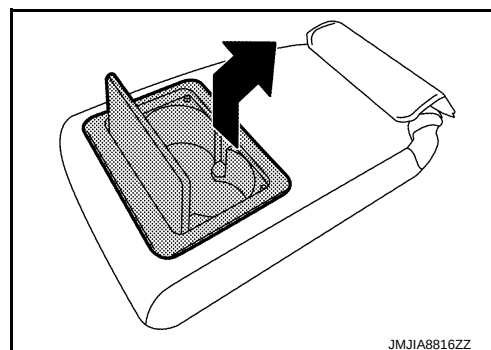
 : Pawl



- c. Remove cup holder fixing screw ①.



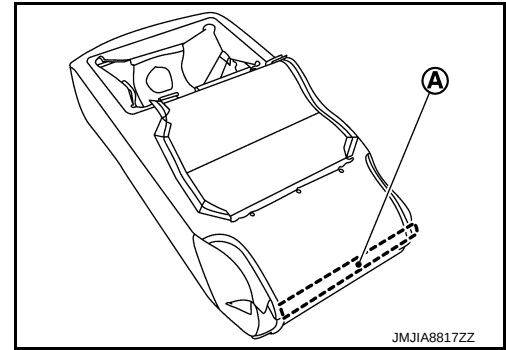
- d. Pull up cup holder of vehicle rear side, and then remove cup holder.



REAR SEAT (BENCH SEAT)

< REMOVAL AND INSTALLATION >

3. Disengage armrest trim fixing retainer (A), and then separate armrest trim and armrest pad.



ASSEMBLY

Assemble in the reverse order of disassembly.

SEAT CUSHION

SEAT CUSHION : Removal and Installation

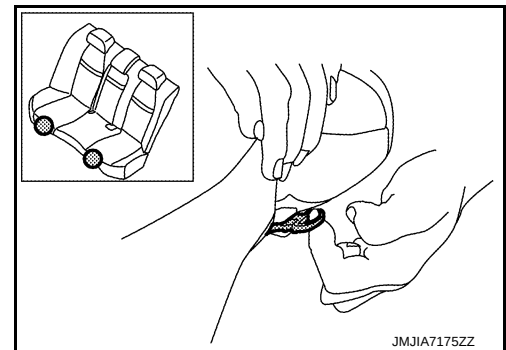
INFOID:000000009695267

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

REMOVAL

1. Lift up seat cushion while pulling a seat cushion hook levers, and then disengage seat cushion hook.



2. Remove seat cushion from vehicle.

INSTALLATION

Install in the reverse order of removal.

SEAT CUSHION : Disassembly and Assembly

INFOID:000000009695268

DISASSEMBLY

Remove hog rings, and then separate seat cushion trim and seat cushion pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.

SEATBACK

SEATBACK : Removal and Installation

INFOID:000000009695269

CAUTION:

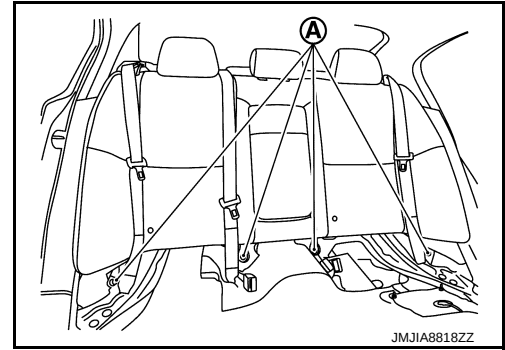
When removing and installing, use shop cloths to protect parts from damage.

REMOVAL

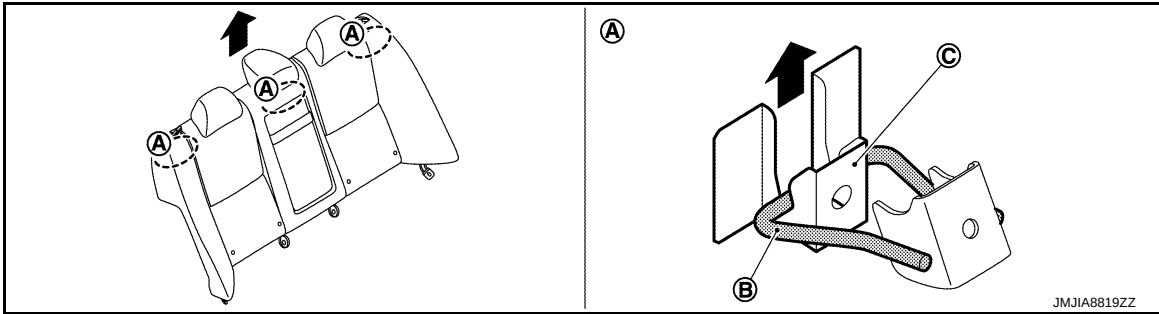
REAR SEAT (BENCH SEAT)

< REMOVAL AND INSTALLATION >

1. Remove seat cushion. Refer to [SE-96, "SEAT CUSHION : Removal and Installation"](#).
2. Remove seat belt from seat belt hook.
3. Remove seatback fixing nuts (A).



4. Lift up seatback, disengage seatback frame (B) from engaging portion (C), and then remove seatback.



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing, temporarily tighten all fixing bolts, and then tighten bolts to specified torque.

