Diagnostic Procedure with Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTIC)

AQ:DTC P0335 CRANKSHAFT POSITION SENSOR "A" CIRCUIT

DTC DETECTING CONDITION:

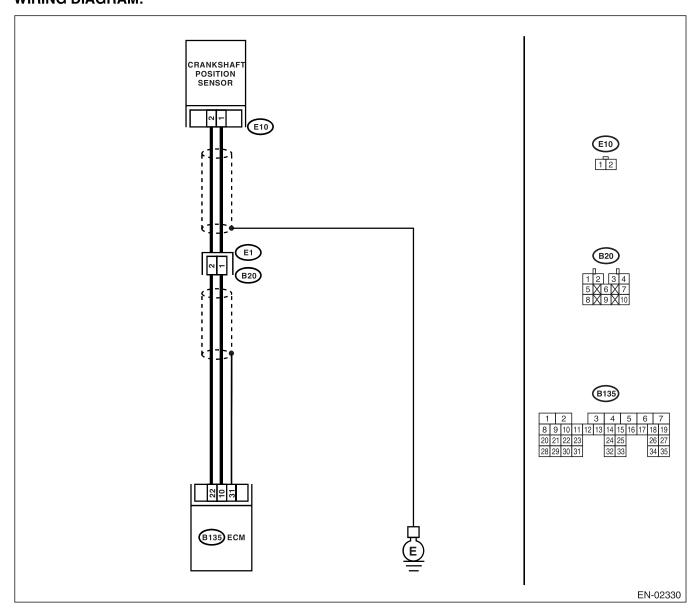
Immediately at fault recognition

TROUBLE SYMPTOM:

- Engine stalls.
- Failure of engine to start

CAUTION

After repair or replacement of faulty parts, conduct Clear Memory Mode <Ref. to EN(H4DOTC)-47, OP-ERATION, Clear Memory Mode.> and Inspection Mode <Ref. to EN(H4DOTC)-40, Inspection Mode.>. WIRING DIAGRAM:



Diagnostic Procedure with Diagnostic Trouble Code (DTC) ENGINE (DIAGNOSTIC)

Step	Check	Yes	No
1 CHECK HARNESS BETWEEN CRANK-	Is the resistance more than	Repair the har-	Go to step 2.
SHAFT POSITION SENSOR AND ECM CONNECTOR. 1) Turn the ignition switch to OFF.	100 kΩ?	ness and connector. NOTE:	
Disconnect the connector from the crank-		In this case repair	
shaft position sensor.		the following:	
Measure the resistance of harness		Open circuit in	
between crankshaft position sensor connector		harness between	
and engine ground. Connector & terminal		crankshaft posi- tion sensor and	
(E10) No. 1 — Engine ground:		ECM connector	
		Poor contact in	
		ECM connector.	
		Poor contact in	
		coupling connector	
2 CHECK HARNESS BETWEEN CRANK- SHAFT POSITION SENSOR AND ECM CON-	Is the resistance more than 1	Go to step 3.	Repair ground short circuit in har-
NECTOR.	IVIS 2 ?		ness between
Measure the resistance of harness between			crankshaft posi-
crankshaft position sensor connector and			tion sensor and
engine ground.			ECM connector.
Connector & terminal			NOTE:
(E10) No. 1 — Engine ground:			The harness be- tween both con-
			nectors are
			shielded.Repair
			ground short circuit
			in harness togeth-
3 CHECK HARNESS BETWEEN CRANK-	La the variety and lead them 5	Co to oto a 4	er with shield.
3 CHECK HARNESS BETWEEN CRANK- SHAFT POSITION SENSOR AND ECM CON-	Is the resistance less than 5	Go to step 4.	Repair the har- ness and connec-
NECTOR.			tor.
Measure the resistance of harness between			NOTE:
crankshaft position sensor connector and			In this case repair
engine ground. Connector & terminal			the following:
(E10) No. 2 — Engine ground:			Open circuit in harness between
(E10) No. 2 Engine ground.			crankshaft posi-
			tion sensor and
			ECM connector
			Poor contact in CM connector
			ECM connector. • Poor contact in
			coupling connector
4 CHECK CONDITION OF CRANKSHAFT PO-	Is the crankshaft position sen-	Go to step 5.	Tighten the crank-
SITION SENSOR.	sor installation bolt tightened	,	shaft position sen-
	securely?		sor installation bolt
			securely.
5 CHECK CRANKSHAFT POSITION SENSOR.	Is the resistance 1 — 4 k Ω ?	Repair poor con- tact in crankshaft	Replace the crank-
 1) Remove the crankshaft position sensor. 2) Measure the resistance between connector 		position sensor	shaft position sen- sor. <ref. th="" to<=""></ref.>
terminals of crankshaft position sensor.		connector.	FU(H4DOTC)-30,
Terminals			Crankshaft Posi-
No. 1 — No. 2:			tion Sensor.>

