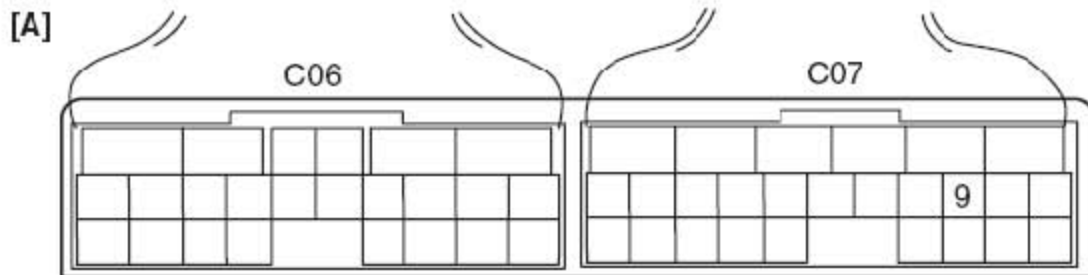
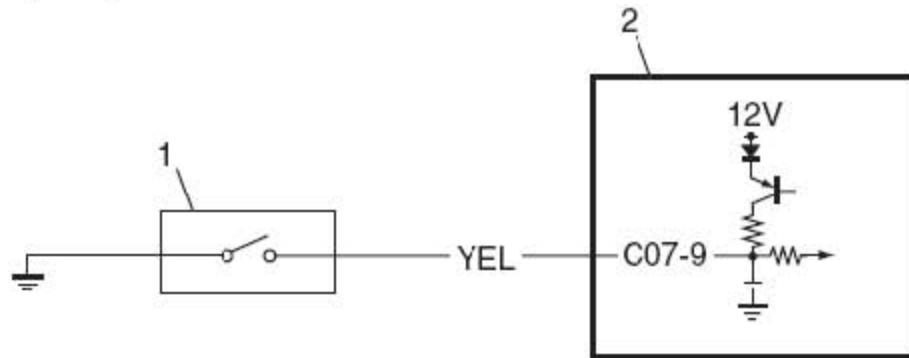


# P1723: Range Select Switch Malfunction

## Wiring Diagram



1. "3" position switch	2. TCM	[A]: TCM connector (viewed from harness side)
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### DTC Confirmation Procedure

- 1) Connect scan tool to DLC with ignition switch OFF.
- 2) Clear DTCs in TCM and ECM memories by using scan tool and turn ignition switch ON.
- 3) Shift select lever to each of "L", "2", "3", "D", "N", "R" and "P" ranges for 20 seconds each.
- 4) Check DTC, pending DTC and freeze-frame data.

## DTC Troubleshooting

Step	Action	Yes	No
1	Was "A/T System Check" performed?	Go to Step 2.	Go to "A/T System Check".
2	<p><b>"3" position switch circuit for operation</b></p> <p>1) Connect SUZUKI scan tool to DLC with ignition switch OFF.</p> <p>2) Turn ignition switch ON and check "3" position switch signal on scan tool data display when shifting select lever to each range.</p> <p>Does indicate "3" position switch condition OFF when shifting select lever to "P", "R", "N" and "L" range?</p>	Substitute a known-good TCM and recheck.	Go to Step 3.
3	<p><b>"3" position switch signal inspection</b></p> <p>With ignition switch ON, check voltage between "C07-9" terminal of TCM coupler and ground.</p> <p><b>"3" position switch specifications</b></p> <p><b>Shift select lever to "3" or "2" range: Battery voltage</b></p> <p><b>Shift select lever to other above range: 0 V</b></p> <p>Is the result as specified?</p>	Substitute a known-good BCM and recheck.	Go to Step 4.
4	<p><b>Check "3" position switch operation</b></p> <p>Is it in good condition?</p>	"YEL" wire shorted to ground.	Replace "3" position switch.