SEATBACK : Disassembly and Assembly

INFOID:000000009695270

SE

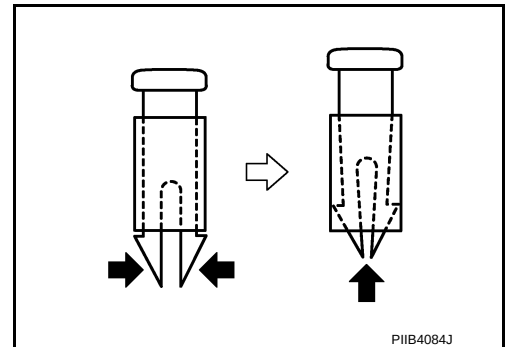
DISASSEMBLY

1. Remove armrest. Refer to [SE-94, "ARMREST : Removal and Installation"](#).
2. Remove headrest holder.

CAUTION:

Before installing headrest holder check its orientation (front/ rear and right/ left).

Use pincers, etc., to press up pawls as shown by the arrows in the figure, and remove headrest holder from seatback.



3. Remove hog rings, and then separate seatback trim and seatback pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.

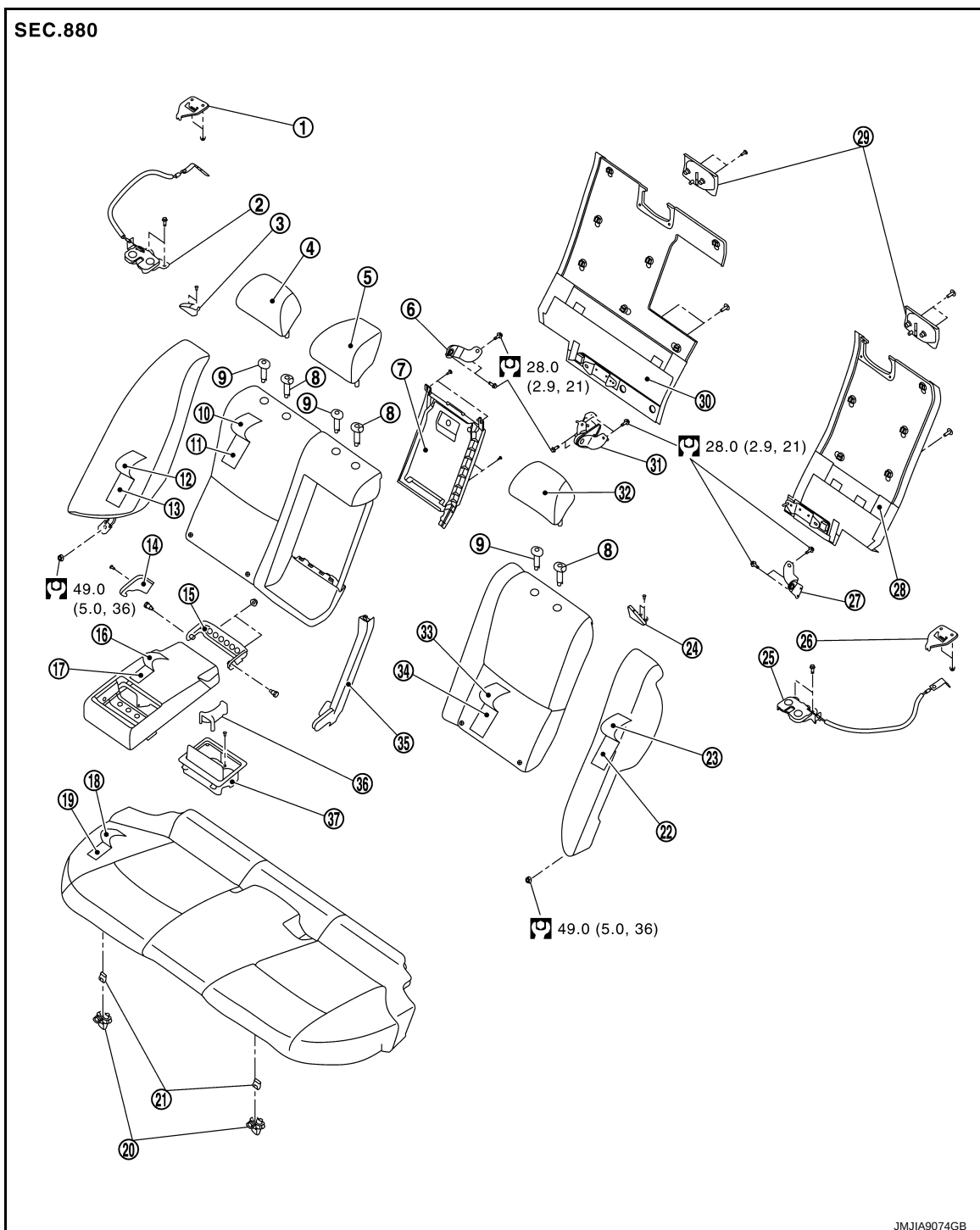
REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

REAR SEAT (6 : 4 SEPARATE SEAT)

