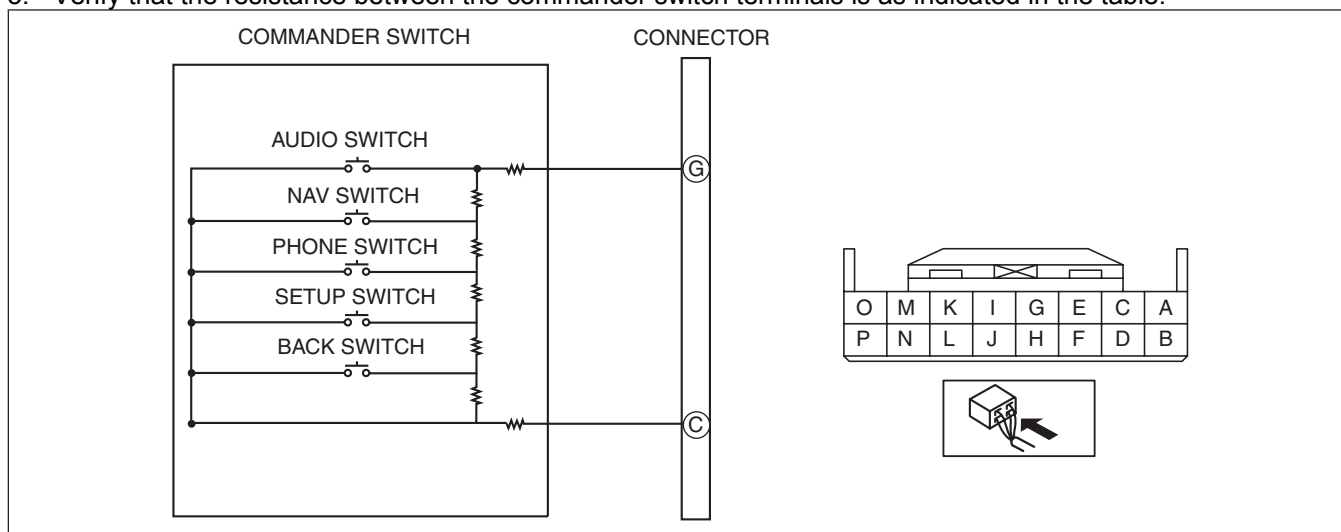


COMMANDER SWITCH INSPECTION

id092000811400

Switch panel

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the following parts:
 - (1) Front console box (See FRONT CONSOLE BOX REMOVAL/INSTALLATION.)
 - (2) Shift lever knob (MTX) (See MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [C66M-R, C66MX-R].)(See MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
 - (3) Shift panel (See SHIFT PANEL REMOVAL/INSTALLATION.)
 - (4) Upper panel (See UPPER PANEL REMOVAL/INSTALLATION.)
 - (5) Commander switch (See COMMANDER SWITCH REMOVAL/INSTALLATION.)
3. Verify that the resistance between the commander switch terminals is as indicated in the table.



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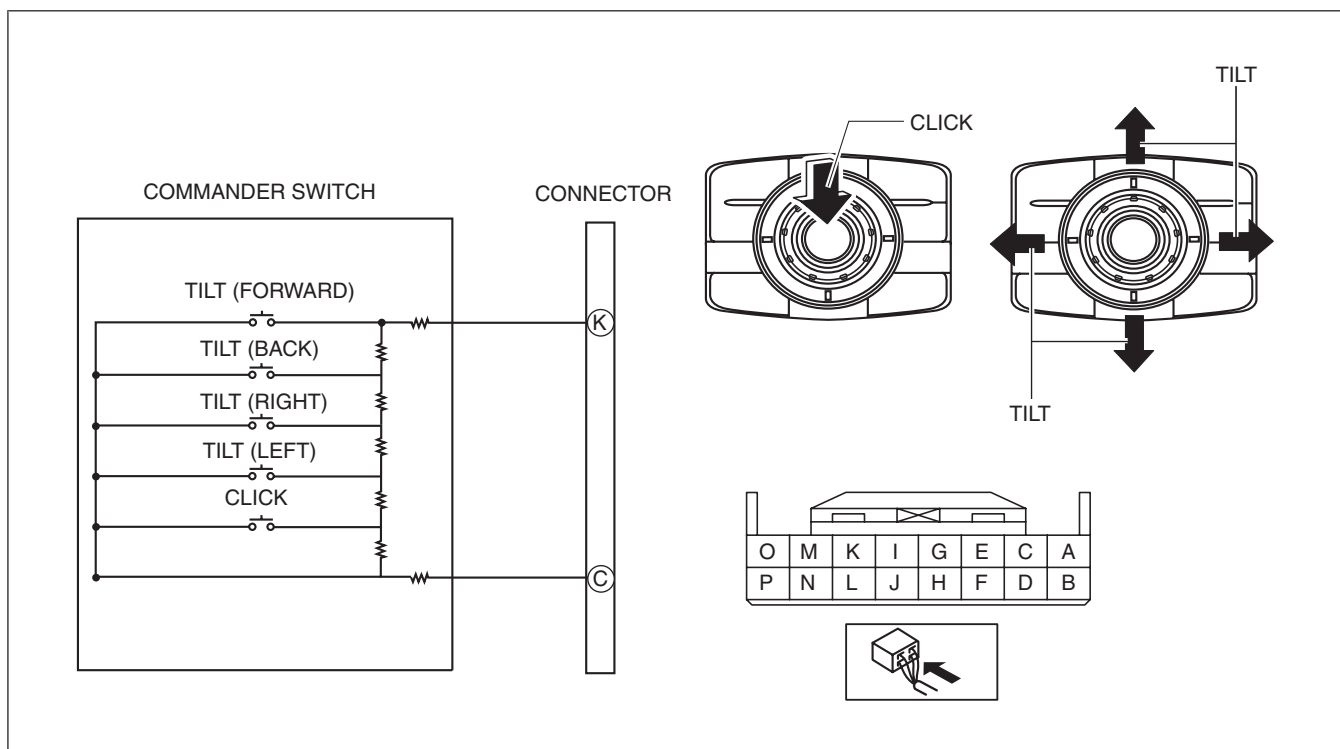
- If not as indicated in the table, replace the commander switch.

