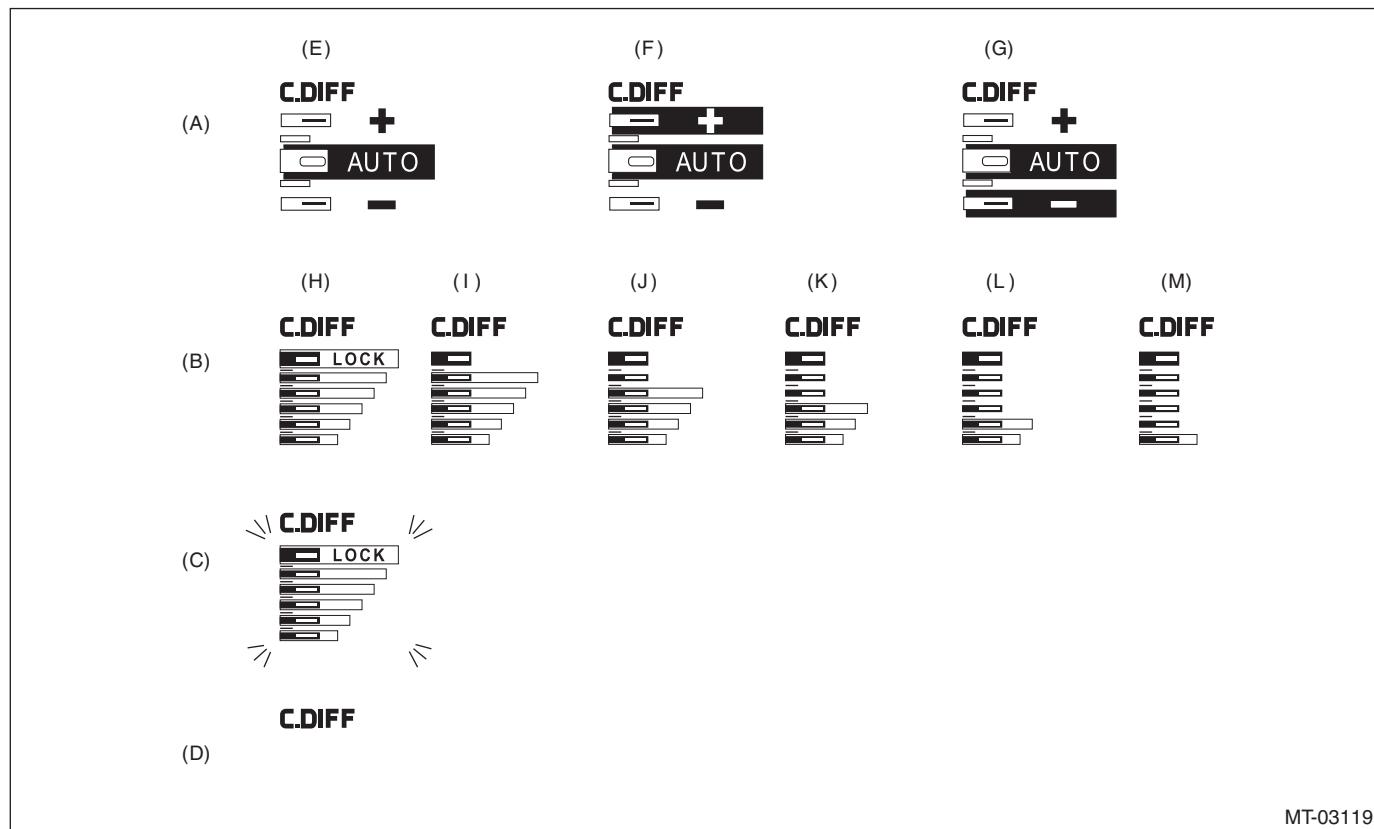


10. Drivers Control Center Differential (DCCD) Mode Display

A: OPERATION

When there is a problem with a part or module, DCCD manual mode display blinks. (DCCD manual mode display blinks even in AUTO mode condition.) The blinking starts when the problem is detected, and continues until the ignition switch is turned OFF. The faulty parts can be recognized by reading DTC with the Subaru Select Monitor.

DCCD mode display is as shown in the figure.