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTIC)

AR:DTC P0336 CRANKSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PER-FORMANCE

DTC DETECTING CONDITION:

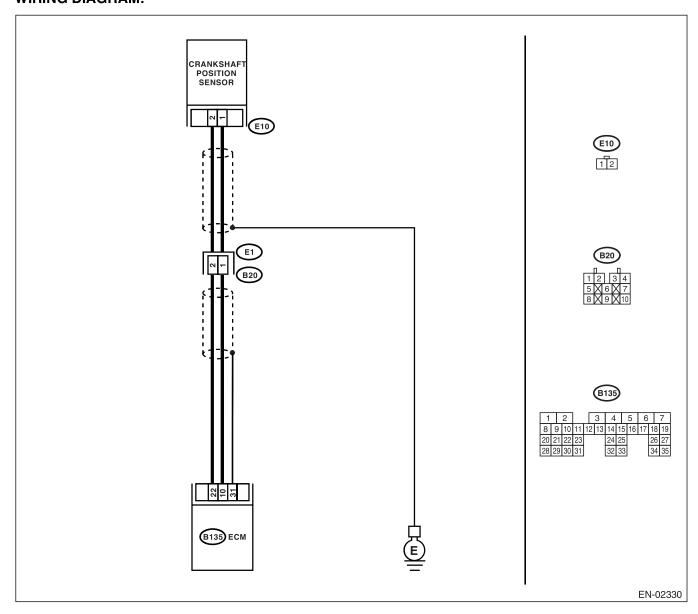
Two consecutive driving cycles with fault

TROUBLE SYMPTOM:

- Engine stalls.
- · Failure of engine to start

CAUTION:

After repair or replacement of faulty parts, conduct Clear Memory Mode <Ref. to EN(H4DOTC)-47, OP-ERATION, Clear Memory Mode.> and Inspection Mode <Ref. to EN(H4DOTC)-40, Inspection Mode.>. WIRING DIAGRAM:



Diagnostic Procedure with Diagnostic Trouble Code (DTC) ENGINE (DIAGNOSTIC)

	Step	Check	Yes	No
1	CHECK ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Inspect the relevant DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" code="" diagnostic="" en(h4dotc)-74,="" list="" of="" to="" trouble=""></ref.>	Go to step 2.
2	CHECK CONDITION OF CRANKSHAFT PO- SITION SENSOR. Turn the ignition switch to OFF.	Is the crankshaft position sensor installation bolt tightened securely?	Go to step 3.	Tighten the crank- shaft position sen- sor installation bolt securely.
3	CHECK CRANK SPROCKET. Remove the front belt cover.	Are crank sprocket teeth cracked or damaged?	Replace the crank sprocket. <ref. to<br="">ME(H4DOTC)-67, Crank Sprocket.></ref.>	Go to step 4.
4	CHECK INSTALLATION CONDITION OF TIMING BELT. Turn the crankshaft, and align alignment mark on crank sprocket with alignment mark on cylinder block.	Is the timing belt dislocated from its proper position?	Repair installation condition of timing belt. <ref. to<br="">ME(H4DOTC)-58, Timing Belt Assembly.></ref.>	Replace the crank- shaft position sen- sor. <ref. to<br="">FU(H4DOTC)-30, Crankshaft Posi- tion Sensor.></ref.>