



DTC C1645 (45)

Possible Cause



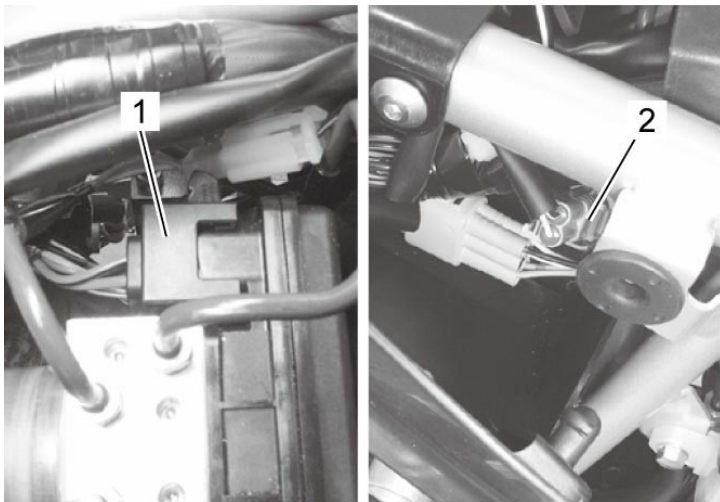
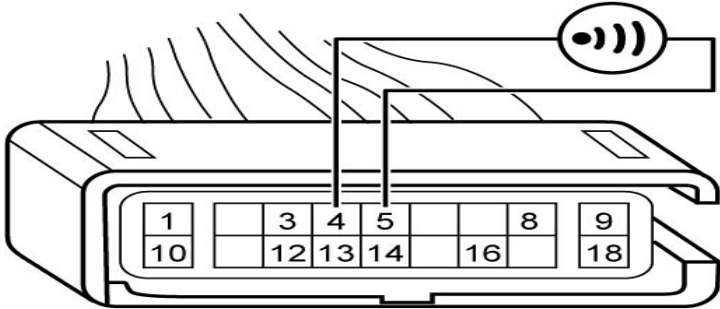

Wheel Speed Sensor Circuit Open (R)

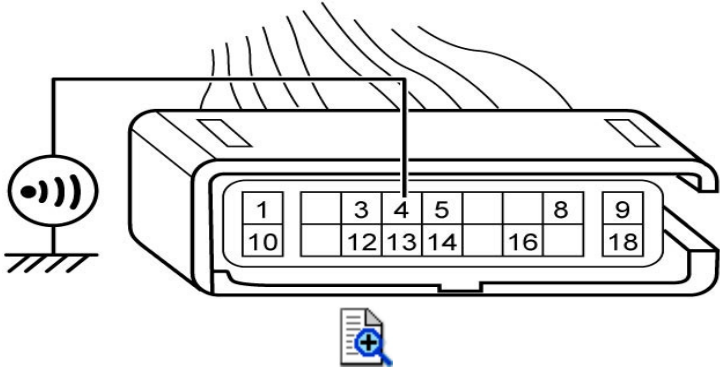
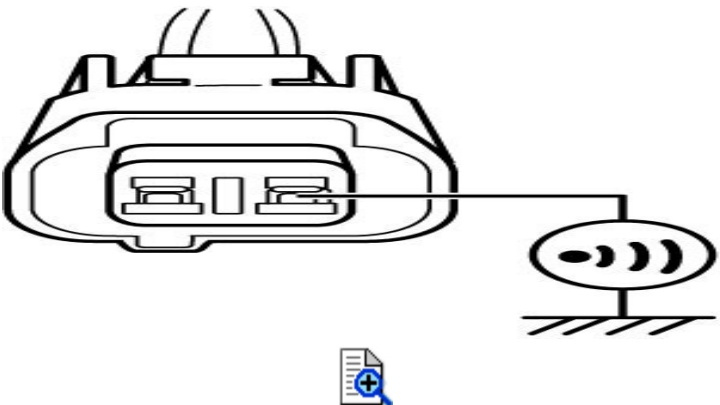