Exploded View

INFOID:000000009695271

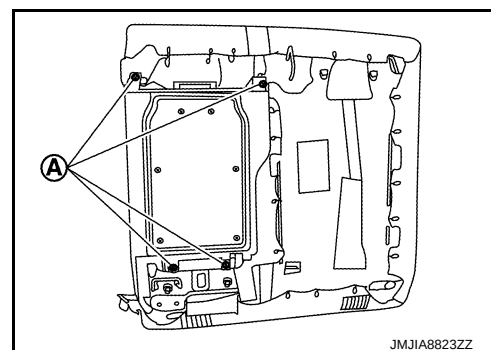


- | | | |
|------------------------|--------------------------|--------------------------|
| ① Cable bracket RH | ② Seat lock RH | ③ Seat belt hook RH |
| ④ Headrest RH | ⑤ Headrest center | ⑥ Seatback hinge RH |
| ⑦ Seatback lid | ⑧ Headrest holder (lock) | ⑨ Headrest holder (free) |
| ⑩ Seatback trim RH | ⑪ Seatback pad RH | ⑫ Seatback side trim RH |
| ⑬ Seatback side pad RH | ⑭ Hinge cover RH | ⑮ Hinge bracket |
| ⑯ Armrest trim | ⑰ Armrest pad | ⑱ Seat cushion trim |

REAR SEAT (6 : 4 SEPARATE SEAT)

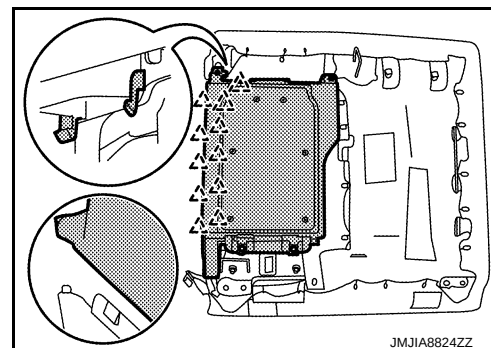
< REMOVAL AND INSTALLATION >

- b. Remove seatback lid fixing screws (A).

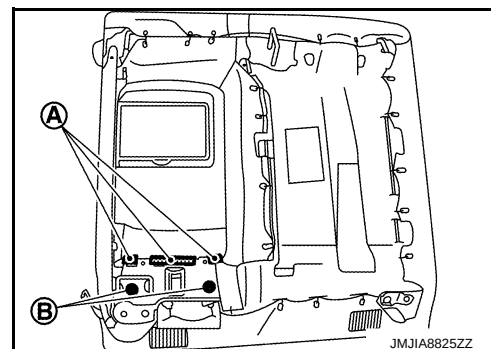


- c. Disengage seatback trim fixing pawls, and then remove seatback lid.

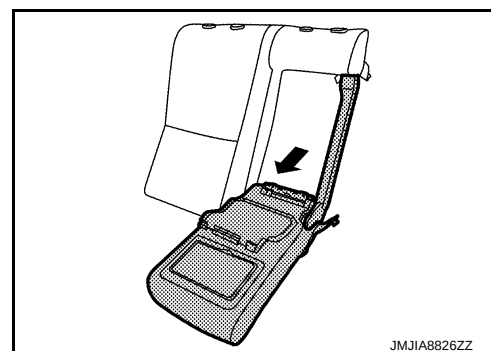
 : Pawl



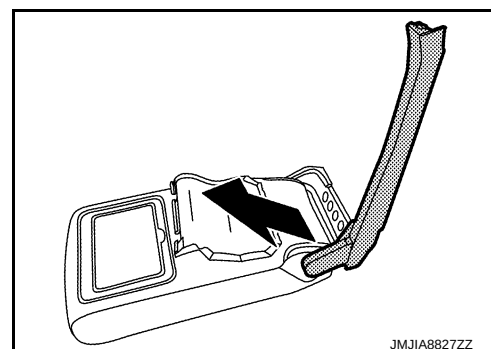
3. Remove armrest trim fixing retainer (A) and armrest fixing nuts (B).



4. Pull armrest, and then remove armrest and armrest escutcheon as a set.



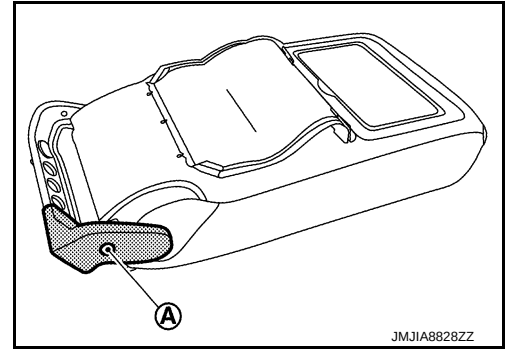
5. Remove armrest escutcheon.



REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

6. Remove hinge cover.
Remove hinge cover fixing clip (A), and then remove hinge cover.



INSTALLATION

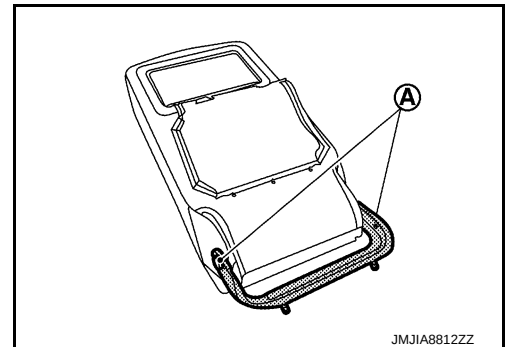
Install in the reverse order of removal.