MT-03119

(A) AUTO mode display	(F) AUTO +	(J) 4
(B) Manual mode display	(G) AUTO -	(K) 3
(C) If faulty (blinks at 1 Hz cycle)	(H) 6 (LOCK)	(L) 2
(D) At protection control (light off)	(I) 5	(M) 1 (FREE)
(E) AUTO		

Drivers Control Center Differential (DCCD) Mode Display

MANUAL TRANSMISSION AND DIFFERENTIAL (DIAGNOSTICS)

B: INSPECTION

DIAGNOSIS:

- Defective CAN communication
- DCCD control module malfunction
- Combination meter malfunction

TROUBLE SYMPTOM:

DCCD mode display does not change even when the C.DIFF +/- switch is operated.

Step	Check	Yes	No
1 CHECK COMBINATION METER. Perform the self-diagnosis of combination meter. <Ref. to IDI-9, INSPECTION, Combination Meter System.>	Is the self-diagnosis of combination meter OK?	Go to step 2.	Repair it according to combination meter diagnostics.
2 CHECK IGNITION POWER SUPPLY CIRCUIT OF DCCD CONTROL MODULE. 1) Connect the Subaru Select Monitor to the vehicle. 2) Turn the ignition switch to ON. 3) Read the data of «Battery voltage» using Subaru Select Monitor.	Is the voltage 10 V or more?	Go to step 3.	Repair the open circuit of harness between fuse (F/B No. 12) and DCCD control module, or between fuse (F/B No. 12) and battery.
3 CHECK DTC.	Is DTC P0606 or U code displayed?	Perform the diagnosis according to DTC.	Go to step 4.
4 CHECK MODE CHANGE SWITCH. Read the data of «AUTO/MANUAL Mode Switch» using the Subaru Select Monitor.	Does the display change to ON/OFF according to the mode change switch operation?	Go to step 5.	Check the mode change switch.
5 CHECK C.DIFF +/- SWITCH (UP/DOWN). Read the data of «Up Switch» and «Down Switch» using the Subaru Select Monitor.	Does the display change to ON/OFF according to the C.DIFF +/- switch operation?	Go to step 6.	Check the C.DIFF +/- switch.
6 CHECK REAR DIFFERENTIAL OIL TEMPERATURE WARNING LIGHT.	Is the rear differential oil temperature warning light blinking?	Check the rear differential oil temperature sensor.	Go to step 7.
7 CHECK REAR DIFFERENTIAL OIL TEMPERATURE WARNING LIGHT.	Does the rear differential oil temperature warning light illuminate?	Protection control is ON due to high rear differential oil temperature. Perform the inspection again after rear differential oil temperature lowers.	Go to step 8.
8 CHECK AWD LIGHT.	Is the AWD light off?	Go to step 9.	Perform the diagnosis according to AWD light display.
9 CHECK DCCD AUTO MODE DISPLAY. Set to AUTO mode by pressing the mode change switch.	Does the DCCD AUTO mode display illuminate?	Go to step 10.	Replace the DCCD control module. <Ref. to 6MT(TY85)-36, Driver's Control Center Differential Control Module.>
10 CHECK DCCD AUTO MODE DISPLAY. Read the data of «DCCD Mode» using Subaru Select Monitor.	Does the DCCD AUTO mode display change according to the C.DIFF +/- switch operation?	Go to step 11.	Replace the DCCD control module. <Ref. to 6MT(TY85)-36, Driver's Control Center Differential Control Module.>

Drivers Control Center Differential (DCCD) Mode Display

MANUAL TRANSMISSION AND DIFFERENTIAL (DIAGNOSTICS)

Step	Check	Yes	No
11 CHECK INDICATION OF DCCD MANUAL MODE DISPLAY. Press the mode change switch to enter the manual mode.	Does the DCCD manual mode display illuminate?	Go to step 12 .	Replace the DCCD control module. <Ref. to 6MT(TY85)-36, Driver's Control Center Differential Control Module.>
12 CHECK INDICATION OF DCCD MANUAL MODE DISPLAY. Read the data of «DCCD Torque Allocation» using the Subaru Select Monitor.	Does the DCCD manual mode display change according to the C.DIFF +/- switch operation?	Go to step 13 .	Replace the DCCD control module. <Ref. to 6MT(TY85)-36, Driver's Control Center Differential Control Module.>
13 CHECK OTHER DTC.	Is any other DTC displayed?	Perform the diagnosis according to DTC.	DCCD mode display is normal.