DTC	19	FRONT ES START VALVE MALFUNCTION (HILL HOLDER BRAKE LOCK VALVE)

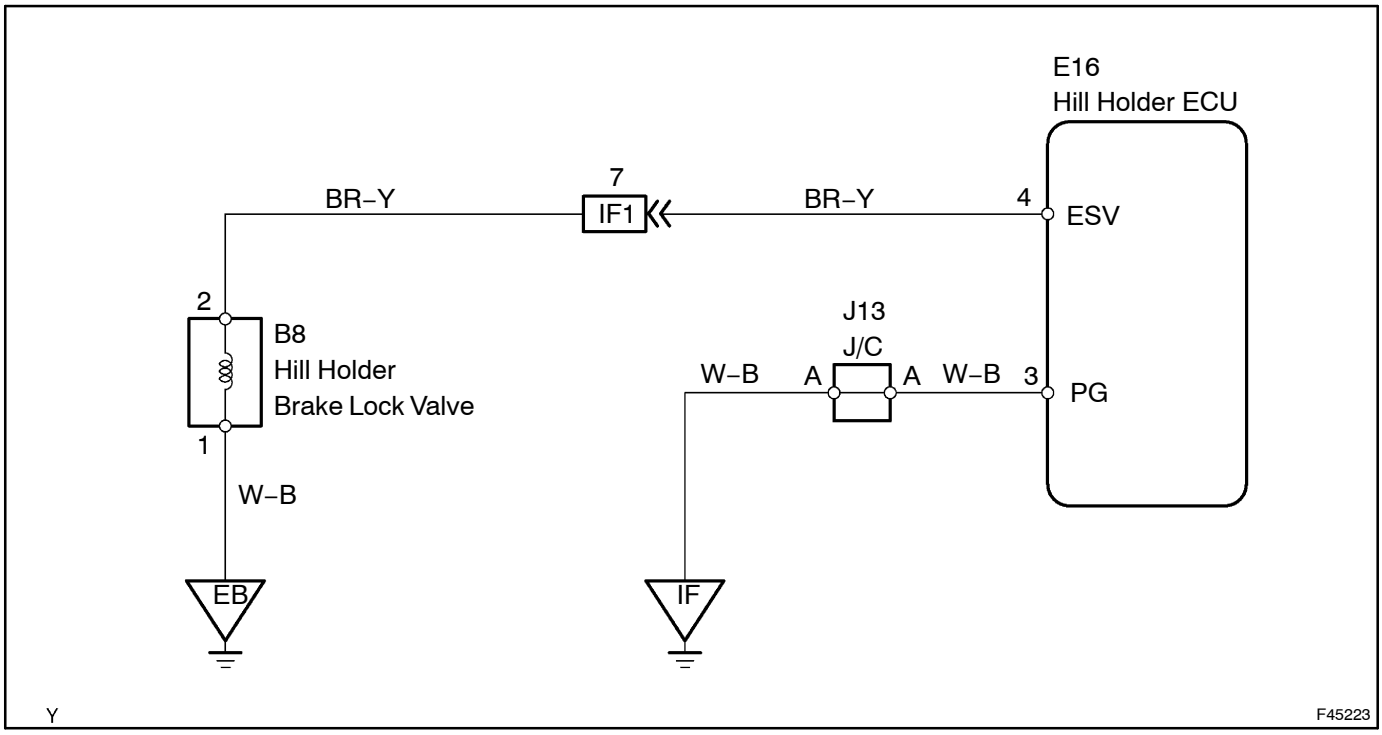
CIRCUIT DESCRIPTION

05BBV–01

The hill holder ECU feeds current to the hill holder brake lock valve to control it. When a command signal is input to the hill holder ECU from the ES start main switch, current is fed to the hill holder brake lock valve to operate the valve and the brake hydraulic pressure is maintained.

DTC No.	DTC Detection Condition	Trouble Area
19	Either condition 1. or 2. is detected: 1. Current OFF (open circuit) 2. Current ON (short circuit)	• Hill holder brake lock valve • Hill holder ECU

WIRING DIAGRAM

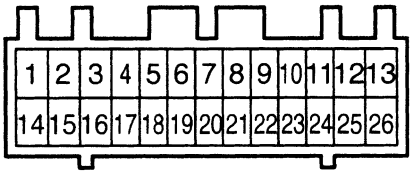


INSPECTION PROCEDURE

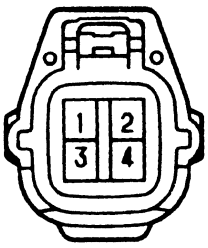
1	CHECK WIRE HARNESS (HILL HOLDER ECU ⇔ HILL HOLDER BRAKE LOCK VALVE)

Wire Harness Side

E16
Hill Holder ECU



B8
Hill Holder Brake Lock Valve



F15695
F15697

F15715

(a) Disconnect the E16 ECU connector.
(b) Disconnect the B8 valve connector.
(c) Check the continuity between the wire harness side connectors.

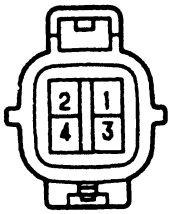
Standard:

Symbols (Terminal No.)	Specified Condition
ESV (E16–4) ⇔ – (B8–2)	Continuity
PG (E16–3) ⇔ – (B8–1)	Continuity

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

2	INSPECT HILL HOLDER BRAKE LOCK VALVE



F15698

(a) Check the valve continuity.

Standard:

Terminal No.	Continuity	Specified Condition
1 ⇔ 2	Constant	50 – 60 Ω
3 ⇔ 4	Constant	50 – 60 Ω

NG → **REPLACE HILL HOLDER BRAKE LOCK VALVE**

OK

CHECK AND REPLACE HILL HOLDER ECU