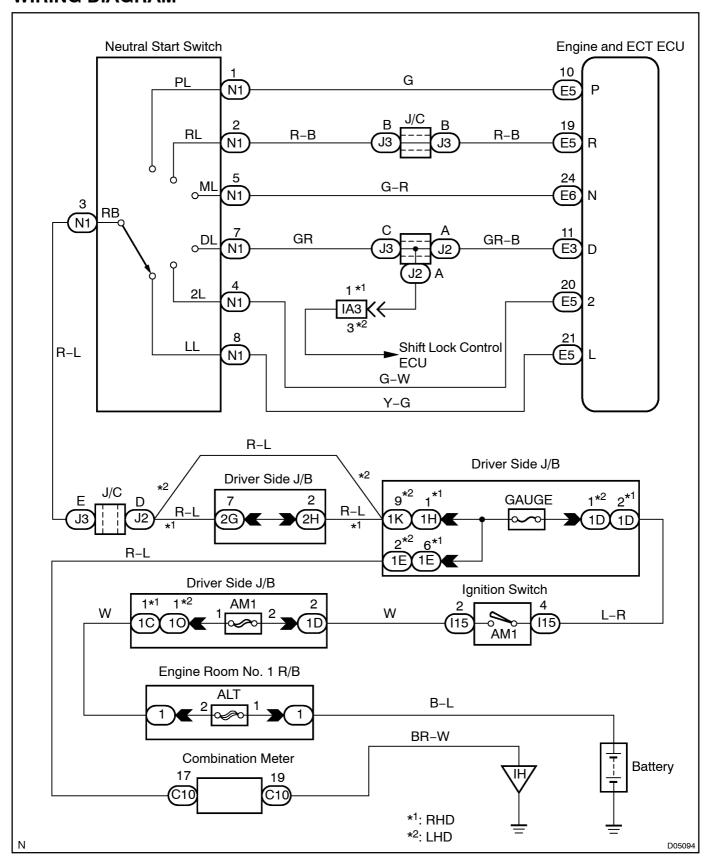
DI61X-02

Neutral Start Switch Circuit Malfunction

CIRCUIT DESCRIPTION

The neutral start switch detects the shift lever range and sends signals to the Engine and ECT ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

 $In \cite{Constant} in \cite{Co$

1[

Read[PNP,[REVERSE,[DRIVE,[2ND[and[LOW[signals.

PREPARATION:

- (a) Remove the DLC3 cover.
- (b) Connect a hand-held tester to the DLC3.
- (c) Turn[the]gnition[switch[ON[and[hand-held[tester[main switch[ON.

CHECK:

 $Shift[[ever[]hto[]he]], [[N,[]], [[D,[]]and[], [[nanges, and []ead[]he]]NP, \\ REVERSE, [[DRIVE, []2ND[]and[], OW[]signals[]on[]he[]hand-held \\ tester.$

OK:

Shift <u></u> range	Signal
P,[N	PNP⊡©FF[→[ON
R	REVERSE[[DFF[→[DN
D	DRIVE⊡[0FF[<u>]</u> →[0N
2	2ND : OFF → ON
L	LOW : OFF → ON

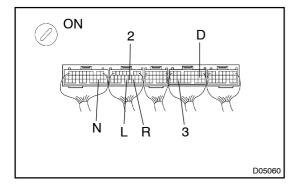
OK

Check and replace the Engine and ECT ECU (See page N-32).

NG

Go to step 3.

2[]



PREPARATION:

Turn[the[ignition[switch[ON.

CHECK:

OK:

Tester[connection	Condition	Specified@ondition
P - Body ground	Shift[]ever[]ange[][P	Battery[positive]yoltage
R -[Body[ground	Shift[]ever[]ange[][R	Battery[positive[voltage*
D –[Body[ground	Shift[]ever[]ange[][D	Battery[positive]yoltage
N –[Body[ground	Shift[]ever[]ange[][N	Battery[positive[]voltage
2 - Body ground	Shift[]ever[]ange[][2	Battery[positive]yoltage
L -[Body[ground	Shift_ever_ange	Battery[positive[yoltage

HINT:

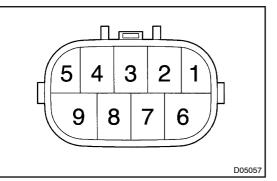
^{*:} The Yoltage Will drop slightly due to tighting up of the back up light.



Check and replace the Engine and ECT ECU (See page N-32).

NG

3 | Check neutral start switch.



PREPARATION:

- (a) Jack up the vehicle.
- (b) Remove the heutral start switch connector.

CHECK:

Check@ontinuity[between@ach[erminalshown[below[when[the shift]]ever[]s[moved[]o[each[]ange.

<u>OK:</u>

Shift[Range	Terminal[No.[to[continuity	Terminal[No.[to[continuity
Р	1 – 3	6 - [9
R	2 -[3	-
N	3 –[5	6 -[9
D	3 –[7	-
2	3 –[4	-
L	3 -[8	-

NG

Replace[the[neutral[start[switch.



 $Repair \begin{tabular}{l} Per la celle a model connector \between \begin{tabular}{l} Per la celle a model connector \between \begin{tabular}{l} Per la celle a model celle c$