DI2SC-02

DTC P0340/12 Camshaft Position Sensor Circuit Malfunction

CIRCUIT DESCRIPTION

Camshaft[position[sensor[]G2[signal)]consist[pf]a[signal[plate[and[pickup[coil.

 $The \cite{Collinear} \cite{Collinear} as 1 \cite{Collinear} and \cite{$

When the camshafts totate, the protrusion on the signal plate and the air gap on the pickup coil change, causing fluctuations in the magnetic field and generating an electromotive force in the pickup coil.

The NE signal plate has 34 teeth and s mounted on the crankshaft. The NE signal sensor generates 34 signals for every engine evolution. The engine ECU detects the standard crankshaft angle based on the G2 signal and the actual crankshaft angle and the engine speed by the NE signals.

DTC[No.	DTC[Detecting[Condition	Trouble[Area
P0340/12	No[camshaft[position[sensor[signal]]o[engine[ECU[during cranking. (2[]rip[detection[]ogic)	Open@r[short]n@amshaft[position[sensor@ircuit Camshaft[position[sensor Starter engine[ECU
	No@amshaft@osition@ensor@ignal@o@ngine@CU@vith@ngine speed@00@pm@r@nore	

WIRING DIAGRAM

Refer [] o [DTC [P0335/12, 13 [Crankshaft [Positio [Sensor [Circuit [Malfunction) [on [page [DI-68 [] or [] he WIRING [DIAGRAM.

INSPECTION PROCEDURE

HINT:

Read[freeze[frame[data[using[hand-held[tester.[Because[freeze[frame[]ecords[the]engine[conditions]when the frame[]ecords[the]engine[conditions[when the frame[]ecords[the]engine[conditions[when the frame[]ecords[the]engine[conditions[]when the frame[]ecords[the]engine[conditions[]when the frame[]ecords[the]engine[conditions[]when the frame[]ecords[the]engine[conditions[]when the frame[]ecords[the]engine[conditions[]when the frame[]ecords[]the fram

1 Check[resistance[of[camshaft[position[sensor[See[page]G-1).

Reference: INSPECTION USING OSCILLOSCOPE

Refer[]o[DTC[P0335/12, 13[]Crankshaft[Position[Sensor[Circuit[Malfunction)]on[page[DI-68[]or[]he Reference: INSPECTION USING OSCILLOSCOPE.

NG Replace camshaft position sensor.

ОК

Check[for@pen[and[short[in[harness[and[connector[between@ngine[ECU]and camshaft[position]sensor[See[page]N-29).

NG Repair@r[eplace[harness@r[connector.

OK

3 Inspect[sensor[installation.

NG Tighten[sensor.

ΟK

Check[and[replace[engine[ECU[(See[page IN-29).