DI1IL-07

DTC	DO240/10 Comphatti Docition Compart	ivarit
DTC □	P0340/12 Camshaft Position Sensor C	ircuit
_		Į.
	Malfunction	Į.

CIRCUIT DESCRIPTION

Camshaft[position[sensor[]G2[signal])[consist[pf]a[signal]plate[and[pick[]]p[coil.]] The G2[signal]plate[has[pnetooth[pn]]ts[puter[circumference[and[]s[]]hounted[pn]]the camshaft.

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

The NE signal plate has 4 leth and s mounted on the crankshaft. The NE signal sensor generates 4 signals for every engine revolution. The engine ECU detects the standard crankshaft angle based on the G+signals and the actual crankshaft angle and the engine speed by the NE signals.

DTC[No.	DTC[Detecting[Condition	Trouble[A rea
P0340/12	No@amshaft@osition@ensor@ignal@o@engine@ECU@during cranking	Open@r[short[]n[camshaft[position[sensor[circuit Camshaft[position[sensor
	No[camshaft[position[sensor[signal]]o[engine[ECU[with engine[speed[600[]pm[pr[]nore]]nore]]	Starter Engine ECU

WIRING DIAGRAM

Refer@DTC@0335/12, 13@Crankshaft@osition@ensor@ircuit@Malfunction)@n@age@I-50ffor@he@WIRING DIAGRAM.

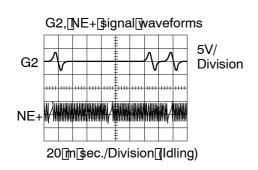
INSPECTION PROCEDURE

HINT:

Read[freeze[frame[data[using[hand-held[tester.[Because[freeze[frame[]ecords[]he@ngine[conditions[when the frame[]]]]] the final function is detected, when frouble shooting it is useful for determining whether the frame for the frame frame frame from the frame fram

1[

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

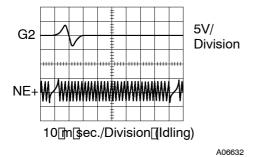


Reference: INSPECTION USING OSCILLOSCOPE

During cranking or idling, check between terminals G2 and NE-, NE+ and NE- of engine ECU.

HINT:

The correct waveform are as shown.



NG

Replace camshaft position sensor.

OK

2

Check for open and short in harness and connector between engine ECU and camshaft[position[sensor[See[page[N-19]]]]

NG

Repair or replace harness or connector.

OK

3 Inspect[sensor[installation.

NG

Tighten the sensor.

OK