1. Information you should know

If one of these messages appears
If any of the following messages are displayed, check the equipment while referring to the Cause and Remedy columns.

### Messages related to general navigation

<table>
<thead>
<tr>
<th>Messages</th>
<th>Cause</th>
<th>Corrective action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check GPS antenna</td>
<td>The GPS antenna is not connected properly.</td>
<td>Connect the GPS antenna properly.</td>
</tr>
<tr>
<td>Check speed pulse</td>
<td>The device is not properly connected to the vehicle speed sensor. Each time the disconnected battery is reconnected, this is displayed.</td>
<td>Connect the vehicle speed sensor properly. The input status of the vehicle speed signal can be confirmed on the SYSTEM CHECK screen.</td>
</tr>
<tr>
<td>No DVD. Please insert map DVD.</td>
<td>The map disk is not inserted.</td>
<td>Insert the map disk.</td>
</tr>
<tr>
<td>Unable to read data. Check if map DVD is correct.</td>
<td>A disk other than the map disk is inserted.</td>
<td>Remove the inserted disk and insert the correct map disk.</td>
</tr>
<tr>
<td>Unable to read DVD correctly. Check if the DVD is damaged or dirty.</td>
<td>The data cannot be read due to scratches and/or dirt on the map disk.</td>
<td>Check whether there are any scratches and/or dirt on the map disk and contact the store of purchase.</td>
</tr>
<tr>
<td>DVD check in process.</td>
<td>The device is now reading the map disk data.</td>
<td>Wait until a map is displayed on the screen.</td>
</tr>
<tr>
<td>Unable to read data. Temperature is too high.</td>
<td>The DVD player temperature is high.</td>
<td>Wait until the temperature has fallen.</td>
</tr>
<tr>
<td>Too many characters were input.</td>
<td>Character entry count for memory point names beyond capacity.</td>
<td>Decrease the character entry count and reenter.</td>
</tr>
<tr>
<td>No previous points registered.</td>
<td>There are no previously set destinations.</td>
<td>Register a destination in the archive and proceed. (Setting a destination registers it in the archives.)</td>
</tr>
<tr>
<td>Home is not registered. Register in menu Memory Point.</td>
<td>Your home is not registered as a memory point.</td>
<td>Register your home as a memory point and proceed. (Refer to page 103)</td>
</tr>
<tr>
<td>No quick access point registered. Register in menu Memory Point.</td>
<td>A special memory is not registered for the memory point.</td>
<td>Register a special memory for the memory point and proceed. (Refer to page 117)</td>
</tr>
<tr>
<td>Messages</td>
<td>Cause</td>
<td>Corrective action</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>No roads possible for guidance near current</td>
<td>There are no roads where route guidance is possible in the vicinity of</td>
<td>Refer to a map and proceed.</td>
</tr>
<tr>
<td>position. Please refer to map.</td>
<td>the present location.</td>
<td></td>
</tr>
<tr>
<td>No roads possible for guidance near current</td>
<td>There are no roads where route guidance is possible in the vicinity of</td>
<td>Refer to a map and proceed.</td>
</tr>
<tr>
<td>position and destination. Please refer to</td>
<td>the present location and destination.</td>
<td></td>
</tr>
<tr>