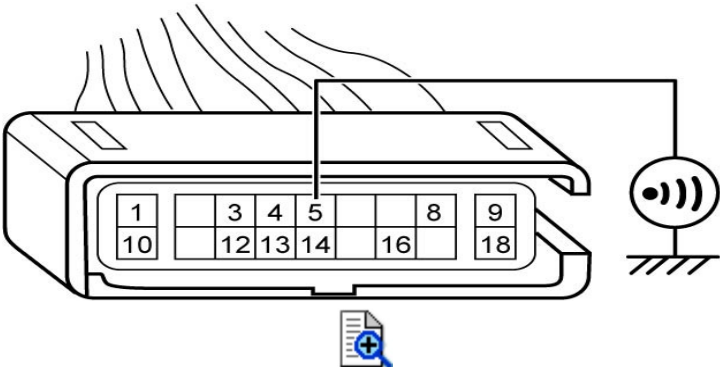

Wheel speed sensor circuit open or short, loosen contact in wheel speed sensor connector, input amplifier in ABS control unit failure, etc.

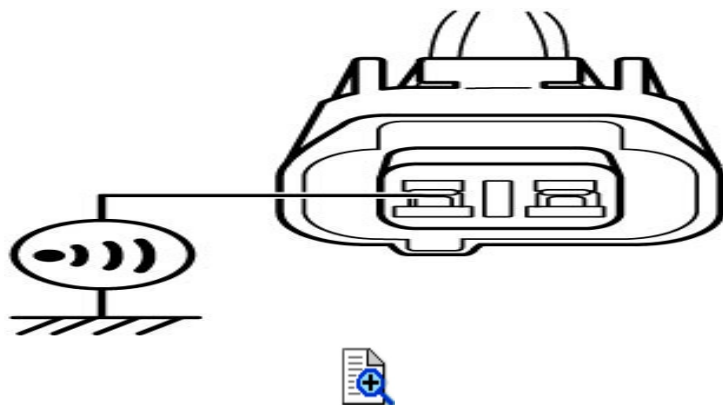
Wiring Diagram

Refer to [ABS Control Unit / HU Diagram](#).

Troubleshooting

Step	Action	Yes	No
1	<p>1) Turn ignition switch OFF.</p> <p>2) Check the ABS control unit coupler (1) and rear wheel speed sensor coupler (2) for loose or poor contacts. If OK, then disconnect the ABS control unit coupler.</p> <ul style="list-style-type: none"> • Rear wheel speed sensor coupler:  • ABS control unit coupler:  <div data-bbox="245 940 968 1440">  </div> <div data-bbox="584 1447 639 1509"> </div> <p>3) Check for continuity between "T4" (W/Y) and "T5" (B/Y) at the ABS control unit coupler.</p> <div data-bbox="245 1630 968 1937">  </div> <div data-bbox="584 1944 639 2007"> </div> <p><i>Is no continuity indicated?</i></p>	Go to Step 2.	<ul style="list-style-type: none"> • Inspect the wire harness. (Faulty sensor wire) • Faulty rear wheel speed sensor. 

