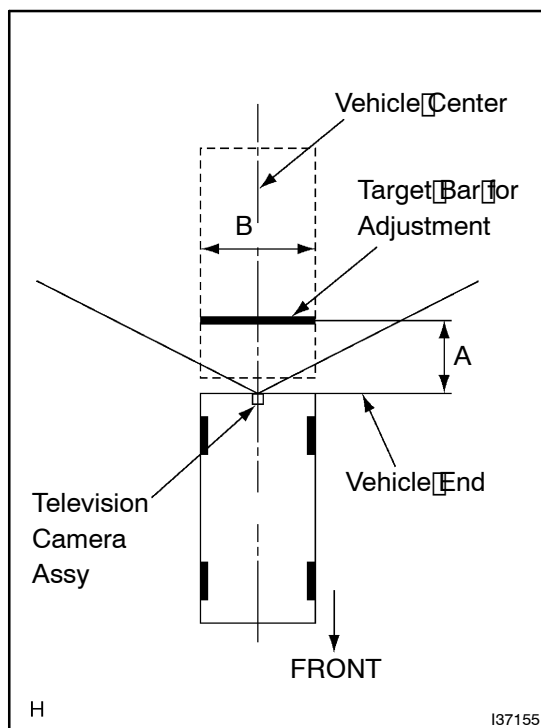


# ADJUSTMENT

## 1. SYSTEM ADJUSTMENT

- (a) This backguide monitor system can be set from the diagnostic screen of the "NAVIGATION SYSTEM".  
 (b) If the following operations are performed, adjustment and check on the diagnostic screen are required.

Parts Name	Operation	Adjustment Item
Television camera assy	<ul style="list-style-type: none"> <li>Replace</li> <li>Installation angle of the television camera assy is displaced because of the removal and installation of the television camera assy, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Television camera assy optical axis (Camera position setting)</li> </ul>
Television camera ECU	<ul style="list-style-type: none"> <li>Replace</li> </ul>	<ul style="list-style-type: none"> <li>Steering angle neutral point in memory</li> <li>Store the left and right maximum steering angle</li> <li>Television camera assy optical axis (Camera position setting)</li> </ul>



## 2. PREPARATION FOR ADJUSTMENT

### HINT:

Only when adjusting the optical axis of the camera, install the target bar for adjustment.

- (a) Park the vehicle with the steering wheel straight ahead.  
 (b) Install the target bar for adjustment.

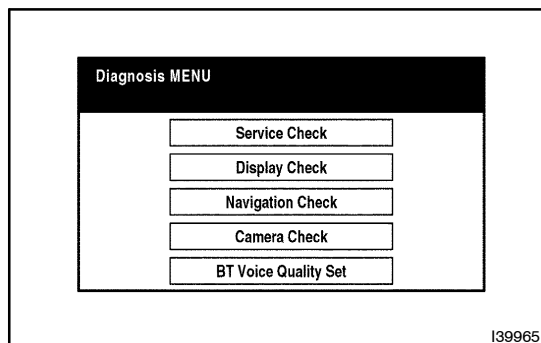
### Standard:

**A:  $1,000 \pm 5 \text{ mm}$  ( $39.37 \pm 0.20 \text{ in}$ )**

**B:  $2,000 \pm 5 \text{ mm}$  ( $78.74 \pm 0.20 \text{ in}$ )**

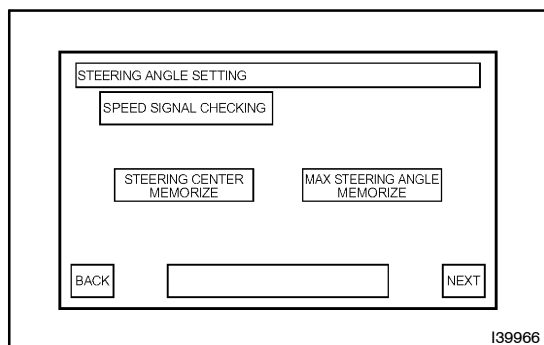
### HINT:

- The target bar for adjustment is a  $25 \pm 5 \text{ mm}$  ( $0.98 \pm 0.20 \text{ in}$ ) wide by  $2,000 \pm 5 \text{ mm}$  ( $78.74 \pm 0.20 \text{ in}$ ) long piece of tape stuck to the floor. Check the color on the screen in the vehicle and choose a tape color which can be easily seen.
- Before parking the vehicle, move the vehicle back and forth to check that the tires and the steering wheel are facing straight ahead.



## 3. BOOT DIAGNOSIS MODE

- (a) Start the engine.  
 (b) Start the diagnostic system (see page 05-1190).  
 (c) Select "Camera Check" on the Diagnosis MENU.



