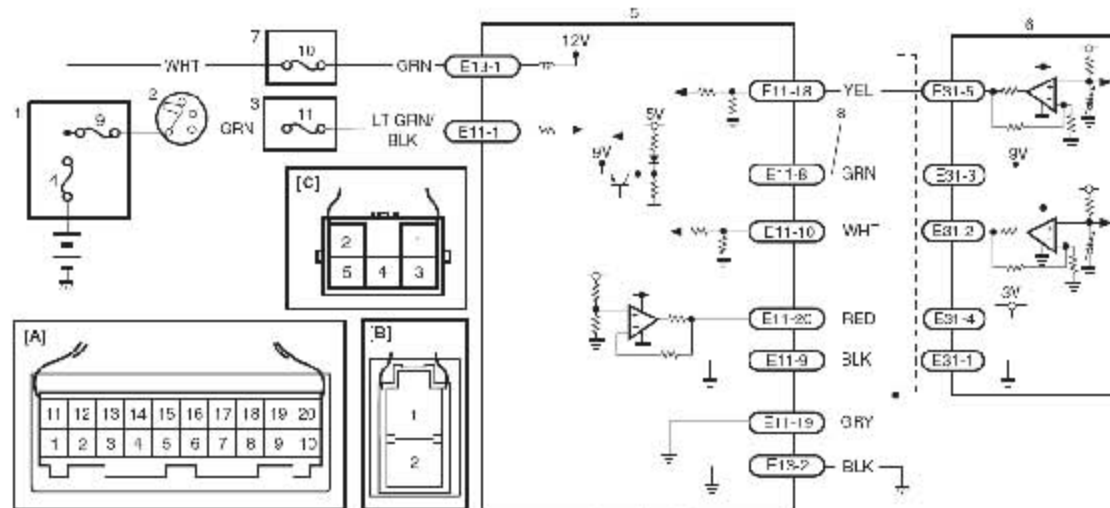


C1116: Steering Torque Sensor Power Supply Circuit

Wiring Diagram



[A]: P/S control module connector No.1 "E11" (viewed from harness side)	3. Junction block assembly	8. Torque sensor power supply circuit
[B]: P/S control module connector No.2 "E13" (viewed from harness side)	4. Main fuse	9. "IGN" fuse
[C]: Torque sensor connector "E31" (viewed from harness side)	5. P/S control module	10. "P/S" fuse
1. Main fuse box	6. Torque sensor	11. "IG1 SIG" fuse
2. Ignition switch	7. Individual circuit fuse box No.1	

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Circuit voltage of torque sensor 9 V power supply is less than 7 V (1 driving cycle detection logic)	<ul style="list-style-type: none"> • Torque sensor 9 V power supply circuit • Torque sensor • P/S control module

DTC Troubleshooting

Step	Action	Yes	No
1	Was "EPS System Check" performed?	Go to Step 2.	Go to "EPS System Check".
2	DTC check Is DTC C1153 indicated, together?	Go to applicable DTC diag. flow.	Go to Step 3.
3	Torque sensor power supply voltage check 1) With ignition switch turned OFF, disconnect torque sensor connector. 2) Check for voltage between "E31-3" ("GRN" wire) terminal and body ground with ignition switch ON. Is it approx. 9 V?	Go to Step 4.	Go to Step 5.
4	Torque sensor power supply voltage check 1) With ignition switch turned OFF, connect torque sensor connector. 2) Check for voltage between "E11-8" ("GRN" wire) terminal and body ground with ignition switch ON. Is it approx. 9 V?	Substitute a known-good P/S control module and recheck.	Replace steering gear case.

Step	Action	Yes	No
5	<p>Torque sensor power supply circuit check</p> <p>1) Check that torque sensor power supply circuit is as follows.</p> <ul style="list-style-type: none">• Insulation resistance of wire harness is infinity between "Torque sensor power supply circuit" terminal and each other terminal at torque sensor connector.• Wiring harness resistance of "Torque sensor power supply circuit" is less than 1 Ω.• Insulation between "Torque sensor power supply circuit" and vehicle body ground is infinity. <p>Is circuit in good condition?</p>	Replace P/S control module.	Repair or replace defective circuit.

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