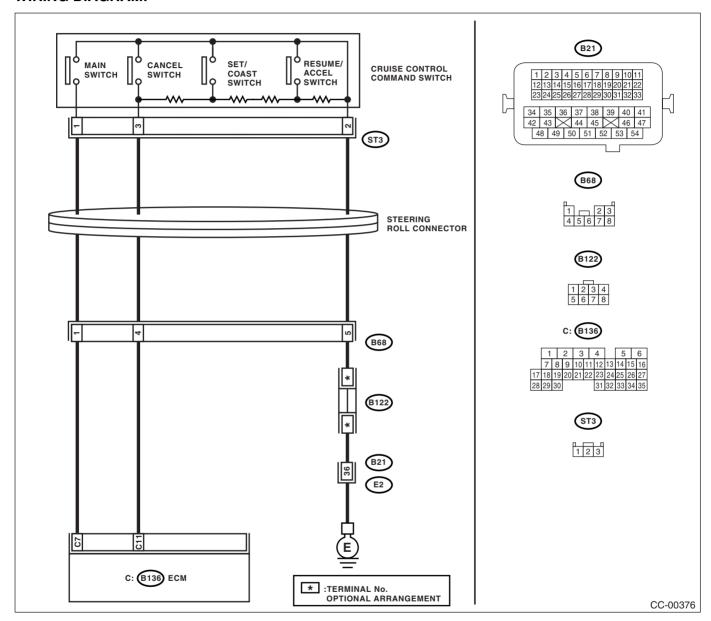
A: DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH TROUBLE SYMPTOM:

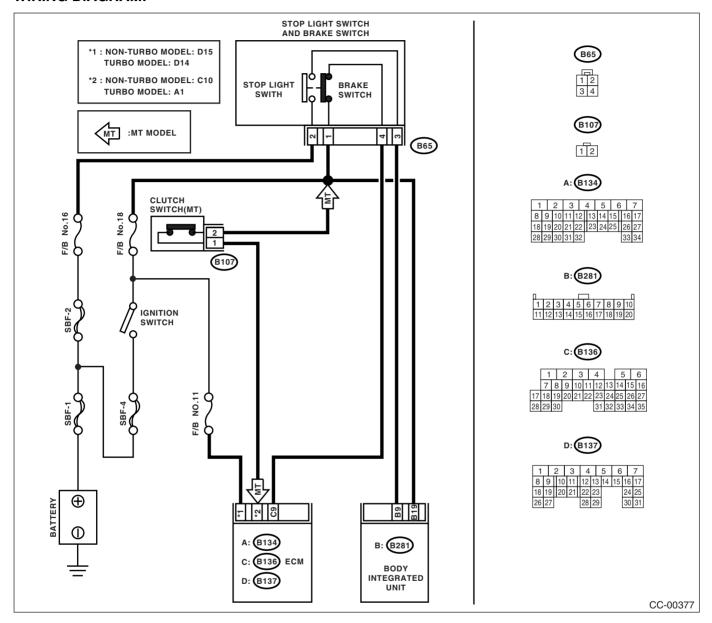
- Cruise control cannot be set. (Cancelled immediately.)
- · Cruise control cannot be released.



	Step	Check	Yes	No
1	CHECK CRUISE CONTROL COMMAND SWITCH CIRCUIT. 1) Remove the driver's airbag module. <ref. ab-13,="" airbag="" driver's="" module.="" removal,="" to=""> 2) Disconnect the harness connector of cruise control command switch. 3) Turn the ignition switch ON. 4) Measure the voltage between harness connector terminal and chassis ground. Connector & terminal (ST3) No. 1 (+) — Chassis ground (-): (ST3) No. 3 (+) — Chassis ground (-):</ref.>	Is the voltage more than 5 V?	Go to step 2.	Check the harness between cruise control command switch and ECM for open or shorted circuit.
2	CHECK CANCEL SWITCH. 1) Turn the ignition switch to OFF. 2) Remove the cruise control command switch. <ref. cc-4,="" command="" control="" cruise="" removal,="" switch.="" to=""> 3) Measure the resistance between switch terminals when the CANCEL switch is pressed and not pressed. Terminals No. 2 — No. 3:</ref.>	Is the resistance approx. less than 1 Ω when the CANCEL switch is pressed? Is the resistance approx. 4 k Ω when the CANCEL switch is not pressed?	Go to step 3.	Replace the cruise control command switch. <ref. to<br="">CC-4, Cruise Con- trol Command Switch.></ref.>
3	CHECK SET/COAST SWITCH. Measure the resistance between switch terminals when SET/COAST switch is pressed and not pressed. Terminals No. 2 — No. 3:	Is the resistance approx. 250 Ω when SET/COAST switch is pressed? Is the resistance approx. 4 k Ω when SET/COAST switch is not pressed?	Go to step 4.	Replace the cruise control command switch. <ref. to<br="">CC-4, Cruise Con- trol Command Switch.></ref.>
4	Measure the resistance between switch termi-	Is the resistance approx. 1,500 Ω when RESUME/ACCEL switch is pressed? Is the resistance approx. 4 k Ω when RESUME/ACCEL switch is not pressed?	Replace the ECM. <ref. (ecm).="" control="" engine="" fu(h4so)-40,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h4dotc)-45,="" module="" to=""></ref.></ref.>	Replace the cruise control command switch. <ref. to<br="">CC-4, Cruise Con- trol Command Switch.></ref.>