ARMREST : Disassembly and Assembly

INFOID:000000009695273

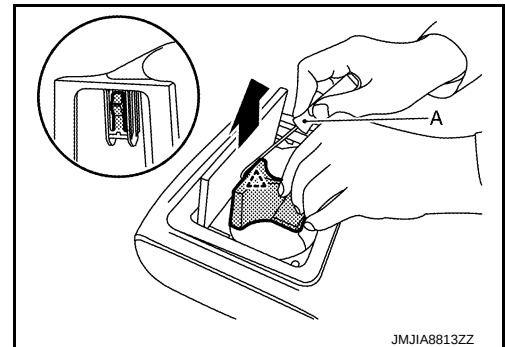
DISASSEMBLY

1. Remove hinge bracket fixing bolts (A), and then remove hinge bracket.



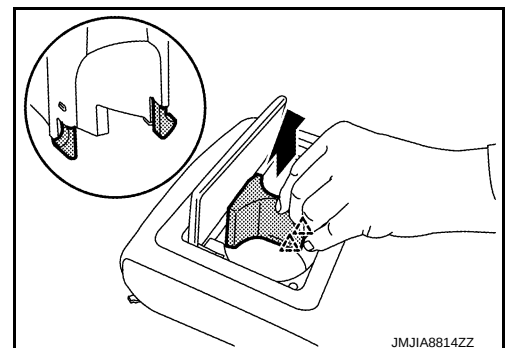
2. Remove cup holder.
 - a. Disengage cup holder spacer fixing pawls by pull up while push cup holder spacer fixing pawl using a pic tool (A).

 : Pawl



- b. Disengage cup holder spacer fixing pawls, and then remove cup holder spacer.

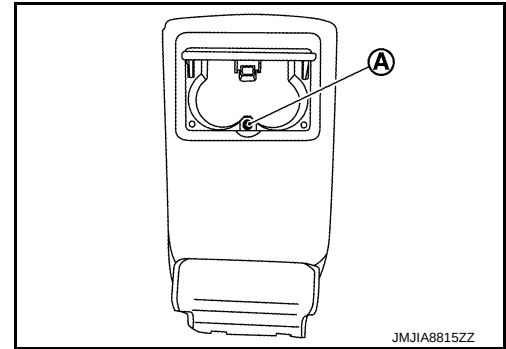
 : Pawl



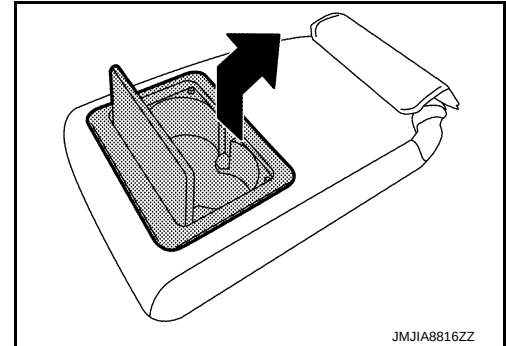
REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

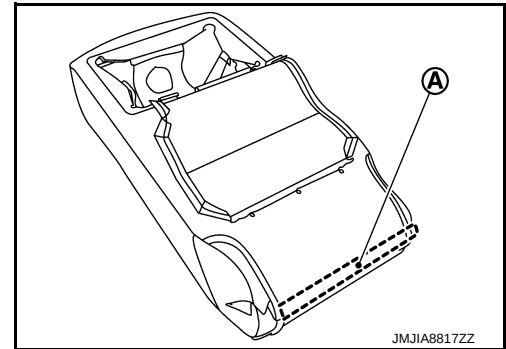
- c. Remove cup holder fixing screw ①.



- d. Pull up cup holder of vehicle rear side, and then remove cup holder.



3. Disengage armrest trim fixing retainer ①, and then separate armrest trim and armrest pad.



ASSEMBLY

Assemble in the reverse order of disassembly.

SEATBACK

SEATBACK : Removal and Installation

INFOID:000000009695274

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

REMOVAL

Seatback

CAUTION:

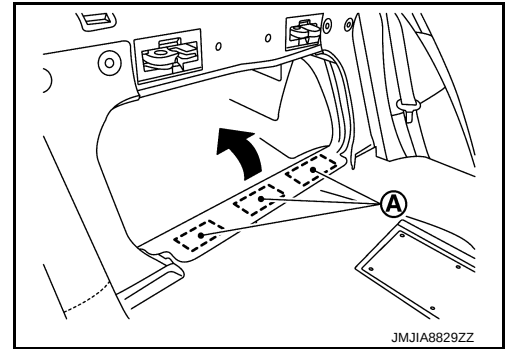
Never remove seat cushion during seatback removal and installation to prevent dirt on the seatback.

1. Pull the strap to fold seatback down.

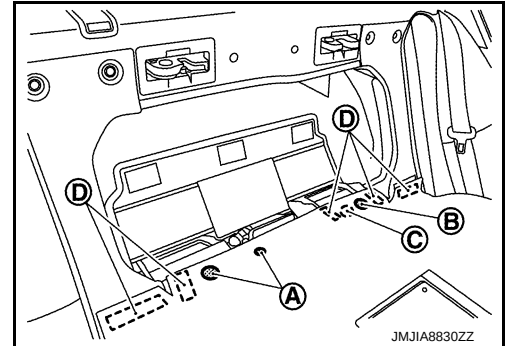
REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

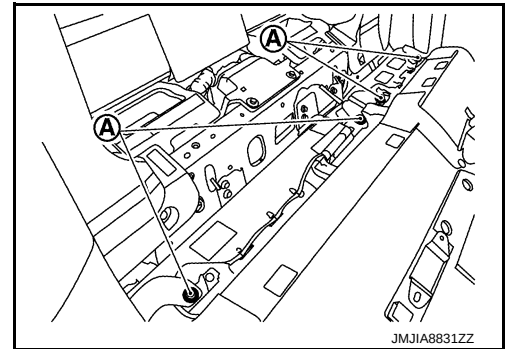
2. Disengage hook-and-loop fastener ① for trunk floor carpet.



