

## CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

**Block Diagram:**

- TO POWER SUPPLY CIRCUIT** (FB-30 F/B FUSE NO. 5 (IG))
- COMBINATION METER** (i10, i110)
- LCD SHIFT INDICATOR** (I/F, SHIFT UP, SHIFT DOWN, SHIFT POSITION)
- MICRO COMPUTER**
- CAN TRANSCEIVER & RECEIVER**
- TCM** (B55)

**Pinout Diagrams:**

**COMBINATION METER (i10, i110)**

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

**TCM (B55)**

|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

|   | Step                                                                                                                                                                                                      | Check                                | Yes                                              | No                                            |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|-----------------------------------------------|
| 1 | <b>CHECK TCM.</b><br>Check the DTC relating the TCM using the Subaru Select Monitor.                                                                                                                      | Is only DTC P1725 displayed?         | Perform the self-diagnosis of combination meter. | Go to step 2.                                 |
| 2 | <b>CHECK TCM.</b><br>Check the DTC relating the TCM using the Subaru Select Monitor.                                                                                                                      | Are DTCs other than P1725 displayed? | Perform the diagnosis according to DTC.          | Go to step 3.                                 |
| 3 | <b>CHECK COMBINATION METER.</b><br>Check the DTC of combination meter.                                                                                                                                    | Is DTC displayed?                    | Perform the diagnosis according to DTC.          | Go to step 4.                                 |
| 4 | <b>CHECK TCM.</b><br>1) Turn the ignition switch OFF, then turn it ON again.<br>2) Shift the select lever to manual mode.<br>3) Read the "Shift step in Manu. mode" data using the Subaru Select Monitor. | Is "1" displayed?                    | Go to step 5.                                    | Perform the diagnosis according to DTC P0951. |
| 5 | <b>CHECK TCM.</b><br>1) Shift up the select lever.<br>2) Read the "Shift step in Manu. mode" data using the Subaru Select Monitor.                                                                        | Is "2" displayed?                    | Currently, shift indicator is normal.            | Check the TCM.                                |