

C1155 BRAKE FLUID LEVEL SWITCH

Description

The brake fluid level switch converts the brake fluid level to an electric signal and transmits it to the ABS actuator and electric unit (control unit).

DTC DETECTION LOGIC

DTC	Display item	Malfunction detected condition	Possible cause
C1145	BR FLUID LEVEL LOW	Ignition switch ON and brake fluid signal low or not available for 10 seconds.	<ul style="list-style-type: none"> • Brake fluid level low • Brake fluid level switch failure • Wiring to brake fluid level switch short circuit

DTC CONFIRMATION PROCEDURE

- 1). Turn the ignition switch ON.
- 2). Perform ABS actuator and electric unit (control unit) self-diagnosis.
- 3). Is DTC "C1143" detected?
 - YES >> Proceed to diagnosis procedure.
 - NO >> INSPECTION END

Diagnosis Procedure

- 1). CHECK BRAKE FLUID LEVEL
 - A). Check the brake fluid level.
 - B). Is the inspection result normal?
 - YES >> GO TO 2.
 - NO >> Investigate and fix.

- 2). CHECK BRAKE WARNING LAMP 1
 - A). Check that the brake warning lamp illuminates after the ignition switch is turned ON.
 - B). Is the inspection result normal?
 - YES >> GO TO 3.
 - NO >> Check wiring to brake fluid level switch.

- 3).CHECK BRAKE WARNING LAMP 2
 - A).Check that the brake warning lamp in the combination meter turns ON/OFF correctly when operating the parking brake.
 - B).Is the inspection result normal?
 - YES >> GO TO 4.
 - NO >> Check parking brake switch.

- 4).CHECK CONNECTOR
 - A).Turn the ignition switch OFF.
 - B).Disconnect brake fluid level switch connector and combination meter connector.
 - C).Check terminal for deformation, disconnection, looseness, etc.
 - D).Is the inspection result normal?
 - YES >> GO TO 5.
 - NO >> Replace or repair damaged parts.

- 5).CHECK BRAKE FLUID LEVEL SWITCH
 - A).Check brake fluid level switch.
 - B).Is the inspection result normal?
 - YES >> GO TO 6.
 - NO >> Brake fluid level switch is malfunction. Replace reservoir tank.

- 6).CHECK BRAKE FLUID LEVEL SWITCH CIRCUIT
 - A).Check the continuity between brake fluid level switch harness connector and combination meter harness connector.
 - B).Check the continuity between brake fluid level switch harness connector and ground.
 - C).Is the inspection result normal?
 - YES >> Replace ABS actuator and electric unit (control unit).
 - NO >> Repair or replace damaged parts.

Component Inspection

- 1).CHECK BRAKE FLUID LEVEL SWITCH
 - A).Turn the ignition switch OFF.
 - B).Disconnect brake fluid level switch connector.
 - C).Check the continuity between brake fluid level switch connector terminals.
 - D).Is the inspection result normal?
 - YES >> INSPECTION END
 - NO >> Proceed to diagnosis procedure.

Special Repair Requirement

- 1).ADJUSTMENT OF STEERING ANGLE SENSOR NEUTRAL POSITION,
CALIBRATION OF YAW RATE/SIDE/DECEL G SENSOR AND
CALIBRATION OF PRESSURE SENSOR.
- 2).After removing/replacing an ABS actuator and electric unit (control unit), be
sure to perform the following procedure.