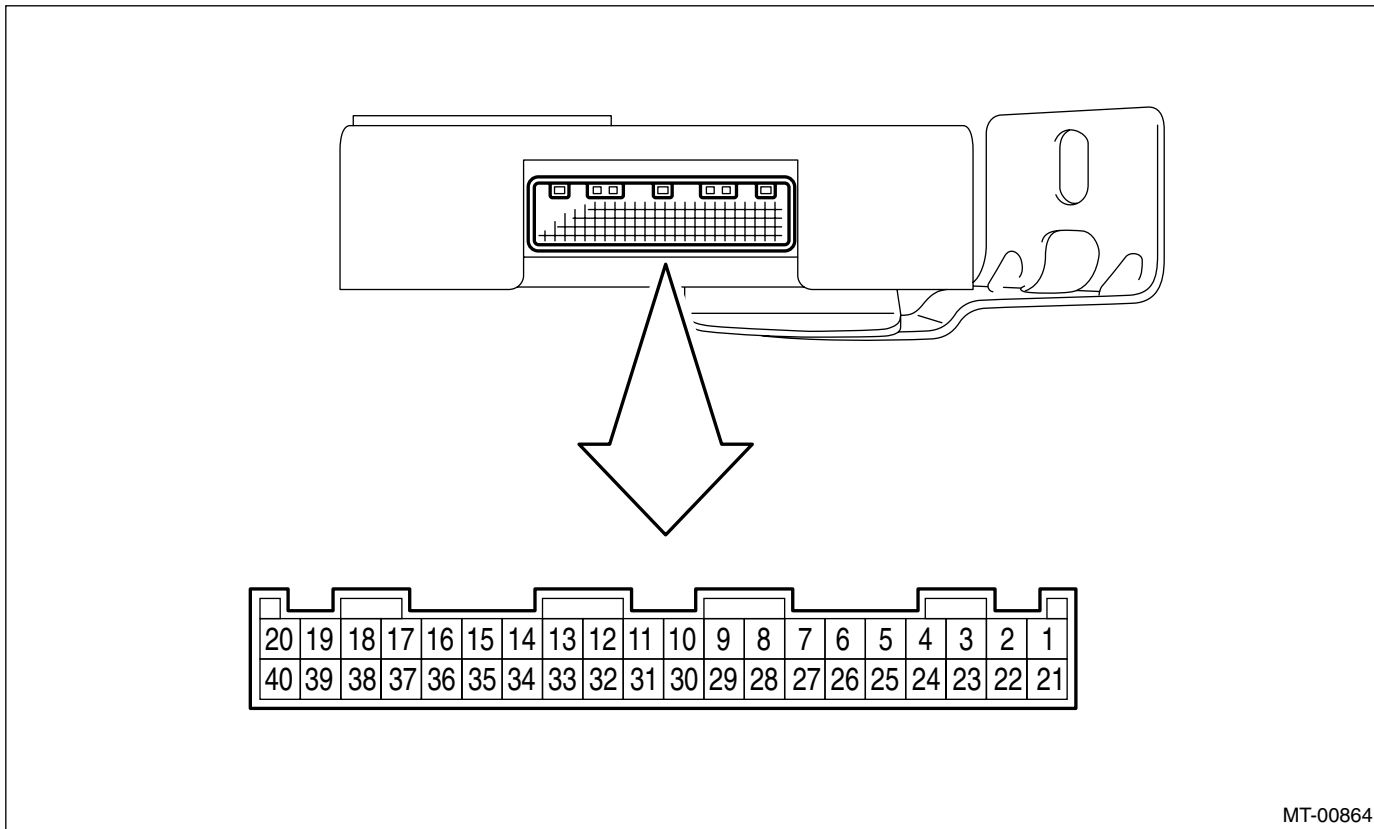


**5. Driver's Control Center Differential Control Module I/O Signal**  
**A: ELECTRICAL SPECIFICATION**



MT-00864

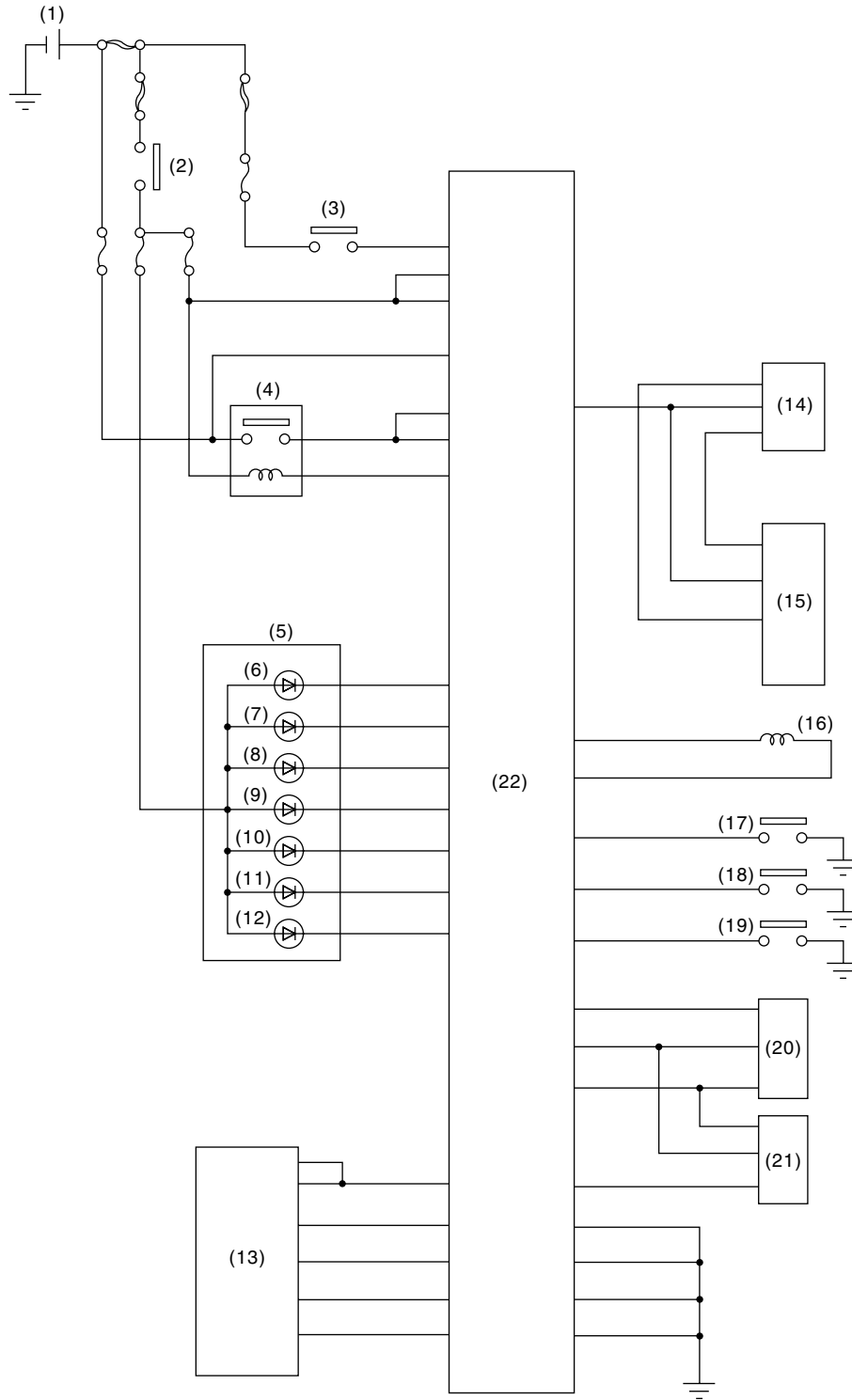
Check with ignition switch ON.				
Content	Terminal No.	Measuring conditions	Voltage (V)	To body resistance (ohm)
Back-up power supply	17	Ignition switch ON or OFF	10 — 13	—
Ignition power supply	15	Ignition switch ON (engine OFF)	10 — 13	—
	16			—
Driver's control center differential power supply	18			—
	19			—
Driver's control relay	21	Ignition switch ON	Less than 1	—
Accelerator position sensor	32	Accelerator pedal is released.	0.3 — 1.8	—
		Accelerator pedal is fully depressed.	2.8 — 4.7	
Center differential control dial power supply	13	Ignition switch ON	Approx. 5	—
Center differential control dial ground line	34	Ignition switch ON	0	—
Center differential control dial input signal	12	When differential is locked	Approx. 5	—
		When differential is free	Less than 0.5	
Lateral G sensor	33	Ignition switch ON (When lateral G sensor is horizontal)	2.3 — 2.7	—
Driver's control center differential output	20	When differential is locked (When driver's control center differential indicator light is in differential lock)	6.0 — 7.0	1.0 — 2.0 (between connector terminals)
		When differential is free (When parking brake is applied)	Less than 0.5	
Driver's control center differential ground line	40	When differential is free	Less than 0.5	

