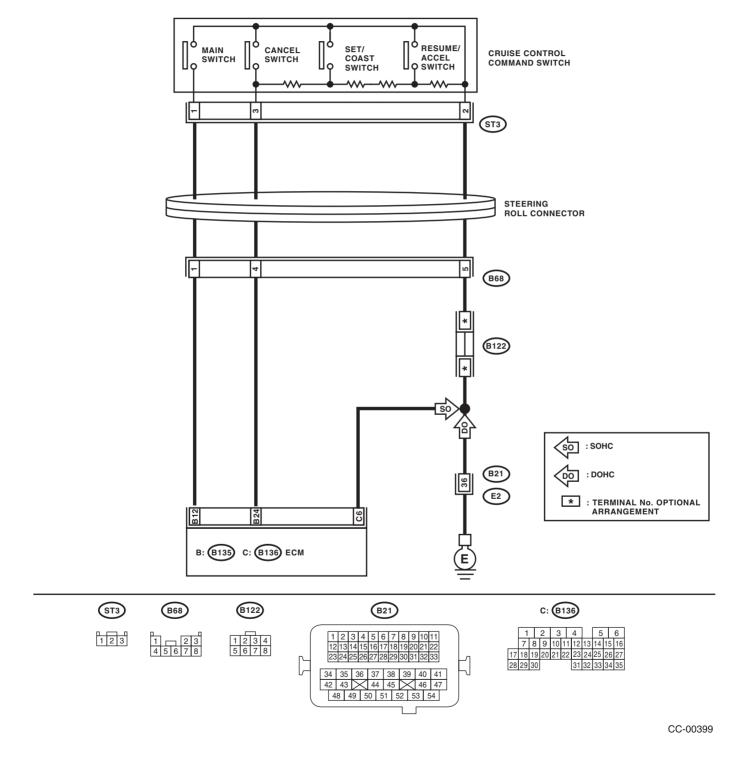
A: DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH

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

WIRING DIAGRAM:



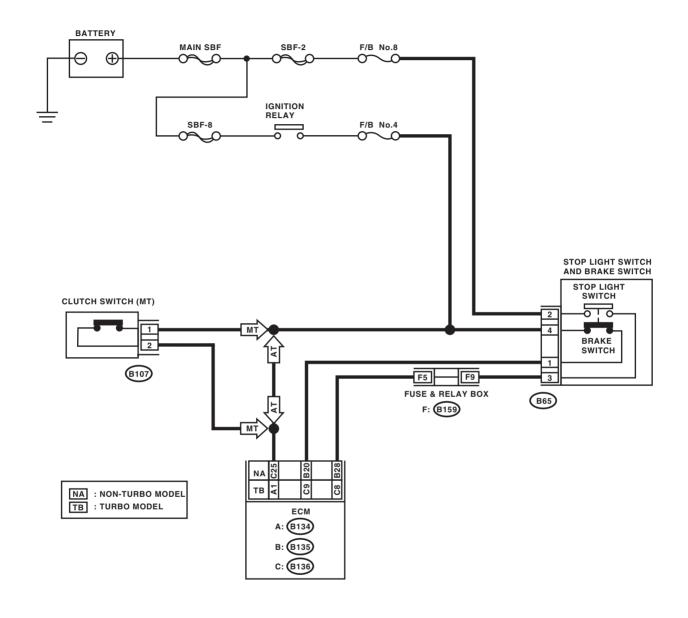
	Step	Check	Yes	No
1	CHECK CRUISE CONTROL COMMAND SWITCH CIRCUIT. 1) Remove the driver's airbag module. <ref. ab-17,="" airbag="" driver's="" module.="" removal,="" to=""> 2) Disconnect the harness connector of cruise control command switch. 3) Turn the ignition switch to ON. 4) Measure the voltage between 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-5,="" 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-5, 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-5, Cruise Con- trol Command Switch.></ref.>
4	CHECK RESUME/ACCEL SWITCH CIRCUIT. Measure the resistance between switch terminals when RESUME/ACCEL switch is pressed and not pressed. Terminals No. 2 — No. 3:	Ω when RESUME/ACCEL switch is pressed? Is the resistance approx. 4 k Ω when	Replace the ECM. <ref. (ecm).="" control="" engine="" fu(h4so)-36,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h4dotc)-38,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h6do)-33,="" module="" to=""></ref.></ref.></ref.>	Replace the cruise control command switch. <ref. to<br="">CC-5, Cruise Con- trol Command Switch.></ref.>