3. Roll up trim for seatback board.
 - a. Remove clips
 - RH side
Remove seatback board trim fixing clips ①, and then disengage hook-and-loop fastener ④.
 - LH side
Remove seatback board trim fixing clips ②, and then disengage hook-and-loop fastener ④, clip ③.
 - b. Further roll up the trim, and disengage hook-and-loop fastener, to expose seatback fixing bolts.

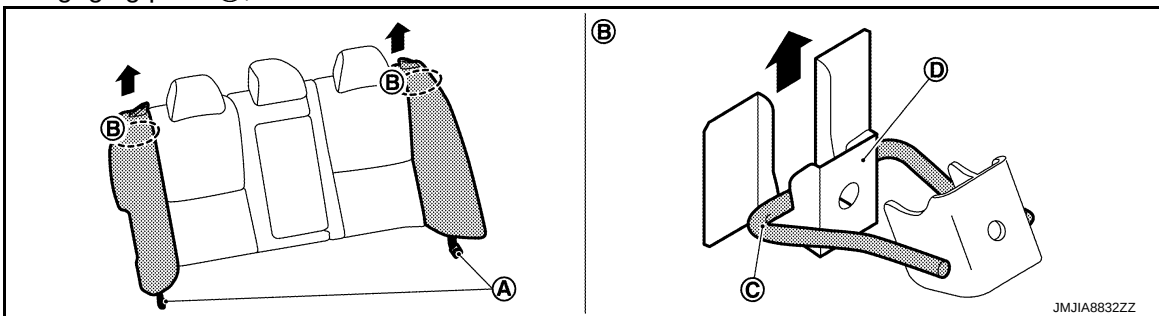


4. Remove seatback fixing bolts ①, and then remove seatback.



Seatback side

1. Remove seat cushion. Refer to [SE-105, "SEAT CUSHION : Removal and Installation"](#).
2. Remove seat belt from seat belt hook.
3. Remove seatback side fixing nut ①, and then lift up seatback side, disengage seatback side frame ③ from engaging point ④, remove seatback side.



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing, temporarily tighten all fixing bolts, and then tighten bolts to specified torque.

REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

SEATBACK : Disassembly and Assembly

INFOID:000000009695275

DISASSEMBLY

Seatback RH

1. Remove armrest. Refer to [SE-99, "ARMREST : Removal and Installation"](#).

2. Remove hog rings.

CAUTION:

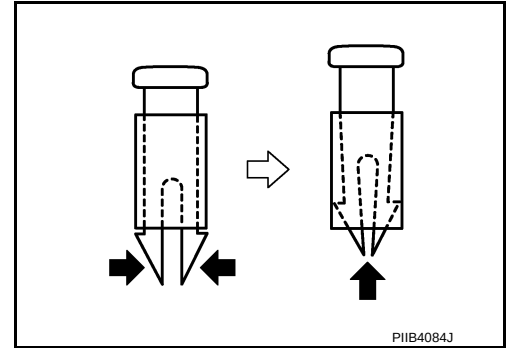
Before performing separating operation, check the installation position of hog rings.

3. Remove headrest holder.

CAUTION:

Before installing headrest holder check its orientation (Front/rear and right/left).

Remove the headrest holder by raising it while pinching the pawls from the bottom of the headrest holder.

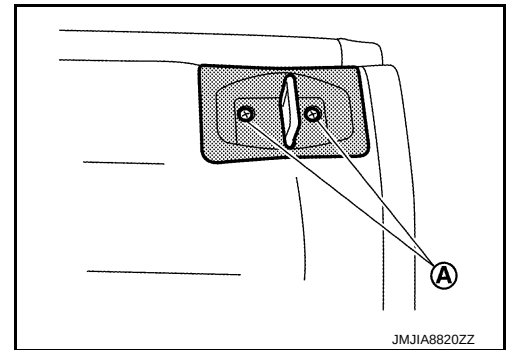


4. Separate seatback trim and seatback pad.

Seatback LH

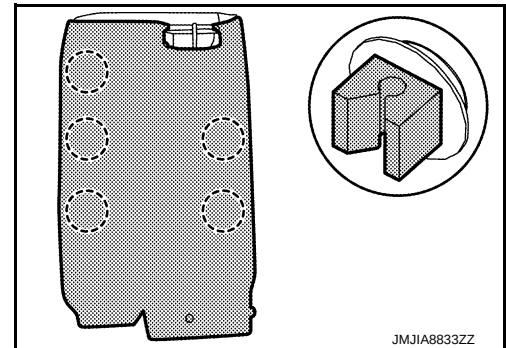
1. Remove seatback board.

- a. Remove striker cover fixing screws (A), and then remove striker cover.



