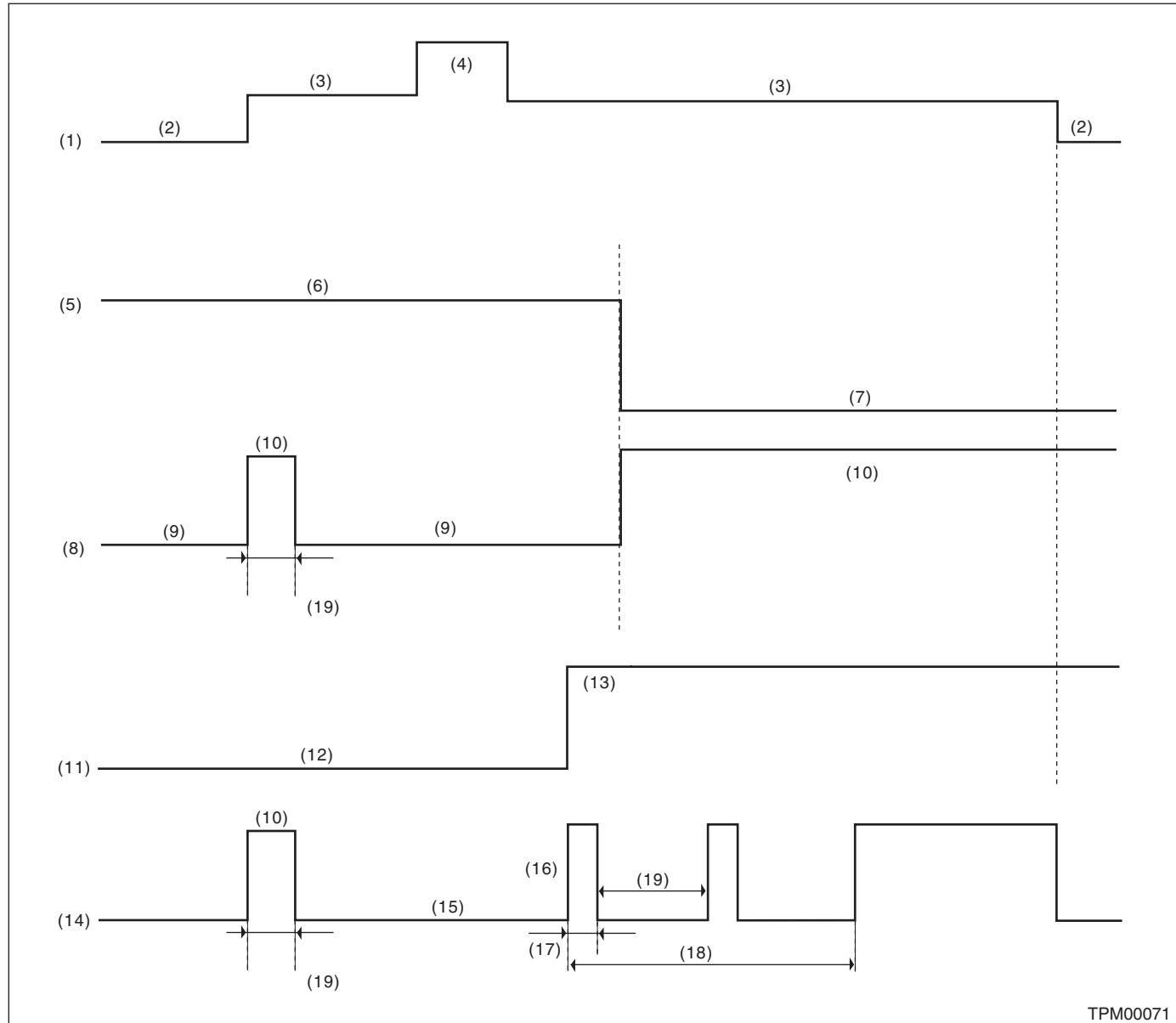


# Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

## TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

### 12. Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

#### A: INSPECTION



|  |  |                      |
|--|--|----------------------|
| (1) Ignition switch  | (8) Tire inflation pressure warning light (pressure condition) | (15) Light OFF       |
| (2) OFF  | (9) Light OFF  | (16) Blink           |
| (3) ON   | (10) Light ON  | (17) 1 second        |
| (4) Start  | (11) System status   | (18) Blinks 25 times |
| (5) Tire inflation pressure condition  | (12) Normal  | (19) 2 seconds       |
| (6) Meet the specification   | (13) Malfunction   |                      |
| (7) Less than standard value<br>(For the pressure warning level,<br>refer to "CURRENT DATA".) <Ref.<br>to TPM(diag)-14, LIST, Read Cur-<br>rent Data.> | (14) Tire inflation pressure warning light (system condition)  |                      |

# Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

## TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

- 1) When the tire pressure warning light does not illuminate in accordance with this illumination pattern, there must be an electrical malfunction.
- 2) If the tire pressure warning light does not go off, check the TPMS & keyless entry control module/warning light circuit and the combination meter circuit. <Ref. to TPM(diag)-20, TIRE PRESSURE WARNING LIGHT DOES NOT COME OFF, Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern.>

### NOTE:

If the problem is fixed while driving at approximately 40 km/h (25 MPH) after the tire pressure warning light blinks/lights, the warning light goes out and the tire pressure monitor system operates normally. (If there is a decrease in tire pressure, or a malfunction of the system, the malfunction history is displayed.)

## B: TIRE PRESSURE WARNING LIGHT DOES NOT COME ON

### DETECTING CONDITION:

Defective combination meter

### TROUBLE SYMPTOM:

When the ignition switch is turned to ON, the tire pressure warning light does not turn on (for approx. 2 seconds).

| Step  | Check                                | Yes  | No  |
|---|--------------------------------------|--|---|
| 1<br><b>CHECK DIAGNOSTIC TROUBLE CODE (DTC).</b><br>Connect the Subaru Select Monitor, and read the Diagnostic Trouble Code. <Ref. to TPM(diag)-12, OPERATION, Read Diagnostic Trouble Code (DTC).> | Is diagnostics code (DTC) displayed? | Perform the diagnosis according to the DTC. <Ref. to TPM(diag)-23, List of Diagnostic Trouble Code (DTC).> | Replace the combination meter.<br><Ref. to IDI-18, REMOVAL, Combination Meter.> |

# Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

## TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

### C: TIRE PRESSURE WARNING LIGHT DOES NOT COME OFF

#### DETECTING CONDITION:

- Defective combination meter
- Tires pressure drop
- Transmitter ID not registered

#### TROUBLE SYMPTOM:

Tire pressure warning light remains illuminating after engine starts.

| Step  | Check                             | Yes  | No   |
|---|-----------------------------------|--|--|
| 1 <b>CHECK DTC.</b><br>Connect the Subaru Select Monitor, and read the Diagnostic Trouble Code. <Ref. to TPM(diag)-12, OPERATION, Read Diagnostic Trouble Code (DTC).>      | Is a DTC displayed?               | Perform the diagnosis according to the DTC. <Ref. to TPM(diag)-23, List of Diagnostic Trouble Code (DTC).> | Go to step 2.  |
| 2 <b>CHECK TRANSMITTER (ID).</b><br>Display the transmitter ID of the tire pressure monitor system.   | Is the transmitter ID registered? | Go to step 3.  | Register the transmitter ID. <Ref. to TPM(diag)-15, OPERATION, Register Transmitter (ID).> |
| 3 <b>CHECK TRANSMITTER DATA OUTPUT.</b><br>1) Select data display of the tire pressure monitoring.<br>2) Start the engine and check the tire pressure warning light output. | Is the warning light output ON?   | Replace the TPMS & keyless entry control module. <Ref. to WT-9, REMOVAL, Tire Pressure Monitoring System.> | Replace the combination meter. <Ref. to IDI-18, REMOVAL, Combination Meter.>               |

# Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

## D: TIRE PRESSURE WARNING LIGHT IS 25 TIMES BLINKING AND TURN ON

### DETECTING CONDITION:

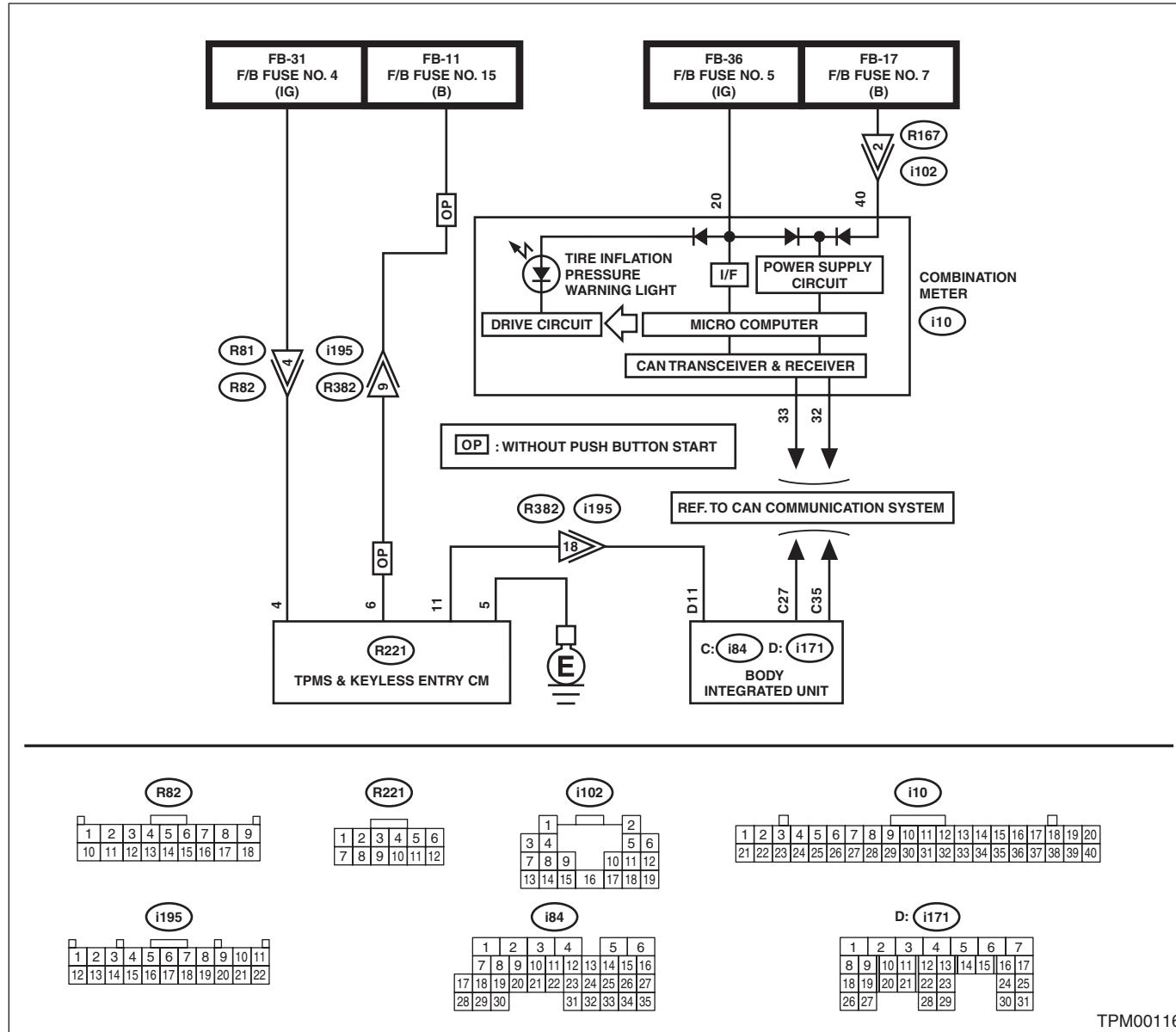
- Defective TPMS & keyless entry control module
- Defective harness
- Transmitter is faulty.

### TRouble SYMPTOM:

Every time the engine starts, tire pressure warning light blinks 25 times and then illuminates.

### WIRING DIAGRAM:

Tire pressure monitoring system <Ref. to WI-408, WIRING DIAGRAM, Tire Pressure Monitoring System.>



| Step   | Check                                | Yes  | No            |
|--|--------------------------------------|--|---------------|
| 1 <b>CHECK DTC.</b><br>Connect the Subaru Select Monitor, and read the Diagnostic Trouble Code. <Ref. to TPM(diag)-12, OPERATION, Read Diagnostic Trouble Code (DTC).> | Is diagnostics code (DTC) displayed? | Perform the diagnosis according to the DTC. <Ref. to TPM(diag)-23, List of Diagnostic Trouble Code (DTC).> | Go to step 2. |

# Tire Pressure Warning Light / Trouble Indicator Light Illumination Pattern

## TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

| Step   | Check                                      | Yes  | No   |
|--|--|--|--|
| <b>2</b> <b>CHECK LAN COMMUNICATION.</b><br>Inspect LAN system. <Ref. to LAN(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>  | Is there any fault?                        | Repair it according to the diagnosis for LAN system. | Go to step <b>3</b> .  |
| <b>3</b> <b>CHECK HARNESS.</b><br>Measure the resistance between TPMS & keyless entry control module and body integrated unit.<br><i>Connector &amp; terminal<br/>(R221) No. 11 — (i171) No. 11:</i> | Is the resistance less than 10 Ω?          | Go to step <b>4</b> .                                | Repair the harness.  |
| <b>4</b> <b>CHECK CONNECTOR.</b><br>Check each connector.  | Is there poor contact or any other faults? | Repair the connector.                                | Replace the TPMS & keyless entry control module. <Ref. to WT-9, REMOVAL, Tire Pressure Monitoring System.> |