Resistance		
Switch Position	Terminal	
	G	C
AUDIO Switch ON	○—○	53.064—56.136
NAV Switch ON	○—○	145.233—150.167
PHONE Switch ON	○—○	297.693—305.707
SETUP Switch ON	○—○	556.083—569.317
BACK Switch ON	○—○	1,026.333—1,049.067
OFF	○—○	4,967.233—5,099.167

ac5wzw00003313

Commander knob (forward, back, left, right)

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the following parts:
 - (1) Front console box (See FRONT CONSOLE BOX REMOVAL/INSTALLATION.)
 - (2) Shift lever knob (MTX) (See MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [C66M-R, C66MX-R].)(See MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
 - (3) Shift panel (See SHIFT PANEL REMOVAL/INSTALLATION.)
 - (4) Upper panel (See UPPER PANEL REMOVAL/INSTALLATION.)
 - (5) Commander switch (See COMMANDER SWITCH REMOVAL/INSTALLATION.)
3. Verify that the resistance between the commander switch terminals is as indicated in the table.



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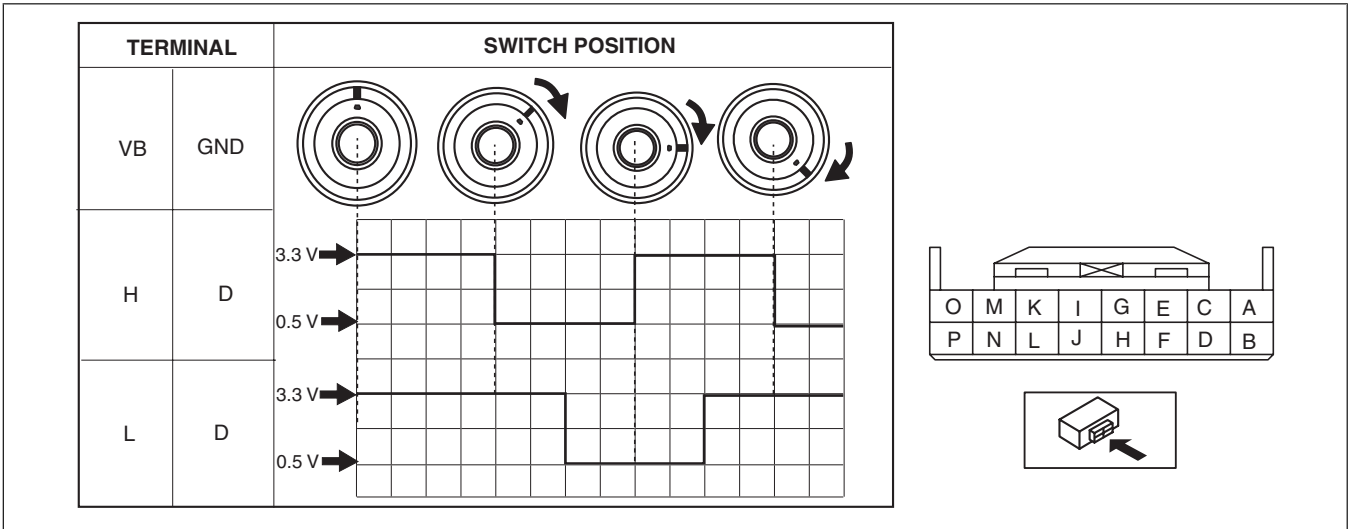
- If not as indicated in the table, replace the commander switch.

Resistance		
Switch Position	Terminal	
	K	C
TILT (FORWARD)	○—○	53.064—56.136
TILT (BACK)	○—○	145.233—150.167
TILT (RIGHT)	○—○	297.693—305.707
TILT (LEFT)	○—○	556.083—569.317
CLICK	○—○	2,016.333—2,059.067
OFF	○—○	4,996.333—5,099.167

ac5wzw00003315

Commander knob (rotation)

1. Connect the commander switch connector.
2. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
3. The ignition is switched to ACC or ON (engine off).
4. When the commander knob is rotated once step at a time, verify that the voltage between terminals and the waveforms are as indicated in the table.



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- If the voltage is not as indicated in the table, verify the related wiring harness.
- If the related wiring harness is normal, replace the commander switch.