DI8BF-01

Variable Resistor Circuit Only for Vehicles W/o TWC)

CIRCUIT DESCRIPTION

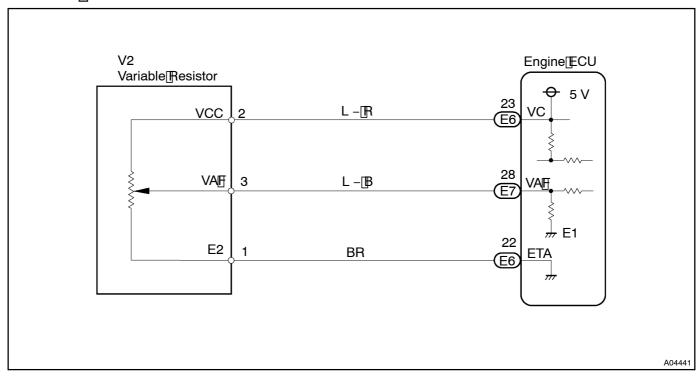
This resistor is used to change the air-fuel ratio of the ri-fuel mixture.

The idle inixture is adjusted using this resistor.

Turning[]he[]dle[]nixture[adjusting[screwclockwise[]noves[]he[scntacts[]nside[]he[]esistor,[]aising[]erminal VAF[]voltage.[Conversely,[]urning[]he[screwclockwise[]owers[]he[]erminal[]VAF[]voltage.

When the terminal VAF voltage tises, the engine ECU increases the injection volume slightly, making the air-fuel inixture all the tister.

WIRING DIAGRAM



INSPECTION PROCEDURE

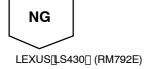
NOTICE:

Always [use a [CO] meter [when adjusting [the]] dle [mixture.] If a [CO] meter [is [not available, [DO] NOT [ATTEMPT TO ADJUST IDLE MIXTURE.

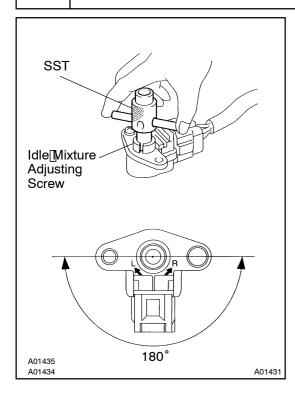
1 Check[CO[concentration[See[page[EM-1).



CO concentration is normal. Proceed to next circuit inspection shown problem[symptom[tables[See[page[DI-25]]].



2 | Adjust CO concentration.



PREPARATION:

Same[condition[as[step]] [of[this[chart.

CHECK:

Using \$ST, adjust the mixture by turning the tidle mixture adjusting screw in the variable resistor.

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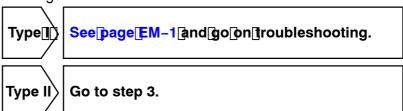
RESULT:

OK	CO@concentration:[].0[±[0].5
NG[type[t]	Change[jh[CO[concentration
NG[type[] I	No[change[in[CO[concentration

HINT:

Always@heck@dle@speed@after@urning@he@dle@nixture@adjusting screw.@ff@t@s@ncorrect,@eadjust@dle@speed.

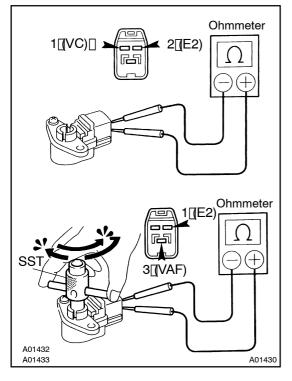
Adjustable fange of the idle inixture adjust for turn this screw is 260 degrees. Do not turn this screw more than it.



ОК

Adjustment is complete.

3 Check[resistance[of[variable[resistor.



Check[Resistance[Between 1[and[2:

PREPARATION:

Disconnect[the[variable[resistor[connector.

CHECK:

Measure[resistance[between[reminals[]] and pf[he[variable resistor.]]

OK:

Resistance: ☐4 – ☐6 ☐kΩ

Check[Resistance[Between 1[and[3:

CHECK:

Measure[]resistance[]between[]reminals[]] [and[]3[]when[]turning the[]dle[]mixture[]adjusting[]screw[]fully[]clockwise[]and[]counterclockwise[]using[]\$ST.

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OK:

NG

Replace variable resister.

OK

4□

Check[POWER[OUTPUT[OF[VARABLE[RESISTER[[See[page[FI-72]].

OK

Check and replace engine ECU.

NG

5

Check for open and short in harness and connector between variable resistor and engine ECU (See page N-35).

NG

Repair or replace harness or connector.

NG

Check and replace engine ECU.