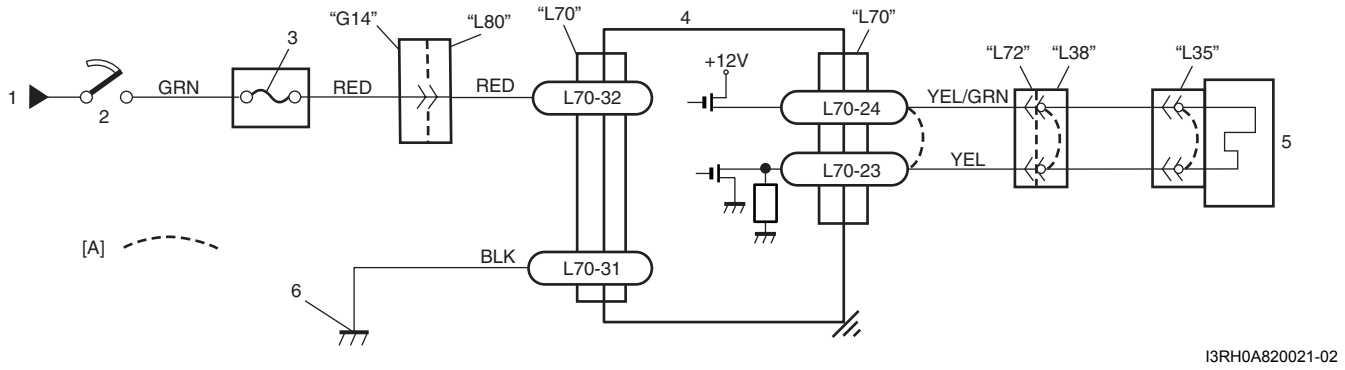
DTC B1018: Passenger Air Bag Initiator Circuit Short to Ground

S3RH0A8204016

Wiring Diagram



I3RH0A820021-02

[A]: Shorting bar	2. Ignition switch	4. SDM	6. Ground for air bag system
1. From main fuse	3. "AIR BAG" fuse	5. Passenger air bag (inflator) module	

⚠ CAUTION

- **Be sure to perform "Air Bag Diagnostic System Check" before starting diagnosis according to flow table.**
- **When measurement of resistance or voltage is required in this table, use a specified digital multimeter (Refer to "Special Tool".) along with a correct terminal adaptor from special tool (Connector test adapter kit).**
- **When a check for proper connection is required, refer to "Inspection of Intermittents and Poor Connections".**
- **If there is open circuit in the air bag wire harness, connector or terminal is found damaged, replace the wire harness, connector and terminal as an assembly.**

NOTE

If vehicle is equipped with driver or passenger side air bag ON-OFF switch, perform "Air Bag Diagnostic System Check Flow" with disconnecting air bag ON-OFF switch from air bag circuit. And if this DTC is not detected under the condition, replace air bag ON-OFF switch and recheck.

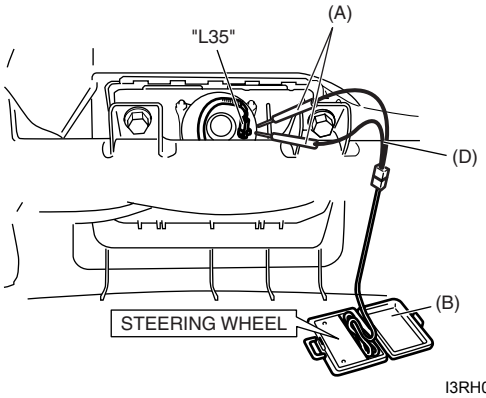
DTC Will Set when

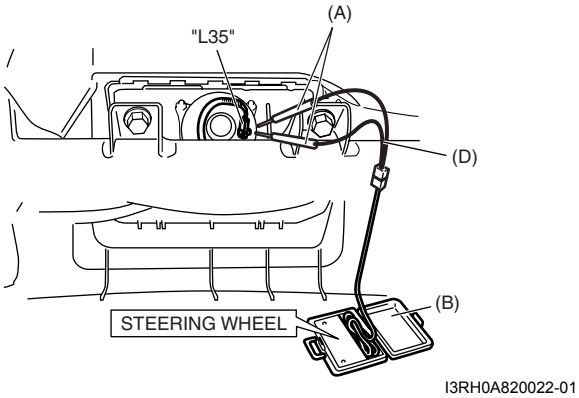
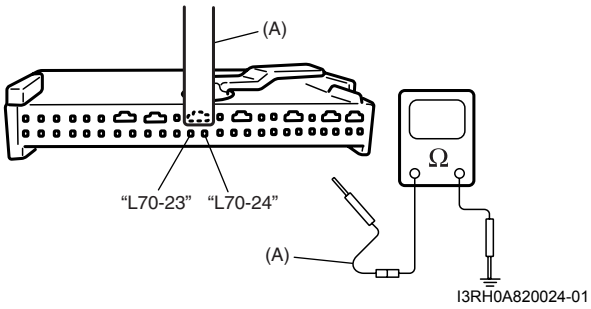
The voltage measured at passenger air bag initiator circuit is below a specified value for specified time.

Flow Test Description

Step 1: Check whether malfunction is in passenger air bag (inflator) module.
Step 2: Check passenger air bag (inflator) module initiator circuit in air bag harness.