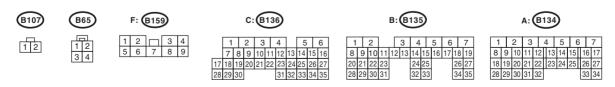
CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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

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

WIRING DIAGRAM:





CC-00400

	Step	Check	Yes	No
1	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the stop light switch and brake switch harness connector. 3) Turn the ignition switch to ON. 4) Measure the voltage between harness connector terminal and chassis ground. Connector & terminal (B65) No. 2 (+) — Chassis ground (-):	-		Check fuse No. 8 (in fuse & relay box). Check for open or short in the harness between stop light/brake switch and fuse & relay box.
2	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH CIRCUIT. Measure the voltage between harness connector terminal and chassis ground. Connector & terminal (B65) No. 4 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Go to step 3.	 Check fuse No. 4 (in fuse & relay box). Check for open or short in the harness between stop light/brake switch and fuse & relay box.
3	CHECK STOP LIGHT SWITCH AND BRAKE SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the harness connector of ECM. 3) Measure the resistance between ECM harness connector terminal and stop light switch and brake switch harness connector terminal. Connector & terminal (B136) No. 8 — (B65) No. 3: (B136) No. 9 — (B65) No. 1:	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. &="" brake="" cc-6,="" light="" stop="" switch.="" to=""></ref.>	Are the stop light switch and brake switch OK?	Replace the ECM. <ref. (ecm).="" control="" engine="" fu(h4so)-36,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h4dotc)-38,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h6do)-33,="" module="" to=""></ref.></ref.></ref.>	Replace the stop light switch and brake switch.

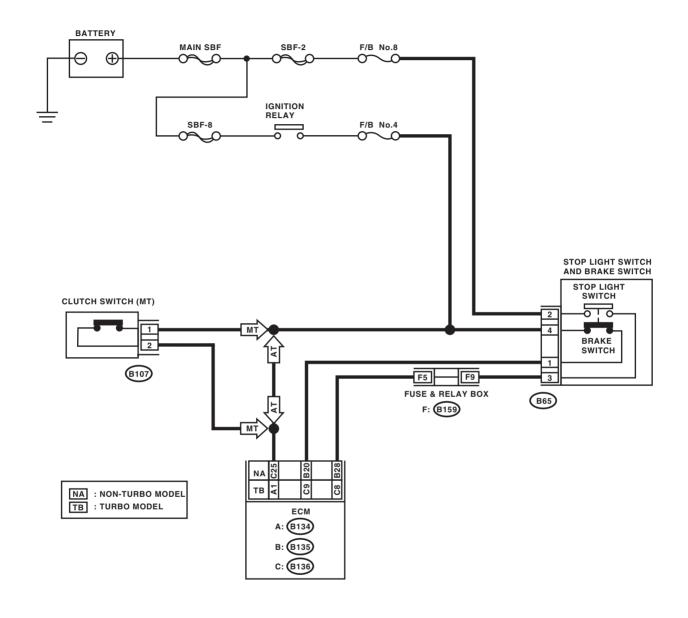
CRUISE CONTROL SYSTEM (DIAGNOSTICS)

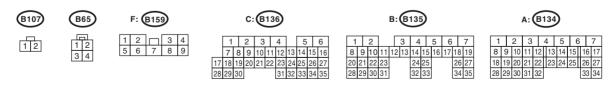
C: DTC 13 CLUTCH SWITCH

TROUBLE SYMPTOM:

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

WIRING DIAGRAM:





CC-00400

	Step	Check	Yes	No
_	•			
1	CHECK CLUTCH SWITCH CIRCUIT.	Is the voltage more than 10 V?	Go to step 2.	Check fuse No.
	Turn the ignition switch to OFF.			4 (in fuse & relay
	Disconnect the clutch switch harness con-			box).
	nector.			 Check open or
	Turn the ignition switch to ON.			shorted circuit of
	Measure the voltage between harness con-			harness between
	nector terminal and chassis ground.			clutch switch and
	Connector & terminal			fuse & relay box.
	(B107) No. 1 (+) — Chassis ground (–):			
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			
	Non-turbo model:			
	(B107) No. 2 — (B136) No. 25:			
	Turbo model:			
	(B107) No. 2 — (B134) No. 1:			
3	CHECK CLUTCH SWITCH.	Is clutch switch OK?	Replace the ECM.	Replace the clutch
	Remove and check the clutch switch. <ref. td="" to<=""><td></td><td><ref. td="" to<=""><td>switch.</td></ref.></td></ref.>		<ref. td="" to<=""><td>switch.</td></ref.>	switch.
	CC-7, Clutch Switch.>		FU(H4SO)-36,	
	,		Engine Control	
			Module (ECM).>	
			<ref. td="" to<=""><td></td></ref.>	
			FU(H4DOTC)-38,	
			Engine Control	
			Module (ECM).>	
			INIOGUIE (ECIVI).>	1

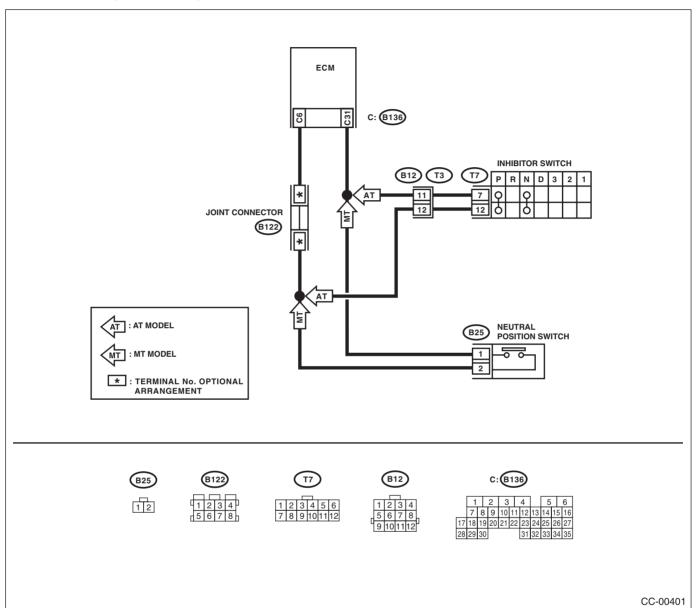
D: DTC 14 NEUTRAL POSITION SWITCH

TROUBLE SYMPTOM:

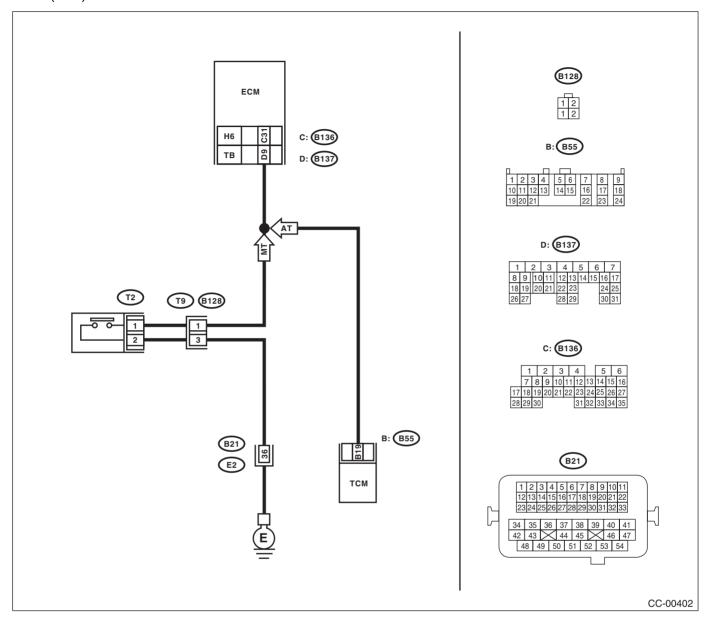
Cruise control cannot be set.

