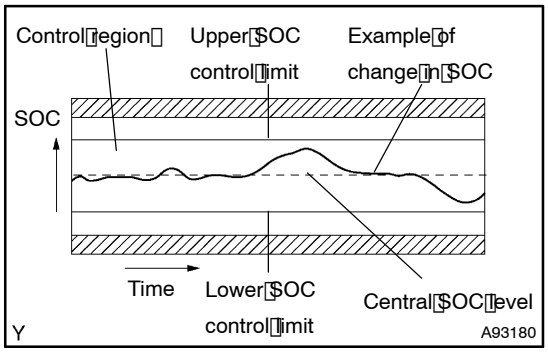
DTC P0A7F HYBRID BATTERY PACK DETERIORATION

CIRCUIT DESCRIPTION



The battery ECU calculates the SOC (state of charge) of the HV battery by estimating the amperage that flows into the HV battery and monitoring other values.
The battery ECU sends the calculated SOC to the HV control ECU. The HV control ECU charge and discharge depending on driving patterns based on the information sent by the battery ECU.

DTC No.	DTC Detection Condition	Trouble Area
P0A7F	• Resistance of HV battery assembly is higher than standard (1 trip detection logic) • When the capacity difference between battery modules exceeds the specified value (2 trip detection logic)	• HV battery assembly • Battery ECU

INSPECTION PROCEDURE

1	READ OUTPUT DTC (DTC P0A1F IS OUTPUT)

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG).
(c) Turn the intelligent tester II ON.
(d) On the intelligent tester II, enter the following menus: Powertrain / HV Battery / DTC.
(e) Read DTCs.
Result: DTC P0A1F is output

YES → **REPLACE BATTERY ECU ASSY (See page 21–100)**

NO

REPLACE HV SUPPLY BATTERY ASSY (See page 21–56)