B: DTC 12 AND 25 STOP LIGHT SWITCH AND BRAKE SWITCH TROUBLE SYMPTOM:

- · Cruise control cannot be set.
- · Cruise control cannot be released.



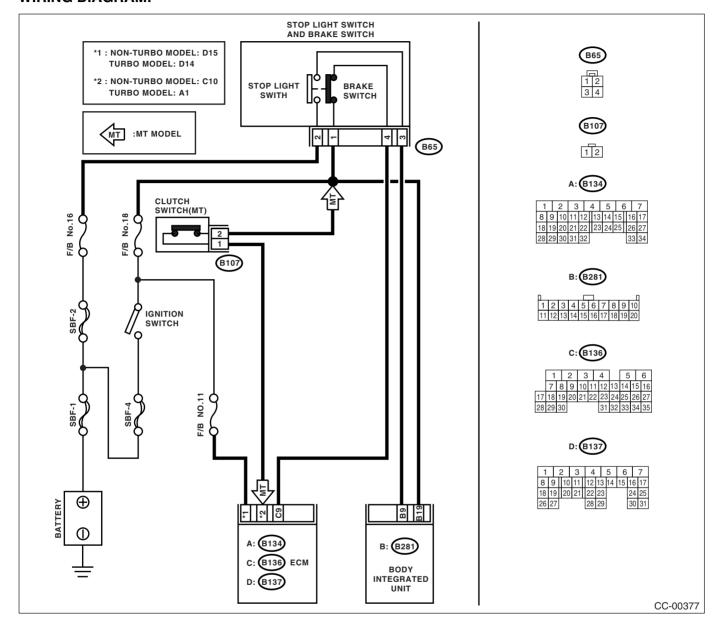
	Step	Check	Yes	No
1	CHECK STOP LIGHT SWITCH AND BRAKE	Is the voltage more than 10 V?	Go to step 2.	 Check fuse No.
	SWITCH CIRCUIT.			16 (in fuse & relay
	 Turn the ignition switch to OFF. 			box).
	2) Disconnect the stop light switch and brake			 Check for open
	switch harness connector.			or short in the har-
	Turn the ignition switch ON.			ness between stop
	4) Measure the voltage between harness con-			light/brake switch
	nector terminal and chassis ground.			and fuse & relay
	Connector & terminal			box.
	(B65) No. 2 (+) — Chassis ground (–):			

	Step	Check	Yes	No
2	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH CIRCUIT. Measure the voltage between harness connector terminal and chassis ground. Connector & terminal (B65) No. 1 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Go to step 3.	 Check fuse No. 18 (in fuse & relay box). Check for open or short in the harness between stop light/brake switch and fuse & relay box. Check the clutch switch and circuit.
3	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the harness connector of ECM. 3) Disconnect the harness connector of body integrated unit. 4) Measure the resistance between harness connector terminals of ECM and of body integrated unit, and between harness connector terminals of stop light switch and of brake switch. Connector & terminal (B281) No. 9 — (B65) No. 3: (B136) No. 9 — (B65) No. 4:	Is the resistance less than 10 Ω ?	Go to step 4.	Repair the harness.
4	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH Remove and check the stop light switch and brake switch. <ref. and="" brake="" cc-5,="" light="" stop="" switch.="" to=""></ref.>	Are the stop light switch and brake switch OK?	Stop light switch and brake switch circuit are OK.	Replace the stop light switch and brake switch.

C: DTC 13 CLUTCH SWITCH

TROUBLE SYMPTOM:

- · Cruise control cannot be set.
- · Cruise control cannot be released.