- b. Disengage seatback board fixing clips, and then remove seatback board.

 : Clip



2. Remove headrest holder.

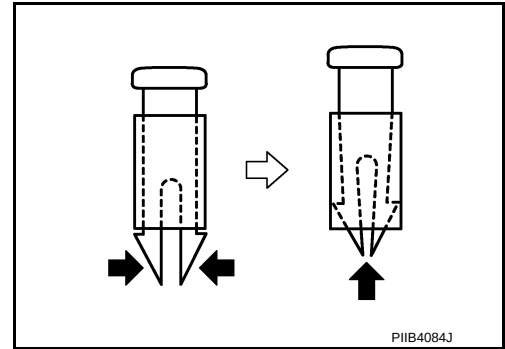
CAUTION:

Before installing headrest holder check its orientation (Front/rear and right/left).

REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

Remove the headrest holder by raising it while pinching the pawls from the bottom of the headrest holder.



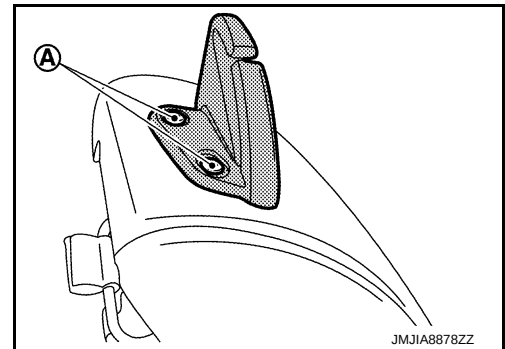
3. Remove hog rings, and then separate seatback trim and seatback pad.

CAUTION:

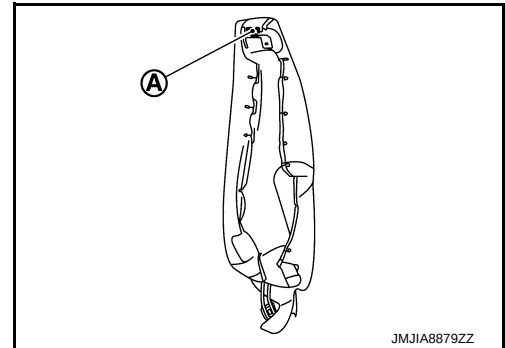
Before performing separating operation, check the installation position of hog rings.

Seatback side

1. Remove seat belt hook fixing screws (A), and then remove seat belt hook.



2. Disengage seatback side trim fixing retainer (A).



3. Remove hog rings, and then separate seatback side trim and seatback side pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.

SEAT CUSHION

SEAT CUSHION : Removal and Installation

INFOID:000000009695276

CAUTION:

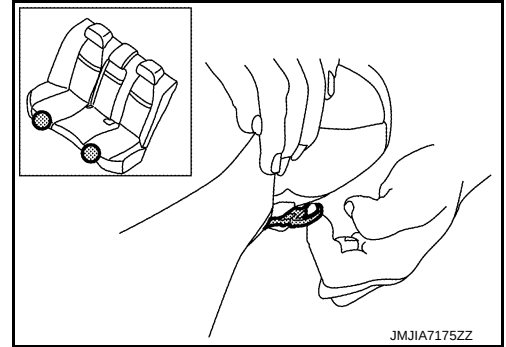
When removing and installing, use shop cloths to protect parts from damage.

REMOVAL

REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

1. Lift up seat cushion while pulling a seat cushion hook levers, and then disengage seat cushion hook.



2. Remove seat cushion from vehicle.

INSTALLATION

Install in the reverse order of removal.

SEAT CUSHION : Disassembly and Assembly

INFOID:000000009695277

DISASSEMBLY

Remove hog rings, and then separate seat cushion trim and seat cushion pad.

CAUTION:

Before performing separating operation, check the installation position of hog rings.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- For hog ring that is removed or crimped unsuccessfully, fix it by using a new hog ring. (Never reuse hog ring.)
- Always install the hog rings in position.

SEATBACK HINGE

SEATBACK HINGE : Removal and Installation

INFOID:000000009695278

REMOVAL

1. Remove seatback Refer to [SE-96, "SEATBACK : Removal and Installation"](#).
2. Remove seatback hinge fixing bolts, and then remove seatback hinge.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing, temporarily tighten all fixing bolts, and then tighten bolts to specified torque.

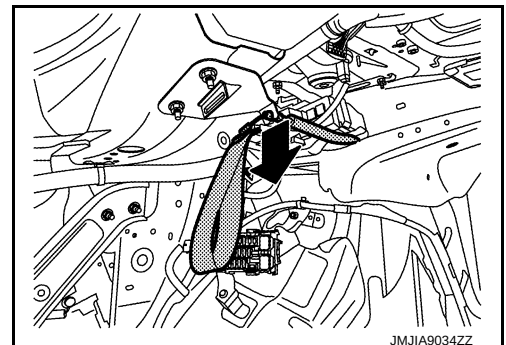
SEAT LOCK

SEAT LOCK : Removal and Installation

INFOID:000000009695279

REMOVAL

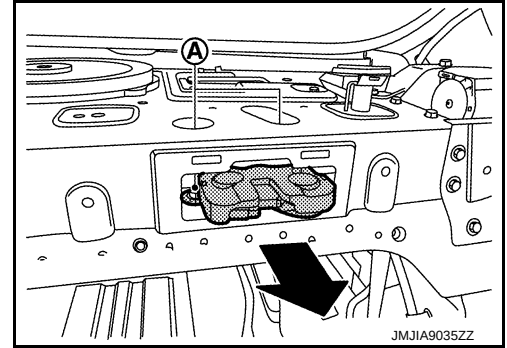
1. Remove trunk upper finisher. Refer to [INT-50, "TRUNK UPPER FINISHER : Removal and Installation"](#).
2. Pull down cable, and then remove cable.