WIRING DIAGRAM:

• H4 Non-turbo (MT and 4AT) model AT



- H4 Turbo (MT and 5AT) model
- H6 (5AT) model



I	Check Yes No)
1 CHECK VEHICLE FOR SPECIFICATION. Is the transr	mission type 5AT? Go to step 2. Go to step	5.
Check the vehicle specification.		
	elect Monitor ON Replace the ECM. Go to step elever is shifted into	3.
	ange? Is Subaru FU(H4DOTC)-38,	
	tor OFF when Engine Control	
	is shifted to a Module (ECM).>	
3) Select {Engine Control System} from the range other	than the "P" or "N" <ref. th="" to<=""><th></th></ref.>	
main menu. range?	FU(H6DO)-33,	
Then, select {Current Data Display &	Engine Control	
Save}.	Module (ECM).>	
5) Check the neutral position switch signal by		
shifting the select lever to "P" or "N" range.		
	nore than 10 V Go to step 4. Check the	
, ,	lever is shifted to a <ref. 5a<="" th="" to=""><th></th></ref.>	
	than "P" or "N" 2, Basic Di	-
	bltage less than 1 V tic Procedu	ıre.>
	lever is shifted into	
(B55) No. 19 (+) — Chassis ground (–): "P" or "N" ra	-	
	ance less than 10 Replace the ECM. Repair the <ref. harness.<="" th="" to=""><th>wiring</th></ref.>	wiring
ECM. 1) Turn the ignition switch to OFF. Ω ?	<ref. fu(h4dotc)-38,<="" harness.="" td="" to=""><td></td></ref.>	
2) Disconnect the harness connector from	Engine Control	
TCM and ECM.	Module (ECM).>	
3) Measure the resistance between TCM har-	<ref. td="" to<=""><td></td></ref.>	
ness connector terminal and ECM harness	FU(H6DO)-33,	
connector terminal.	Engine Control	
Connector & terminal	Module (ECM).>	
Non-turbo model		
(B136) No. 31 — (B55) No. 19:		
Turbo model		
(B137) No. 9 — (B55) No. 19:		
	mission type 4AT? Go to step 6. Go to step	
•	ge approx. 5 V? Go to step 7. Check for o	•
1) Turn the ignition switch to OFF.	short in the	
Disconnect the inhibitor switch harness	ness betwee	-
connector.	inhibitor sw	/itcn
3) Turn the ignition switch to ON.	and ECM.	
Measure the voltage between harness con- nector terminal and chassis ground.		
Connector & terminal		
(ST7) No. 12 (+) — Chassis ground (-):		
	ance less than 10 Go to step 8. Repair the	har-
1) Turn the ignition switch to OFF. Ω ?	ness.	
2) Disconnect the starter motor harness con-		
nector.		
Measure the resistance between inhibitor		
switch harness connector terminal and chassis		
ground.		
Connector & terminal		
(T7) No. 7 — Chassis ground:		
8 CHECK INHIBITOR SWITCH. Is the inhibit	tor switch OK? Replace the ECM. Replace th	e inhibi-
8 CHECK INHIBITOR SWITCH. Remove and check the inhibitor switch. <ref.< td=""><td><ref. switch.<="" td="" to="" tor=""><td>e inhibi-</td></ref.></td></ref.<>	<ref. switch.<="" td="" to="" tor=""><td>e inhibi-</td></ref.>	e inhibi-
8 CHECK INHIBITOR SWITCH. Is the inhibit		e inhibi-

