

<b>DTC</b>	<b>P1780</b>	<b>Neutral Start Switch Circuit</b>
------------	--------------	-------------------------------------

## CIRCUIT DESCRIPTION

The neutral start switch detects the shift lever position and sends signals to the Engine and ECT ECU. The Engine and ECT ECU receives signals (NSW, R, 2 and L) from the neutral start switch. When the signal is not sent to the Engine and ECT ECU from the neutral start switch, the Engine and ECT ECU judges that the shift lever is in D range.

DTC No.	DTC Detection Condition	Trouble Area
P1780	2 or more switches are ON simultaneously for R, N, 2 and L ranges. (2-trip detection logic)	<ul style="list-style-type: none"> <li>• Short in neutral start switch circuit</li> <li>• Neutral start switch</li> <li>• Engine and ECT ECU</li> </ul>
	When driving under conditions (a) and (b) for 30 seconds or more, the neutral start switch is ON (N range). (2-trip detection logic) (a) Vehicle speed: 70 km/h (44 mph) or more (b) Engine speed: 1,500 ~ 2,500 rpm	

## WIRING DIAGRAM

See page DI-204.

## INSPECTION PROCEDURE

See page DI-204.