# DRIVER'S CONTROL CENTER DIFFERENTIAL CONTROL MODULE I/O SIGNAL

## MANUAL TRANSMISSION AND DIFFERENTIAL (DIAGNOSTICS)

Check with ignition switch ON.				
Content	Terminal No.	Measuring conditions	Voltage (V)	To body resistance (ohm)
Parking brake switch	11	When parking brake is applied	Less than 0.4	—
		When parking brake is released	More than 8	
Driver's control center differential indicator light (Lock ratio 0%)	4	When illuminates	Less than 1	—
		When turned off	More than 8	
Driver's control center differential indicator light (Lock ratio 15%)	3	When illuminates	Less than 1	—
		When turned off	More than 8	
Driver's control center differential indicator light (Lock ratio 35%)	2	When illuminates	Less than 1	—
		When turned off	More than 8	
Driver's control center differential indicator light (Lock ratio 65%)	1	When illuminates	Less than 1	—
		When turned off	More than 8	
Driver's control center differential indicator light (Lock ratio 85%)	24	When illuminates	Less than 1	—
		When turned off	More than 8	
Driver's control center differential indicator light (Lock ratio 100%)	23	When illuminates	Less than 1	—
		When turned off	More than 8	
AUTO indicator light	22	When illuminates	Less than 1	—
		When turned off	More than 8	
ABSCM&H/U	10	When ABS control operates	Less than 1	—
		When ABS control does not operate	More than 8	
Rear LH ABS wheel speed sensor signal	26	When stopped	Less than 1	—
		When driving	Less than 1 ←→ More than 8	
Rear RH ABS wheel speed sensor signal	27	When stopped	Less than 1	—
		When driving	Less than 1 ←→ More than 8	
Front LH ABS wheel speed sensor signal	28	When stopped	Less than 1	—
		When driving	Less than 1 ←→ More than 8	
Front RH ABS wheel speed sensor signal	29	When stopped	Less than 1	—
		When driving	Less than 1 ←→ More than 8	
Stop light switch	9	Brake pedal depressed.	More than 8	—
		Brake pedal released.	Less than 1	
Rear differential oil temperature switch	7	Rear differential oil temperature switch OFF	More than 8	—
		Rear differential oil temperature switch ON	Less than 0.4	
Manual mode switch	8	Switch is released	More than 4.3	—
		Switch is depressed	Less than 0.1	
Data link signal (Subaru Select Monitor)	5	—	—	—
	6			—
Driver's control center differential control module ground line	36	—	0	—
	37			—
	38			—
	39			—

**B: SCHEMATIC**



MT-00865

# DRIVER'S CONTROL CENTER DIFFERENTIAL CONTROL MODULE I/O SIGNAL

## MANUAL TRANSMISSION AND DIFFERENTIAL (DIAGNOSTICS)

---

- |   |   |  |
|---|---|--|
| (1) Battery   | (9) Driver's control center differential indicator light (Lock ratio 65%)   | (17) Parking brake switch                                |
| (2) Ignition relay  |   | (18) Manual mode switch                                  |
| (3) Stop light switch   | (10) Driver's control center differential indicator light (Lock ratio 85%)  | (19) Rear differential oil temperature switch            |
| (4) Driver's control center differential relay                            | (11) Driver's control center differential indicator light (Lock ratio 100%) | (20) Center differential control dial                    |
| (5) Combination Meter   | (12) AUTO indicator light   | (21) Lateral G sensor                                    |
| (6) Driver's control center differential indicator light (Lock ratio 0%)  | (13) ABS control module & hydraulic control unit (ABSCM&H/U)                | (22) Driver's control center differential control module |
| (7) Driver's control center differential indicator light (Lock ratio 15%) | (14) Accelerator position sensor  |  |
| (8) Driver's control center differential indicator light (Lock ratio 35%) | (15) Engine control module (ECM)  |  |
|   | (16) Driver's control center differential                                   |  |