REAR SEAT (6 : 4 SEPARATE SEAT)

< REMOVAL AND INSTALLATION >

3. Remove rear parcel shelf finisher. Refer to [INT-33, "Removal and Installation"](#).
4. Remove center seat belt retractor (RH side only). Refer to [SB-14, "SEAT BELT RETRACTOR : Removal and Installation"](#).
5. Remove seat lock fixing bolts ①, and then remove seat lock.



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing, temporarily tighten all fixing bolts, and then tighten bolts to specified torque.

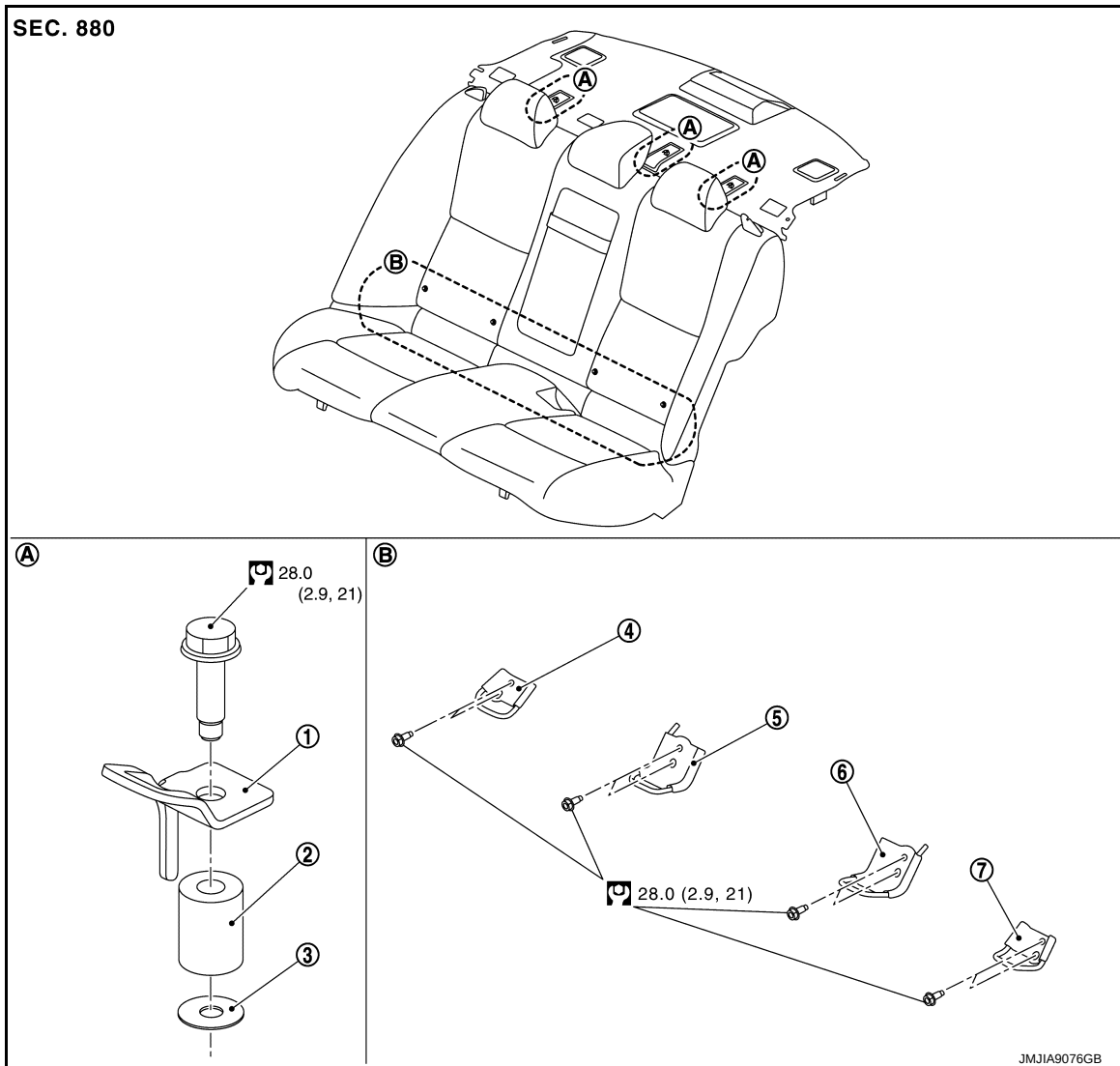
CHILD SEAT ANCHOR

< REMOVAL AND INSTALLATION >

CHILD SEAT ANCHOR

Exploded View

INFOID:000000009695280



- | | | |
|------------------------------|-----------------------------|-----------------------------|
| ① Tether anchorage plate | ② Tether anchorage spacer | ③ Lock washer |
| ④ ISO FIX bracket RH outside | ⑤ ISO FIX bracket RH inside | ⑥ ISO FIX bracket LH inside |
| ⑦ ISO FIX bracket LH outside | | |

: N·m (kg-m, ft-lb)

TETHER ANCHOR PLATE

TETHER ANCHOR PLATE : Removal and Installation

INFOID:000000009695281

REMOVAL

1. Remove rear parcel shelf finisher. Refer to [INT-33, "Removal and Installation"](#).
2. Remove tether anchorage plate fixing bolt, and then remove tether anchorage plate.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing, temporarily tighten all fixing bolts, and then tighten fixing bolts to specified torque.

