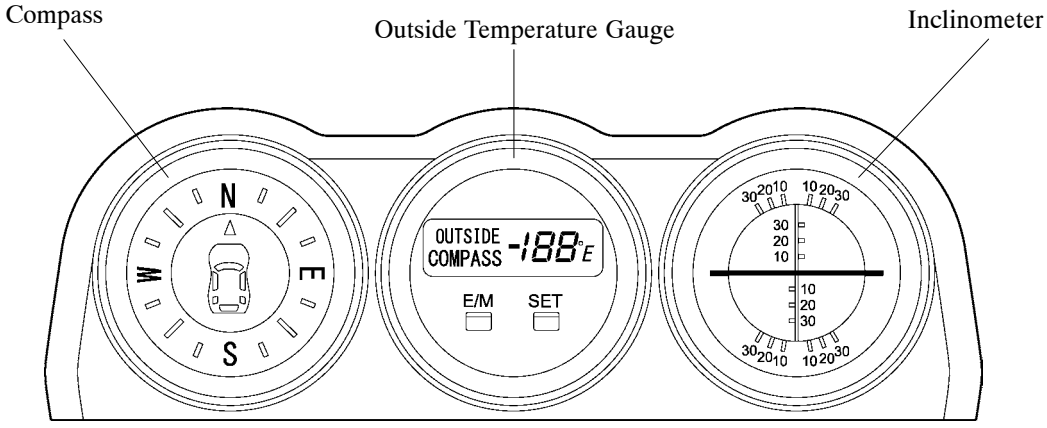
■ACCESSORY METER

1. General

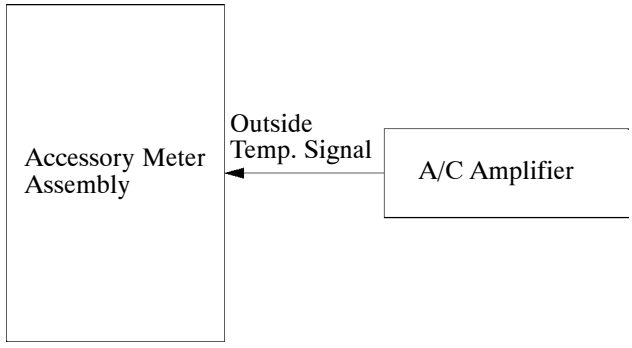
The accessory meter is available as optional equipment. The accessory meter has the following function:

Item	Outline
Outside Temperature Gauge	Communicates with the A/C amplifier and digitally displays the outside temperature calculated by the A/C amplifier.
Inclinometer	Uses an analog float type inclination sensor to displays the inclination angle.
Compass	A cross coil is used to turn the analog dial that displays the compass direction.



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▶ System Diagram ◀



0240BE22C

2. Construction

Outside Temperature Gauge

- The outside temperature gauge receives an outside temperature signal from the A/C amplifier and digitally displays the outside temperature.
- Display range: -22°F to 122°F (-30°C to 50°C)
- The default scale setting of the temperature display is "°F". Pressing the E/M switch when the outside temperature is displayed changes the temperature scale to "°C".
- If a problem occurs in the outside temperature gauge, the outside temperature gauge displays "--" to inform the driver.

Inclinometer

- This analog inclinometer displays longitudinal and lateral inclination using the rotation of the sphere.
- Display range: Longitudinal inclination: -30° to 30°/Lateral inclination: -30° to 30°

Compass

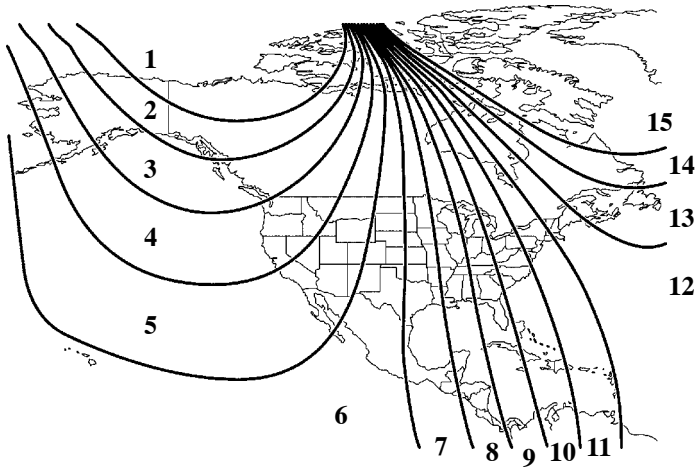
- The analog compass uses a cross coil to indicate the direction of movement of the vehicle.
- Indication range: N/NE/E/SE/S/SW/W/NW
- For 5 seconds after the ignition switch is turned off, the compass continues to indicate the direction which was indicated until the ignition switch was turned off.
- After the ignition switch is turned on, the compass will indicate "N" for 3 seconds and then indicate the actual direction.

Service Tip

The compass has a function to correct a direction indication error which is caused by the magnetization of the vehicle. This function can be divided into three modes: manual calibration mode (performed by turning the vehicle), auto mode, and declination calibration mode in which a direction error caused by the difference between magnetic north and true north is corrected.