	Step	Check	Yes	No
1	CHECK CLUTCH SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the clutch switch harness connector. 3) Turn the ignition switch ON. 4) Measure the voltage between harness connector terminal and chassis ground. Connector & terminal	Is the voltage more than 10 V?	Go to step 2.	Check fuse No. 18 (in fuse & relay box). Check open or shorted circuit of harness between clutch switch and fuse & relay box.
	Connector & terminal (B107) No. 2 (+) — Chassis ground (–):			fuse & relay box.

	Step	Check	Yes	No
2	CHECK CLUTCH SWITCH CIRCUIT.	Is the resistance less than 10	Go to step 3.	Repair the har-
	 Turn the ignition switch to OFF. 	Ω ?		ness.
	2) Disconnect the harness connector of ECM.			
	3) Measure the resistance between clutch			
	switch harness connector terminal and ECM			
	harness connector terminal.			
	Connector & terminal			
	Turbo model			
	(B107) No. 1 — (B134) No. 1:			
	Non-turbo model			
	(B107) No. 1 — (B136) No. 10:			
3	CHECK CLUTCH SWITCH.	Is clutch switch OK?	Clutch switch cir-	Replace the clutch
	Remove and check the clutch switch. <ref. td="" to<=""><td></td><td>cuit is OK.</td><td>switch.</td></ref.>		cuit is OK.	switch.
	CC-6, Clutch Switch.>			

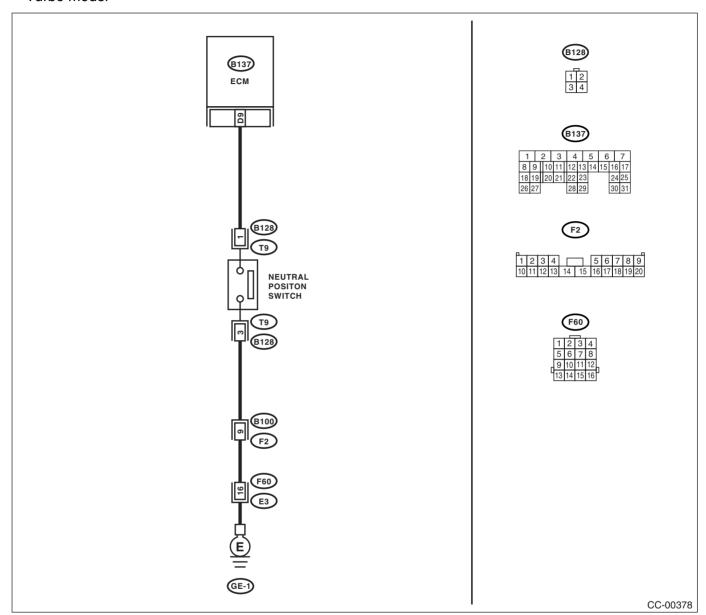
D: DTC 14 NEUTRAL POSITION SWITCH

TROUBLE SYMPTOM:

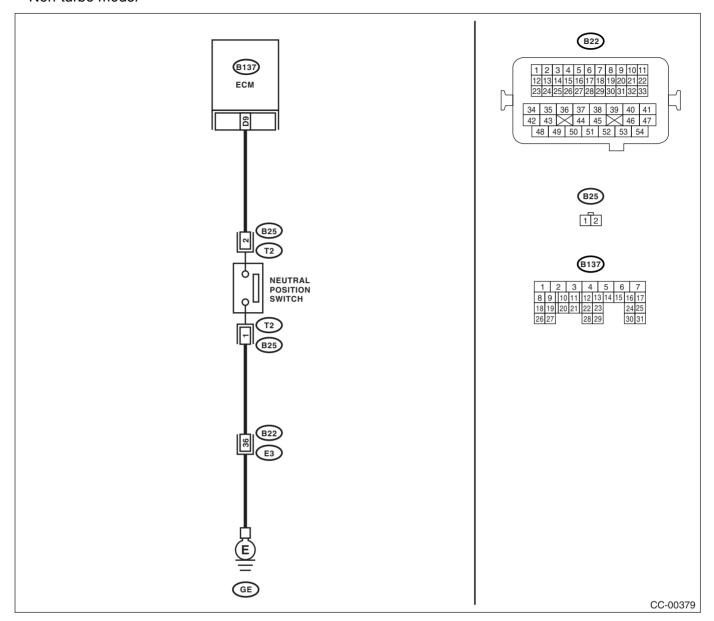
Cruise control cannot be set.