<td>map.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No roads possible for guidance near</td>
<td>There are no roads where route guidance is possible in the vicinity of</td>
<td>Refer to a map and proceed.</td>
</tr>
<tr>
<td>destination. Please refer to map.</td>
<td>the destination.</td>
<td></td>
</tr>
<tr>
<td>Seasonal traffic restricted roads on this</td>
<td>The system searched for a route that included a seasonally restricted</td>
<td>If changing to a route that bypasses the seasonally restricted segment is desired,</td>
</tr>
<tr>
<td>route.</td>
<td>segment.</td>
<td>bypass the restricted segment after changing the route. (Refer to page 72)</td>
</tr>
<tr>
<td>Destination too far. Please change to a point</td>
<td>The set destination is too far.</td>
<td>Set the destination within a 5,000 km distance in straight line.</td>
</tr>
<tr>
<td>within 5000 km in a straight line.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 preferred roads have been set. Perform</td>
<td>You attempted to set 3 or more transit road indications when</td>
<td>Up to 2 transit roads can be indicated. Delete unnecessary transit roads before</td>
</tr>
<tr>
<td>operation again after deleting them.</td>
<td>changing the route.</td>
<td>adding a new one.</td>
</tr>
<tr>
<td>No roads possible for guidance nearby. Perform</td>
<td>There are no roads available to serve as transit roads when</td>
<td>Move the map and indicate a transit road among the roads in the vicinity.</td>
</tr>
<tr>
<td>operation again after moving.</td>
<td>indicating one for a route change.</td>
<td></td>
</tr>
<tr>
<td>Unable to save additional points. Please</td>
<td>You attempted to set more than 5 destinations.</td>
<td>Up to 5 destinations can be set. Delete unnecessary destinations and proceed with</td>
</tr>
<tr>
<td>delete some points.</td>
<td></td>
<td>adding new ones. (Refer to page 81)</td>
</tr>
<tr>
<td>Unable to search for new route. Previous</td>
<td>A new route could not be found when reinitiating a route search.</td>
<td>Route guidance will proceed using the present route. (Drive referring to the route</td>
</tr>
<tr>
<td>route will be displayed.</td>
<td></td>
<td>guidance.)</td>
</tr>
<tr>
<td>Destination is nearby. Please check the map.</td>
<td>You attempted to set the destination in a nearby location.</td>
<td>The destination is nearby. Refer to the map and continue driving.</td>
</tr>
<tr>
<td>No corresponding POI nearby.</td>
<td>There is no corresponding POI found nearby for the POI search in the</td>
<td>Search for the POI in another area.</td>
</tr>
<tr>
<td></td>
<td>vicinity.</td>
<td></td>
</tr>
<tr>
<td>No corresponding POI on route.</td>
<td>There is no corresponding POI found nearby for the POI search along</td>
<td>Search for the POI in another area.</td>
</tr>
<tr>
<td></td>
<td>the route.</td>
<td></td>
</tr>
<tr>
<td>Position cannot be specified in this scale.</td>
<td>You attempted to set/register a destination/memory point on a map with</td>
<td>Set/register a destination/memory point on a more detailed map (with a reduction</td>
</tr>
<tr>
<td>Switching to more detailed map.</td>
<td>a reduction scale of more than 0.5 miles.</td>
<td>scale of less than 0.5 miles).</td>
</tr>
</tbody>
</table>
### 1. Information you should know