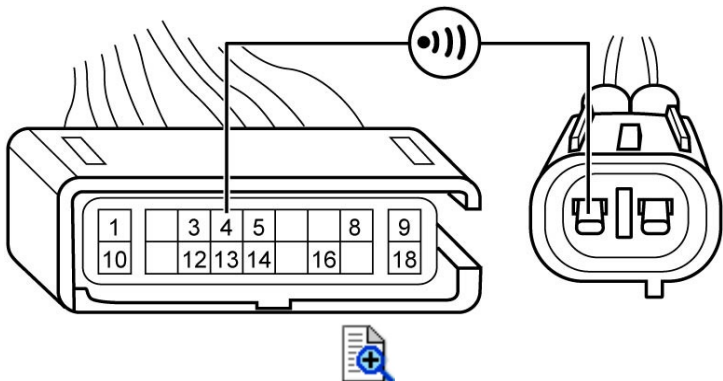
<p>2</p>	<p>1) Check for continuity between "T4" (W/Y) and ground at the ABS control unit coupler.</p>  <p><i>Is no continuity indicated?</i></p>	Go to Step 4.	Go to Step 3.
<p>3</p>	<p>1) Disconnect the rear wheel speed sensor coupler. 2) Check for continuity between White wire and ground at the rear wheel speed sensor coupler.</p>  <p><i>Is no continuity indicated?</i></p>	Inspect the wire harness. (Faulty W/Y wire)	Replace the rear wheel speed sensor. 
<p>4</p>	<p>1) Check for continuity between "T5" (B/Y) and ground at the ABS control unit coupler.</p>  <p><i>Is no continuity indicated?</i></p>	Go to Step 6.	Go to Step 5.
<p>5</p>	<p>1) Disconnect the rear wheel speed sensor coupler. 2) Check for continuity between Black wire and ground at the rear wheel speed sensor coupler.</p>	Inspect the wire harness. (Faulty B/Y wire)	Replace the rear wheel speed sensor. 



Is no continuity indicated?

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- 1) Disconnect the rear wheel speed sensor coupler.
- 2) Check for continuity between "T4" (W/Y) on the ABS control unit coupler and W/Y wire on the rear wheel speed sensor coupler.



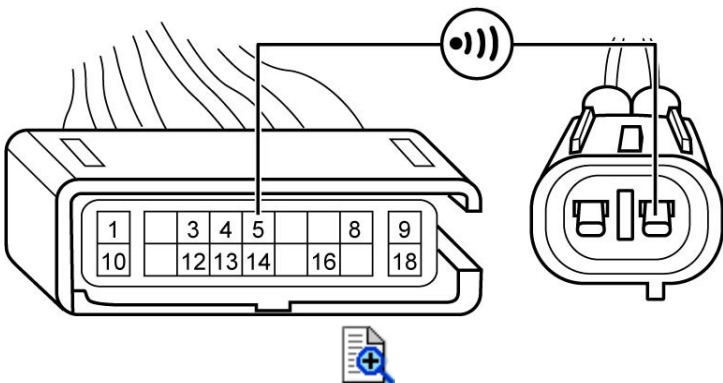
Is continuity indicated?

Go to Step 7.

Inspect the wire harness.
(Faulty W/Y wire)

7

- 1) Check for continuity between "T5" (B/Y) on the ABS control unit coupler and B/Y wire on the rear wheel speed sensor coupler.



Is continuity indicated?

Go to Step 8.

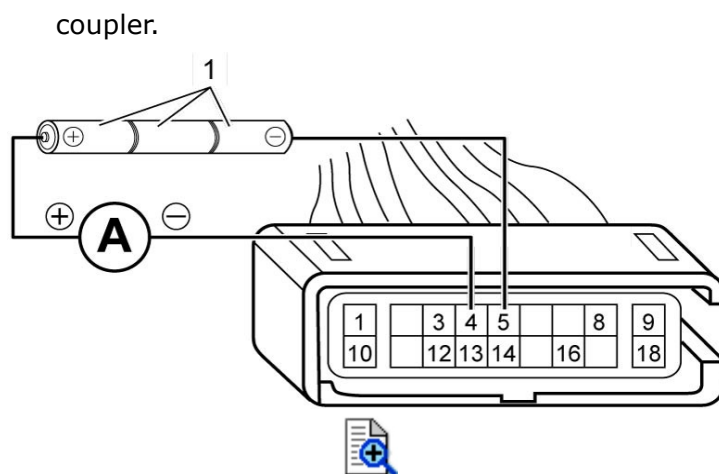
Inspect the wire harness.
(Faulty B/Y wire)

8

- 1) Connect the rear wheel speed sensor coupler.
- 2) Connect three 1.5 V dry cells (1) in series as shown and make sure that their total voltage is more than 4.5 V.
Measure the current between (+) dry cell terminal and "T4" (W/Y) on the ABS control unit

Replace the ABS control unit/HU.

Replace the rear wheel speed sensor.



Is current 5.9 – 16.8 mA?