DTC Troubleshooting

Step	Action	Yes	No
1	1) With ignition switch OFF, disconnect passenger air bag (inflator) module connector “L35” behind the glove box. 2) Check proper connection to passenger air bag (inflator) module at terminals in connector “L35”. 3) If OK, then connect Special Tool (A), (B) and (C) to passenger air bag (inflator) module connector “L35” disconnected at the Step 1). **Special tool** **(A): 09932–76010** **(B): 09932-75010** **(C): 09932-78340**  I3RH0A820022-01 *With ignition switch ON, does DTC B1018 still exist?*	Go to Step 2.	Ignition switch OFF. Replace passenger air bag (inflator) module referring to “Passenger Air Bag (Inflator) Module Removal and Installation”.

Step	Action	Yes	No
2	1) With ignition switch OFF, disconnect Special Tool (A), (B), (C) and SDM connector “L70”. 2) Measure resistance between “L70-24” terminal and body ground and between “L70-23” terminal and body ground. **Special tool** **(A): 09932-76010** **(B): 09932-75010** **(C): 09932-78340**  I3RH0A820022-01  I3RH0A820024-01 *Are resistances infinity?*	Substitute a known-good SDM and recheck.	Repair short from “YEL/GRN” wire circuit or “YEL” wire circuit to ground.

NOTE

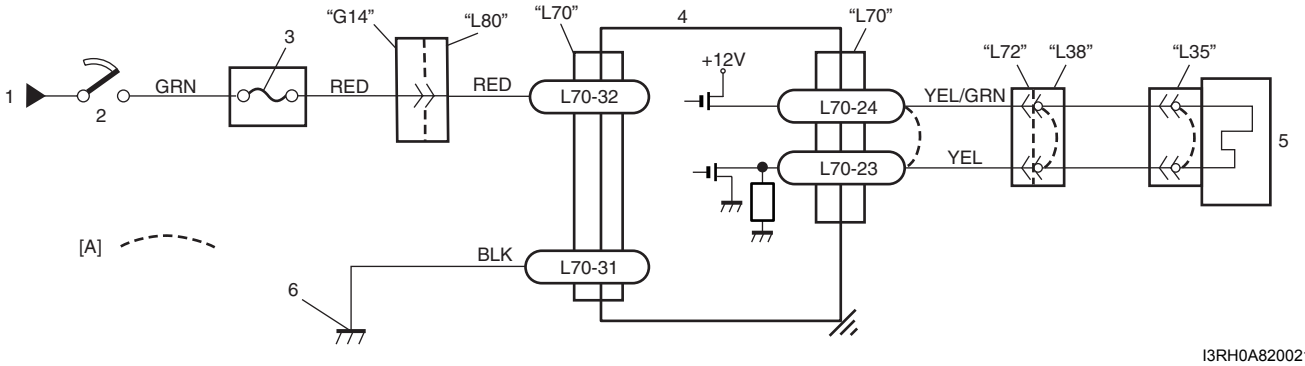
Upon completion of inspection and repair work, perform the following items.

- **Reconnect all air bag system components, ensure all components are properly mounted.**
- **Clear diagnostic trouble codes (Refer to “DTC Clearance”), if any.**
- **Repeat “Air Bag Diagnostic System Check” to confirm that the trouble has been corrected.**

DTC B1019: Passenger Air Bag Initiator Circuit Short to Power Circuit

S3RH0A8204017

Wiring Diagram



I3RH0A820021-02

[A]: Shorting bar	2. Ignition switch	4. SDM	6. Ground for air bag system
1. From main fuse	3. "AIR BAG" fuse	5. Passenger air bag (inflator) module	

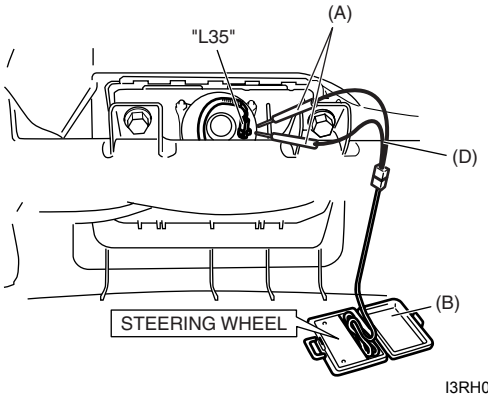
⚠ CAUTION

- **Be sure to perform "Air Bag Diagnostic System Check" before starting diagnosis according to flow table.**
- **When measurement of resistance or voltage is required in this table, use a specified digital multimeter (Refer to "Special Tool".) along with a correct terminal adaptor from special tool (Connector test adapter kit).**
- **When a check for proper connection is required, refer to "Inspection of Intermittents and Poor Connections".**
- **If there is open circuit in the air bag wire harness, connector or terminal is found damaged, replace the wire harness, connector and terminal as an assembly.**

DTC Will Set when
The voltage measured at passenger air bag initiator circuit is above a specified value for specified time.

Flow Test Description
Step 1: Check whether malfunction is in passenger air bag (inflator) module.
Step 2: Check passenger air bag (inflator) module initiator circuit in air bag harness.
Step 3: Check passenger air bag (inflator) module initiator circuit in air bag harness.

DTC Troubleshooting

Step	Action	Yes	No
1	1) With ignition switch OFF, disconnect passenger air bag (inflator) module connector "L35". 2) Check proper connection to passenger air bag (inflator) module at terminals in connector "L35". 3) If OK, then connect Special Tool (A), (B) and (C) to passenger air bag (inflator) module connector "L35" disconnected at the Step 1). **Special tool** **(A): 09932–76010** **(B): 09932-75010** **(C): 09932-78340**  I3RH0A820022-01 *With ignition switch ON, does DTC B1019 still exist?*	Go to Step 2.	Ignition switch OFF. Replace passenger air bag (inflator) module referring to "Passenger Air Bag (Inflator) Module Removal and Installation".