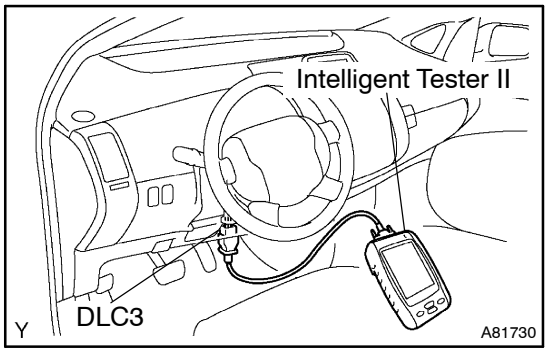
05IHC–01

OPERATION HISTORY DATA

1. OPERATION HISTORY DATA

HINT:

The operation history data records the special operations performed by the driver and the number of abnormal conditions that have been input into the HV control ECU.



(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 System Select screen, enter the following menus: Powertrain / Hybrid Control / Data List.
(e) Select the menu to view the number of special operations or controls that have been effected.

HINT:

- Latest Operation (Latest Oper): Among the past occurrences, the number of special operations or controls that have been effected during the most recent 1 trip detection.
- Latest Trip (Latest Trip): The number of trips after the occurrence of Latest Operation.
- Operation before Latest (Bef Latst Oper): The number of occurrences 1 previously from Latest Operation.
- Trip before Latest (Bef Latst Trip): The number of trips after the occurrence of Operation before Latest.

Operation history data:

Intelligent Tester II Display (abbreviation)	Count Condition
Shift gear before READY (SHIFT BEF READY)	Selector lever moved when READY lamp blinking
N range control by busy shift (N RANGE CTRL 2)	N position control effected due to frequent shifting operation
Step accelerator in N range (STEP ACCEL IN N)	Accelerator pedal depressed in N position
Auxiliary Battery Low (AUX. BATT LOW)	Auxiliary battery voltage below 9.5 V
HV ECU Intermittent problems (HV INTERMITTENT)	Instantaneous open at IGSW terminal of HV control ECU
MG2 (No1) temperature high (MG2 (NO1) TEMP HIGH)	Motor temperature climbed above 174°C (345°F)
MG2 (No2) temperature high (MG2 (NO2) TEMP HIGH)	Transaxle fluid temperature climbed above 162°C (324°F)
MG2 (motor) Inverter temperature high (MG2 INV TEMP HI)	Motor inverter temperature climbed above 111°C (232°F)
MG1 (generator) Inverter temperature high (MG1 INV TEMP HI)	Generator inverter temperature climbed above 111°C (232°F)
Main Battery low voltage (MAIN BATT LOW)	Battery state of charge dropped below 30 %

Intelligent Tester II Display (abbreviation)	Count Condition
Resister over heat (RESIST OVR HEAT)	Limit resistor forecast temperature climbed above 120°C (248°F)
Coolant heating (COOLANT HEAT)	Inverter coolant forecast temperature climbed above 65°C (149°F)
Converter heating (CONVERTER HEAT)	Boost converter temperature climbed above 111°C (232°F)
Shift P in running (SHIFT P IN RUN)	Shifted to P while driving
Shift backward direction (BKWRD DIR SHIFT)	Shifted to R while moving forward or to D or B while moving in reverse
Prevention control of staying (PREVENT STAYING)	Engine speed stays in resonance frequency band