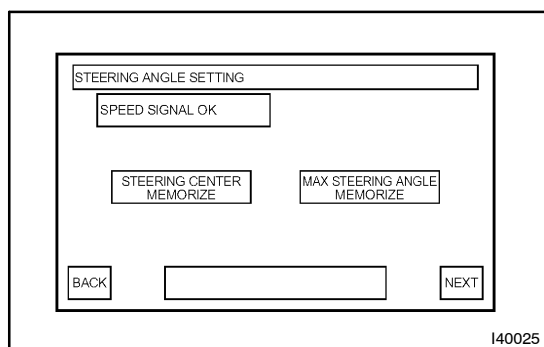
#### 4. STEERING ANGLE SETTING

##### (a) STEERING CENTER MEMORIZE

- (1) Check that the position of the steering wheel is straight, and then press "STEERING CENTER MEMORIZE".

##### HINT:

- When performing removal and installation, or replacement of the television camera assy, the adjustment of steering angle is not required. Select "NEXT" on the steering angle setting.
- Even when storing the steering angle neutral point only, the system cannot store it unless the operation is completed by following the prompts from "NEXT" to "OK".
- When the system displays "SPEED SIGNAL CHECKING", first touch "SPEED SIGNAL CHECKING", and then "MAX STEERING ANGLE MEMORIZE". The display does not switch to the next screen if this process is not completed.

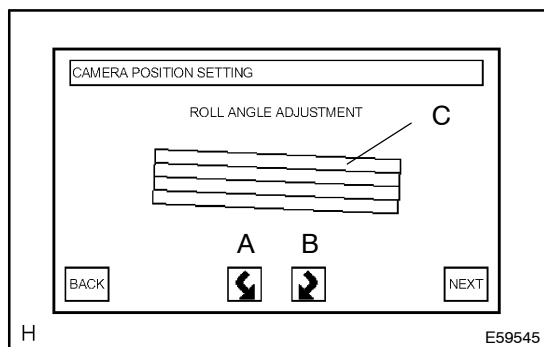


##### (b) MAX STEERING ANGLE MEMORIZE

- (1) After adjusting the steering angle neutral point, turn the steering wheel clockwise and counterclockwise until it stops, and press "MAX STEERING ANGLE MEMORIZE". The maximum steering angle is then stored.

##### HINT:

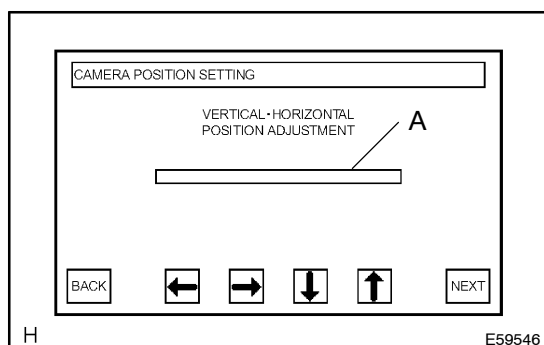
The key "NEXT" does not respond until the system stores the steering angle neutral point and maximum steering angle even if touched.



#### 5. CAMERA POSITION SETTING

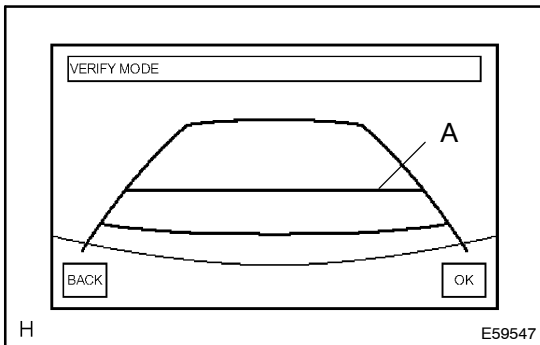
##### (a) ROLL ANGLE ADJUSTMENT

- (1) Press switches "A" and "B" to turn "C" in the illustration so that the target bar for adjustment becomes parallel.



##### (b) VERTICAL AND HORIZONTAL POSITION ADJUSTMENT

- (1) Operate arrow switches to shift bar "A" on the monitor screen so that it comes to the center of the target bar for adjustment.

**6. VERIFY MODE**

- (a) Check that "A" and the target bar for adjustment are almost lined up. If it is not lined up, perform the steering center memorize and max steering angle memorize procedures again.
- (b) Selecting "OK" will return to the Diagnosis MENU, and complete the adjustment.

**HINT:**

Until the "OK" key is pressed, the update has not been completed.