1) Declination Calibration Mode

1. When the ignition switch is on, press and hold the SET switch for 1.7 seconds to enter the declination calibration mode.
2. Press the E/M switch several times until the number of the zone in which the vehicle is currently located is displayed. The zone number is displayed on the outside temperature gauge.



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2) Manual Calibration Mode

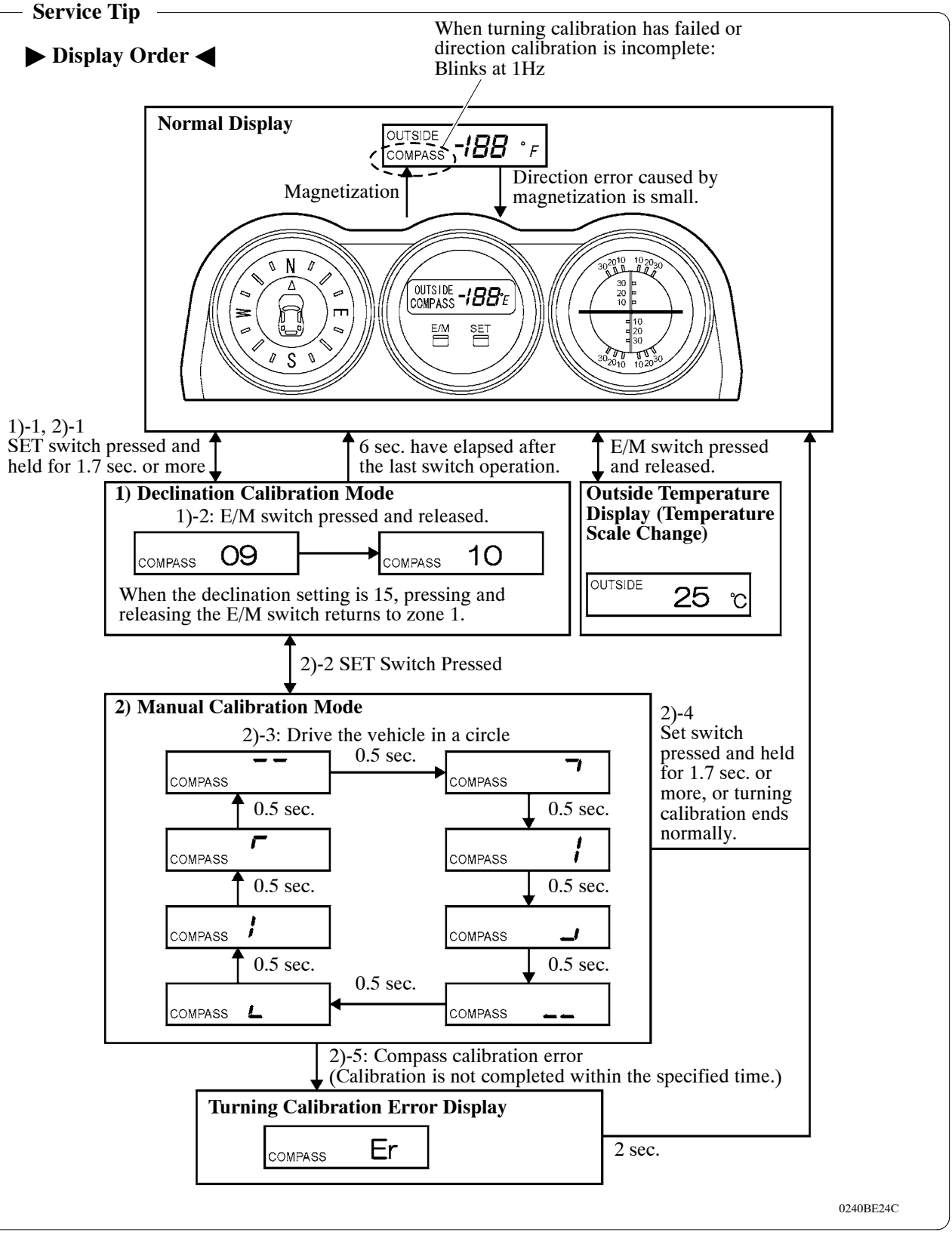
1. When the ignition switch is on, press and hold the SET switch for 1.7 seconds to enter the declination calibration mode.
2. Press the SET switch again to transfer to the manual calibration mode.
3. Drive the vehicle in a circle.
   (Pressing the SET switch while the vehicle is turning discards calibration data acquired while turning and returns the compass mode to the declination calibration mode. Pressing and holding the SET switch for 1.7 seconds cancels the manual calibration mode and return the compass mode to the normal display mode.)
4. When compass calibration is completed, the manual calibration mode ends automatically and the compass mode returns to the normal display mode.
5. If compass calibration is not completed within 2 minutes, calibration data is discarded and the “Er” display blinks for 2 seconds is blinked to inform the driver of a calibration error. After the, the compass mode returns to the normal display mode.

3) Auto Calibration Mode

When the vehicle makes a turn of 75° or more at a speed between 2 and 35 km/h, several direction signals (coordinate points) are detected and the center point is calculated. The compass periodically detects this center point, automatically performing compass calibration.

Service Tip

▶ Display Order ◀



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