CHILD SEAT ANCHOR

< REMOVAL AND INSTALLATION >

ISO FIX BRACKET

ISO FIX BRACKET : Removal and Installation

INFOID:000000009695282

REMOVAL

- 1. Remove seat back.
Bench seat: Refer to [SE-96, "SEATBACK : Removal and Installation"](#).
Separate seat: Refer to [SE-102, "SEATBACK : Removal and Installation"](#).
- 2. Remove seatback hinge LH/RH (separate seat only). Refer to [SE-106, "SEATBACK HINGE : Removal and Installation"](#).
- 3. Remove ISO FIX bracket fixing bolt and then remove ISO FIX bracket.

INSTALLATION

Install in the reverse order of removal.

A
B
C
D
E
F
G
H
I
K
L
M
N
O
P

SE

POWER SEAT SWITCH

< REMOVAL AND INSTALLATION >

POWER SEAT SWITCH

Removal and Installation

INFOID:000000009641376

REMOVAL

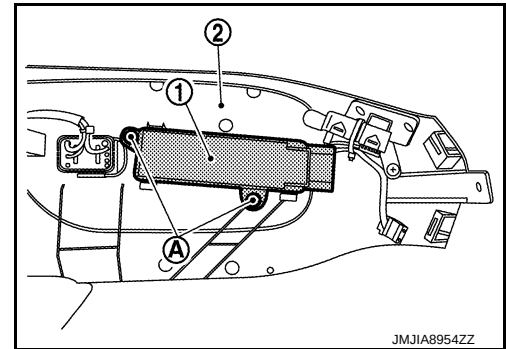
CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

1. Remove front seat. Refer to [SE-78, "Removal and Installation"](#).
2. Remove seat cushion outside finisher outer side. Refer to [SE-87, "SEAT CUSHION FINISHER : Removal and Installation"](#).
3. Disconnect power seat switch connector.
4. Remove power seat switch mounting screws (A).
5. Remove power seat switch ① from seat cushion outer finisher ②.

NOTE:

The same procedure is also performed for passenger side.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

Always clamp the harness to the right place.

LUMBAR SUPPORT SWITCH

< REMOVAL AND INSTALLATION >

LUMBAR SUPPORT SWITCH

Removal and Installation

INFOID:000000009641377

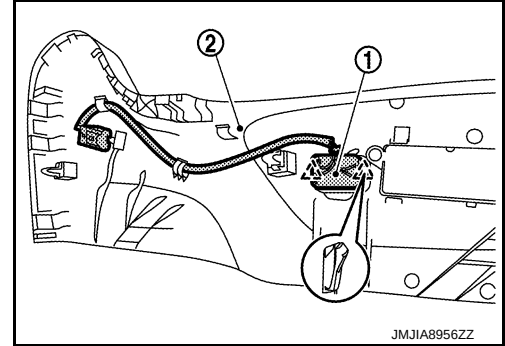
REMOVAL

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

1. Remove front seat. Refer to [SE-78, "Removal and Installation"](#).
2. Remove seat cushion outside finisher outer side. Refer to [SE-87, "SEAT CUSHION FINISHER : Removal and Installation"](#).
3. Disconnect the lumbar support switch connector.
4. Disengage the fixing pawls, and then remove lumbar support switch ① from seat cushion outer finisher ②.

 : Pawl



INSTALLATION

Install in the reverse order of removal.

CAUTION:

Always clamp the harness to the right place.

A
B
C
D
E
F
G
H
I
K
L
M
N
O
P

SE

SIDE SUPPORT SWITCH

< REMOVAL AND INSTALLATION >

SIDE SUPPORT SWITCH

Removal and Installation

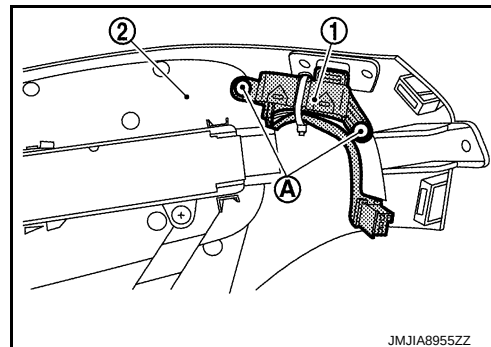
INFOID:000000009641378

REMOVAL

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

1. Remove front seat. Refer to [SE-78. "Removal and Installation"](#).
2. Remove seat cushion outside finisher outer side. Refer to [SE-87. "SEAT CUSHION FINISHER : Removal and Installation"](#).
3. Disconnect the side support switch connector.
4. Remove the side support switch mounting screws (A).
5. Remove side support switch ① from the seat cushion outer finisher ②.



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INSTALLATION

Install in the reverse order of removal.

CAUTION:

Always clamp the harness to the right place.