WIRING DIAGRAM:

· Turbo model



Non-turbo model



	Step	Check	Yes	No
1	CHECK NEUTRAL POSITION SWITCH CIR-	Is the voltage more than 10 V?	Go to step 2.	Check for open or
	CUIT.			short in the har-
	 Turn the ignition switch to OFF. 			ness between neu-
	2) Disconnect the neutral position switch har-			tral position switch
	ness connector.			and ECM.
	Turn the ignition switch ON.			
	4) Measure the voltage between harness con-			
	nector terminal and chassis ground.			
	Connector & terminal			
	Turbo model			
	(B128) No. 1 (+) — Chassis ground (–):			
	Non-turbo model			
	(B25) No. 2 (+) — Chassis ground (–):			

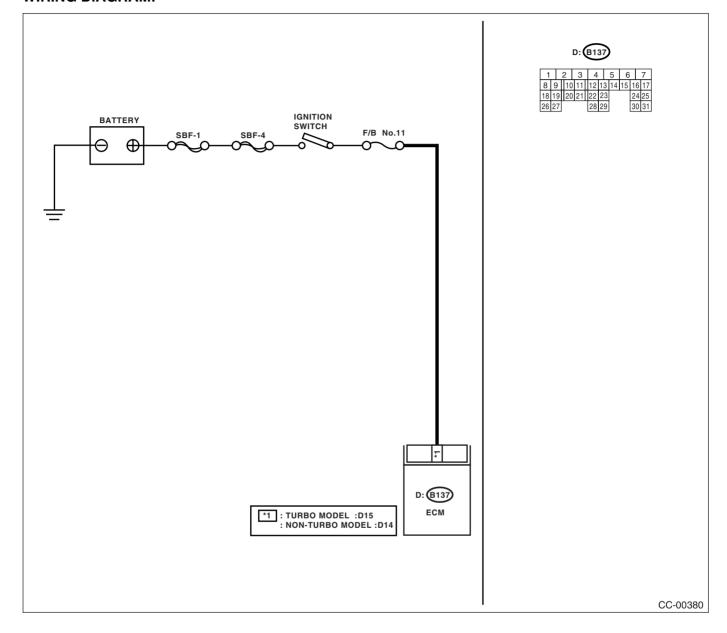
	Step	Check	Yes	No
2	CHECK NEUTRAL POSITION SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Measure resistance between harness connector terminal of neutral position switch and chassis ground. Connector & terminal Turbo model (B128) No. 3 — Chassis ground: Non-turbo model (B25) No. 3 — Chassis ground:	Is the resistance less than 10 Ω ?	Go to step 3.	Repair the harness.
3	CHECK NEUTRAL POSITION SWITCH. Remove and check the neutral position switch.	Is the neutral position switch OK?	The neutral position switch circuit is working properly.	Replace the neutral position switch.

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

E: DTC 16 IGNITION SWITCH

TROUBLE SYMPTOM:

Cruise control cannot be set.



	Step	Check	Yes	No
1	CHECK IGNITION SWITCH CIRCUIT	Is the voltage more than 10 V?	Check poor con-	 Check fuse No.
	 Turn the ignition switch to OFF. 		tact of ECM con-	11 (in fuse & relay
	2) Disconnect the ECM harness connector.		nector.	box).
	Turn the ignition switch ON.			 Check the har-
	4) Measure the voltage between harness con-			ness for open or
	nector terminal and chassis ground.			short circuit
	Connector & terminal			between ignition
	Turbo model			switch and ECM.
	(B137) No. 15 (+) — Chassis ground (–):			
	Non-turbo model			
	(B137) No. 14 (+) — Chassis ground (–):			

F: DTC 22 AND 32 VEHICLE SPEED SENSOR

DTC DETECTING CONDITION:

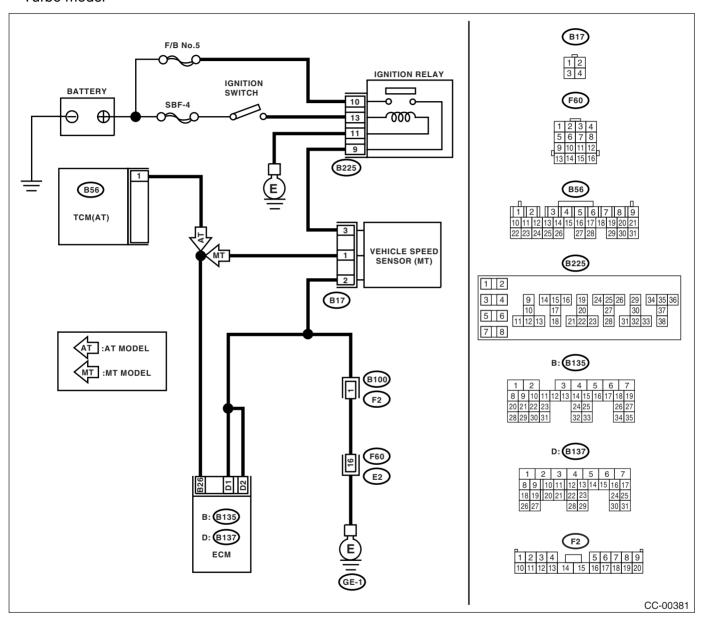
Open or shorted circuit in vehicle speed sensor system.