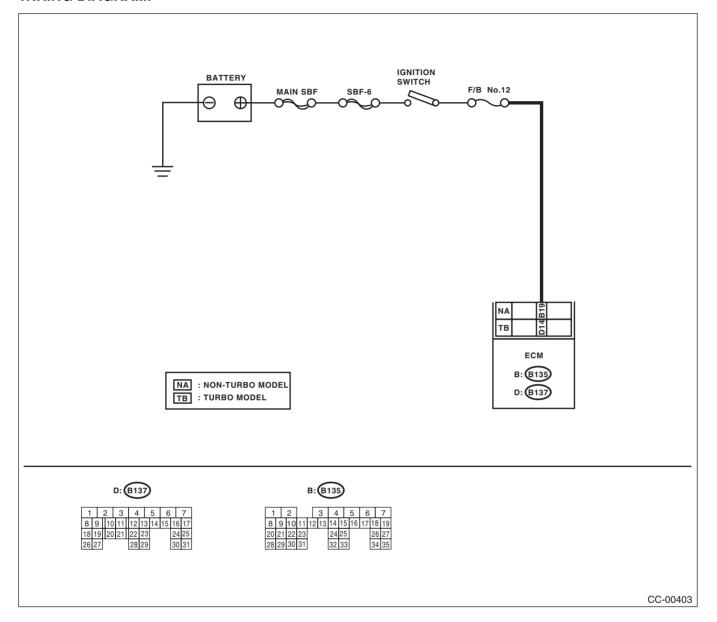
	Step	Check	Yes	No
9	CHECK NEUTRAL POSITION SWITCH CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the neutral position switch harness connector. 3) Turn the ignition switch to ON. 4) Measure the voltage between harness connector terminal and chassis ground. Connector & terminal Non-turbo model: (B25) No. 1 (+) — Chassis ground (-): Turbo model: (B128) No. 1 (+) — Chassis ground (-):	Is the voltage approx. 5 V?	Go to step 10.	Check for open or short in the har- ness between neu- tral position switch and ECM.
10	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 Non-turbo model: (B25) No. 2 — Chassis ground: Turbo model: (B128) No. 3 — Chassis ground:	Is the resistance less than 10 Ω ?	Go to step 11.	Repair the harness.
11	CHECK NEUTRAL POSITION SWITCH. Remove and check the neutral position switch. <ref. cc-9,="" neutral="" position="" switch.="" to=""></ref.>	Is the neutral position switch OK?	Replace the ECM. <ref. (ecm).="" control="" engine="" fu(h4so)-36,="" module="" to=""> <ref. (ecm).="" control="" engine="" fu(h4dotc)-38,="" module="" to=""></ref.></ref.>	Replace the neutral position switch.

E: DTC 16 IGNITION SWITCH

TROUBLE SYMPTOM:

Cruise control cannot be set.

WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK IGNITION SWITCH CIRCUIT.	Is the voltage more than 10 V?	Check the poor	 Check fuse No.
	 Turn the ignition switch to OFF. 		contact of ECM	12 (in fuse & relay
	Disconnect the ECM harness connector.		connector.	box).
	Turn the ignition switch to 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
	Non-turbo model			switch and ECM.
	(B135) No. 19 (+) — Chassis ground (–):			
	Turbo model			
	(B137) No. 14 (+) — Chassis ground (–):			

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

F: DTC 22 AND 32 VEHICLE SPEED SENSOR

DIAGNOSIS:

Open or shorted circuit in vehicle speed sensor system.

TROUBLE SYMPTOM:

Cruise control cannot be set. (Cancelled immediately.)

	Step	Check	Yes	No
1	CHECK ABS WARNING LIGHT. 1) Turn the ignition switch to ON. 2) After the initial operation of combination meter is completed, check if the ABS warning light continues to illuminate.	Does the ABS warning light continue to illuminate?	Check ABSCM or VDCCM. <ref. to<br="">ABS(diag)-2, Basic Diagnostic Procedure.> or <ref. to<br="">VDC(diag)-2, Basic Diagnostic Procedure.></ref.></ref.>	Go to step 2.
2	CHECK LAN COMMUNICATION CIRCUIT ERROR DISPLAY. Check if the communication error is displayed on the odo/trip meter in combination meter.	Is the error code "Er xx" displayed on odo/trip meter?	LAN(diag)-2, Basic Diagnostic Proce- dure.>	FU(H4SO)-36,

IMMOBILIZER (DIAGNOSTICS)

IM(diag)

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