<table>
<thead>
<tr>
<th>Messages</th>
<th>Cause</th>
<th>Corrective action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The destination is surrounded by water. Change destination?</td>
<td>There is a river or other body of water between the destination and the nearest road.</td>
<td>Touch <strong>Yes</strong> move the map and set a destination near the road. Touch <strong>No</strong> to set the destination on the position displayed.</td>
</tr>
<tr>
<td>No memory point registered. Register in menu Memory Point.</td>
<td>You attempted to retrieve a map using a memory point when there is none registered.</td>
<td>Register a memory point and proceed. (Refer to page 107)</td>
</tr>
<tr>
<td>Unable to register additional points. Perform operation again after deleting unnecessary points.</td>
<td>You attempted to register a memory point when there are 106 points already registered.</td>
<td>Delete unnecessary memory points and proceed to register a new one. (Refer to page 116)</td>
</tr>
</tbody>
</table>
Before asking for repairs

Slight differences in operation can sometimes be mistaken for malfunctions, so check the following table before asking for any repairs.
If the following fail to solve the problem, contact the place of purchase.

### Items related to general navigation functions

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible reason</th>
<th>Corrective action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The map does not move even when driving.</td>
<td>Is the display showing a screen other than the present location screen?</td>
<td>Display the present location screen. (Refer to page 27)</td>
</tr>
<tr>
<td>The vehicle position mark does not appear.</td>
<td>Is the display showing a screen other than the present location screen?</td>
<td>Display the present location screen. (Refer to page 27)</td>
</tr>
<tr>
<td>The GPS mark does not appear.</td>
<td>Is the device in a situation where GPS data cannot be utilized?</td>
<td>Move the vehicle to an area free of obstructions or remove the object placed on the GPS antenna.</td>
</tr>
<tr>
<td></td>
<td>Is the guidance paused?</td>
<td>If the route guidance is paused, resume guidance. (Refer to page 85)</td>
</tr>
<tr>
<td></td>
<td>Is the guidance volume turned down (voice OFF)?</td>
<td>Turn up the volume. (Refer to page 26)</td>
</tr>
<tr>
<td>Small blemishes or luminescent spots on the monitor screen</td>
<td>This phenomenon is characteristic of liquid crystal panels. The liquid crystal panel is make with high-tech precision and has 99.99% or more effective imaging.</td>
<td>This is not a defect, so please use the equipment in this condition.</td>
</tr>
<tr>
<td>For a moment after turning the engine switch ON, there is an irregular display on the screen.</td>
<td>In cold weather, the liquid crystal panel's backlight features may emit light unevenly.</td>
<td>This condition stops in a few minutes as the backlight warms up.</td>
</tr>
<tr>
<td>The screen is difficult to view.</td>
<td>Are the contrast and brightness correctly adjusted?</td>
<td>Adjust the contrast and brightness. (Refer to page 22)</td>
</tr>
<tr>
<td>The vehicle position mark appears on a spot different from the actual present location. (The vehicle position mark is misaligned.)</td>
<td>The vehicle position mark may be misaligned depending on the satellite conditions or vehicle conditions (where and how the vehicle is driven). Also, the vehicle position mark may be misaligned if driving on a newly constructed road or on a road with a shape that differs from the shape recorded in the map data.</td>
<td>Continue driving and, in a moment, the present location will be automatically corrected using the map matching and GPS data. (Depending on the case, this may take several minutes.) If signals from the GPS are not utilized and the present location is left uncorrected, park the vehicle in a safe place and correct the present location. (Refer to page 134)</td>
</tr>
</tbody>
</table>
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**GPS (Global Positioning System)**

The GPS is a system that uses signals received from a satellite in a maximum orbit of approximately 21,000 km above the earth to indicate your present position (latitude, longitude, altitude). These satellites were launched into space by the U.S. Department of Defense to be used for military purposes. This system was released for public utility.

**Independent navigation**

This technology uses data from a vehicle speed sensor and vibration gyro sensor to track the path followed by your vehicle in order to pinpoint your present location. The present location of your vehicle can be pinpointed even in tunnels and under elevated roads.

**Positioning**

Signals are received from 3 or more GPS satellites to pinpoint the present location of your vehicle. The device will display a [GPS] mark on the upper left part of the present location screen when it is receiving signals from 3 or more satellites and positioning is rendered possible. (The [GPS] mark is not displayed on the setting or registration screens.)
2- and 3-dimensional positioning

The GPS calculates your position using a 3-point measurement principle. Signals received from one satellite are used to determine the distance from that satellite to your vehicle. Signals received from 3 satellites can pinpoint your present location. However, there exists a margin of error in the GPS satellite and navigation unit resulting in 2-dimensional positioning using latitudinal and longitudinal coordinates if signals from only 3 satellites can be received. In such a case, accuracy is low.

Also, when receiving signals from 4 or more satellites, 3-dimensional positioning is effectuated using the latitude, longitude and altitude of your vehicle. 3-dimensional positioning is more accurate than 2-dimensional positioning and the vehicle position display error margin is reduced.

Vibration gyro sensor

This sensor electronically detects in which direction your vehicle turned. This sensor plays a very important role in the independent navigation function of this device.
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