TROUBLE SYMPTOM:

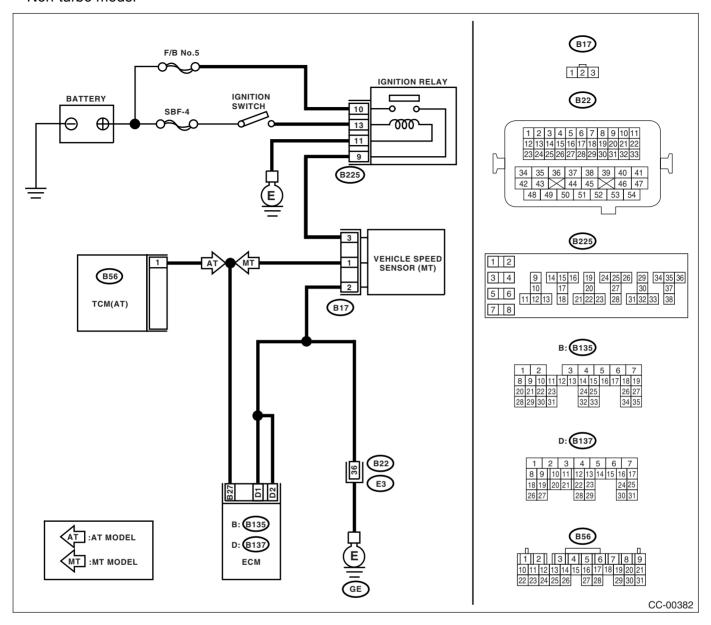
Cruise control cannot be set. (Cancelled immediately.)

WIRING DIAGRAM:

Turbo model



Non-turbo model



Step	Check	Yes	No
1 CHECK HARNESS BETWEEN BATTERY AND VEHICLE SPEED SENSOR. 1) Turn the ignition switch to OFF. 2) Disconnect harness connector from vehicle speed sensor. 3) Turn the ignition switch ON. 4) Measure voltage between vehicle speed sensor harness connector terminal and chassis ground. Connector & terminal (B17) No. 3 (+) — Chassis ground (-):	Is the voltage more than 10 V?	·	Check for open or shorted circuit in the harness between fuse and vehicle speed sen- sor.

	Step	Check	Yes	No
2	CHECK HARNESS BETWEEN ECM AND VEHICLE SPEED SENSOR. 1) Turn the ignition switch to OFF. 2) Disconnect harness connector from ECM. 3) Measure the resistance between harness connector terminals of vehicle speed sensor and of ECM. Connector & terminal Turbo model (B17) No. 1 — (B135) No. 26: Non-turbo model	Is the resistance less than 10 Ω ?	Go to step 3.	Repair the harness.
3	(B17) No. 1 — (B135) No. 27: CHECK HARNESS BETWEEN VEHICLE SPEED SENSOR AND ENGINE GROUND. 1) Turn the ignition switch to OFF. 2) Measure resistance between vehicle speed sensor harness connector terminal and engine ground. Connector & terminal (B17) No. 2 — Engine ground:	Is the resistance less than 10 Ω ?	Go to step 4.	Repair the harness.
4	CHECK VEHICLE SPEED SENSOR. 1) Connect the harness connector to the vehicle speed sensor. 2) Lift-up the vehicle and support it with rigid racks. 3) Drive the vehicle at speed greater than 20 km/h (12 MPH). WARNING: Be careful not to be dragged in by the rotating wheel. 4) Measure the voltage between ECM harness connector terminal and chassis ground. Connector & terminal Turbo model (B135) No. 26 (+) — Chassis ground (-): Non-turbo model (B135) No. 27 (+) — Chassis ground (-):		Check poor contact of ECM connector.	Replace the vehicle speed sensor.

IMMOBILIZER (DIAGNOSTICS)

IM(diag)

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